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Appendix B.25

LTE CA_43C (3700-3800)



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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
43-43	10MHz-20MHz	QPSK-QPSK	44645-44789	1RB#0-0RB#0	25.21	19.11	30	PASS
43-43	10MHz-20MHz	QPSK-QPSK	44645-44789	50RB#0-100RB#0	24.01	17.91	30	PASS
43-43	10MHz-20MHz	QPSK-QPSK	44996-45140	1RB#0-0RB#0	23.27	17.17	30	PASS
43-43	10MHz-20MHz	QPSK-QPSK	44996-45140	50RB#0-100RB#0	19.96	13.86	30	PASS
43-43	10MHz-20MHz	QPSK-QPSK	45346-45490	1RB#0-0RB#0	22.59	16.49	30	PASS
43-43	10MHz-20MHz	QPSK-QPSK	45346-45490	50RB#0-100RB#0	22.41	16.31	30	PASS
43-43	10MHz-20MHz	16QAM-16QAM	44645-44789	1RB#0-0RB#0	22.46	16.36	30	PASS
43-43	10MHz-20MHz	16QAM-16QAM	44645-44789	50RB#0-100RB#0	20.51	14.41	30	PASS
43-43	10MHz-20MHz	16QAM-16QAM	44996-45140	1RB#0-0RB#0	22.31	16.21	30	PASS
43-43	10MHz-20MHz	16QAM-16QAM	44996-45140	50RB#0-100RB#0	23.81	17.71	30	PASS
43-43	10MHz-20MHz	16QAM-16QAM	45346-45490	1RB#0-0RB#0	22.91	16.81	30	PASS
43-43	10MHz-20MHz	16QAM-16QAM	45346-45490	50RB#0-100RB#0	19.78	13.68	30	PASS
43-43	10MHz-20MHz	64QAM-64QAM	44645-44789	1RB#0-0RB#0	22.23	16.13	30	PASS
43-43	10MHz-20MHz	64QAM-64QAM	44645-44789	50RB#0-100RB#0	22.25	16.15	30	PASS
43-43	10MHz-20MHz	64QAM-64QAM	44996-45140	1RB#0-0RB#0	22.24	16.14	30	PASS
43-43	10MHz-20MHz	64QAM-64QAM	44996-45140	50RB#0-100RB#0	20.33	14.23	30	PASS
43-43	10MHz-20MHz	64QAM-64QAM	45346-45490	1RB#0-0RB#0	25.00	18.90	30	PASS
43-43	10MHz-20MHz	64QAM-64QAM	45346-45490	50RB#0-100RB#0	23.88	17.78	30	PASS
43-43	10MHz-20MHz	256QAM-256QAM	44645-44789	1RB#0-0RB#0	23.19	17.09	30	PASS
43-43	10MHz-20MHz	256QAM-256QAM	44645-44789	50RB#0-100RB#0	20.09	13.99	30	PASS
43-43	10MHz-20MHz	256QAM-256QAM	44996-45140	1RB#0-0RB#0	22.30	16.20	30	PASS
43-43	10MHz-20MHz	256QAM-256QAM	44996-45140	50RB#0-100RB#0	22.38	16.28	30	PASS
43-43	10MHz-20MHz	256QAM-256QAM	45346-45490	1RB#0-0RB#0	22.41	16.31	30	PASS
43-43	10MHz-20MHz	256QAM-256QAM	45346-45490	50RB#0-100RB#0	20.46	14.36	30	PASS
43-43	15MHz-20MHz	QPSK-QPSK	44668-44839	1RB#0-0RB#0	25.18	19.08	30	PASS
43-43	15MHz-20MHz	QPSK-QPSK	44668-44839	75RB#0-100RB#0	23.90	17.80	30	PASS
43-43	15MHz-20MHz	QPSK-QPSK	44993-45164	1RB#0-0RB#0	23.11	17.01	30	PASS
43-43	15MHz-20MHz	QPSK-QPSK	44993-45164	75RB#0-100RB#0	20.16	14.06	30	PASS



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43-43	15MHz-20MHz	QPSK-QPSK	45319-45490	1RB#0-0RB#0	23.90	17.80	30	PASS
43-43	15MHz-20MHz	QPSK-QPSK	45319-45490	75RB#0-100RB#0	22.86	16.76	30	PASS
43-43	15MHz-20MHz	16QAM-16QAM	44668-44839	1RB#0-0RB#0	22.82	16.72	30	PASS
43-43	15MHz-20MHz	16QAM-16QAM	44668-44839	75RB#0-100RB#0	20.97	14.87	30	PASS
43-43	15MHz-20MHz	16QAM-16QAM	44993-45164	1RB#0-0RB#0	24.72	18.62	30	PASS
43-43	15MHz-20MHz	16QAM-16QAM	44993-45164	75RB#0-100RB#0	23.80	17.70	30	PASS
43-43	15MHz-20MHz	16QAM-16QAM	45319-45490	1RB#0-0RB#0	22.77	16.67	30	PASS
43-43	15MHz-20MHz	16QAM-16QAM	45319-45490	75RB#0-100RB#0	19.84	13.74	30	PASS
43-43	15MHz-20MHz	64QAM-64QAM	44668-44839	1RB#0-0RB#0	23.85	17.75	30	PASS
43-43	15MHz-20MHz	64QAM-64QAM	44668-44839	75RB#0-100RB#0	22.75	16.65	30	PASS
43-43	15MHz-20MHz	64QAM-64QAM	44993-45164	1RB#0-0RB#0	23.02	16.92	30	PASS
43-43	15MHz-20MHz	64QAM-64QAM	44993-45164	75RB#0-100RB#0	20.80	14.70	30	PASS
43-43	15MHz-20MHz	64QAM-64QAM	45319-45490	1RB#0-0RB#0	25.09	18.99	30	PASS
43-43	15MHz-20MHz	64QAM-64QAM	45319-45490	75RB#0-100RB#0	23.94	17.84	30	PASS
43-43	15MHz-20MHz	256QAM-256QAM	44668-44839	1RB#0-0RB#0	23.06	16.96	30	PASS
43-43	15MHz-20MHz	256QAM-256QAM	44668-44839	75RB#0-100RB#0	19.92	13.82	30	PASS
43-43	15MHz-20MHz	256QAM-256QAM	44993-45164	1RB#0-0RB#0	23.88	17.78	30	PASS
43-43	15MHz-20MHz	256QAM-256QAM	44993-45164	75RB#0-100RB#0	22.82	16.72	30	PASS
43-43	15MHz-20MHz	256QAM-256QAM	45319-45490	1RB#0-0RB#0	22.97	16.87	30	PASS
43-43	15MHz-20MHz	256QAM-256QAM	45319-45490	75RB#0-100RB#0	20.89	14.79	30	PASS
43-43	20MHz-10MHz	QPSK-QPSK	44690-44834	100RB#0-50RB#0	22.32	16.22	30	PASS
43-43	20MHz-10MHz	QPSK-QPSK	44690-44834	1RB#0-0RB#0	24.03	17.93	30	PASS
43-43	20MHz-10MHz	QPSK-QPSK	45041-45185	100RB#0-50RB#0	23.27	17.17	30	PASS
43-43	20MHz-10MHz	QPSK-QPSK	45041-45185	1RB#0-0RB#0	20.10	14.00	30	PASS
43-43	20MHz-10MHz	QPSK-QPSK	45391-45535	100RB#0-50RB#0	23.81	17.71	30	PASS
43-43	20MHz-10MHz	QPSK-QPSK	45391-45535	1RB#0-0RB#0	22.97	16.87	30	PASS
43-43	20MHz-10MHz	16QAM-16QAM	44690-44834	100RB#0-50RB#0	23.06	16.96	30	PASS
43-43	20MHz-10MHz	16QAM-16QAM	44690-44834	1RB#0-0RB#0	20.91	14.81	30	PASS
43-43	20MHz-10MHz	16QAM-16QAM	45041-45185	100RB#0-50RB#0	22.43	16.33	30	PASS
43-43	20MHz-10MHz	16QAM-16QAM	45041-45185	1RB#0-0RB#0	23.98	17.88	30	PASS
43-43	20MHz-10MHz	16QAM-16QAM	45391-45535	100RB#0-50RB#0	22.82	16.72	30	PASS
43-43	20MHz-10MHz	16QAM-16QAM	45391-45535	1RB#0-0RB#0	20.01	13.91	30	PASS
43-43	20MHz-10MHz	64QAM-64QAM	44690-44834	100RB#0-50RB#0	23.82	17.72	30	PASS



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43-43	20MHz-10MHz	64QAM-64QAM	44690-44834	1RB#0-0RB#0	22.80	16.70	30	PASS
43-43	20MHz-10MHz	64QAM-64QAM	45041-45185	100RB#0-50RB#0	22.89	16.79	30	PASS
43-43	20MHz-10MHz	64QAM-64QAM	45041-45185	1RB#0-0RB#0	20.86	14.76	30	PASS
43-43	20MHz-10MHz	64QAM-64QAM	45391-45535	100RB#0-50RB#0	24.94	18.84	30	PASS
43-43	20MHz-10MHz	64QAM-64QAM	45391-45535	1RB#0-0RB#0	24.10	18.00	30	PASS
43-43	20MHz-10MHz	256QAM-256QAM	44690-44834	100RB#0-50RB#0	23.22	17.12	30	PASS
43-43	20MHz-10MHz	256QAM-256QAM	44690-44834	1RB#0-0RB#0	20.06	13.96	30	PASS
43-43	20MHz-10MHz	256QAM-256QAM	45041-45185	100RB#0-50RB#0	23.93	17.83	30	PASS
43-43	20MHz-10MHz	256QAM-256QAM	45041-45185	1RB#0-0RB#0	22.91	16.81	30	PASS
43-43	20MHz-10MHz	256QAM-256QAM	45391-45535	100RB#0-50RB#0	22.93	16.83	30	PASS
43-43	20MHz-10MHz	256QAM-256QAM	45391-45535	1RB#0-0RB#0	20.93	14.83	30	PASS
43-43	20MHz-15MHz	QPSK-QPSK	44690-44861	100RB#0-75RB#0	25.02	18.92	30	PASS
43-43	20MHz-15MHz	QPSK-QPSK	44690-44861	1RB#0-0RB#0	24.05	17.95	30	PASS
43-43	20MHz-15MHz	QPSK-QPSK	45016-45187	100RB#0-75RB#0	23.24	17.14	30	PASS
43-43	20MHz-15MHz	QPSK-QPSK	45016-45187	1RB#0-0RB#0	20.05	13.95	30	PASS
43-43	20MHz-15MHz	QPSK-QPSK	45341-45512	100RB#0-75RB#0	23.99	17.89	30	PASS
43-43	20MHz-15MHz	QPSK-QPSK	45341-45512	1RB#0-0RB#0	22.92	16.82	30	PASS
43-43	20MHz-15MHz	16QAM-16QAM	44690-44861	100RB#0-75RB#0	22.95	16.85	30	PASS
43-43	20MHz-15MHz	16QAM-16QAM	44690-44861	1RB#0-0RB#0	21.03	14.93	30	PASS
43-43	20MHz-15MHz	16QAM-16QAM	45016-45187	100RB#0-75RB#0	24.72	18.62	30	PASS
43-43	20MHz-15MHz	16QAM-16QAM	45016-45187	1RB#0-0RB#0	23.72	17.62	30	PASS
43-43	20MHz-15MHz	16QAM-16QAM	45341-45512	100RB#0-75RB#0	22.84	16.74	30	PASS
43-43	20MHz-15MHz	16QAM-16QAM	45341-45512	1RB#0-0RB#0	19.76	13.66	30	PASS
43-43	20MHz-15MHz	64QAM-64QAM	44690-44861	100RB#0-75RB#0	23.89	17.79	30	PASS
43-43	20MHz-15MHz	64QAM-64QAM	44690-44861	1RB#0-0RB#0	22.93	16.83	30	PASS
43-43	20MHz-15MHz	64QAM-64QAM	45016-45187	100RB#0-75RB#0	22.86	16.76	30	PASS
43-43	20MHz-15MHz	64QAM-64QAM	45016-45187	1RB#0-0RB#0	20.89	14.79	30	PASS
43-43	20MHz-15MHz	64QAM-64QAM	45341-45512	100RB#0-75RB#0	24.90	18.80	30	PASS
43-43	20MHz-15MHz	64QAM-64QAM	45341-45512	1RB#0-0RB#0	23.95	17.85	30	PASS
43-43	20MHz-15MHz	256QAM-256QAM	44690-44861	100RB#0-75RB#0	23.00	16.90	30	PASS
43-43	20MHz-15MHz	256QAM-256QAM	44690-44861	1RB#0-0RB#0	20.09	13.99	30	PASS
43-43	20MHz-15MHz	256QAM-256QAM	45016-45187	100RB#0-75RB#0	23.97	17.87	30	PASS
43-43	20MHz-15MHz	256QAM-256QAM	45016-45187	1RB#0-0RB#0	22.88	16.78	30	PASS



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43-43	20MHz-15MHz	256QAM-256QAM	45341-45512	100RB#0-75RB#0	22.80	16.70	30	PASS
43-43	20MHz-15MHz	256QAM-256QAM	45341-45512	1RB#0-0RB#0	20.81	14.71	30	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44690-44888	100RB#0-100RB#0	24.93	18.83	30	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44690-44888	1RB#0-0RB#0	24.08	17.98	30	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44991-45189	100RB#0-100RB#0	23.23	17.13	30	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44991-45189	1RB#0-0RB#0	20.09	13.99	30	PASS
43-43	20MHz-20MHz	QPSK-QPSK	45292-45490	100RB#0-100RB#0	23.97	17.87	30	PASS
43-43	20MHz-20MHz	QPSK-QPSK	45292-45490	1RB#0-0RB#0	22.82	16.72	30	PASS
43-43	20MHz-20MHz	16QAM-16QAM	44690-44888	100RB#0-100RB#0	22.94	16.84	30	PASS
43-43	20MHz-20MHz	16QAM-16QAM	44690-44888	1RB#0-0RB#0	21.02	14.92	30	PASS
43-43	20MHz-20MHz	16QAM-16QAM	44991-45189	100RB#0-100RB#0	22.21	16.11	30	PASS
43-43	20MHz-20MHz	16QAM-16QAM	44991-45189	1RB#0-0RB#0	23.75	17.65	30	PASS
43-43	20MHz-20MHz	16QAM-16QAM	45292-45490	100RB#0-100RB#0	22.90	16.80	30	PASS
43-43	20MHz-20MHz	16QAM-16QAM	45292-45490	1RB#0-0RB#0	19.79	13.69	30	PASS
43-43	20MHz-20MHz	64QAM-64QAM	44690-44888	100RB#0-100RB#0	23.89	17.79	30	PASS
43-43	20MHz-20MHz	64QAM-64QAM	44690-44888	1RB#0-0RB#0	22.76	16.66	30	PASS
43-43	20MHz-20MHz	64QAM-64QAM	44991-45189	100RB#0-100RB#0	22.88	16.78	30	PASS
43-43	20MHz-20MHz	64QAM-64QAM	44991-45189	1RB#0-0RB#0	21.00	14.90	30	PASS
43-43	20MHz-20MHz	64QAM-64QAM	45292-45490	100RB#0-100RB#0	24.97	18.87	30	PASS
43-43	20MHz-20MHz	64QAM-64QAM	45292-45490	1RB#0-0RB#0	23.90	17.80	30	PASS
43-43	20MHz-20MHz	256QAM-256QAM	44690-44888	100RB#0-100RB#0	23.03	16.93	30	PASS
43-43	20MHz-20MHz	256QAM-256QAM	44690-44888	1RB#0-0RB#0	19.95	13.85	30	PASS
43-43	20MHz-20MHz	256QAM-256QAM	44991-45189	100RB#0-100RB#0	23.89	17.79	30	PASS
43-43	20MHz-20MHz	256QAM-256QAM	44991-45189	1RB#0-0RB#0	22.92	16.82	30	PASS
43-43	20MHz-20MHz	256QAM-256QAM	45292-45490	100RB#0-100RB#0	22.92	16.82	30	PASS
43-43	20MHz-20MHz	256QAM-256QAM	45292-45490	1RB#0-0RB#0	20.96	14.86	30	PASS
43-43	20MHz-5MHz	QPSK-QPSK	44690-44807	100RB#0-25RB#0	25.05	18.95	30	PASS
43-43	20MHz-5MHz	QPSK-QPSK	44690-44807	1RB#0-0RB#0	24.01	17.91	30	PASS
43-43	20MHz-5MHz	QPSK-QPSK	45065-45182	100RB#0-25RB#0	23.07	16.97	30	PASS
43-43	20MHz-5MHz	QPSK-QPSK	45065-45182	1RB#0-0RB#0	20.11	14.01	30	PASS
43-43	20MHz-5MHz	QPSK-QPSK	45440-45557	100RB#0-25RB#0	23.96	17.86	30	PASS
43-43	20MHz-5MHz	QPSK-QPSK	45440-45557	1RB#0-0RB#0	22.80	16.70	30	PASS
43-43	20MHz-5MHz	16QAM-16QAM	44690-44807	100RB#0-25RB#0	23.00	16.90	30	PASS



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43-43	20MHz-5MHz	16QAM-16QAM	44690-44807	1RB#0-0RB#0	20.99	14.89	30	PASS
43-43	20MHz-5MHz	16QAM-16QAM	45065-45182	100RB#0-25RB#0	24.65	18.55	30	PASS
43-43	20MHz-5MHz	16QAM-16QAM	45065-45182	1RB#0-0RB#0	23.85	17.75	30	PASS
43-43	20MHz-5MHz	16QAM-16QAM	45440-45557	100RB#0-25RB#0	22.72	16.62	30	PASS
43-43	20MHz-5MHz	16QAM-16QAM	45440-45557	1RB#0-0RB#0	19.80	13.70	30	PASS
43-43	20MHz-5MHz	64QAM-64QAM	44690-44807	100RB#0-25RB#0	23.95	17.85	30	PASS
43-43	20MHz-5MHz	64QAM-64QAM	44690-44807	1RB#0-0RB#0	22.80	16.70	30	PASS
43-43	20MHz-5MHz	64QAM-64QAM	45065-45182	100RB#0-25RB#0	22.92	16.82	30	PASS
43-43	20MHz-5MHz	64QAM-64QAM	45065-45182	1RB#0-0RB#0	20.88	14.78	30	PASS
43-43	20MHz-5MHz	64QAM-64QAM	45440-45557	100RB#0-25RB#0	24.87	18.77	30	PASS
43-43	20MHz-5MHz	64QAM-64QAM	45440-45557	1RB#0-0RB#0	23.97	17.87	30	PASS
43-43	20MHz-5MHz	256QAM-256QAM	44690-44807	100RB#0-25RB#0	23.20	17.10	30	PASS
43-43	20MHz-5MHz	256QAM-256QAM	44690-44807	1RB#0-0RB#0	20.04	13.94	30	PASS
43-43	20MHz-5MHz	256QAM-256QAM	45065-45182	100RB#0-25RB#0	23.87	17.77	30	PASS
43-43	20MHz-5MHz	256QAM-256QAM	45065-45182	1RB#0-0RB#0	22.80	16.70	30	PASS
43-43	20MHz-5MHz	256QAM-256QAM	45440-45557	100RB#0-25RB#0	22.83	16.73	30	PASS
43-43	20MHz-5MHz	256QAM-256QAM	45440-45557	1RB#0-0RB#0	20.93	14.83	30	PASS
43-43	5MHz-20MHz	QPSK-QPSK	44623-44740	1RB#0-0RB#0	24.94	18.84	30	PASS
43-43	5MHz-20MHz	QPSK-QPSK	44623-44740	50RB#0-100RB#0	23.98	17.88	30	PASS
43-43	5MHz-20MHz	QPSK-QPSK	44998-45115	1RB#0-0RB#0	23.28	17.18	30	PASS
43-43	5MHz-20MHz	QPSK-QPSK	44998-45115	50RB#0-100RB#0	19.98	13.88	30	PASS
43-43	5MHz-20MHz	QPSK-QPSK	45373-45490	1RB#0-0RB#0	23.79	17.69	30	PASS
43-43	5MHz-20MHz	QPSK-QPSK	45373-45490	50RB#0-100RB#0	22.85	16.75	30	PASS
43-43	5MHz-20MHz	16QAM-16QAM	44623-44740	1RB#0-0RB#0	22.78	16.68	30	PASS
43-43	5MHz-20MHz	16QAM-16QAM	44623-44740	50RB#0-100RB#0	20.98	14.88	30	PASS
43-43	5MHz-20MHz	16QAM-16QAM	44998-45115	1RB#0-0RB#0	24.69	18.59	30	PASS
43-43	5MHz-20MHz	16QAM-16QAM	44998-45115	50RB#0-100RB#0	23.80	17.70	30	PASS
43-43	5MHz-20MHz	16QAM-16QAM	45373-45490	1RB#0-0RB#0	22.74	16.64	30	PASS
43-43	5MHz-20MHz	16QAM-16QAM	45373-45490	50RB#0-100RB#0	19.69	13.59	30	PASS
43-43	5MHz-20MHz	64QAM-64QAM	44623-44740	1RB#0-0RB#0	23.81	17.71	30	PASS
43-43	5MHz-20MHz	64QAM-64QAM	44623-44740	50RB#0-100RB#0	22.93	16.83	30	PASS
43-43	5MHz-20MHz	64QAM-64QAM	44998-45115	1RB#0-0RB#0	22.90	16.80	30	PASS
43-43	5MHz-20MHz	64QAM-64QAM	44998-45115	50RB#0-100RB#0	20.85	14.75	30	PASS



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43-43	5MHz-20MHz	64QAM-64QAM	45373-45490	1RB#0-0RB#0	24.90	18.80	30	PASS
43-43	5MHz-20MHz	64QAM-64QAM	45373-45490	50RB#0-100RB#0	23.83	17.73	30	PASS
43-43	5MHz-20MHz	256QAM-256QAM	44623-44740	1RB#0-0RB#0	23.03	16.93	30	PASS
43-43	5MHz-20MHz	256QAM-256QAM	44623-44740	50RB#0-100RB#0	20.05	13.95	30	PASS
43-43	5MHz-20MHz	256QAM-256QAM	44998-45115	1RB#0-0RB#0	23.94	17.84	30	PASS
43-43	5MHz-20MHz	256QAM-256QAM	44998-45115	50RB#0-100RB#0	22.94	16.84	30	PASS
43-43	5MHz-20MHz	256QAM-256QAM	45373-45490	1RB#0-0RB#0	22.96	16.86	30	PASS
43-43	5MHz-20MHz	256QAM-256QAM	45373-45490	50RB#0-100RB#0	20.91	14.81	30	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	11.10	13	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44690-44888	100RB#0-100RB#0	11.06	13	PASS
43-43	20MHz-20MHz	QPSK-QPSK	45292-45490	100RB#0-100RB#0	11.04	13	PASS
43-43	20MHz-20MHz	16QAM-16QAM	44491-44689	100RB#0-100RB#0	11.30	13	PASS
43-43	20MHz-20MHz	16QAM-16QAM	44690-44888	100RB#0-100RB#0	11.26	13	PASS
43-43	20MHz-20MHz	16QAM-16QAM	45292-45490	100RB#0-100RB#0	11.30	13	PASS
43-43	20MHz-20MHz	64QAM-64QAM	44491-44689	100RB#0-100RB#0	11.34	13	PASS
43-43	20MHz-20MHz	64QAM-64QAM	44690-44888	100RB#0-100RB#0	11.32	13	PASS
43-43	20MHz-20MHz	64QAM-64QAM	45292-45490	100RB#0-100RB#0	11.24	13	PASS
43-43	20MHz-20MHz	256QAM-256QAM	44491-44689	100RB#0-100RB#0	11.36	13	PASS
43-43	20MHz-20MHz	256QAM-256QAM	44690-44888	100RB#0-100RB#0	11.38	13	PASS
43-43	20MHz-20MHz	256QAM-256QAM	45292-45490	100RB#0-100RB#0	11.34	13	PASS



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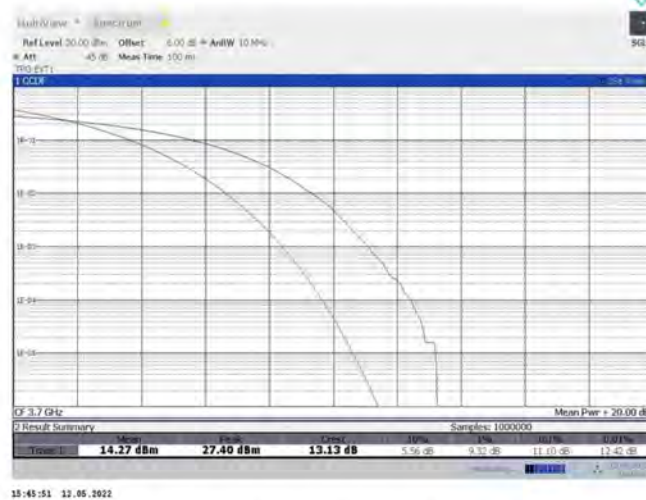
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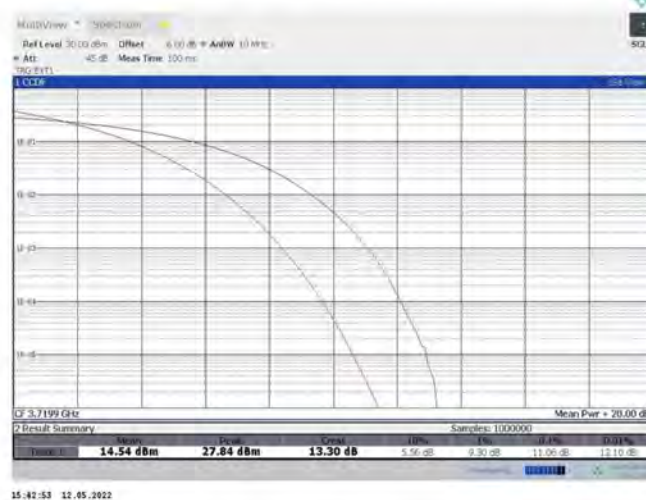
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Test Graphs

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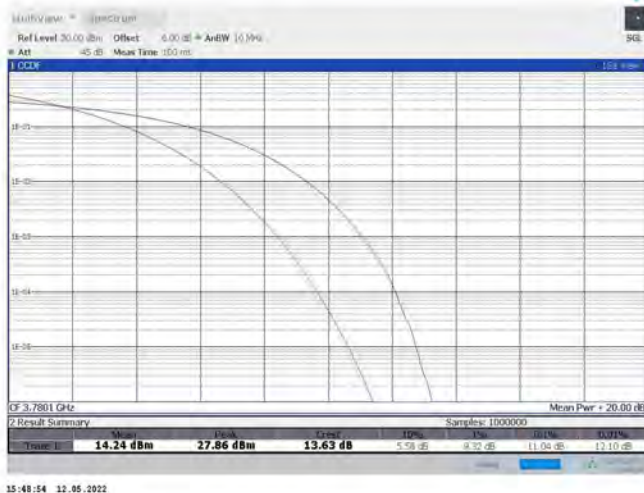
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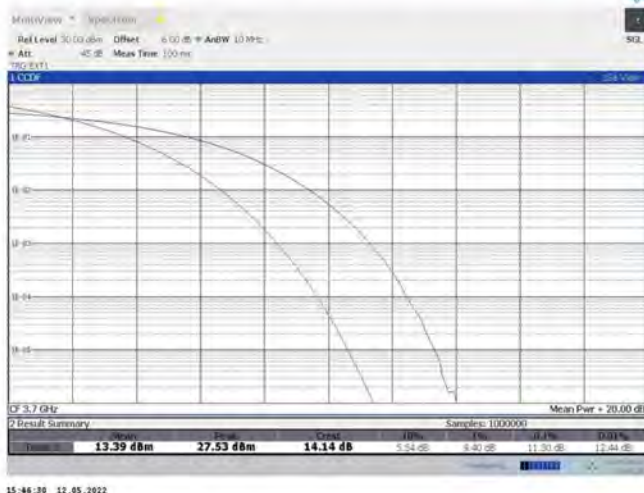
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43-43-20MHz-20MHz-16QAM-16QAM-44491-44689-100RB#0-100RB#0



15:46:39 12.05.2022



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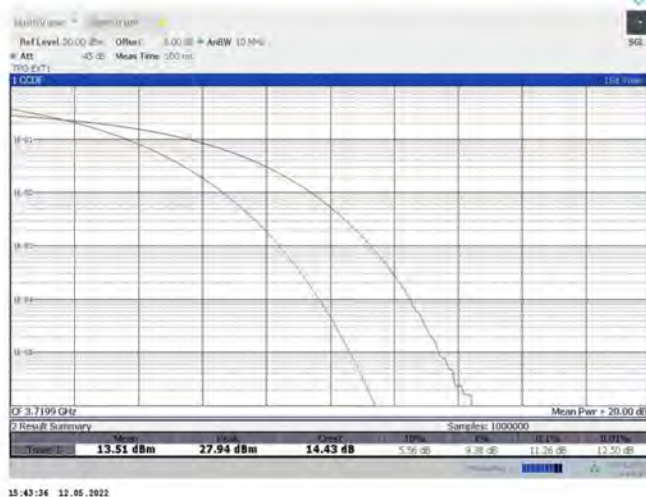
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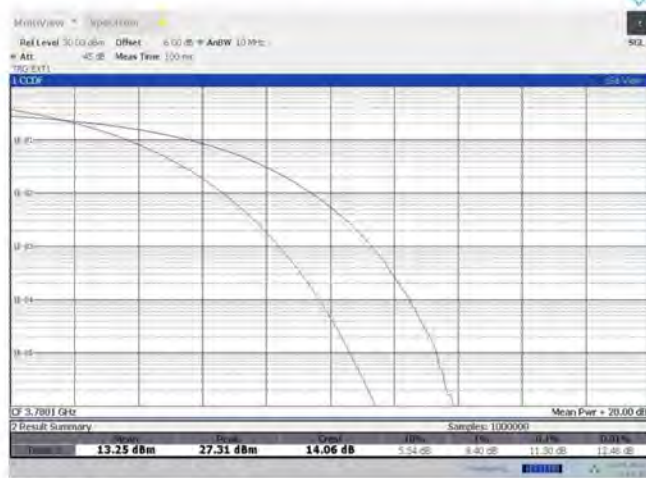
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43-43-20MHz-20MHz-16QAM-16QAM-44690-44888-100RB#0-100RB#0



15:43:36 12.05.2022

43-43-20MHz-20MHz-16QAM-16QAM-45292-45490-100RB#0-100RB#0



15:49:36 12.05.2022



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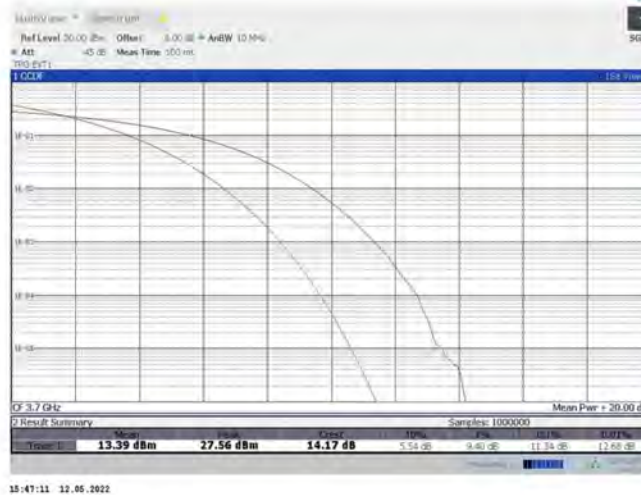
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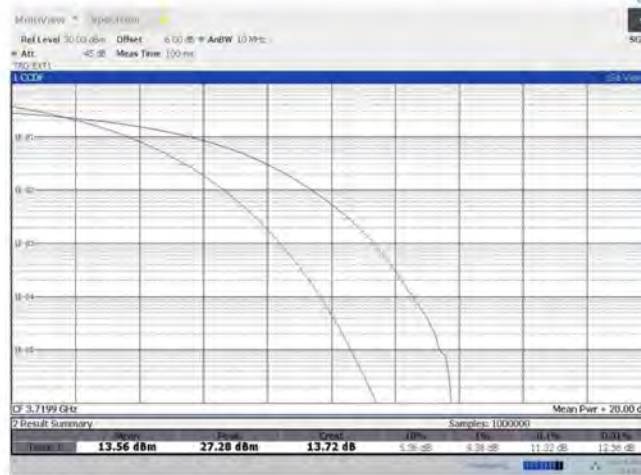
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43-43-20MHz-20MHz-64QAM-64QAM-44491-44689-100RB#0-100RB#0



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43-43-20MHz-20MHz-64QAM-64QAM-44690-44888-100RB#0-100RB#0



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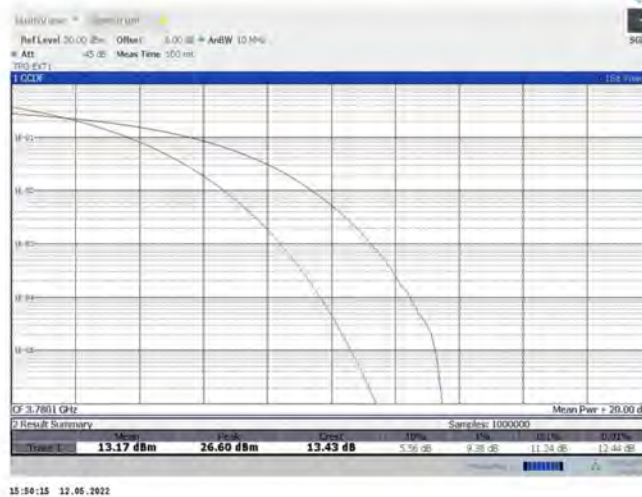
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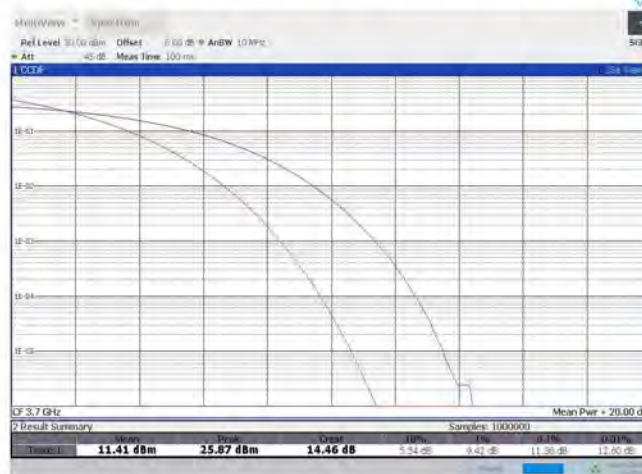
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43-43-20MHz-20MHz-256QAM-256QAM-44491-44689-100RB#0-100RB#0



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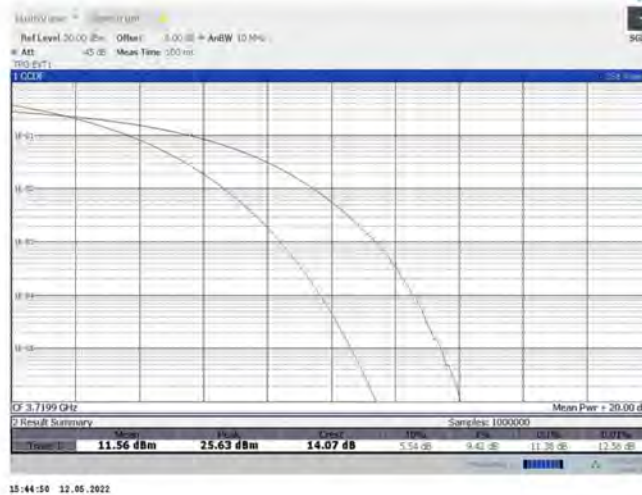
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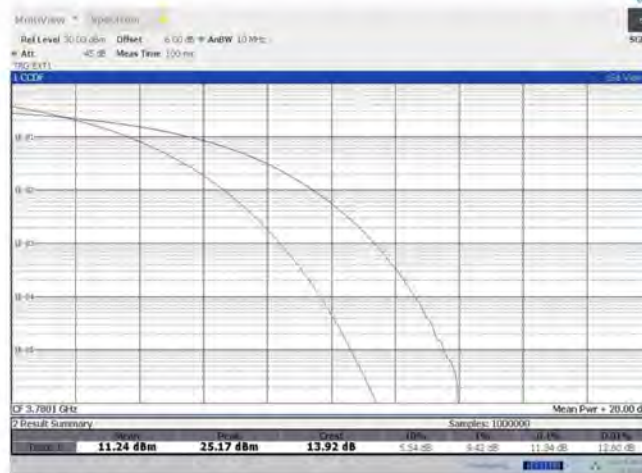
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43-43-20MHz-20MHz-256QAM-256QAM-44690-44888-100RB#0-100RB#0



15:44:50 12.05.2022

43-43-20MHz-20MHz-256QAM-256QAM-45292-45490-100RB#0-100RB#0



15:50:52 12.05.2022



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Verdict
43-43	20MHz-20MHz	QPSK-QPSK	44690-44888	100RB#0-100RB#0	PASS	PASS
43-43	20MHz-20MHz	16QAM-16QAM	44690-44888	100RB#0-100RB#0	PASS	PASS
43-43	20MHz-20MHz	64QAM-64QAM	44690-44888	100RB#0-100RB#0	PASS	PASS
43-43	20MHz-20MHz	256QAM-256QAM	44690-44888	100RB#0-100RB#0	PASS	PASS



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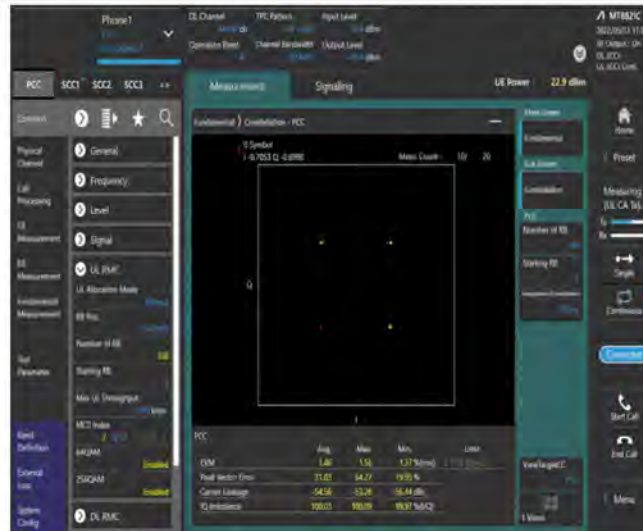
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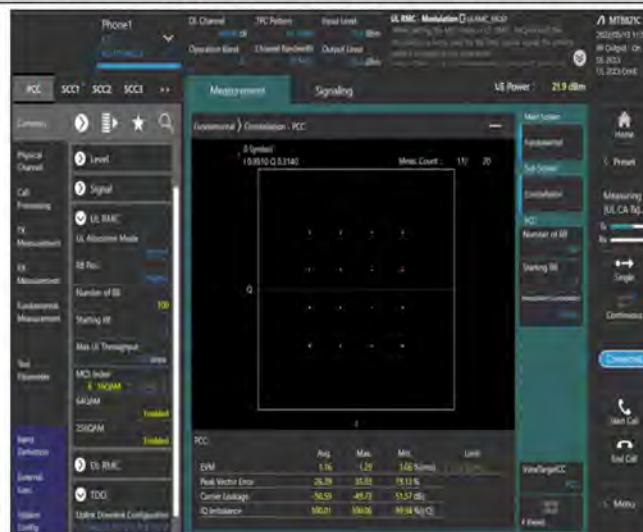
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Test Graphs

43-43-20MHz-20MHz-QPSK-QPSK-44690-44888-100RB#0-100RB#0



43-43-20MHz-20MHz-16QAM-16QAM-44690-44888-100RB#0-100RB#0



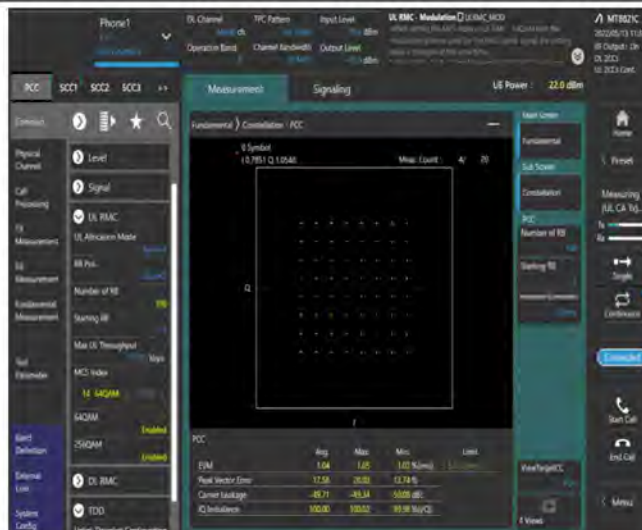
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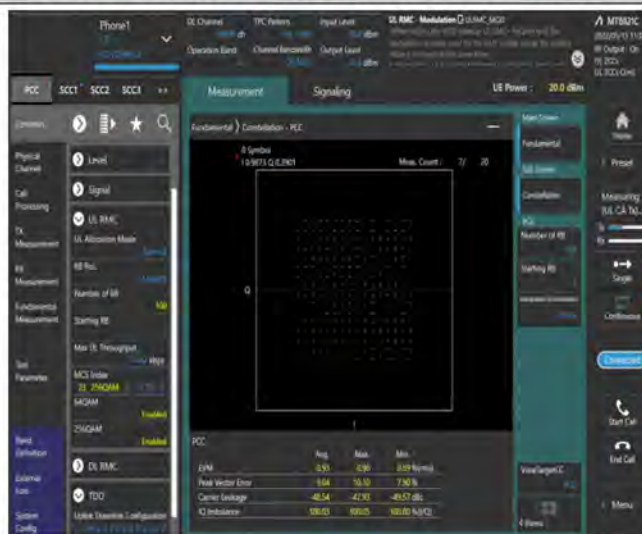
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43-43-20MHz-20MHz-64QAM-64QAM-44690-44888-100RB#0-100RB#0



43-43-20MHz-20MHz-256QAM-256QAM-44690-44888-100RB#0-100RB#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
43-43	10MHz-20MHz	QPSK-QPSK	44645-44789	50RB#0-100RB#0	27.900	30.13	PASS
43-43	10MHz-20MHz	QPSK-QPSK	44996-45140	50RB#0-100RB#0	27.616	33.47	PASS
43-43	10MHz-20MHz	QPSK-QPSK	45346-45490	50RB#0-100RB#0	27.694	32.40	PASS
43-43	10MHz-20MHz	16QAM-16QAM	44645-44789	50RB#0-100RB#0	27.876	31.87	PASS
43-43	10MHz-20MHz	16QAM-16QAM	44996-45140	50RB#0-100RB#0	27.807	32.27	PASS
43-43	10MHz-20MHz	16QAM-16QAM	45346-45490	50RB#0-100RB#0	27.852	33.60	PASS
43-43	10MHz-20MHz	64QAM-64QAM	44645-44789	50RB#0-100RB#0	27.842	32.53	PASS
43-43	10MHz-20MHz	64QAM-64QAM	44996-45140	50RB#0-100RB#0	27.852	32.27	PASS
43-43	10MHz-20MHz	64QAM-64QAM	45346-45490	50RB#0-100RB#0	27.967	33.47	PASS
43-43	10MHz-20MHz	256QAM-256QAM	44645-44789	50RB#0-100RB#0	27.873	32.13	PASS
43-43	10MHz-20MHz	256QAM-256QAM	44996-45140	50RB#0-100RB#0	27.899	32.93	PASS
43-43	10MHz-20MHz	256QAM-256QAM	45346-45490	50RB#0-100RB#0	27.918	32.67	PASS
43-43	15MHz-20MHz	QPSK-QPSK	44668-44839	75RB#0-100RB#0	32.527	35.07	PASS
43-43	15MHz-20MHz	QPSK-QPSK	44993-45164	75RB#0-100RB#0	32.526	35.20	PASS
43-43	15MHz-20MHz	QPSK-QPSK	45319-45490	75RB#0-100RB#0	32.723	34.93	PASS
43-43	15MHz-20MHz	16QAM-16QAM	44668-44839	75RB#0-100RB#0	32.675	38.53	PASS
43-43	15MHz-20MHz	16QAM-16QAM	44993-45164	75RB#0-100RB#0	32.661	37.60	PASS
43-43	15MHz-20MHz	16QAM-16QAM	45319-45490	75RB#0-100RB#0	32.688	38.27	PASS
43-43	15MHz-20MHz	64QAM-64QAM	44668-44839	75RB#0-100RB#0	32.592	38.40	PASS
43-43	15MHz-20MHz	64QAM-64QAM	44993-45164	75RB#0-100RB#0	32.636	38.00	PASS
43-43	15MHz-20MHz	64QAM-64QAM	45319-45490	75RB#0-100RB#0	32.594	38.40	PASS
43-43	15MHz-20MHz	256QAM-256QAM	44668-44839	75RB#0-100RB#0	32.672	37.47	PASS
43-43	15MHz-20MHz	256QAM-256QAM	44993-45164	75RB#0-100RB#0	32.588	37.33	PASS
43-43	15MHz-20MHz	256QAM-256QAM	45319-45490	75RB#0-100RB#0	32.705	38.13	PASS
43-43	20MHz-10MHz	QPSK-QPSK	44690-44834	100RB#0-50RB#0	27.800	30.27	PASS
43-43	20MHz-10MHz	QPSK-QPSK	45041-45185	100RB#0-50RB#0	27.884	30.13	PASS
43-43	20MHz-10MHz	QPSK-QPSK	45391-45535	100RB#0-50RB#0	27.947	30.27	PASS
43-43	20MHz-10MHz	16QAM-16QAM	44690-44834	100RB#0-50RB#0	27.906	33.60	PASS
43-43	20MHz-10MHz	16QAM-16QAM	45041-45185	100RB#0-50RB#0	27.961	33.47	PASS
43-43	20MHz-10MHz	16QAM-16QAM	45391-45535	100RB#0-50RB#0	27.973	33.47	PASS
43-43	20MHz-10MHz	64QAM-64QAM	44690-44834	100RB#0-50RB#0	27.937	33.47	PASS



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43-43	20MHz-10MHz	64QAM-64QAM	45041-45185	100RB#0-50RB#0	27.972	32.80	PASS
43-43	20MHz-10MHz	64QAM-64QAM	45391-45535	100RB#0-50RB#0	27.946	34.53	PASS
43-43	20MHz-10MHz	256QAM-256QAM	44690-44834	100RB#0-50RB#0	27.972	32.93	PASS
43-43	20MHz-10MHz	256QAM-256QAM	45041-45185	100RB#0-50RB#0	27.967	32.93	PASS
43-43	20MHz-10MHz	256QAM-256QAM	45391-45535	100RB#0-50RB#0	28.008	34.27	PASS
43-43	20MHz-15MHz	QPSK-QPSK	44690-44861	100RB#0-75RB#0	32.613	35.07	PASS
43-43	20MHz-15MHz	QPSK-QPSK	45016-45187	100RB#0-75RB#0	32.879	34.80	PASS
43-43	20MHz-15MHz	QPSK-QPSK	45341-45512	100RB#0-75RB#0	32.507	38.40	PASS
43-43	20MHz-15MHz	16QAM-16QAM	44690-44861	100RB#0-75RB#0	32.720	37.87	PASS
43-43	20MHz-15MHz	16QAM-16QAM	45016-45187	100RB#0-75RB#0	32.786	36.80	PASS
43-43	20MHz-15MHz	16QAM-16QAM	45341-45512	100RB#0-75RB#0	32.727	36.80	PASS
43-43	20MHz-15MHz	64QAM-64QAM	44690-44861	100RB#0-75RB#0	32.718	37.60	PASS
43-43	20MHz-15MHz	64QAM-64QAM	45016-45187	100RB#0-75RB#0	32.735	37.20	PASS
43-43	20MHz-15MHz	64QAM-64QAM	45341-45512	100RB#0-75RB#0	32.799	37.87	PASS
43-43	20MHz-15MHz	256QAM-256QAM	44690-44861	100RB#0-75RB#0	32.734	36.93	PASS
43-43	20MHz-15MHz	256QAM-256QAM	45016-45187	100RB#0-75RB#0	32.657	41.07	PASS
43-43	20MHz-15MHz	256QAM-256QAM	45341-45512	100RB#0-75RB#0	32.803	37.33	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44991-45189	100RB#0-100RB#0	37.278	39.87	PASS
43-43	20MHz-20MHz	QPSK-QPSK	45292-45490	100RB#0-100RB#0	37.587	40.00	PASS
43-43	20MHz-20MHz	16QAM-16QAM	44991-45189	100RB#0-100RB#0	37.486	42.53	PASS
43-43	20MHz-20MHz	16QAM-16QAM	45292-45490	100RB#0-100RB#0	37.539	42.40	PASS
43-43	20MHz-20MHz	64QAM-64QAM	44991-45189	100RB#0-100RB#0	37.548	40.93	PASS
43-43	20MHz-20MHz	64QAM-64QAM	45292-45490	100RB#0-100RB#0	37.526	42.80	PASS
43-43	20MHz-20MHz	256QAM-256QAM	44991-45189	100RB#0-100RB#0	37.496	43.87	PASS
43-43	20MHz-20MHz	256QAM-256QAM	45292-45490	100RB#0-100RB#0	37.605	43.87	PASS
43-43	20MHz-5MHz	QPSK-QPSK	44690-44807	100RB#0-25RB#0	22.764	24.25	PASS
43-43	20MHz-5MHz	QPSK-QPSK	45065-45182	100RB#0-25RB#0	22.828	24.25	PASS
43-43	20MHz-5MHz	QPSK-QPSK	45440-45557	100RB#0-25RB#0	22.860	24.83	PASS
43-43	20MHz-5MHz	16QAM-16QAM	44690-44807	100RB#0-25RB#0	22.897	26.33	PASS
43-43	20MHz-5MHz	16QAM-16QAM	45065-45182	100RB#0-25RB#0	22.899	26.08	PASS
43-43	20MHz-5MHz	16QAM-16QAM	45440-45557	100RB#0-25RB#0	22.895	26.33	PASS
43-43	20MHz-5MHz	64QAM-64QAM	44690-44807	100RB#0-25RB#0	22.847	25.92	PASS
43-43	20MHz-5MHz	64QAM-64QAM	45065-45182	100RB#0-25RB#0	22.875	27.42	PASS
43-43	20MHz-5MHz	64QAM-64QAM	45440-45557	100RB#0-25RB#0	22.896	26.25	PASS
43-43	20MHz-5MHz	256QAM-256QAM	44690-44807	100RB#0-25RB#0	22.905	25.58	PASS
43-43	20MHz-5MHz	256QAM-256QAM	45065-45182	100RB#0-25RB#0	22.879	26.75	PASS
43-43	20MHz-5MHz	256QAM-256QAM	45440-45557	100RB#0-25RB#0	22.888	27.00	PASS
43-43	5MHz-20MHz	QPSK-QPSK	44623-44740	25RB#0-100RB#0	22.734	24.00	PASS



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43-43	5MHz-20MHz	QPSK-QPSK	44623-44740	25RB#0-100RB#0	22.527	24.08	PASS
43-43	5MHz-20MHz	QPSK-QPSK	44998-45115	25RB#0-100RB#0	22.873	24.08	PASS
43-43	5MHz-20MHz	QPSK-QPSK	45373-45490	25RB#0-100RB#0	22.607	24.00	PASS
43-43	5MHz-20MHz	16QAM-16QAM	44623-44740	25RB#0-100RB#0	22.897	25.08	PASS
43-43	5MHz-20MHz	16QAM-16QAM	44623-44740	25RB#0-100RB#0	22.695	25.67	PASS
43-43	5MHz-20MHz	16QAM-16QAM	44998-45115	25RB#0-100RB#0	22.675	25.08	PASS
43-43	5MHz-20MHz	16QAM-16QAM	45373-45490	25RB#0-100RB#0	22.667	25.33	PASS
43-43	5MHz-20MHz	64QAM-64QAM	44623-44740	25RB#0-100RB#0	22.908	25.17	PASS
43-43	5MHz-20MHz	64QAM-64QAM	44623-44740	25RB#0-100RB#0	22.651	25.00	PASS
43-43	5MHz-20MHz	64QAM-64QAM	44998-45115	25RB#0-100RB#0	22.652	24.58	PASS
43-43	5MHz-20MHz	64QAM-64QAM	45373-45490	25RB#0-100RB#0	22.651	25.08	PASS
43-43	5MHz-20MHz	256QAM-256QAM	44623-44740	25RB#0-100RB#0	22.921	25.17	PASS
43-43	5MHz-20MHz	256QAM-256QAM	44623-44740	25RB#0-100RB#0	22.667	24.75	PASS
43-43	5MHz-20MHz	256QAM-256QAM	44998-45115	25RB#0-100RB#0	22.663	24.75	PASS
43-43	5MHz-20MHz	256QAM-256QAM	45373-45490	25RB#0-100RB#0	22.714	25.25	PASS



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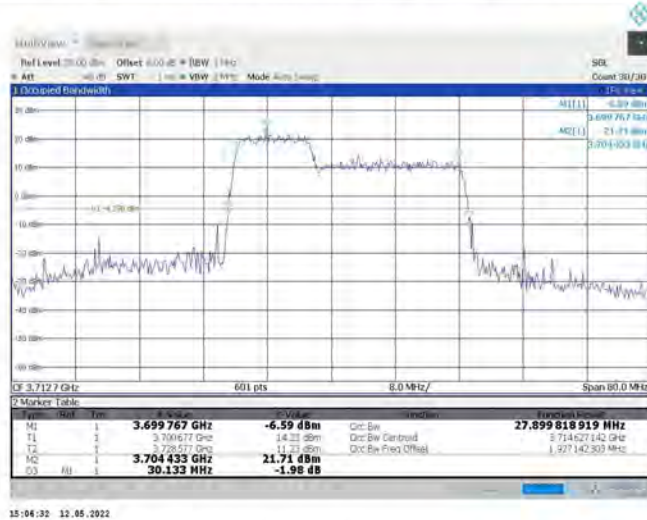
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Rev.: 01

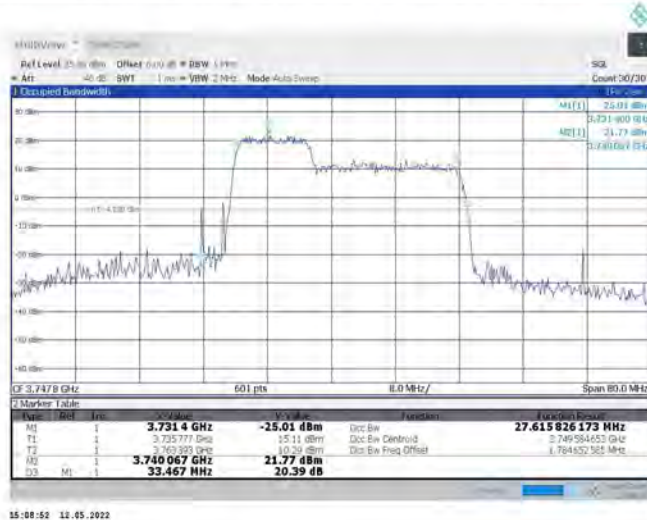
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Test Graphs

43-43-10MHz-20MHz-QPSK-QPSK-44645-44789-50RB#0-100RB#0



43-43-10MHz-20MHz-QPSK-QPSK-44996-45140-50RB#0-100RB#0



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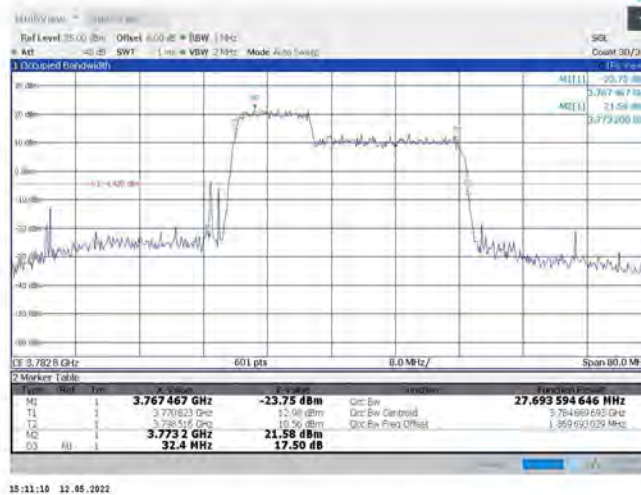
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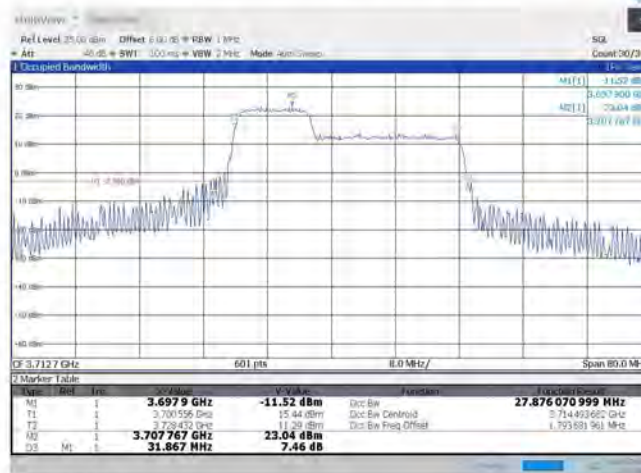
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43-43-10MHz-20MHz-QPSK-QPSK-45346-45490-50RB#0-100RB#0



15:11:10 12.05.2022

43-43-10MHz-20MHz-16QAM-16QAM-44645-44789-50RB#0-100RB#0



15:37:04 12.05.2022



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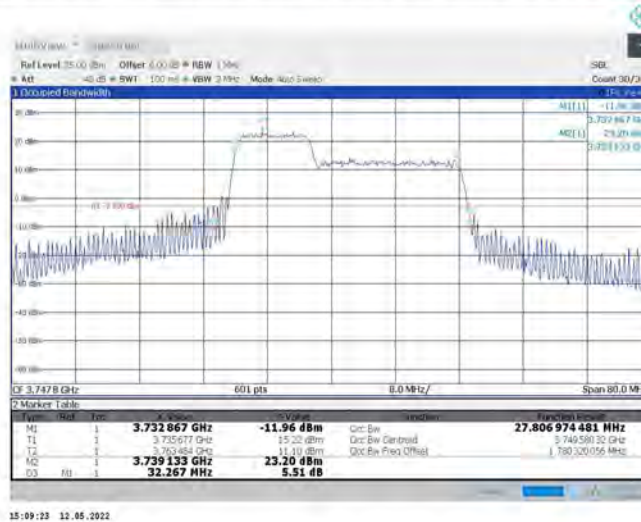
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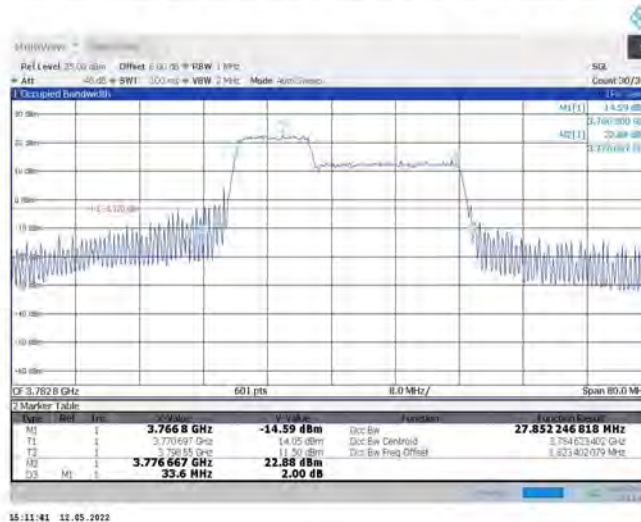
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43-43-10MHz-20MHz-16QAM-16QAM-44996-45140-50RB#0-100RB#0



43-43-10MHz-20MHz-16QAM-16QAM-45346-45490-50RB#0-100RB#0



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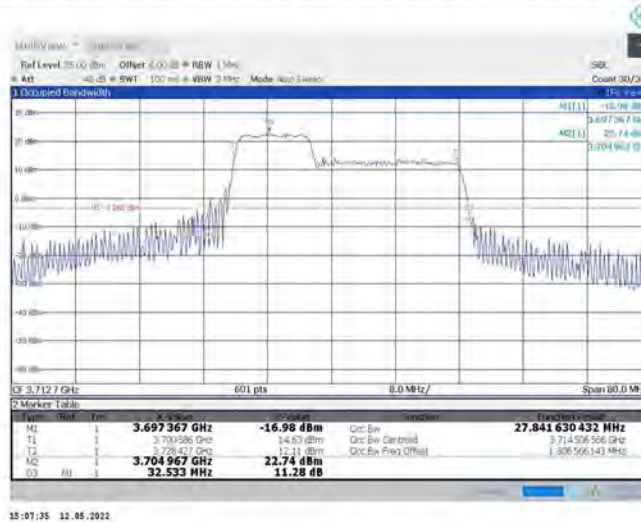
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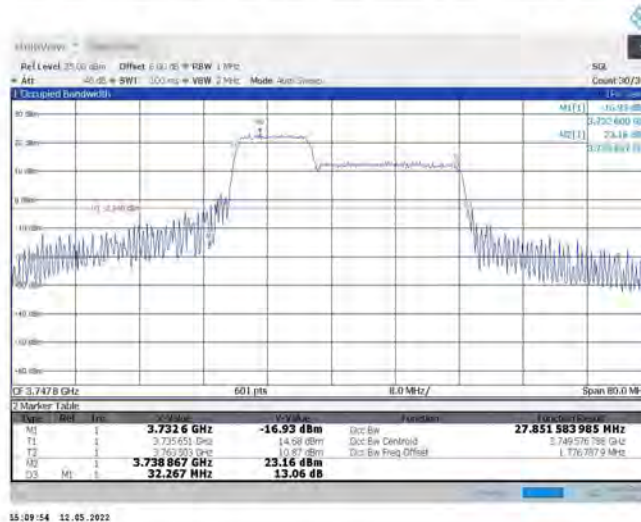
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43-43-10MHz-20MHz-64QAM-64QAM-44645-44789-50RB#0-100RB#0



43-43-10MHz-20MHz-64QAM-64QAM-44996-45140-50RB#0-100RB#0



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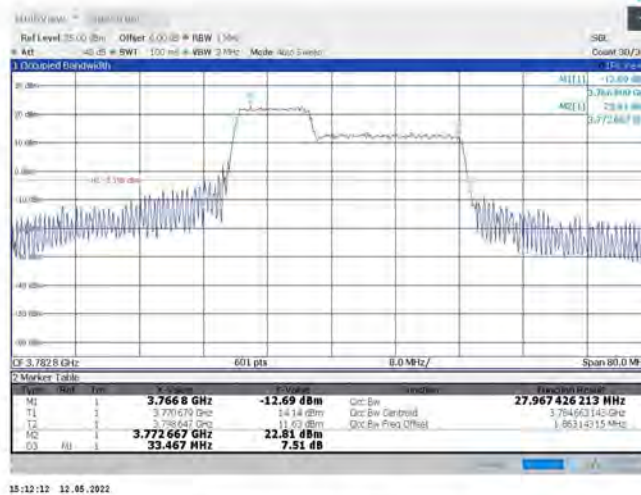
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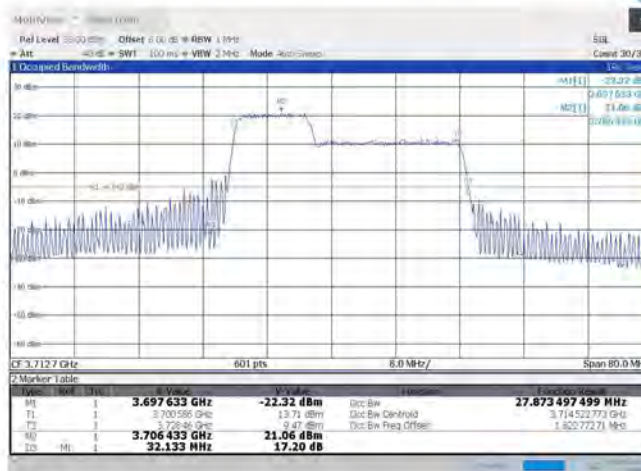
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43-43-10MHz-20MHz-64QAM-64QAM-45346-45490-50RB#0-100RB#0



15:12:12 12.05.2022

43-43-10MHz-20MHz-256QAM-256QAM-44645-44789-50RB#0-100RB#0



15:08:06 12.05.2022



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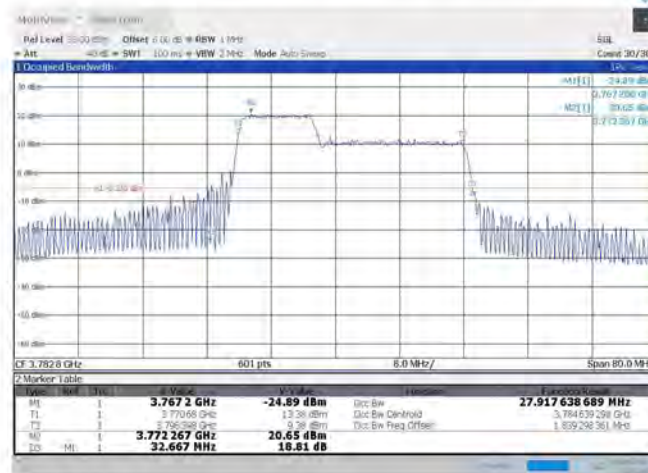
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43-43-10MHz-20MHz-256QAM-256QAM-44996-45140-50RB#0-100RB#0



15:10:25 12.05.2022

43-43-10MHz-20MHz-256QAM-256QAM-45346-45490-50RB#0-100RB#0



15:12:43 12.05.2022



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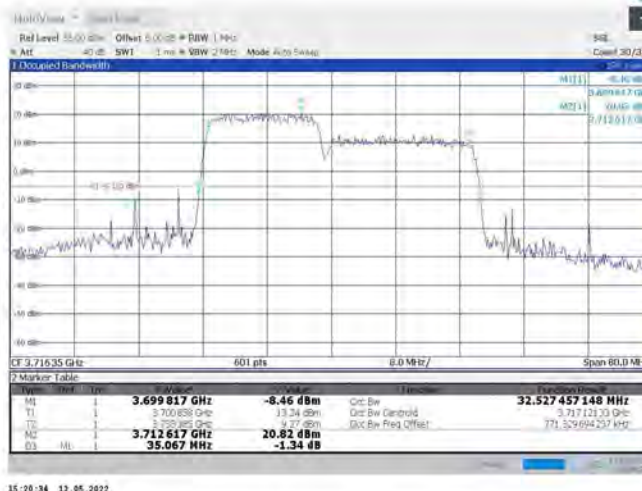
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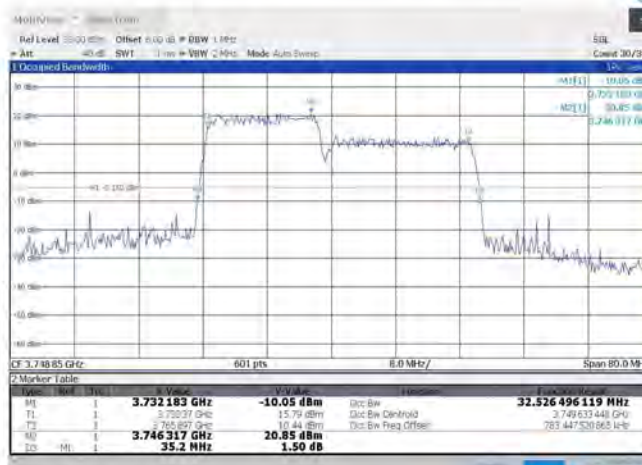
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43-43-15MHz-20MHz-QPSK-QPSK-44668-44839-75RB#0-100RB#0



15:20:34 12.05.2022

43-43-15MHz-20MHz-QPSK-QPSK-44993-45164-75RB#0-100RB#0



15:22:53 12.05.2022



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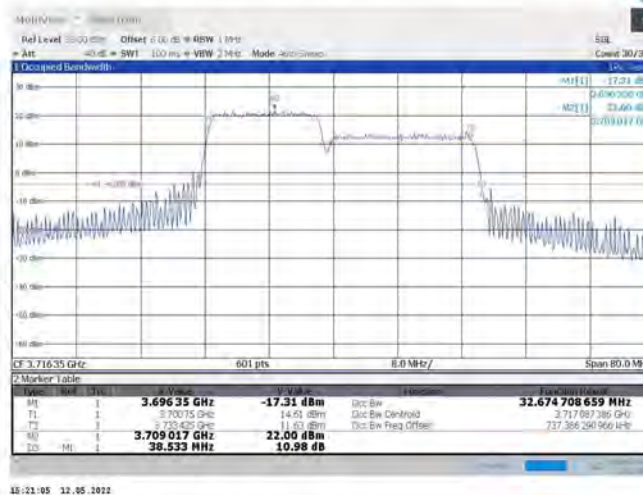
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43-43-15MHz-20MHz-16QAM-16QAM-44668-44839-75RB#0-100RB#0



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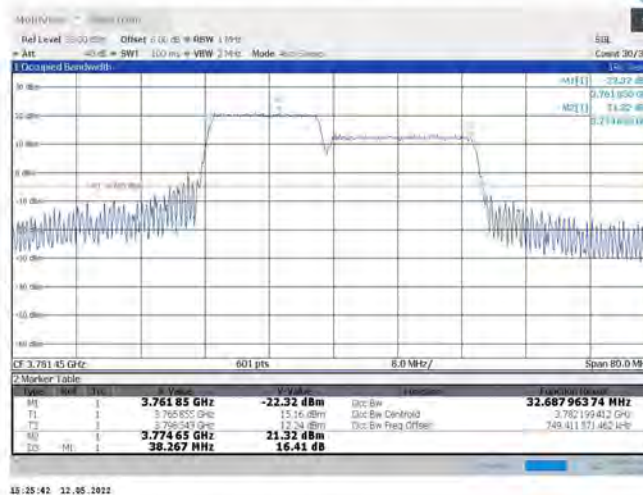
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43-43-15MHz-20MHz-16QAM-16QAM-44993-45164-75RB#0-100RB#0



43-43-15MHz-20MHz-16QAM-16QAM-45319-45490-75RB#0-100RB#0



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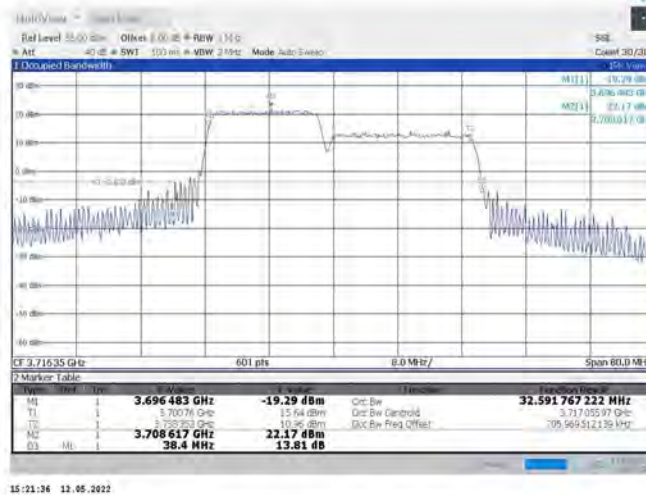
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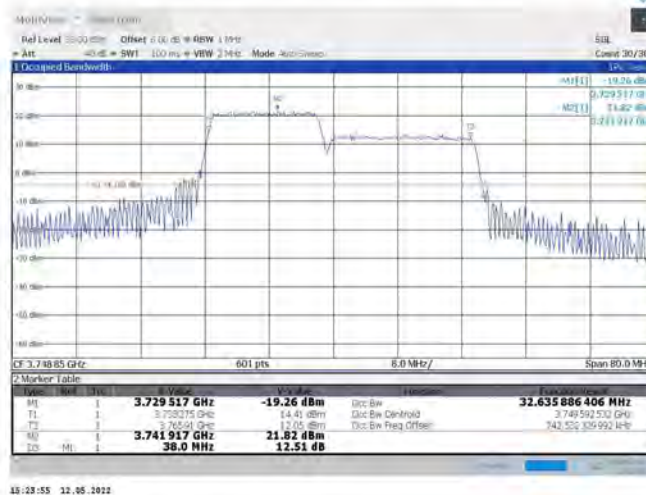
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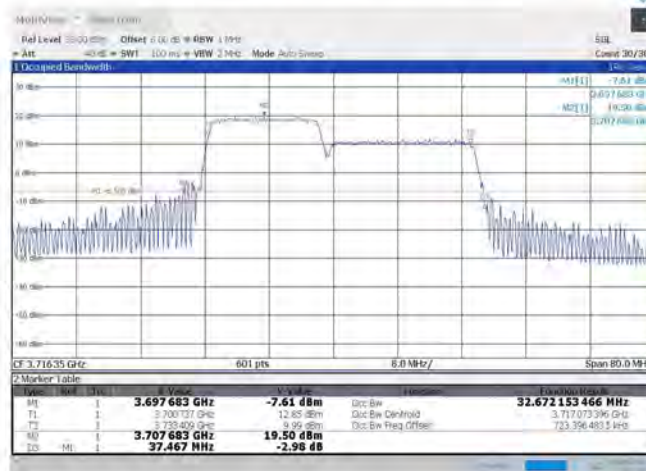
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15/24/13 12.05.2022

43-43-15MHz-20MHz-256QAM-256QAM-44668-44839-75RB#0-100RB#0



15/22/07 12.05.2022



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43-43-15MHz-20MHz-256QAM-256QAM-44993-45164-75RB#0-100RB#0



15/24/24 12.05.2022

43-43-15MHz-20MHz-256QAM-256QAM-45319-45490-75RB#0-100RB#0



15/24/44 12.05.2022



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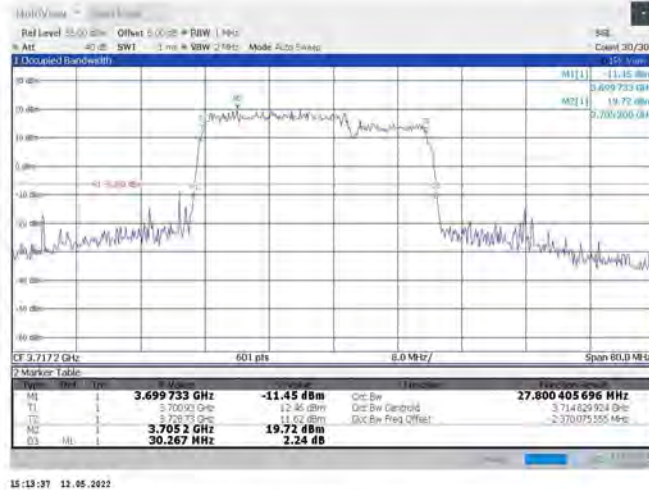
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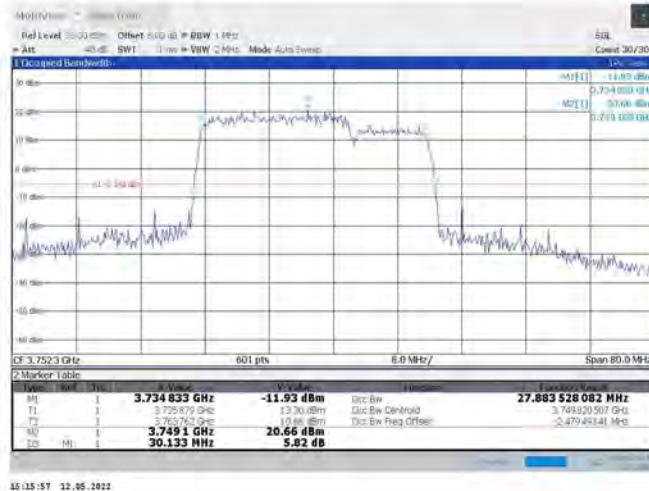
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43-43-20MHz-10MHz-QPSK-QPSK-44690-44834-100RB#0-50RB#0



15:13:37 12.05.2022

43-43-20MHz-10MHz-QPSK-QPSK-45041-45185-100RB#0-50RB#0



15:15:57 12.05.2022



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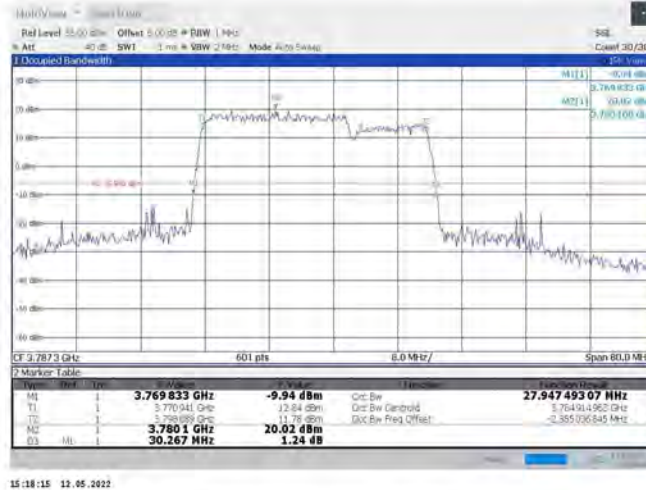
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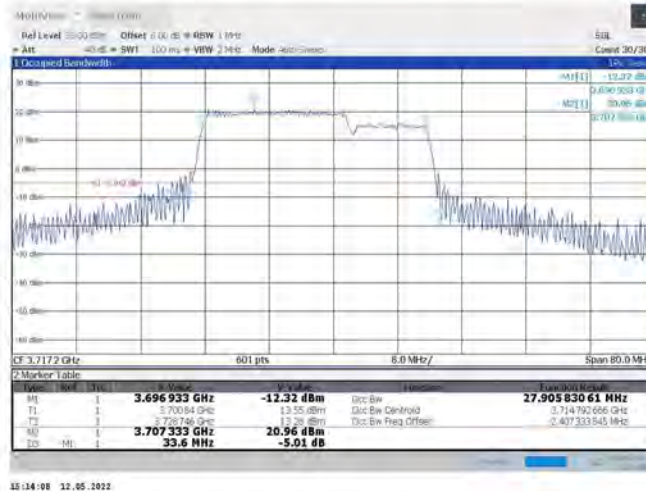
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43-43-20MHz-10MHz-16QAM-16QAM-44690-44834-100RB#0-50RB#0



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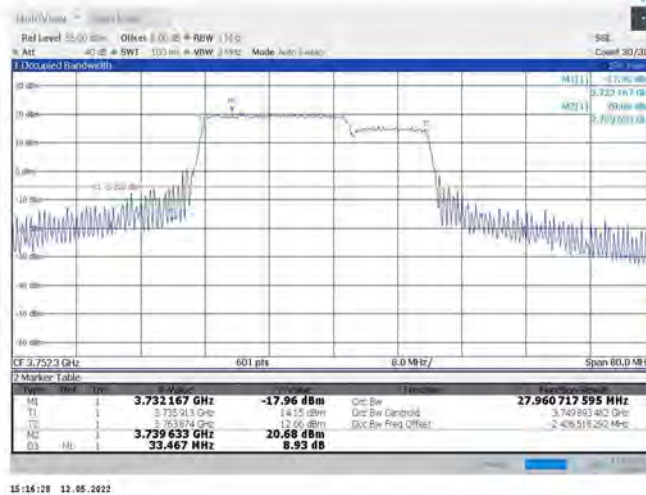
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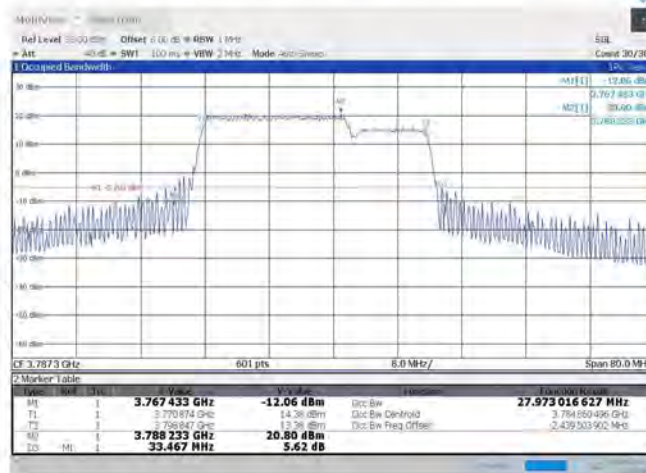
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43-43-20MHz-10MHz-16QAM-16QAM-45041-45185-100RB#0-50RB#0



15:14:28 12.05.2022

43-43-20MHz-10MHz-16QAM-16QAM-45391-45535-100RB#0-50RB#0



15:18:46 12.05.2022



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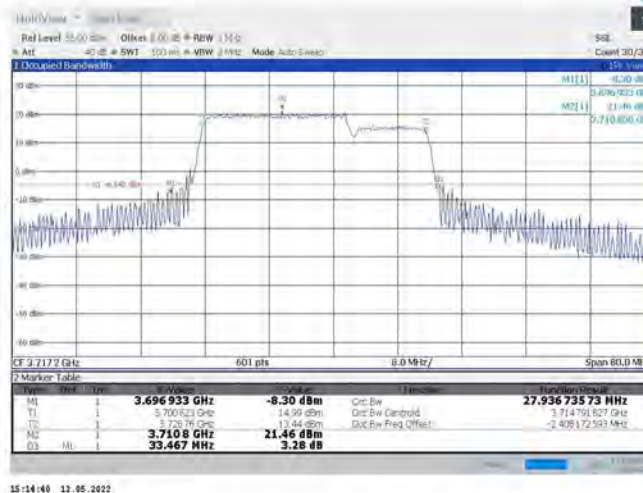
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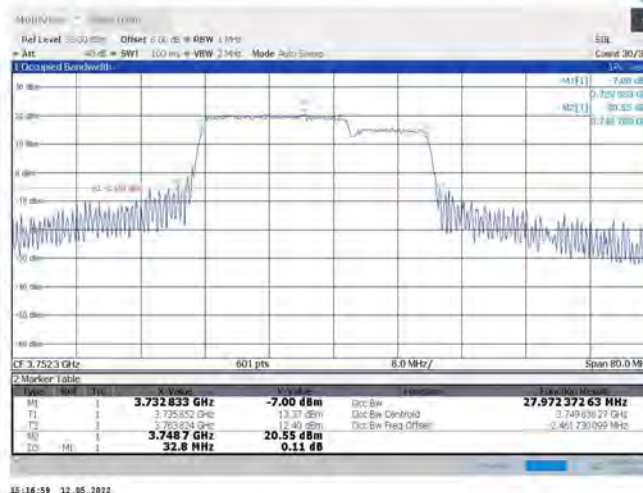
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43-43-20MHz-10MHz-64QAM-64QAM-45041-45185-100RB#0-50RB#0



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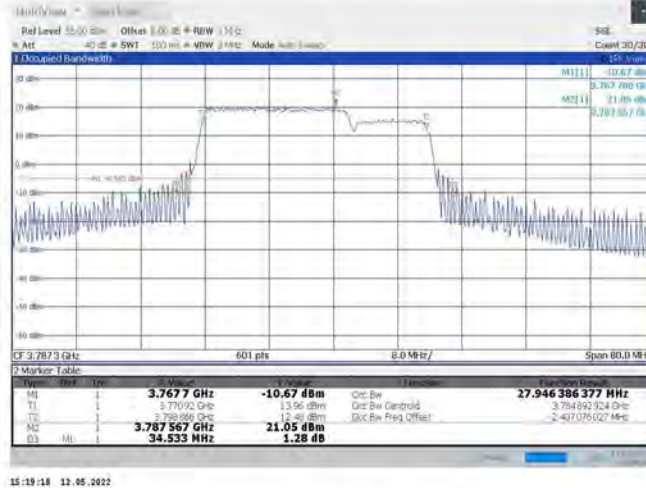
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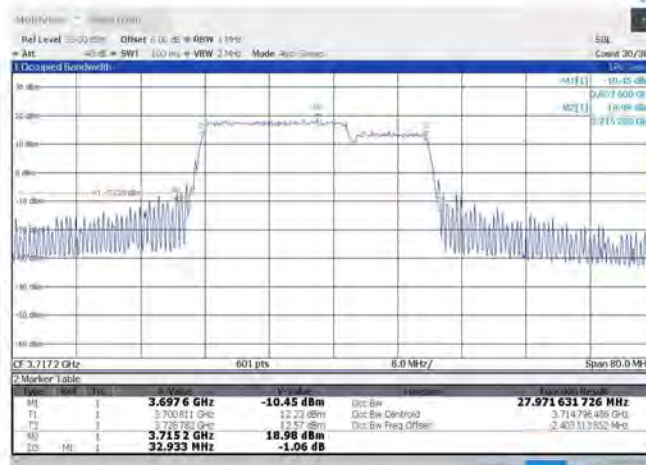
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43-43-20MHz-10MHz-64QAM-64QAM-45391-45535-100RB#0-50RB#0



15/10/18 12:05:2022

43-43-20MHz-10MHz-256QAM-256QAM-44690-44834-100RB#0-50RB#0



15/10/18 12:05:2022



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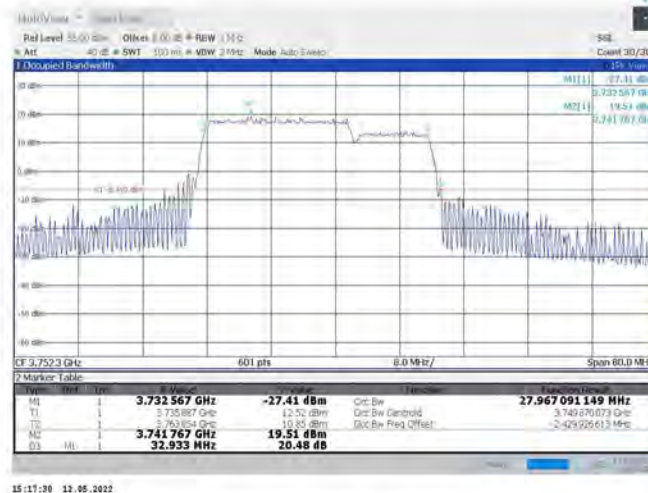
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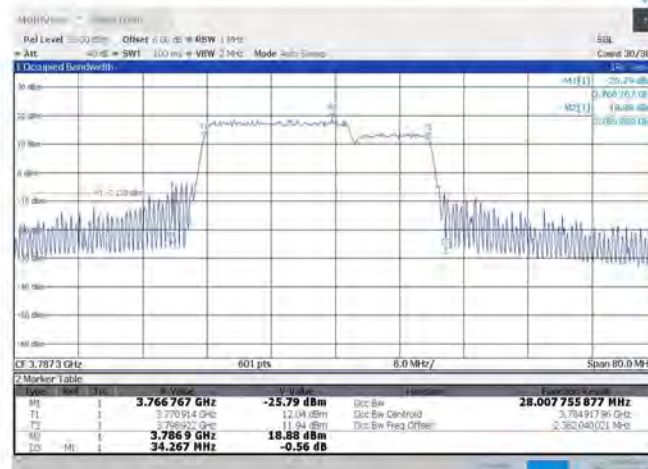
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15:17:30 12.05.2022

43-43-20MHz-10MHz-256QAM-256QAM-45391-45535-100RB#0-50RB#0



15:19:49 12.05.2022



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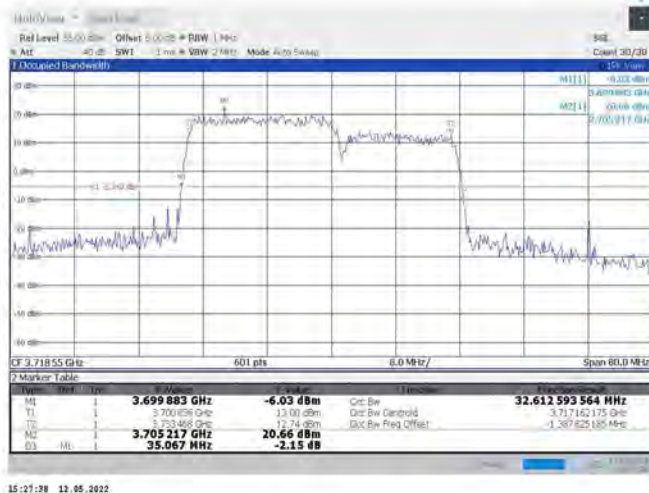
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43-43-20MHz-15MHz-QPSK-QPSK-45016-45187-100RB#0-75RB#0



15:29:57 12.05.2022



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15:32:15 12.05.2022

43-43-20MHz-15MHz-16QAM-16QAM-44690-44861-100RB#0-75RB#0



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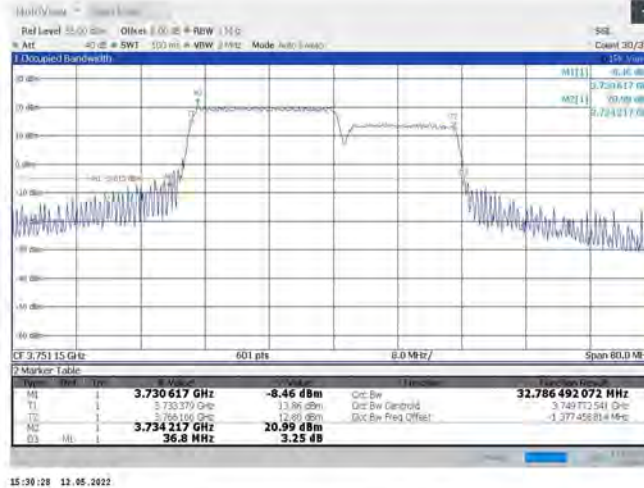
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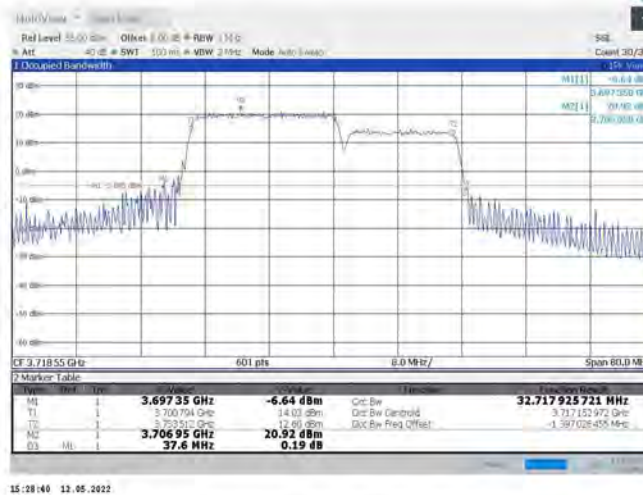
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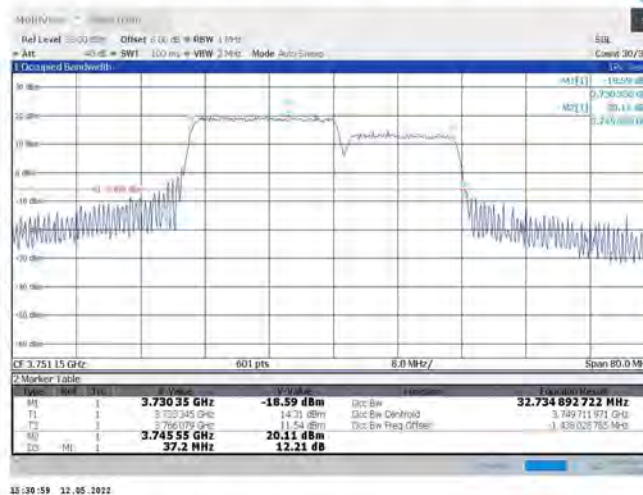
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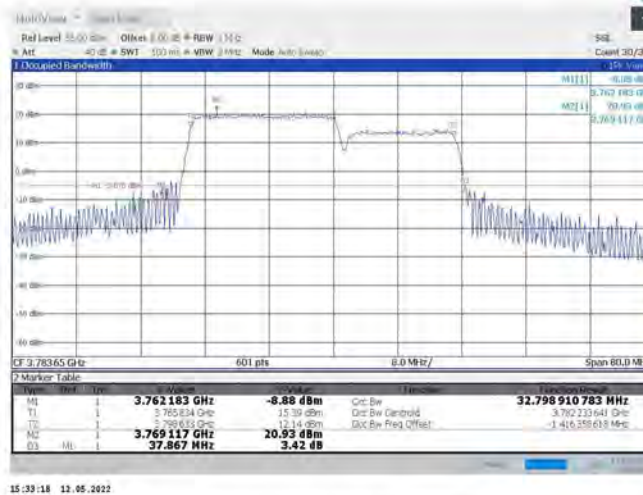
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43-43-20MHz-15MHz-64QAM-64QAM-45341-45512-100RB#0-75RB#0



15:33:18 12.05.2022

43-43-20MHz-15MHz-256QAM-256QAM-44690-44861-100RB#0-75RB#0



15:29:11 12.05.2022



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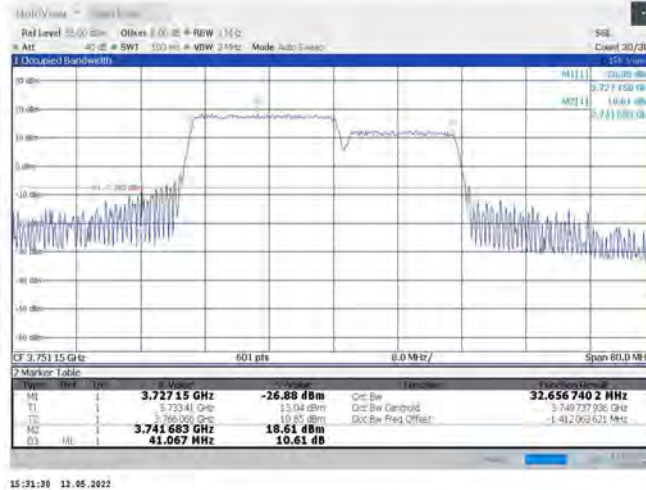
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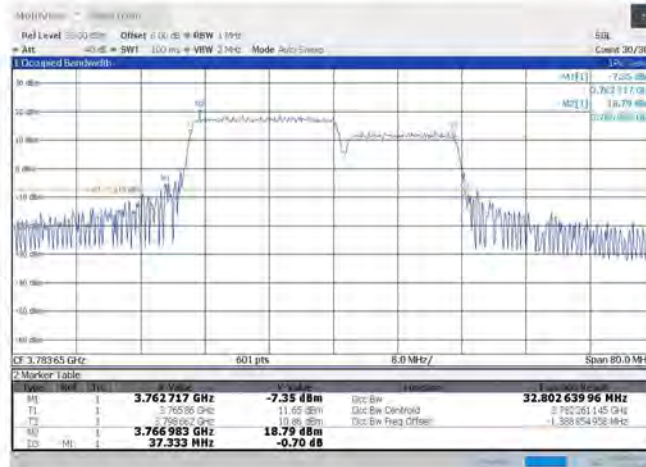
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43-43-20MHz-15MHz-256QAM-256QAM-45016-45187-100RB#0-75RB#0



15:31:30 12.05.2022

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15:33:49 12.05.2022



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43-43-20MHz-20MHz-QPSK-QPSK-45292-45490-100RB#0-100RB#0



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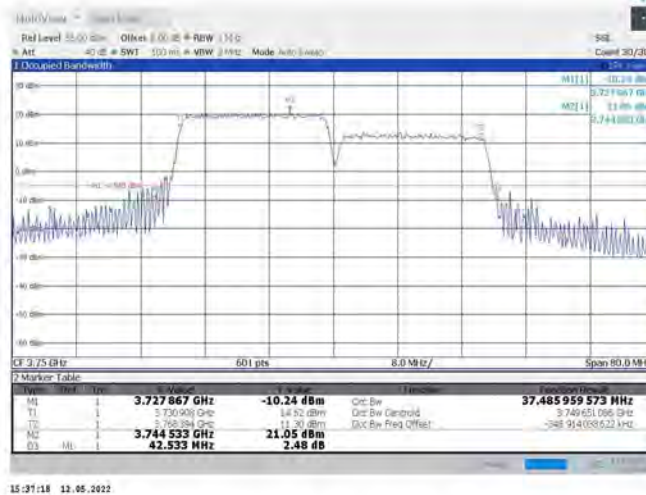
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43-43-20MHz-20MHz-16QAM-16QAM-44991-45189-100RB#0-100RB#0



15:31:18 12.05.2022

43-43-20MHz-20MHz-16QAM-16QAM-45292-45490-100RB#0-100RB#0



15:39:34 12.05.2022



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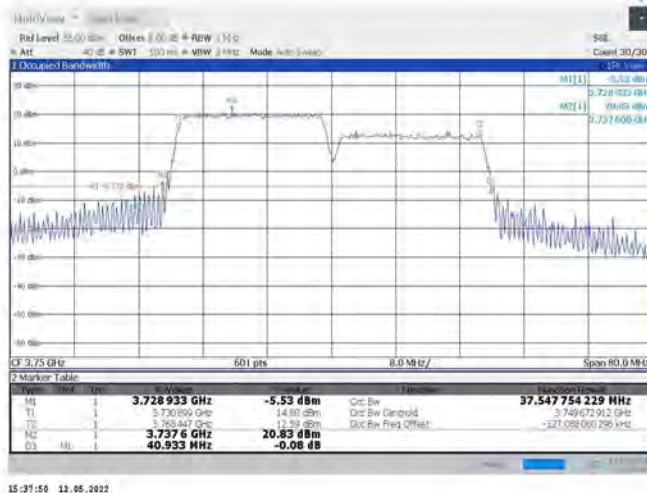
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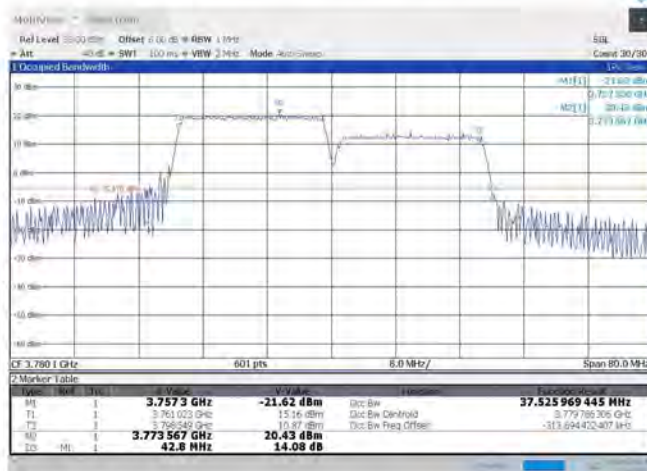
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15:31:50 12.05.2022

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15:40:05 12.05.2022



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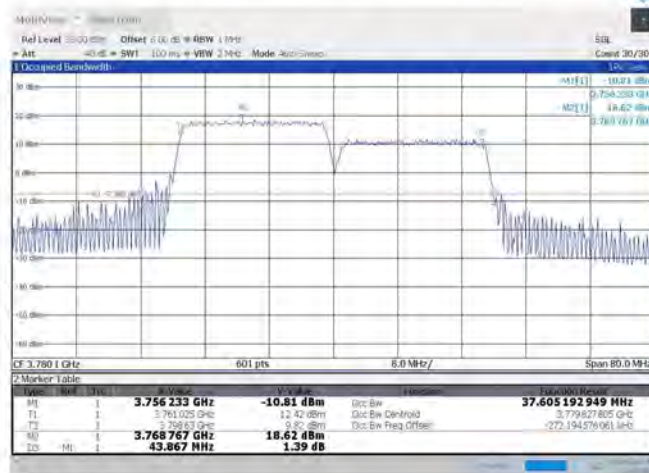
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43-43-20MHz-20MHz-256QAM-256QAM-44991-45189-100RB#0-100RB#0



15:38:21 12.05.2022

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15:40:34 12.05.2022



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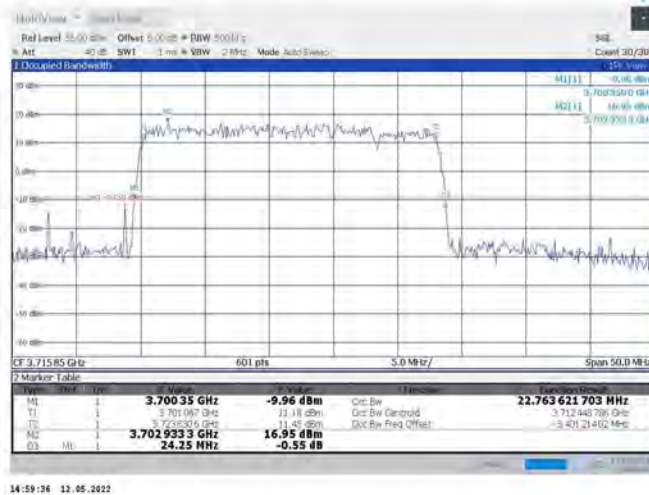
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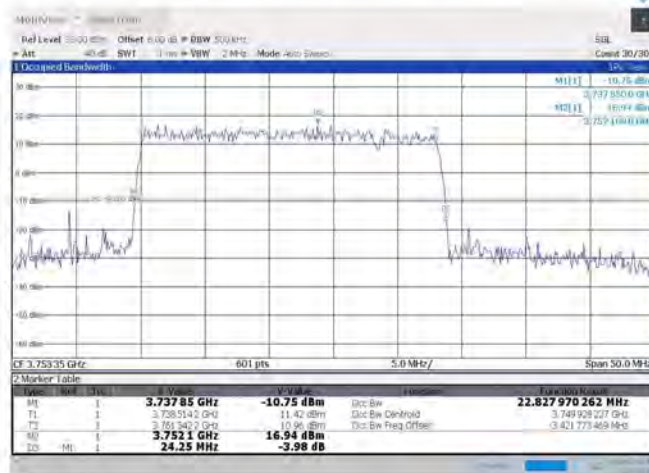
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43-43-20MHz-5MHz-QPSK-QPSK-44690-44807-100RB#0-25RB#0



14:59:36 12.05.2022

43-43-20MHz-5MHz-QPSK-QPSK-45065-45182-100RB#0-25RB#0



15:01:55 12.05.2022



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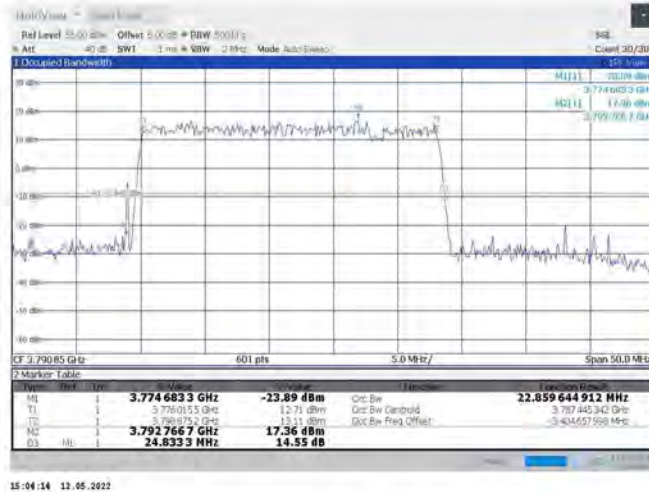
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15-04-14 12:05:22

43-43-20MHz-5MHz-16QAM-16QAM-44690-44807-100RB#0-25RB#0



15-04-07 12:05:22



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15/02/24 12:05:22

43-43-20MHz-5MHz-16QAM-16QAM-45440-45557-100RB#0-25RB#0



15/04/25 12:05:22



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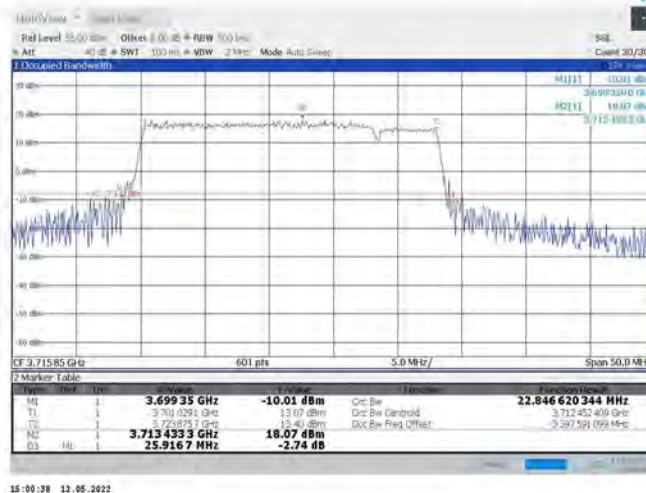
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15:00:38 12.05.2022

43-43-20MHz-5MHz-64QAM-64QAM-45065-45182-100RB#0-25RB#0



15:02:57 12.05.2022



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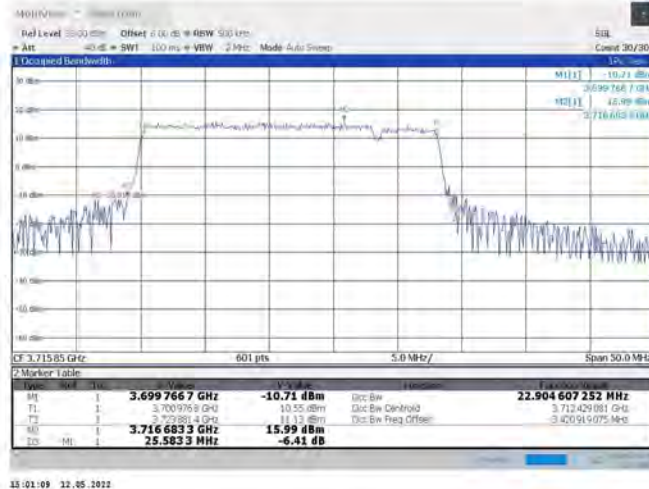
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43-43-20MHz-5MHz-64QAM-64QAM-45440-45557-100RB#0-25RB#0



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15-03:28 12.05.2022

43-43-20MHz-5MHz-256QAM-256QAM-45440-45557-100RB#0-25RB#0



15-05:47 12.05.2022



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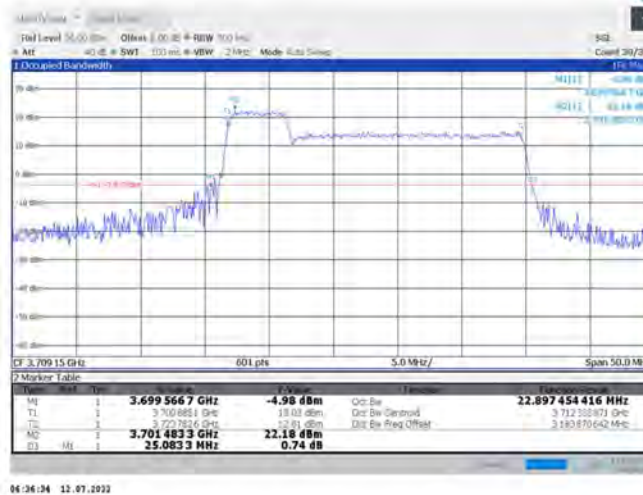
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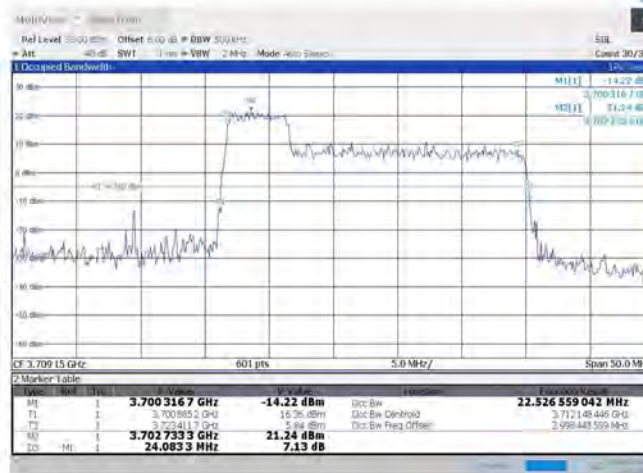
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43-43-5MHz-20MHz-QPSK-QPSK-44623-44740-100RB#0-25RB#0



04/24/24 12:07:22

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14/32/38 12:05:22



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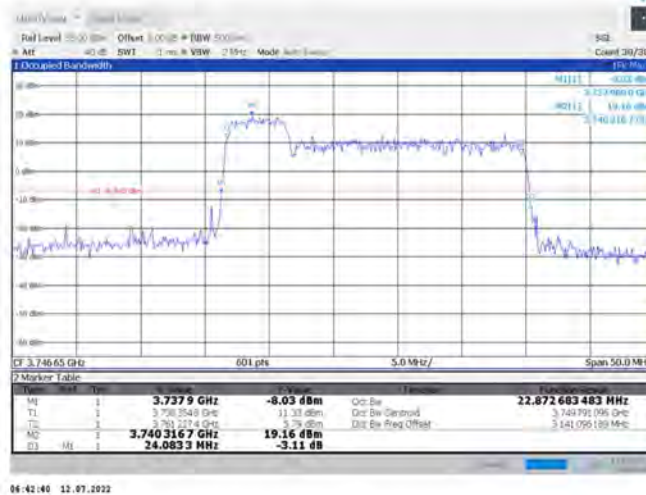
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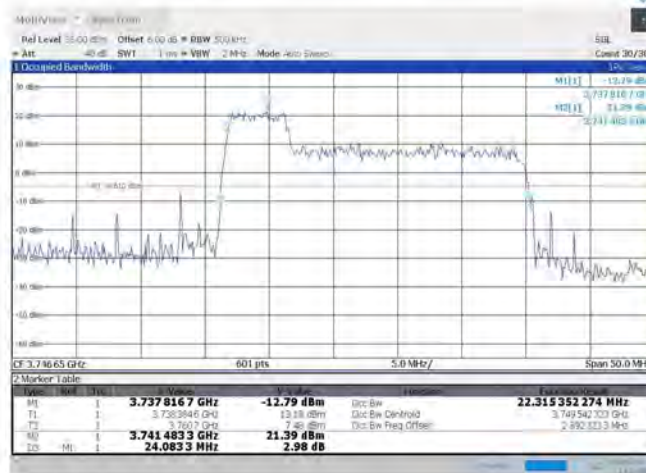
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06:42:40 12.07.2022

43-43-5MHz-20MHz-QPSK-QPSK-44998-45115-25RB#0-100RB#0



14:34:57 12.05.2022



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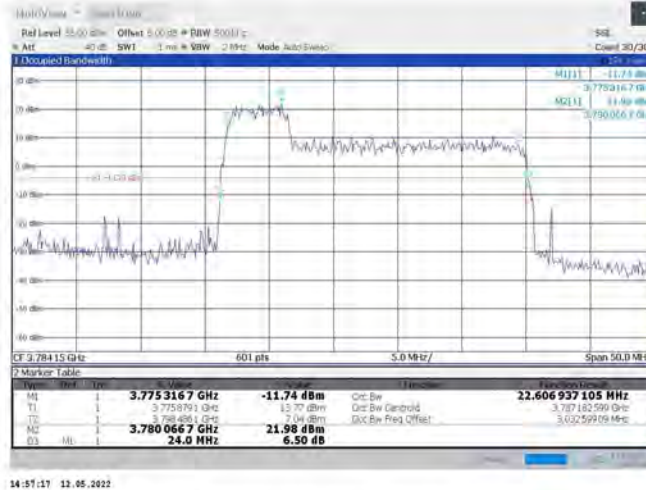
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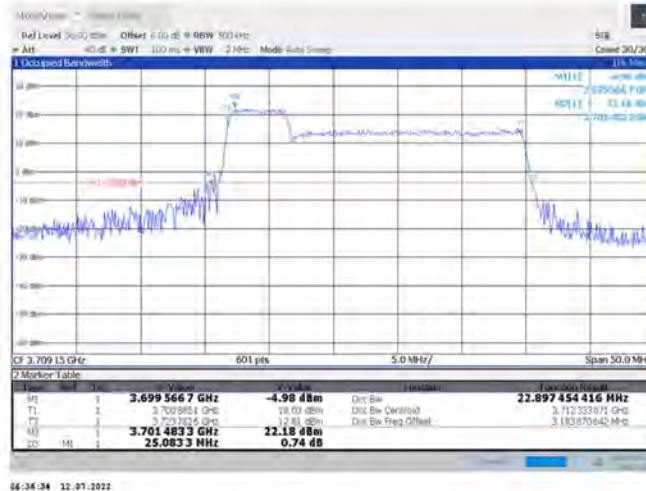
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43-43-5MHz-20MHz-QPSK-QPSK-45373-45490-25RB#0-100RB#0



14:51:17 12.05.2022

43-43-5MHz-20MHz-16QAM-16QAM-44623-44740-100RB#0-25RB#0



06:34:34 12.07.2022



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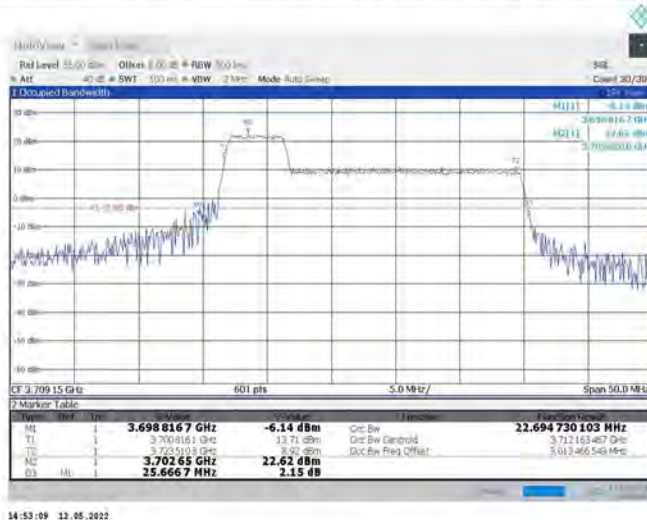
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14:53:09 12.05.2022

43-43-5MHz-20MHz-16QAM-16QAM-44998-45115-25RB#0-100RB#0



14:55:28 12.05.2022



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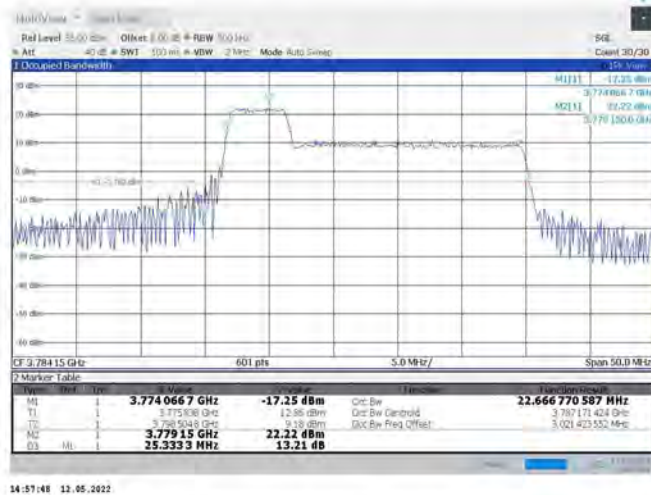
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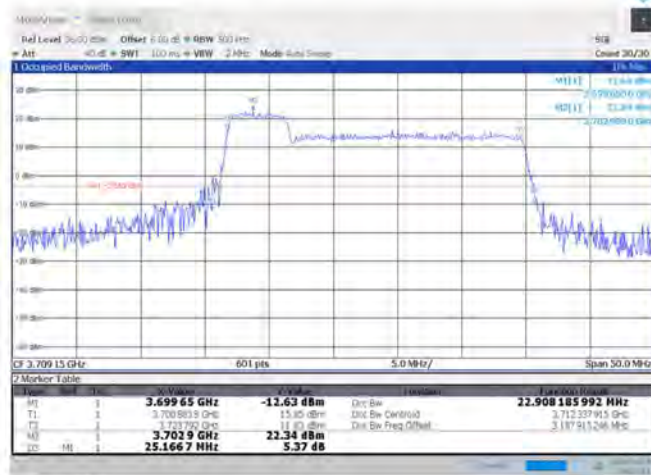
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14:57:48 12.05.2022

43-43-5MHz-20MHz-64QAM-64QAM-44623-44740-100RB#0-25RB#0



04:37:12 12.07.2022



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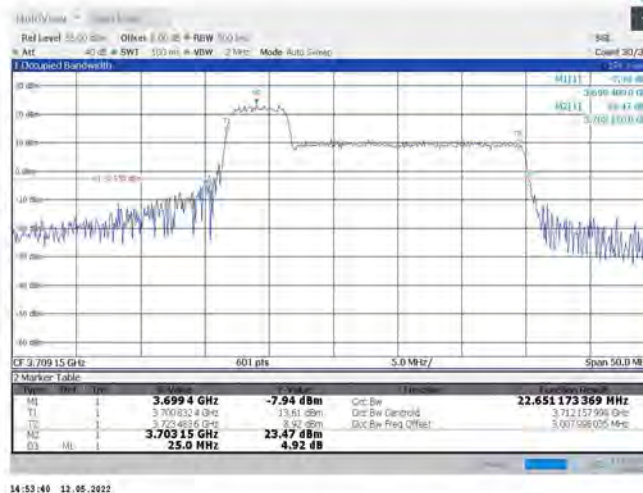
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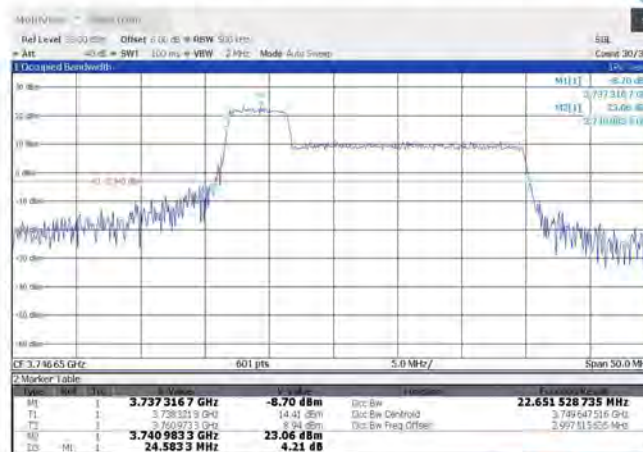
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14:53:40 12.05.2022

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14:54:00 12.05.2022



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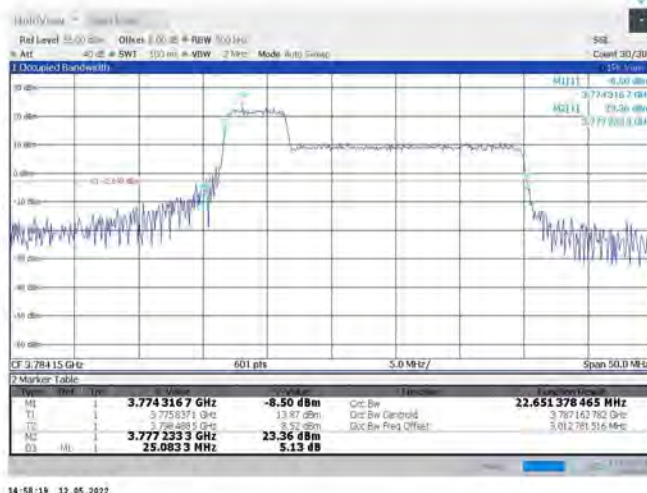
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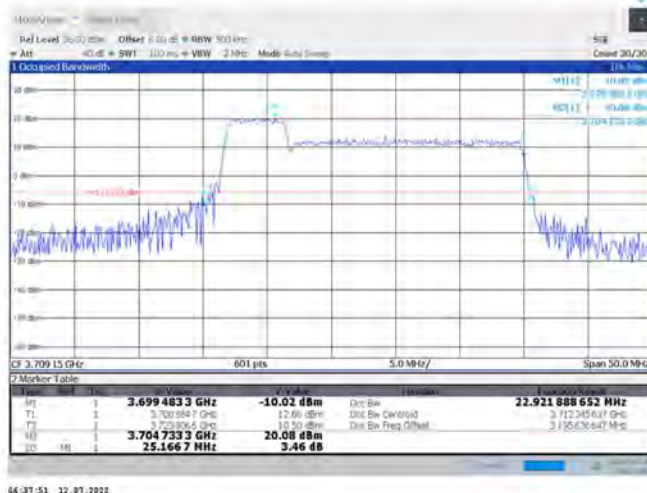
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43-43-5MHz-20MHz-64QAM-64QAM-45373-45490-25RB#0-100RB#0



43-43-5MHz-20MHz-256QAM-256QAM-44623-44740-100RB#0-25RB#0



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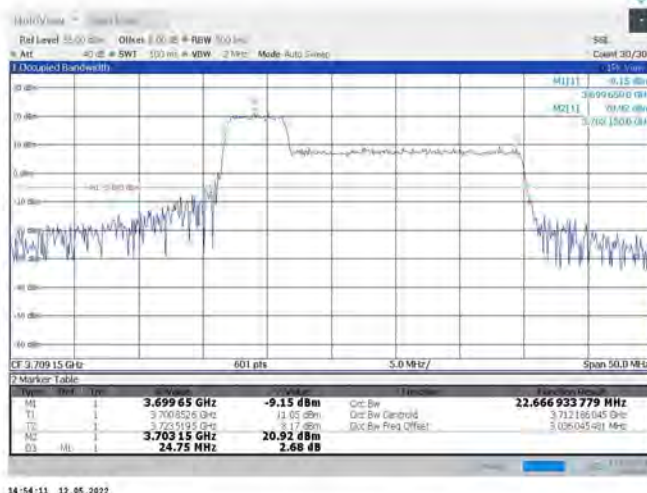
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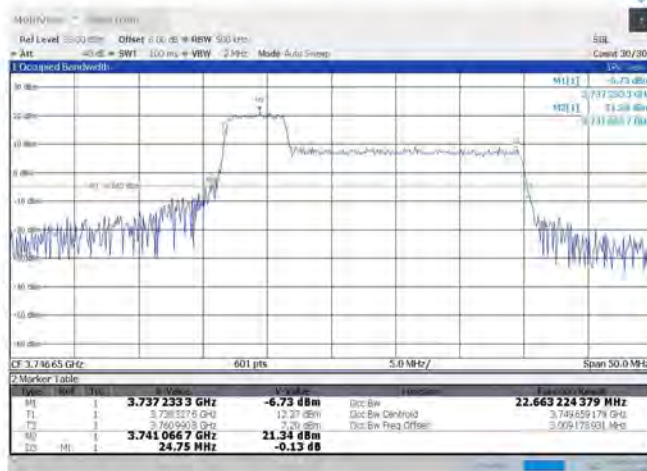
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14:54:11 12.05.2022

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14:54:31 12.05.2022



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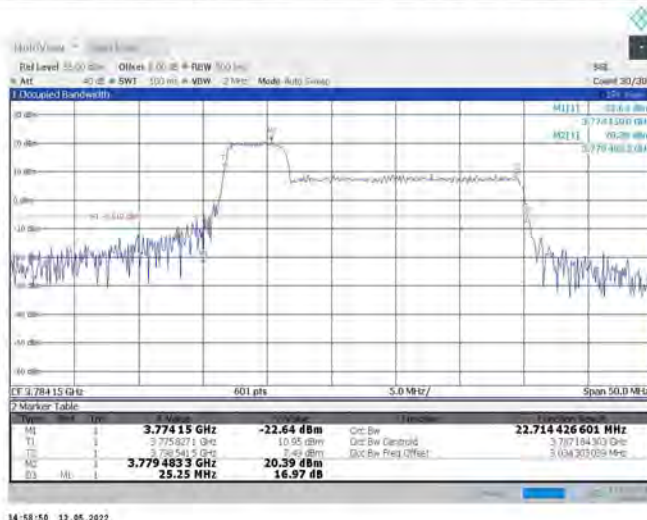
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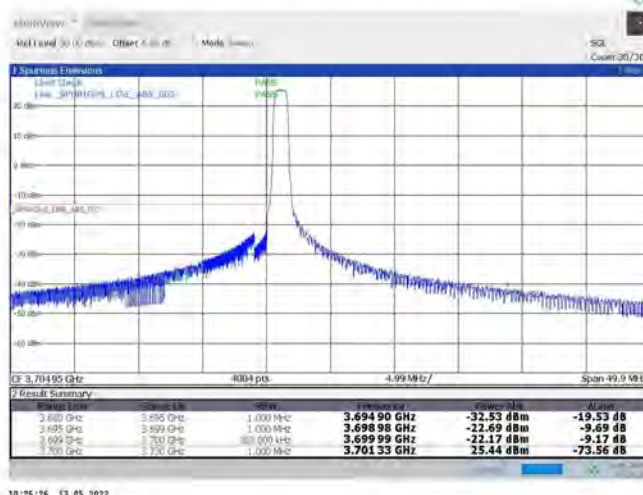
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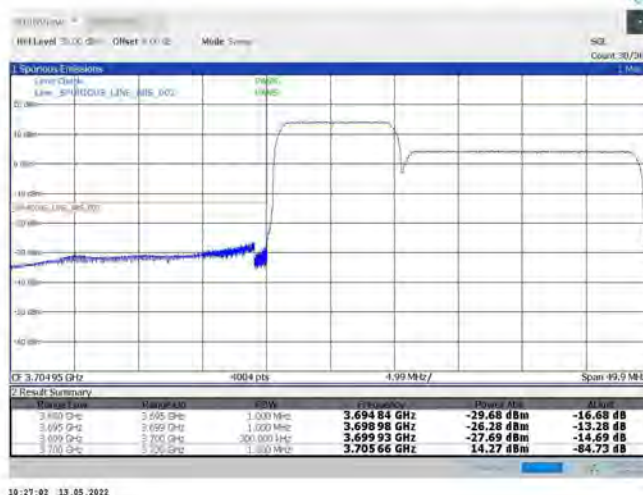
Band Edge

Test Graphs

43-43-10MHz-20MHz-QPSK-QPSK-44645-44789-1RB#0-0RB#0



43-43-10MHz-20MHz-QPSK-QPSK-44645-44789-50RB#0-100RB#0



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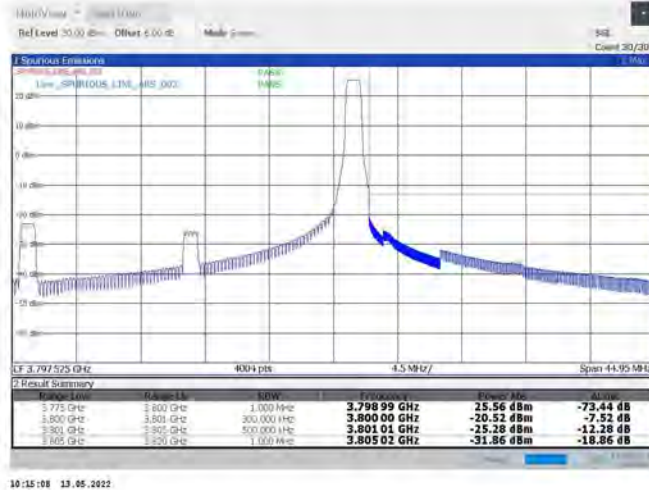
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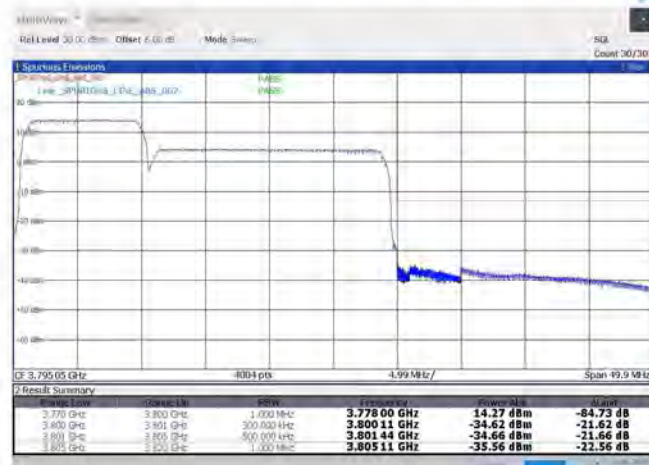
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10:15:08 13.05.2022

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10:30:28 13.05.2022



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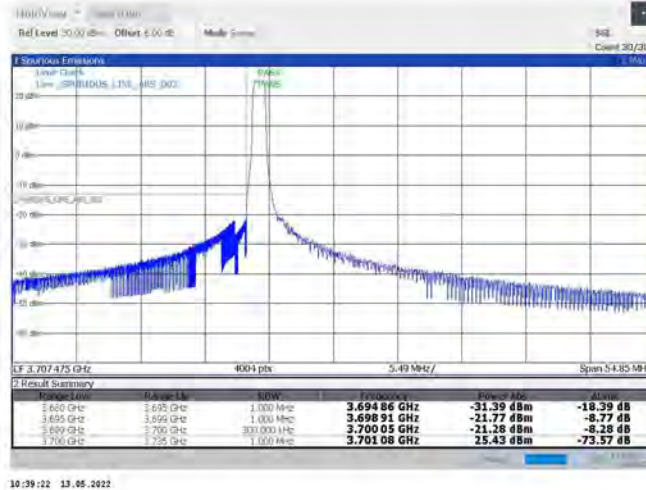
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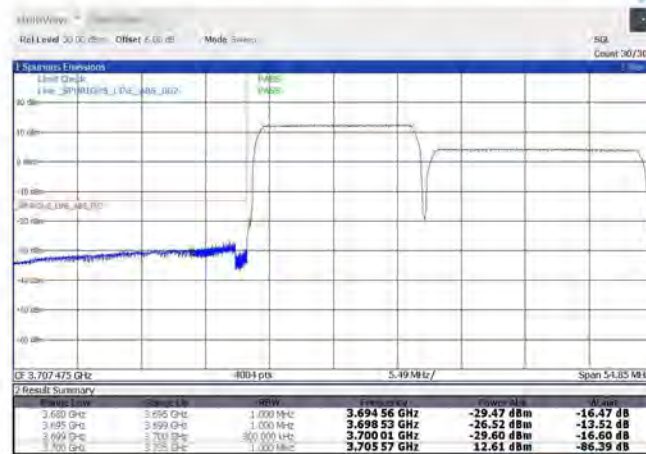
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43-43-15MHz-20MHz-QPSK-QPSK-44668-44839-1RB#0-0RB#0



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10:40:59 13.05.2022



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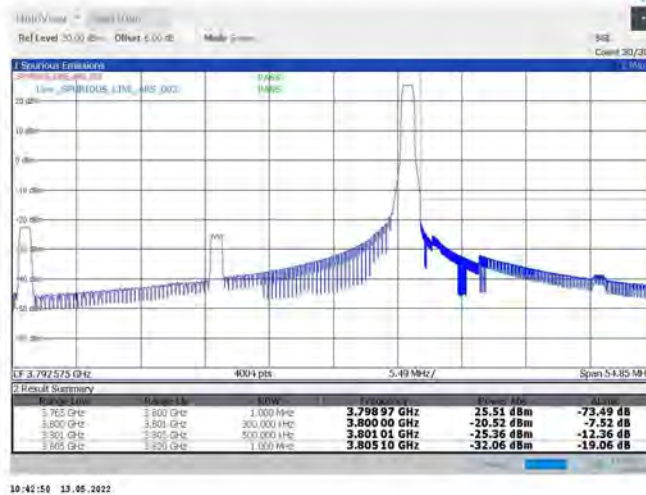
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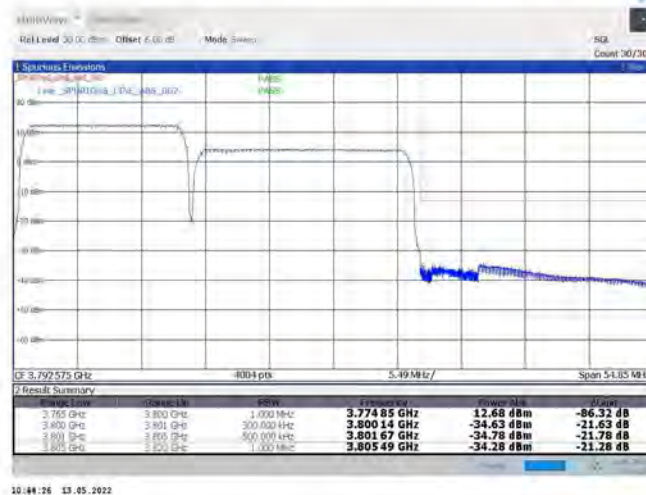
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43-43-15MHz-20MHz-QPSK-QPSK-45319-45490-0RB#0-1RB#99



43-43-15MHz-20MHz-QPSK-QPSK-45319-45490-75RB#0-100RB#0



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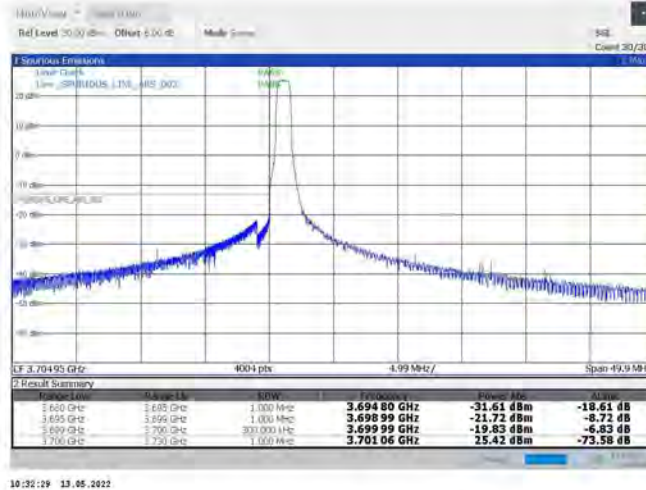
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43-43-20MHz-10MHz-QPSK-QPSK-44690-44834-100RB#0-50RB#0



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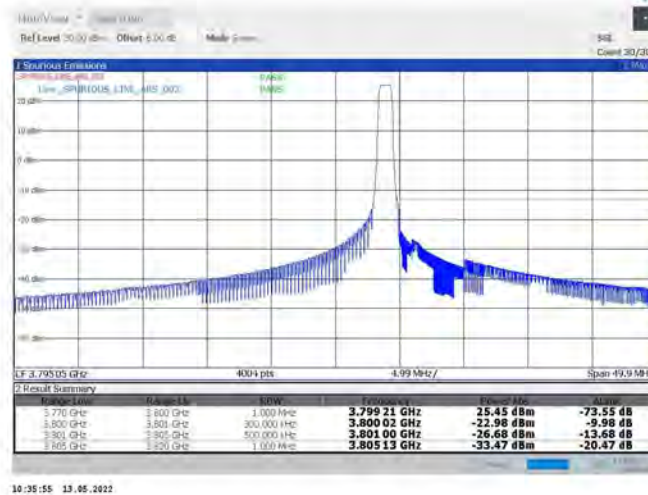
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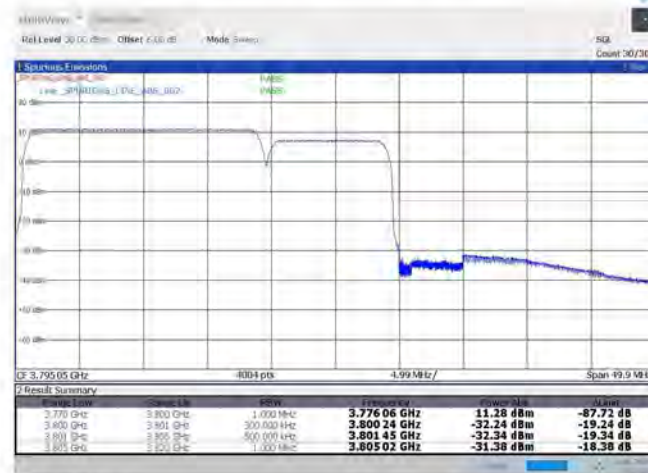
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43-43-20MHz-10MHz-QPSK-QPSK-45391-45535-0RB#0-1RB#49



10:35:55 13.05.2022

43-43-20MHz-10MHz-QPSK-QPSK-45391-45535-100RB#0-50RB#0



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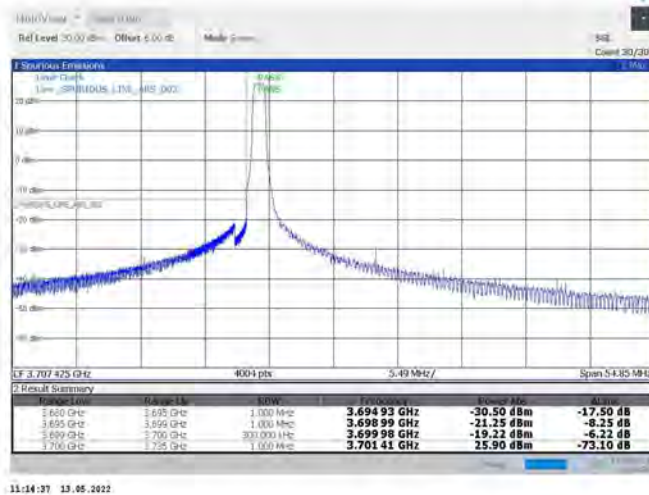
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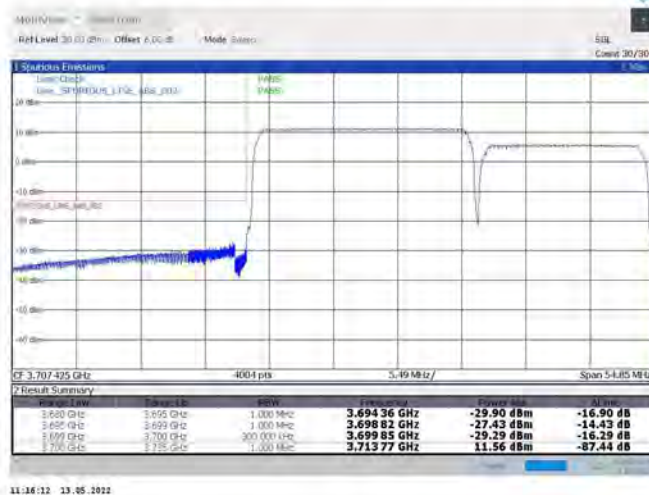
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43-43-20MHz-15MHz-QPSK-QPSK-45341-45512-1RB#0-0RB#0



43-43-20MHz-15MHz-QPSK-QPSK-45341-45512-100RB#0-75RB#0



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