Appendix B.6

LTE Band 41(2555-2655)

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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT0

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	20.61	21.61	33.00	PASS
Band41	5MHz	QPSK	40265	1RB#12	20.55	21.55	33.00	PASS
Band41	5MHz	QPSK	40265	1RB#24	20.59	21.59	33.00	PASS
Band41	5MHz	QPSK	40265	12RB#0	19.58	20.58	33.00	PASS
Band41	5MHz	QPSK	40265	12RB#6	19.53	20.53	33.00	PASS
Band41	5MHz	QPSK	40265	12RB#13	19.45	20.45	33.00	PASS
Band41	5MHz	QPSK	40265	25RB#0	19.36	20.36	33.00	PASS
Band41	5MHz	16QAM	40265	1RB#0	19.73	20.73	33.00	PASS
Band41	5MHz	16QAM	40265	1RB#12	19.61	20.61	33.00	PASS
Band41	5MHz	16QAM	40265	1RB#24	19.73	20.73	33.00	PASS
Band41	5MHz	16QAM	40265	12RB#0	18.77	19.77	33.00	PASS
Band41	5MHz	16QAM	40265	12RB#6	18.75	19.75	33.00	PASS
Band41	5MHz	16QAM	40265	12RB#13	18.65	19.65	33.00	PASS
Band41	5MHz	16QAM	40265	25RB#0	18.68	19.68	33.00	PASS
Band41	5MHz	64QAM	40265	1RB#0	18.41	19.41	33.00	PASS
Band41	5MHz	64QAM	40265	1RB#12	18.31	19.31	33.00	PASS
Band41	5MHz	64QAM	40265	1RB#24	18.47	19.47	33.00	PASS
Band41	5MHz	64QAM	40265	12RB#0	17.80	18.8	33.00	PASS
Band41	5MHz	64QAM	40265	12RB#6	17.56	18.56	33.00	PASS
Band41	5MHz	64QAM	40265	12RB#13	17.68	18.68	33.00	PASS
Band41	5MHz	64QAM	40265	25RB#0	17.66	18.66	33.00	PASS
Band41	5MHz	QPSK	40740	1RB#0	20.71	21.71	33.00	PASS
Band41	5MHz	QPSK	40740	1RB#12	20.58	21.58	33.00	PASS
Band41	5MHz	QPSK	40740	1RB#24	20.56	21.56	33.00	PASS
Band41	5MHz	QPSK	40740	12RB#0	19.67	20.67	33.00	PASS
Band41	5MHz	QPSK	40740	12RB#6	19.56	20.56	33.00	PASS

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Band41	5MHz	QPSK	40740	12RB#13	19.44	20.44	33.00	PASS
Band41	5MHz	QPSK	40740	25RB#0	19.45	20.45	33.00	PASS
Band41	5MHz	16QAM	40740	1RB#0	19.59	20.59	33.00	PASS
Band41	5MHz	16QAM	40740	1RB#12	19.53	20.53	33.00	PASS
Band41	5MHz	16QAM	40740	1RB#24	19.55	20.55	33.00	PASS
Band41	5MHz	16QAM	40740	12RB#0	18.65	19.65	33.00	PASS
Band41	5MHz	16QAM	40740	12RB#6	18.79	19.79	33.00	PASS
Band41	5MHz	16QAM	40740	12RB#13	18.60	19.6	33.00	PASS
Band41	5MHz	16QAM	40740	25RB#0	18.69	19.69	33.00	PASS
Band41	5MHz	64QAM	40740	1RB#0	18.50	19.5	33.00	PASS
Band41	5MHz	64QAM	40740	1RB#12	18.32	19.32	33.00	PASS
Band41	5MHz	64QAM	40740	1RB#24	18.49	19.49	33.00	PASS
Band41	5MHz	64QAM	40740	12RB#0	17.69	18.69	33.00	PASS
Band41	5MHz	64QAM	40740	12RB#6	17.70	18.7	33.00	PASS
Band41	5MHz	64QAM	40740	12RB#13	17.62	18.62	33.00	PASS
Band41	5MHz	64QAM	40740	25RB#0	17.58	18.58	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#0	20.61	21.61	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#12	20.53	21.53	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	20.68	21.68	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#0	19.50	20.5	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#6	19.51	20.51	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#13	19.66	20.66	33.00	PASS
Band41	5MHz	QPSK	41215	25RB#0	19.50	20.5	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#0	19.45	20.45	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	19.49	20.49	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#24	19.46	20.46	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	18.60	19.6	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#6	18.82	19.82	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#13	18.60	19.6	33.00	PASS
Band41	5MHz	16QAM	41215	25RB#0	18.70	19.7	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#0	18.48	19.48	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#12	18.39	19.39	33.00	PASS

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Band41	5MHz	64QAM	41215	1RB#24	18.42	19.42	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#0	17.68	18.68	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#6	17.59	18.59	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#13	17.58	18.58	33.00	PASS
Band41	5MHz	64QAM	41215	25RB#0	17.56	18.56	33.00	PASS
Band41	10MHz	QPSK	40290	1RB#0	20.65	21.65	33.00	PASS
Band41	10MHz	QPSK	40290	1RB#24	20.51	21.51	33.00	PASS
Band41	10MHz	QPSK	40290	1RB#49	20.58	21.58	33.00	PASS
Band41	10MHz	QPSK	40290	25RB#0	19.56	20.56	33.00	PASS
Band41	10MHz	QPSK	40290	25RB#12	19.47	20.47	33.00	PASS
Band41	10MHz	QPSK	40290	25RB#25	19.40	20.4	33.00	PASS
Band41	10MHz	QPSK	40290	50RB#0	19.43	20.43	33.00	PASS
Band41	10MHz	16QAM	40290	1RB#0	19.71	20.71	33.00	PASS
Band41	10MHz	16QAM	40290	1RB#24	19.66	20.66	33.00	PASS
Band41	10MHz	16QAM	40290	1RB#49	19.75	20.75	33.00	PASS
Band41	10MHz	16QAM	40290	25RB#0	18.77	19.77	33.00	PASS
Band41	10MHz	16QAM	40290	25RB#12	18.70	19.7	33.00	PASS
Band41	10MHz	16QAM	40290	25RB#25	18.64	19.64	33.00	PASS
Band41	10MHz	16QAM	40290	50RB#0	18.67	19.67	33.00	PASS
Band41	10MHz	64QAM	40290	1RB#0	18.51	19.51	33.00	PASS
Band41	10MHz	64QAM	40290	1RB#24	18.35	19.35	33.00	PASS
Band41	10MHz	64QAM	40290	1RB#49	18.46	19.46	33.00	PASS
Band41	10MHz	64QAM	40290	25RB#0	17.75	18.75	33.00	PASS
Band41	10MHz	64QAM	40290	25RB#12	17.61	18.61	33.00	PASS
Band41	10MHz	64QAM	40290	25RB#25	17.66	18.66	33.00	PASS
Band41	10MHz	64QAM	40290	50RB#0	17.65	18.65	33.00	PASS
Band41	10MHz	QPSK	40740	1RB#0	20.59	21.59	33.00	PASS
Band41	10MHz	QPSK	40740	1RB#24	20.49	21.49	33.00	PASS
Band41	10MHz	QPSK	40740	1RB#49	20.63	21.63	33.00	PASS
Band41	10MHz	QPSK	40740	25RB#0	19.65	20.65	33.00	PASS
Band41	10MHz	QPSK	40740	25RB#12	19.50	20.5	33.00	PASS
Band41	10MHz	QPSK	40740	25RB#25	19.53	20.53	33.00	PASS

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Band41	10MHz	16QAM	40740	1RB#0	19.49	20.49	33.00	PASS
Band41	10MHz	16QAM	40740	1RB#24	19.60	20.6	33.00	PASS
Band41	10MHz	16QAM	40740	1RB#49	19.63	20.63	33.00	PASS
Band41	10MHz	16QAM	40740	25RB#0	18.65	19.65	33.00	PASS
Band41	10MHz	16QAM	40740	25RB#12	18.71	19.71	33.00	PASS
Band41	10MHz	16QAM	40740	25RB#25	18.54	19.54	33.00	PASS
Band41	10MHz	16QAM	40740	50RB#0	18.67	19.67	33.00	PASS
Band41	10MHz	64QAM	40740	1RB#0	18.47	19.47	33.00	PASS
Band41	10MHz	64QAM	40740	1RB#24	18.26	19.26	33.00	PASS
Band41	10MHz	64QAM	40740	1RB#49	18.59	19.59	33.00	PASS
Band41	10MHz	64QAM	40740	25RB#0	17.73	18.73	33.00	PASS
Band41	10MHz	64QAM	40740	25RB#12	17.66	18.66	33.00	PASS
Band41	10MHz	64QAM	40740	25RB#25	17.62	18.62	33.00	PASS
Band41	10MHz	64QAM	40740	50RB#0	17.64	18.64	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	20.63	21.63	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#24	20.62	21.62	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#49	20.70	21.7	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#0	19.46	20.46	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#12	19.57	20.57	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#25	19.68	20.68	33.00	PASS
Band41	10MHz	QPSK	41190	50RB#0	19.57	20.57	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#0	19.56	20.56	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#24	19.46	20.46	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#49	19.52	20.52	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#0	18.58	19.58	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#12	18.70	19.7	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#25	18.65	19.65	33.00	PASS
Band41	10MHz	16QAM	41190	50RB#0	18.65	19.65	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#0	18.47	19.47	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#24	18.50	19.5	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#49	18.40	19.4	33.00	PASS

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Band41	10MHz	64QAM	41190	25RB#0	17.70	18.7	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#12	17.53	18.53	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#25	17.66	18.66	33.00	PASS
Band41	10MHz	64QAM	41190	50RB#0	17.54	18.54	33.00	PASS
Band41	15MHz	QPSK	40315	1RB#0	20.63	21.63	33.00	PASS
Band41	15MHz	QPSK	40315	1RB#38	20.63	21.63	33.00	PASS
Band41	15MHz	QPSK	40315	1RB#74	20.61	21.61	33.00	PASS
Band41	15MHz	QPSK	40315	38RB#0	19.51	20.51	33.00	PASS
Band41	15MHz	QPSK	40315	38RB#18	19.45	20.45	33.00	PASS
Band41	15MHz	QPSK	40315	38RB#37	19.42	20.42	33.00	PASS
Band41	15MHz	QPSK	40315	75RB#0	19.41	20.41	33.00	PASS
Band41	15MHz	16QAM	40315	1RB#0	19.69	20.69	33.00	PASS
Band41	15MHz	16QAM	40315	1RB#38	19.55	20.55	33.00	PASS
Band41	15MHz	16QAM	40315	1RB#74	19.65	20.65	33.00	PASS
Band41	15MHz	16QAM	40315	38RB#0	18.69	19.69	33.00	PASS
Band41	15MHz	16QAM	40315	38RB#18	18.61	19.61	33.00	PASS
Band41	15MHz	16QAM	40315	38RB#37	18.64	19.64	33.00	PASS
Band41	15MHz	16QAM	40315	75RB#0	18.58	19.58	33.00	PASS
Band41	15MHz	64QAM	40315	1RB#0	18.42	19.42	33.00	PASS
Band41	15MHz	64QAM	40315	1RB#38	18.35	19.35	33.00	PASS
Band41	15MHz	64QAM	40315	1RB#74	18.50	19.5	33.00	PASS
Band41	15MHz	64QAM	40315	38RB#0	17.80	18.8	33.00	PASS
Band41	15MHz	64QAM	40315	38RB#18	17.59	18.59	33.00	PASS
Band41	15MHz	64QAM	40315	38RB#37	17.70	18.7	33.00	PASS
Band41	15MHz	64QAM	40315	75RB#0	17.59	18.59	33.00	PASS
Band41	15MHz	QPSK	40740	1RB#0	20.66	21.66	33.00	PASS
Band41	15MHz	QPSK	40740	1RB#38	20.54	21.54	33.00	PASS
Band41	15MHz	QPSK	40740	1RB#74	20.57	21.57	33.00	PASS
Band41	15MHz	QPSK	40740	38RB#0	19.56	20.56	33.00	PASS
Band41	15MHz	QPSK	40740	38RB#18	19.55	20.55	33.00	PASS
Band41	15MHz	QPSK	40740	38RB#37	19.47	20.47	33.00	PASS
Band41	15MHz	QPSK	40740	75RB#0	19.59	20.59	33.00	PASS

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Band41	15MHz	16QAM	40740	1RB#38	19.55	20.55	33.00	PASS
Band41	15MHz	16QAM	40740	1RB#74	19.54	20.54	33.00	PASS
Band41	15MHz	16QAM	40740	38RB#0	18.68	19.68	33.00	PASS
Band41	15MHz	16QAM	40740	38RB#18	18.74	19.74	33.00	PASS
Band41	15MHz	16QAM	40740	38RB#37	18.48	19.48	33.00	PASS
Band41	15MHz	16QAM	40740	75RB#0	18.71	19.71	33.00	PASS
Band41	15MHz	64QAM	40740	1RB#0	18.49	19.49	33.00	PASS
Band41	15MHz	64QAM	40740	1RB#38	18.35	19.35	33.00	PASS
Band41	15MHz	64QAM	40740	1RB#74	18.51	19.51	33.00	PASS
Band41	15MHz	64QAM	40740	38RB#0	17.72	18.72	33.00	PASS
Band41	15MHz	64QAM	40740	38RB#18	17.71	18.71	33.00	PASS
Band41	15MHz	64QAM	40740	38RB#37	17.62	18.62	33.00	PASS
Band41	15MHz	64QAM	40740	75RB#0	17.55	18.55	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#0	20.71	21.71	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#38	20.57	21.57	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#74	20.68	21.68	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#0	19.47	20.47	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#18	19.60	20.6	33.00	PASS
Band41	15MHz	QPSK	41165	38RB#37	19.63	20.63	33.00	PASS
Band41	15MHz	QPSK	41165	75RB#0	19.45	20.45	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	19.52	20.52	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#38	19.51	20.51	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#74	19.57	20.57	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#0	18.51	19.51	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#18	18.74	19.74	33.00	PASS
Band41	15MHz	16QAM	41165	38RB#37	18.60	19.6	33.00	PASS
Band41	15MHz	16QAM	41165	75RB#0	18.60	19.6	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#0	18.53	19.53	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#38	18.38	19.38	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#74	18.45	19.45	33.00	PASS
Band41	15MHz	64QAM	41165	38RB#0	17.64	18.64	33.00	PASS

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Band41	15MHz	64QAM	41165	38RB#18	17.56	18.56	33.00	PASS
Band41	15MHz	64QAM	41165	38RB#37	17.66	18.66	33.00	PASS
Band41	15MHz	64QAM	41165	75RB#0	17.67	18.67	33.00	PASS
Band41	20MHz	QPSK	40340	1RB#0	20.56	21.56	33.00	PASS
Band41	20MHz	QPSK	40340	1RB#49	20.50	21.5	33.00	PASS
Band41	20MHz	QPSK	40340	1RB#99	20.60	21.6	33.00	PASS
Band41	20MHz	QPSK	40340	50RB#0	19.56	20.56	33.00	PASS
Band41	20MHz	QPSK	40340	50RB#25	19.49	20.49	33.00	PASS
Band41	20MHz	QPSK	40340	50RB#50	19.51	20.51	33.00	PASS
Band41	20MHz	QPSK	40340	100RB#0	19.42	20.42	33.00	PASS
Band41	20MHz	16QAM	40340	1RB#0	19.66	20.66	33.00	PASS
Band41	20MHz	16QAM	40340	1RB#49	19.57	20.57	33.00	PASS
Band41	20MHz	16QAM	40340	1RB#99	19.62	20.62	33.00	PASS
Band41	20MHz	16QAM	40340	50RB#0	18.75	19.75	33.00	PASS
Band41	20MHz	16QAM	40340	50RB#25	18.70	19.7	33.00	PASS
Band41	20MHz	16QAM	40340	50RB#50	18.74	19.74	33.00	PASS
Band41	20MHz	16QAM	40340	100RB#0	18.66	19.66	33.00	PASS
Band41	20MHz	64QAM	40340	1RB#0	18.43	19.43	33.00	PASS
Band41	20MHz	64QAM	40340	1RB#49	18.35	19.35	33.00	PASS
Band41	20MHz	64QAM	40340	1RB#99	18.49	19.49	33.00	PASS
Band41	20MHz	64QAM	40340	50RB#0	17.76	18.76	33.00	PASS
Band41	20MHz	64QAM	40340	50RB#25	17.60	18.6	33.00	PASS
Band41	20MHz	64QAM	40340	50RB#50	17.76	18.76	33.00	PASS
Band41	20MHz	64QAM	40340	100RB#0	17.56	18.56	33.00	PASS
Band41	20MHz	QPSK	40740	1RB#0	20.74	21.74	33.00	PASS
Band41	20MHz	QPSK	40740	1RB#49	20.53	21.53	33.00	PASS
Band41	20MHz	QPSK	40740	1RB#99	20.67	21.67	33.00	PASS
Band41	20MHz	QPSK	40740	50RB#0	19.68	20.68	33.00	PASS
Band41	20MHz	QPSK	40740	50RB#25	19.70	20.7	33.00	PASS
Band41	20MHz	QPSK	40740	50RB#50	19.53	20.53	33.00	PASS
Band41	20MHz	QPSK	40740	100RB#0	19.53	20.53	33.00	PASS
Band41	20MHz	16QAM	40740	1RB#0	19.55	20.55	33.00	PASS

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Band41	20MHz	16QAM	40740	1RB#49	19.68	20.68	33.00	PASS
Band41	20MHz	16QAM	40740	1RB#99	19.57	20.57	33.00	PASS
Band41	20MHz	16QAM	40740	50RB#0	18.76	19.76	33.00	PASS
Band41	20MHz	16QAM	40740	50RB#25	18.66	19.66	33.00	PASS
Band41	20MHz	16QAM	40740	50RB#50	18.49	19.49	33.00	PASS
Band41	20MHz	16QAM	40740	100RB#0	18.60	19.6	33.00	PASS
Band41	20MHz	64QAM	40740	1RB#0	18.50	19.5	33.00	PASS
Band41	20MHz	64QAM	40740	1RB#49	18.31	19.31	33.00	PASS
Band41	20MHz	64QAM	40740	1RB#99	18.44	19.44	33.00	PASS
Band41	20MHz	64QAM	40740	50RB#0	17.81	18.81	33.00	PASS
Band41	20MHz	64QAM	40740	50RB#25	17.68	18.68	33.00	PASS
Band41	20MHz	64QAM	40740	50RB#50	17.64	18.64	33.00	PASS
Band41	20MHz	64QAM	40740	100RB#0	17.58	18.58	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#0	20.60	21.6	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#49	20.61	21.61	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#99	20.62	21.62	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#0	19.58	20.58	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#25	19.62	20.62	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#50	19.55	20.55	33.00	PASS
Band41	20MHz	QPSK	41140	100RB#0	19.57	20.57	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#0	19.48	20.48	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#49	19.37	20.37	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#99	19.55	20.55	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#0	18.55	19.55	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#25	18.76	19.76	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#50	18.61	19.61	33.00	PASS
Band41	20MHz	16QAM	41140	100RB#0	18.55	19.55	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#0	18.47	19.47	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#49	18.33	19.33	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#99	18.44	19.44	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#0	17.72	18.72	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#25	17.51	18.51	33.00	PASS

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Band41	20MHz	64QAM	41140	50RB#50	17.71	18.71	33.00	PASS
Band41	20MHz	64QAM	41140	100RB#0	17.64	18.64	33.00	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40340	100RB#0	7.80	13	PASS
Band41	20MHz	QPSK	40740	100RB#0	7.92	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	7.60	13	PASS
Band41	20MHz	16QAM	40340	100RB#0	8.36	13	PASS
Band41	20MHz	16QAM	40740	100RB#0	8.56	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	8.48	13	PASS
Band41	20MHz	64QAM	40340	100RB#0	8.82	13	PASS
Band41	20MHz	64QAM	40740	100RB#0	8.74	13	PASS
Band41	20MHz	64QAM	41140	100RB#0	8.74	13	PASS

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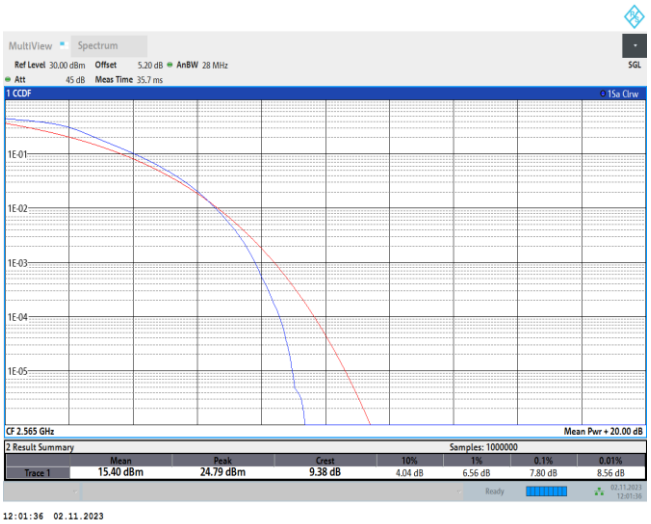
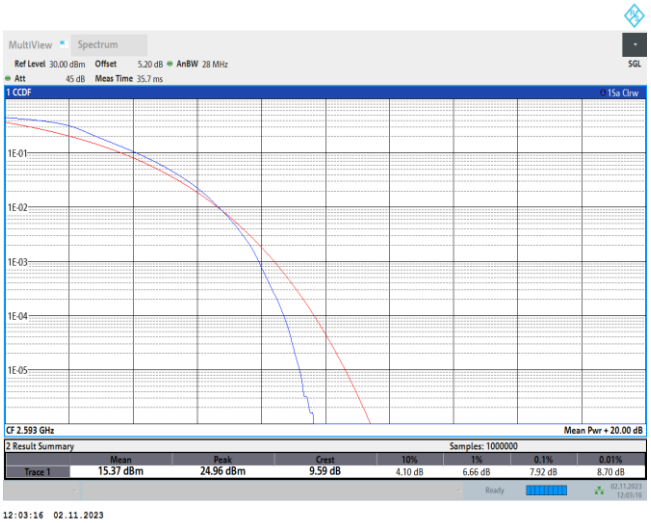
Test Graphs

Band41-20MHz-QPSK-40340-100RB#0


Band41-20MHz-QPSK-40740-100RB#0


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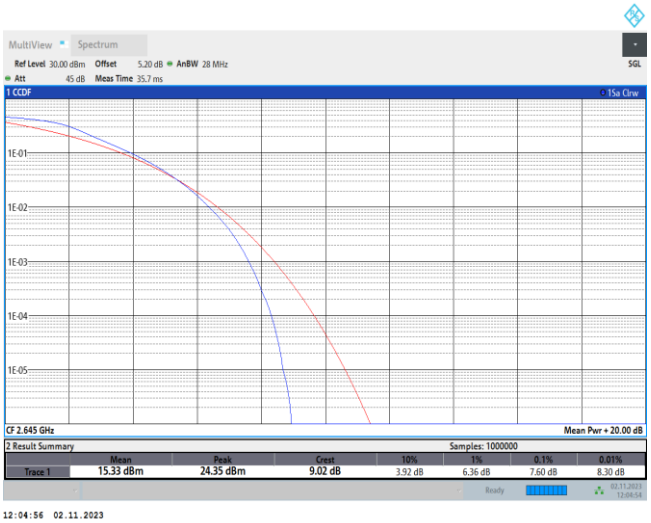
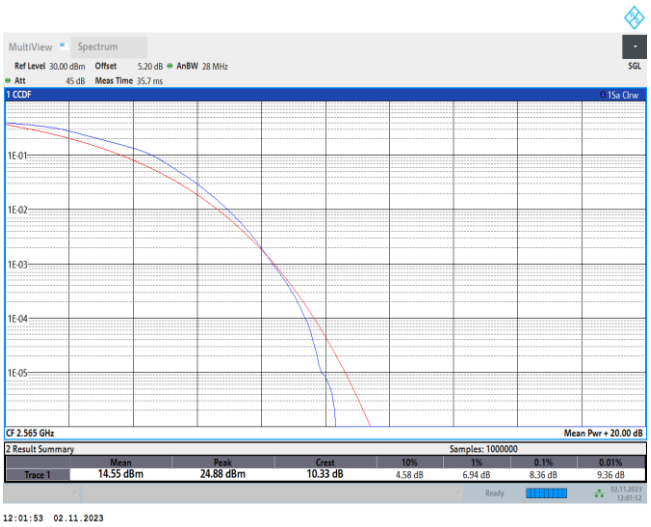
Band41-20MHz-QPSK-41140-100RB#0



Band41-20MHz-16QAM-40340-100RB#0



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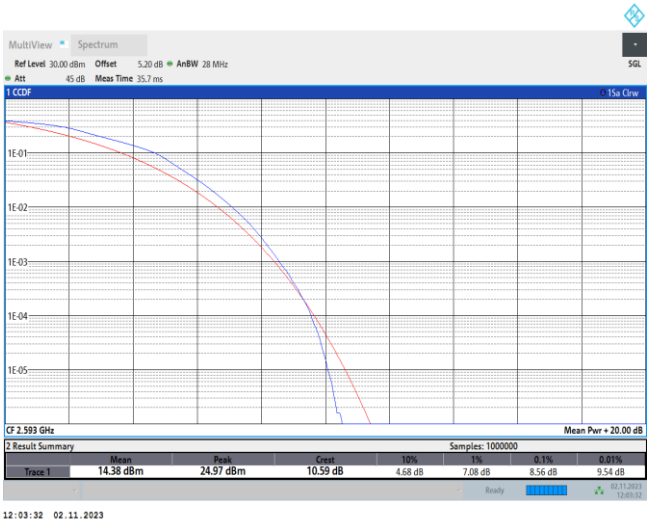
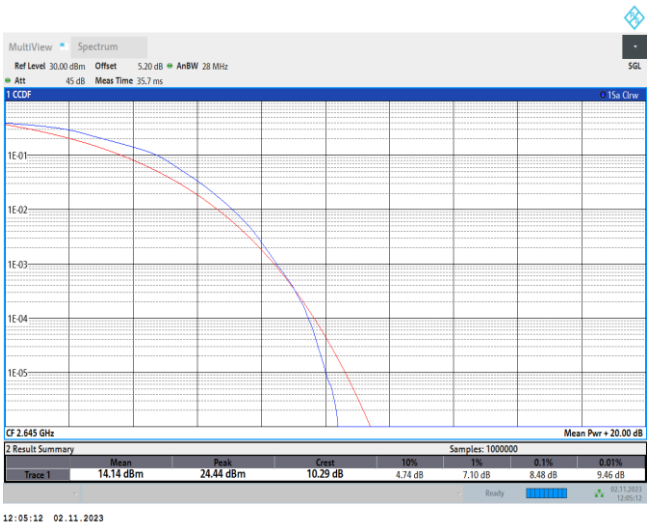
Band41-20MHz-16QAM-40740-100RB#0



Band41-20MHz-16QAM-41140-100RB#0



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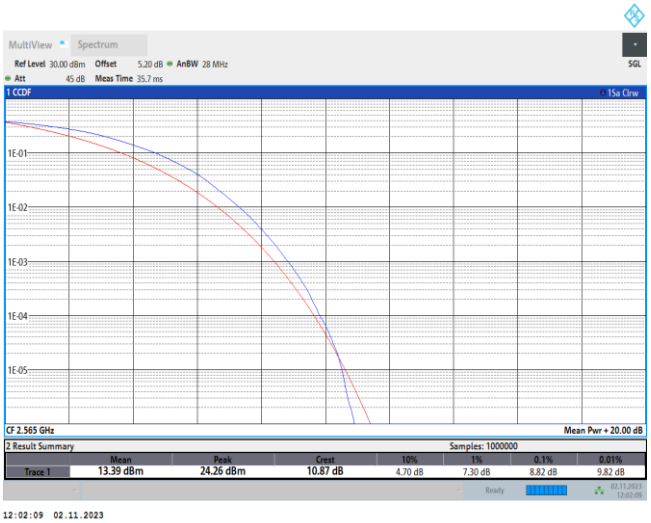
Band41-20MHz-64QAM-40340-100RB#0



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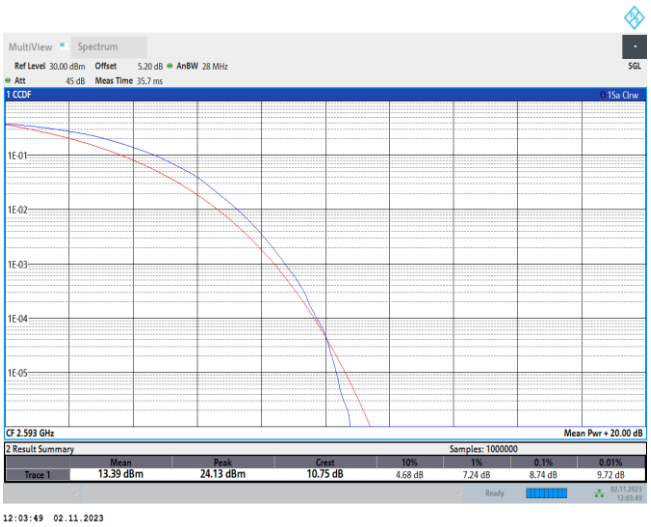

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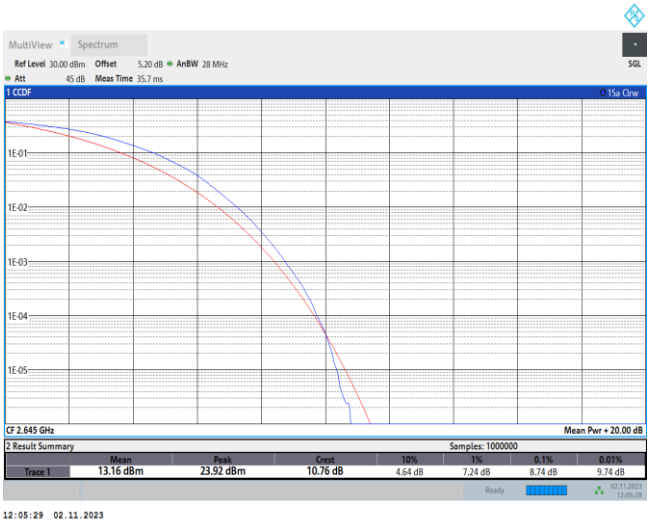
Band41-20MHz-64QAM-41140-100RB#0


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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40740	25RB#0	4.473	4.80	PASS
Band41	5MHz	16QAM	40740	25RB#0	4.466	4.97	PASS
Band41	5MHz	64QAM	40740	25RB#0	4.456	4.84	PASS
Band41	10MHz	QPSK	40740	50RB#0	8.922	9.60	PASS
Band41	10MHz	16QAM	40740	50RB#0	8.925	9.80	PASS
Band41	10MHz	64QAM	40740	50RB#0	8.93	9.74	PASS
Band41	15MHz	QPSK	40740	75RB#0	13.494	15.66	PASS
Band41	15MHz	16QAM	40740	75RB#0	13.467	16.32	PASS
Band41	15MHz	64QAM	40740	75RB#0	13.471	15.63	PASS
Band41	20MHz	QPSK	40740	100RB#0	17.928	20.16	PASS
Band41	20MHz	16QAM	40740	100RB#0	17.888	19.44	PASS
Band41	20MHz	64QAM	40740	100RB#0	17.89	19.56	PASS

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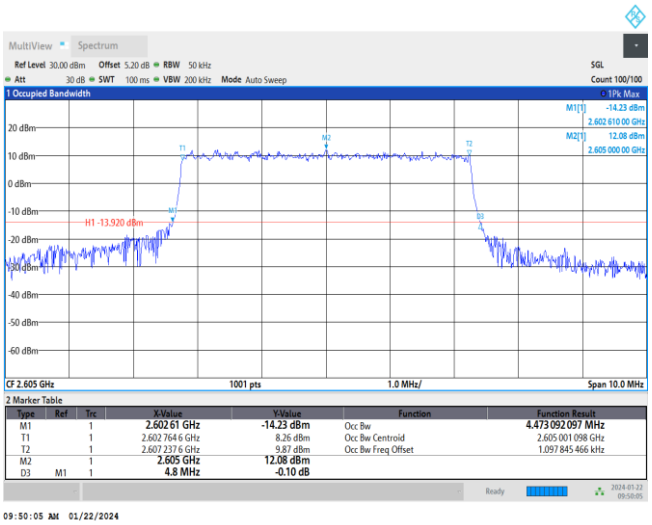
Test Graphs

Band41-5MHz-QPSK-40740-25RB#0



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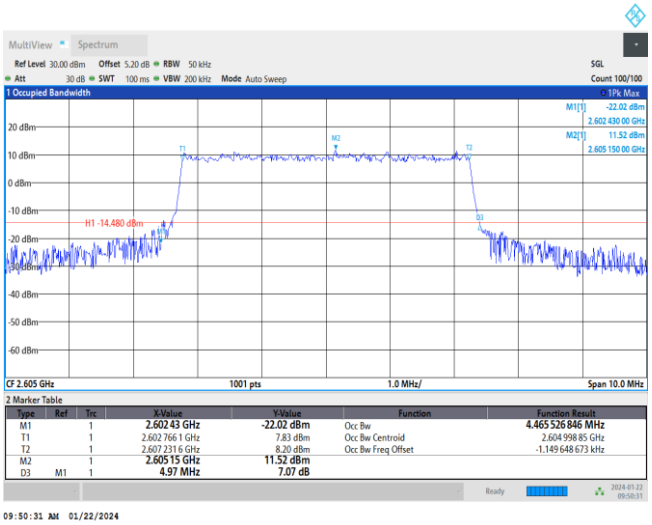

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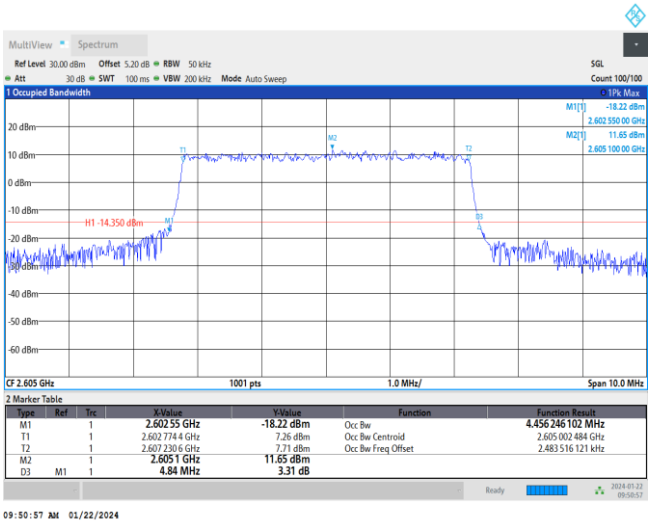
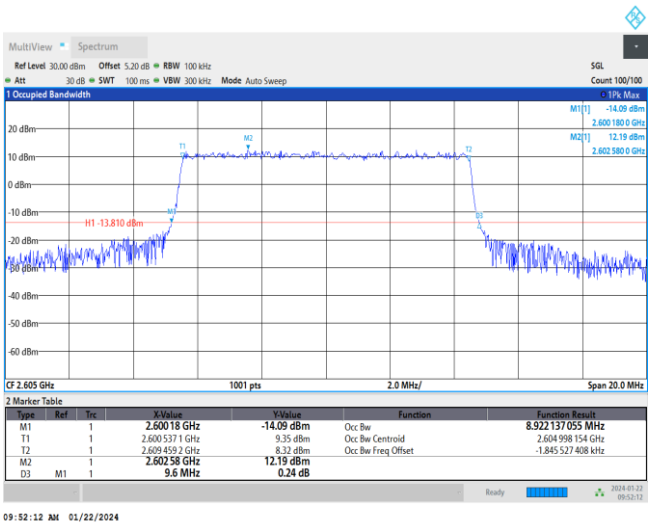
Band41-5MHz-64QAM-40740-25RB#0



Band41-10MHz-QPSK-40740-50RB#0



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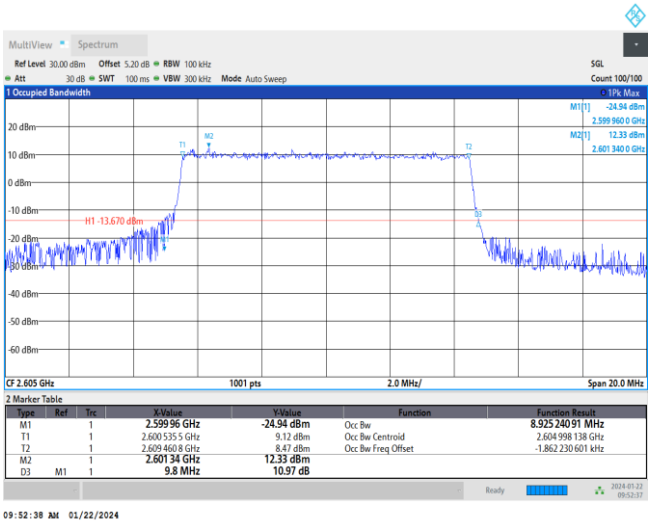
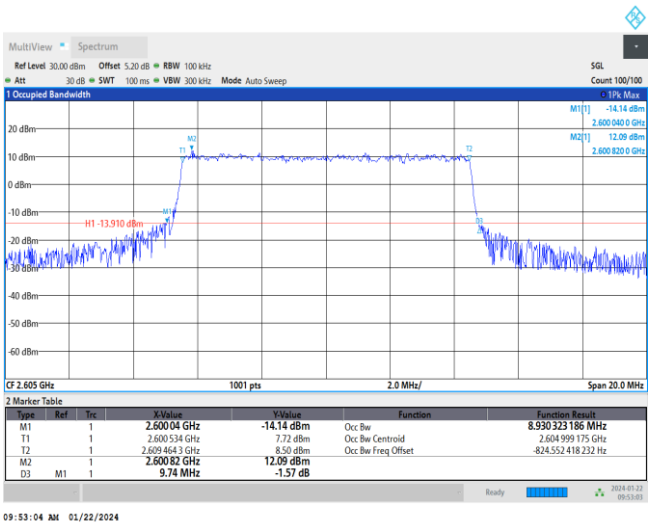
Band41-10MHz-16QAM-40740-50RB#0



Band41-10MHz-64QAM-40740-50RB#0



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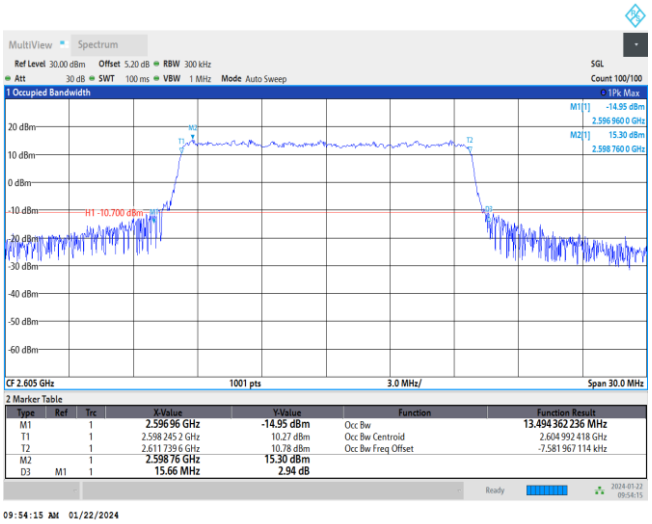
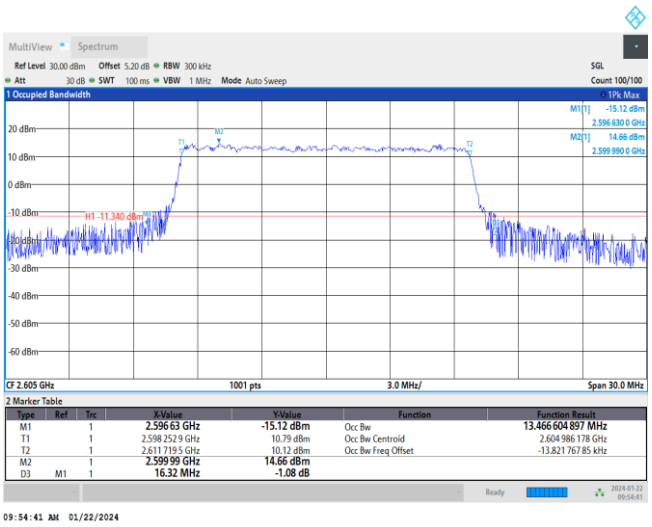
Band41-15MHz-QPSK-40740-75RB#0



Band41-15MHz-16QAM-40740-75RB#0



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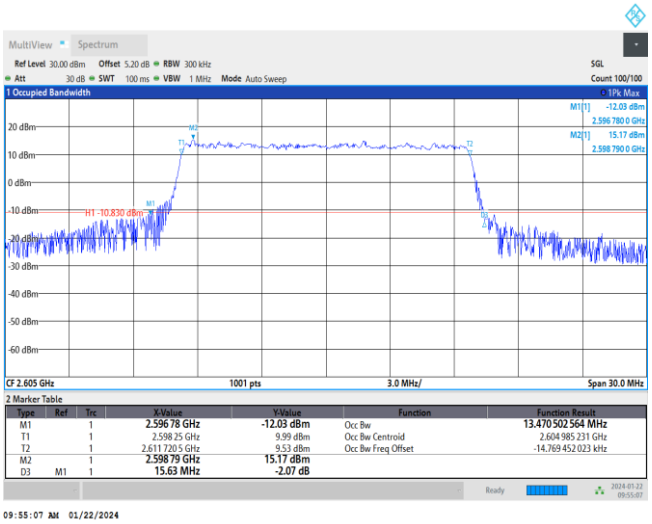
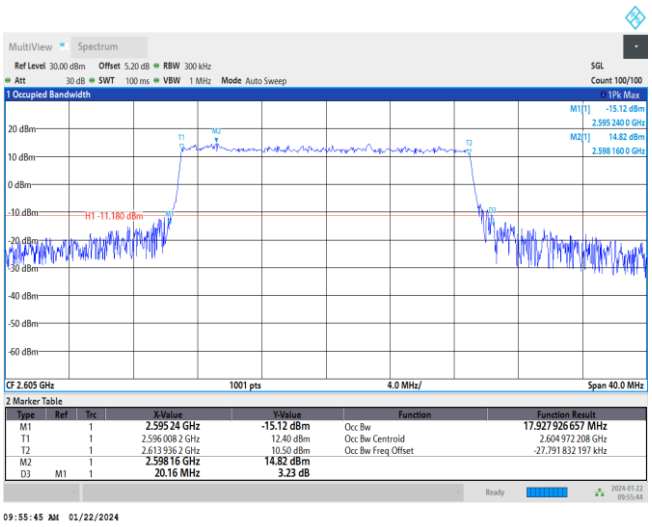
Band41-15MHz-64QAM-40740-75RB#0



Band41-20MHz-QPSK-40740-100RB#0



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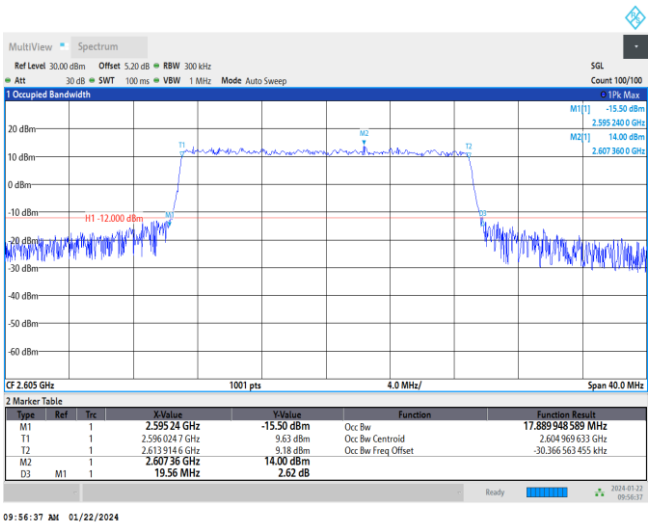
Band41-20MHz-16QAM-40740-100RB#0

Band41-20MHz-64QAM-40740-100RB#0



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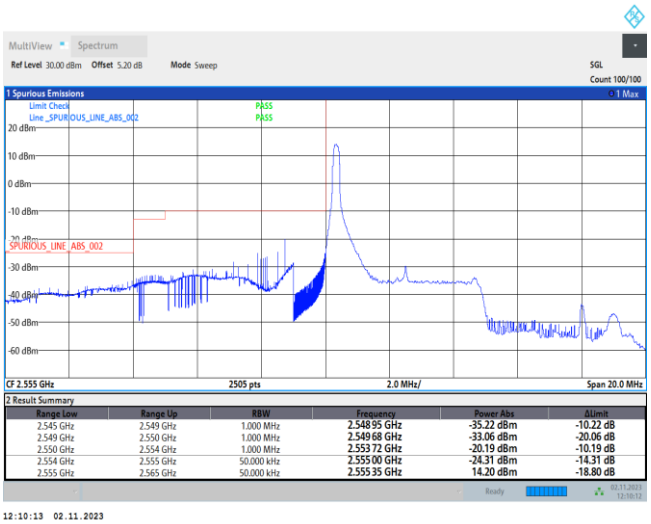
Band Edge

Test Graphs

Band41-5MHz-QPSK-40265-1RB#0



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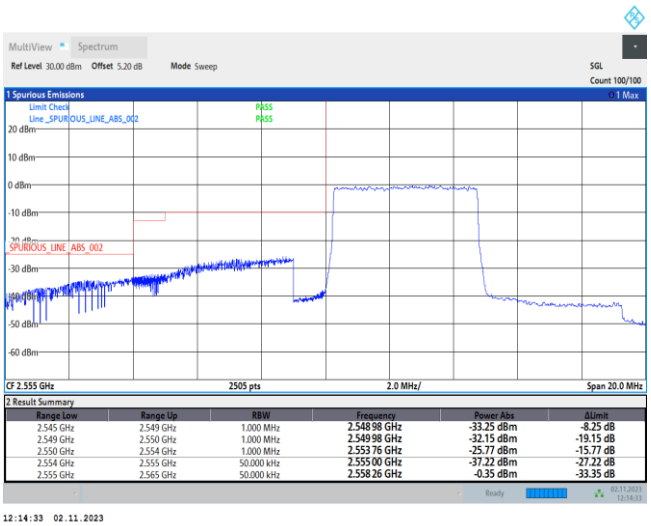

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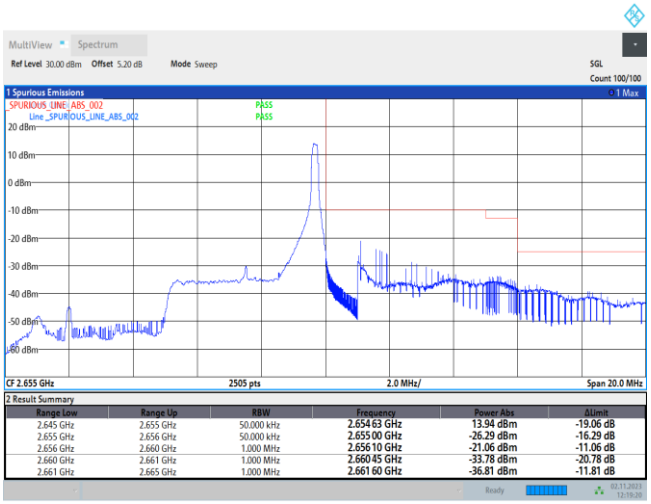
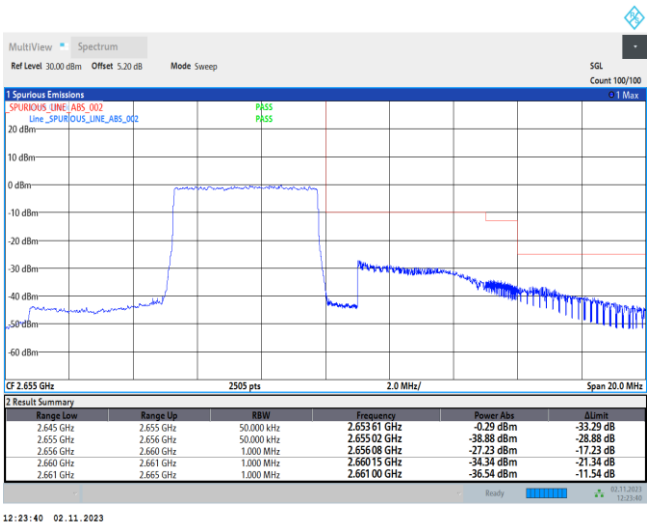
Band41-5MHz-QPSK-41215-1RB#24



Band41-5MHz-QPSK-41215-25RB#0



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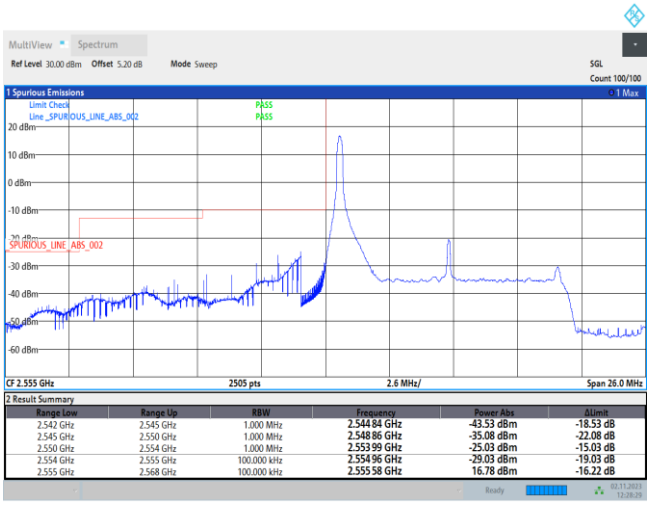
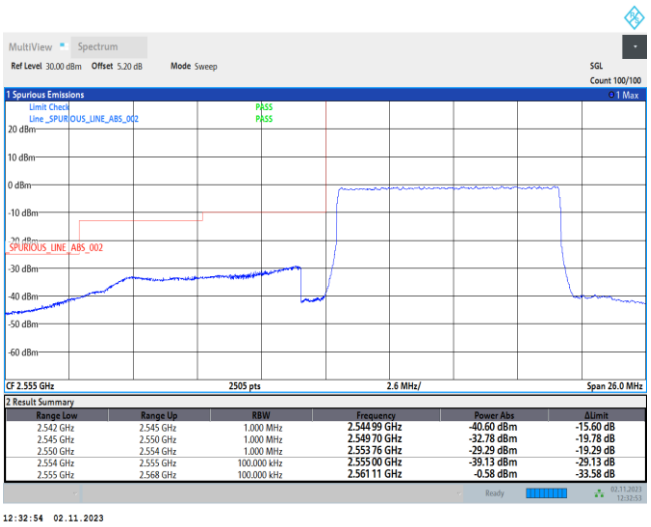
Band41-10MHz-QPSK-40290-1RB#0



Band41-10MHz-QPSK-40290-50RB#0



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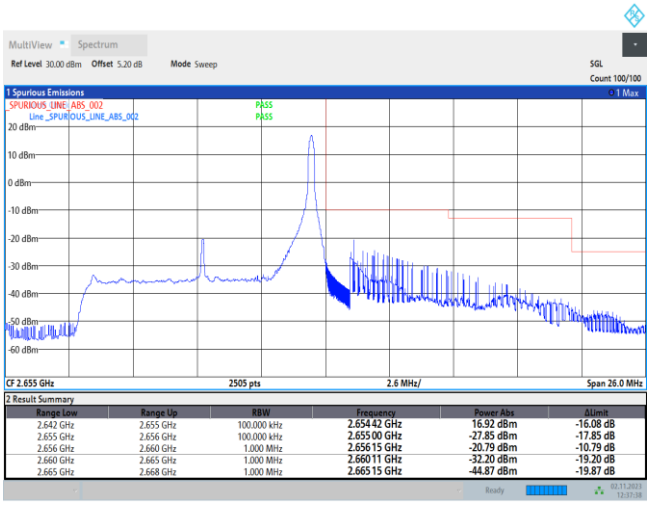
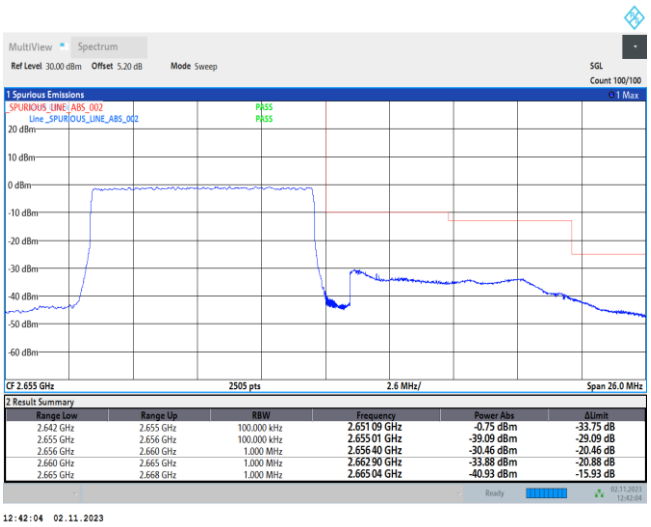
Band41-10MHz-QPSK-41190-1RB#49



Band41-10MHz-QPSK-41190-50RB#0



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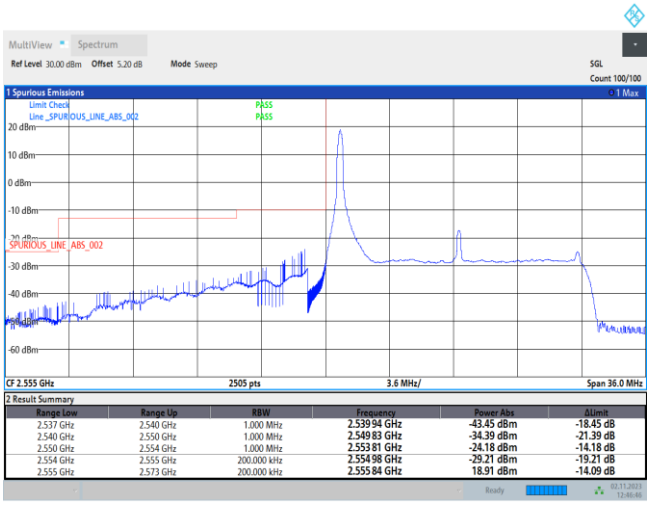
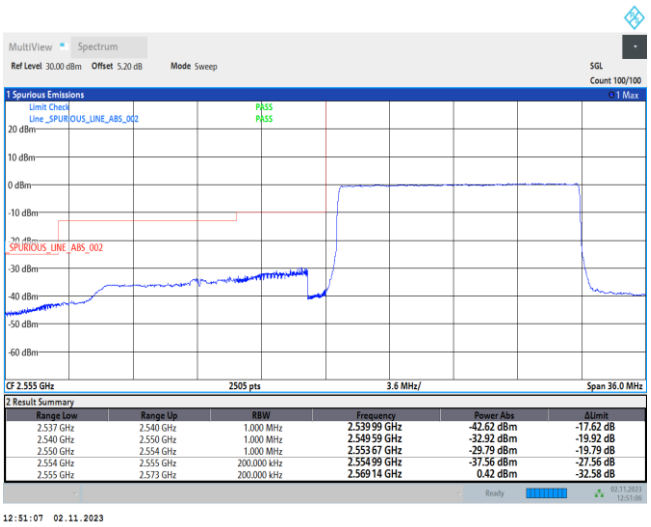
Band41-15MHz-QPSK-40315-1RB#0



Band41-15MHz-QPSK-40315-75RB#0



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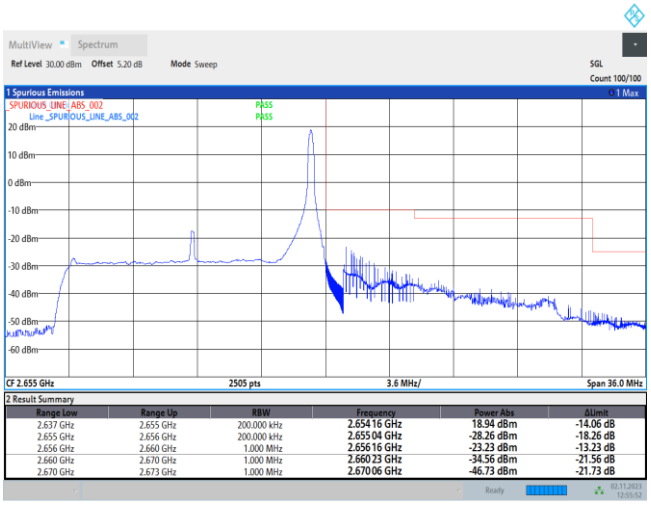
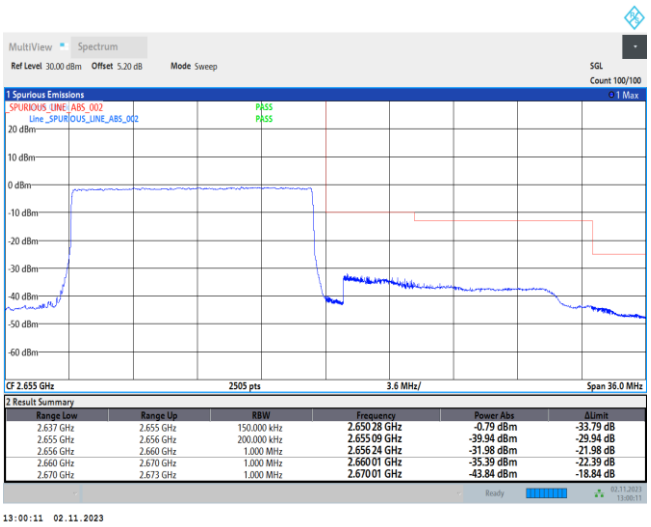
Band41-15MHz-QPSK-41165-1RB#74



Band41-15MHz-QPSK-41165-75RB#0



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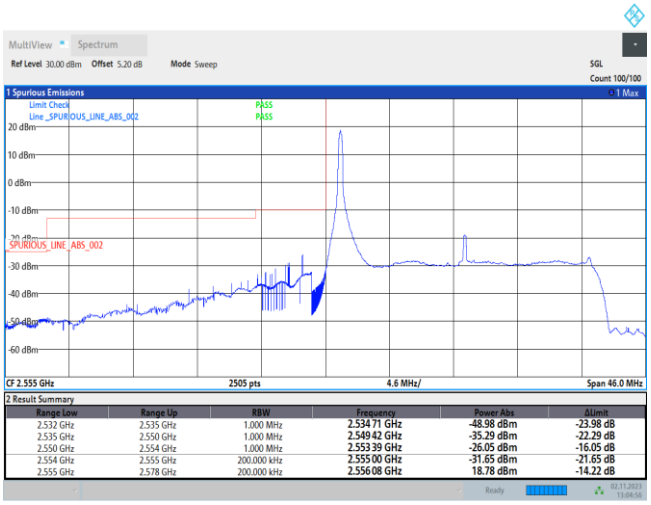
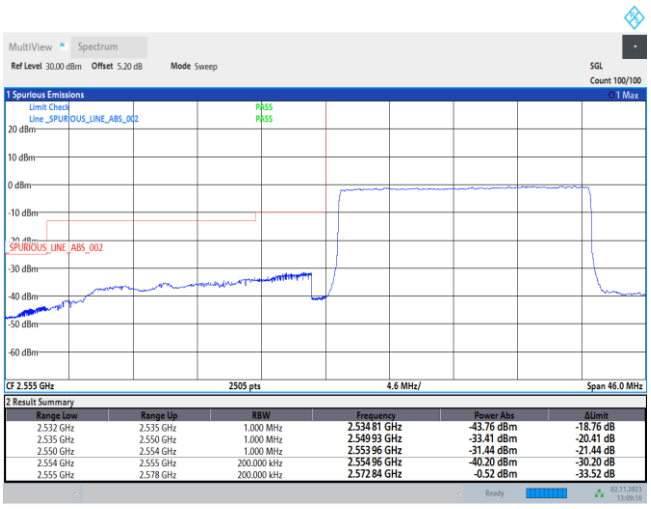
Band41-20MHz-QPSK-40340-1RB#0



Band41-20MHz-QPSK-40340-100RB#0



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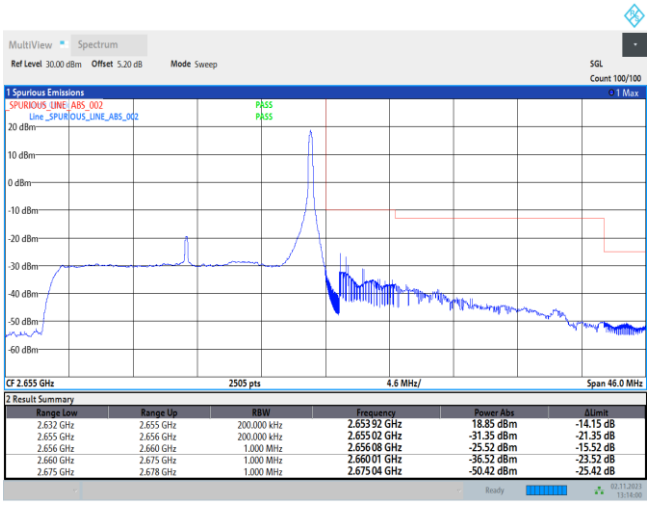
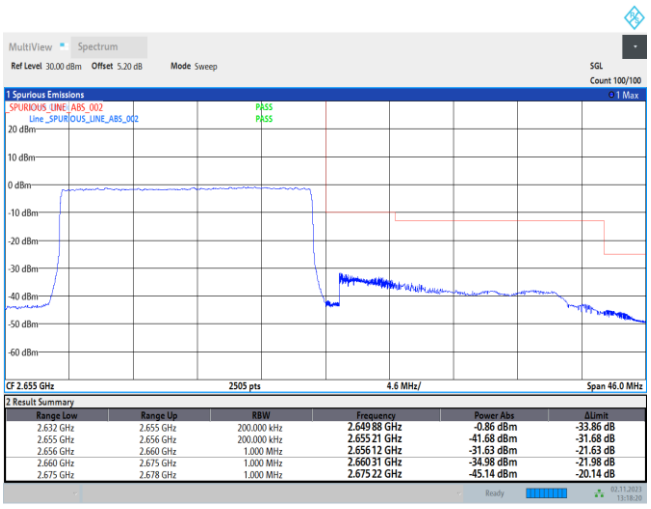
Band41-20MHz-QPSK-41140-1RB#99



Band41-20MHz-QPSK-41140-100RB#0



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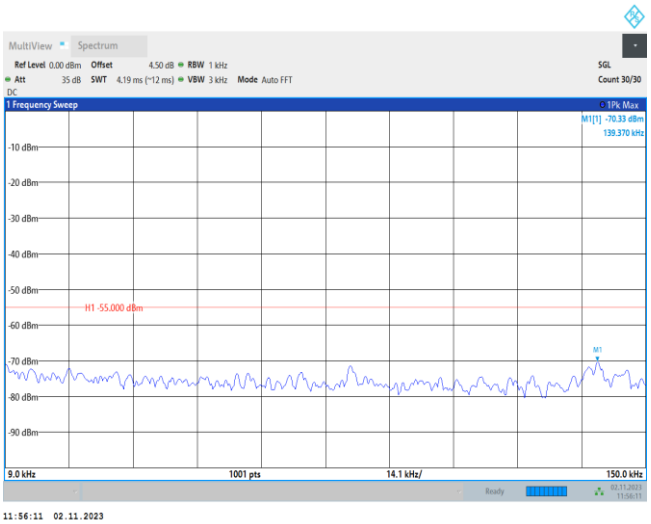
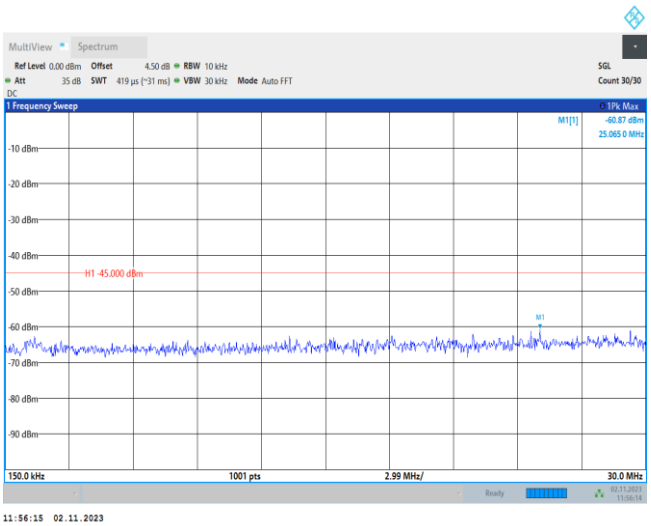
Conducted Spurious Emission

Test Graphs

Band41-20MHz-QPSK-40340-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-40340-1RB#0-Range2:0.15~30MHz



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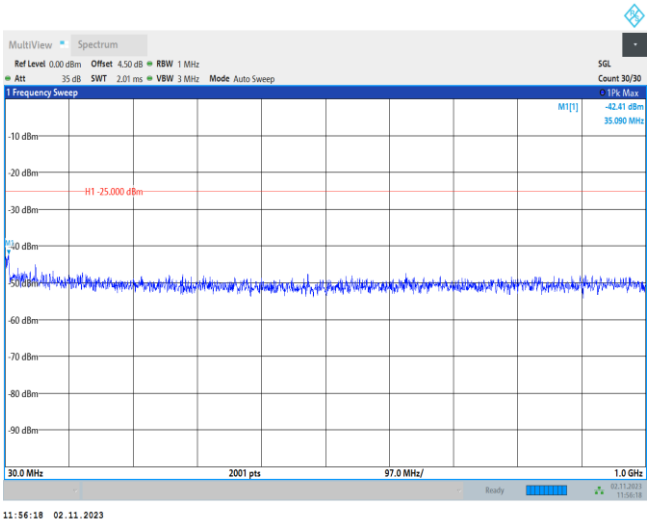
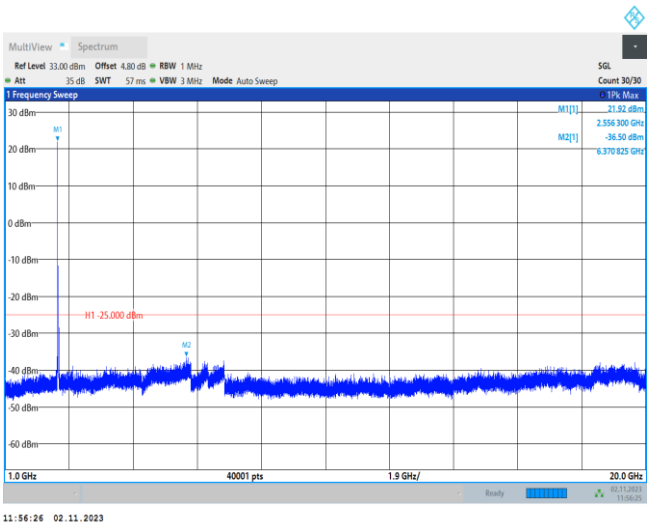
Band41-20MHz-QPSK-40340-1RB#0-Range3:30~1000MHz


Band41-20MHz-QPSK-40340-1RB#0-Range4:1000~20000MHz


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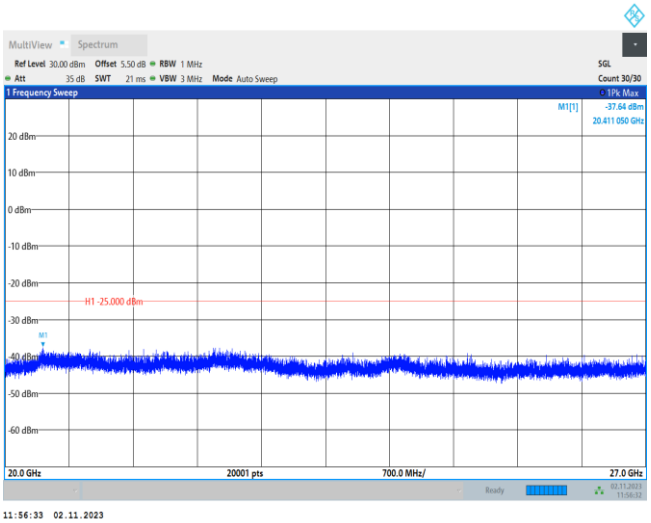
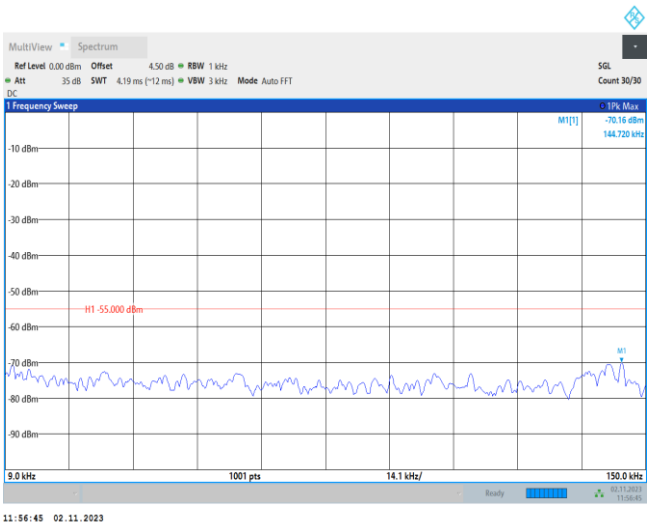
Band41-20MHz-QPSK-40340-1RB#0-Range5:20000~27000MHz



Band41-20MHz-QPSK-40740-1RB#0-Range1:0.009~0.15MHz



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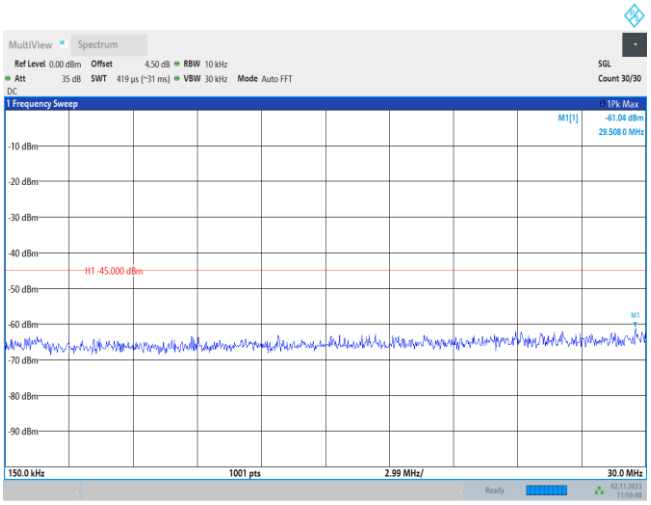
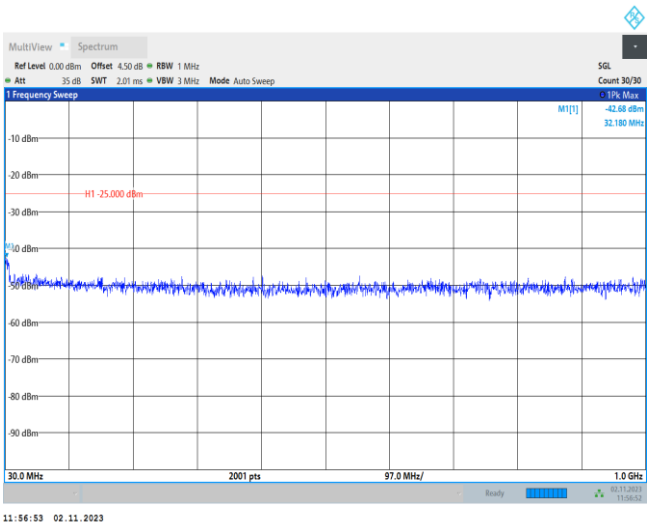
Band41-20MHz-QPSK-40740-1RB#0-Range2:0.15~30MHz



Band41-20MHz-QPSK-40740-1RB#0-Range3:30~1000MHz



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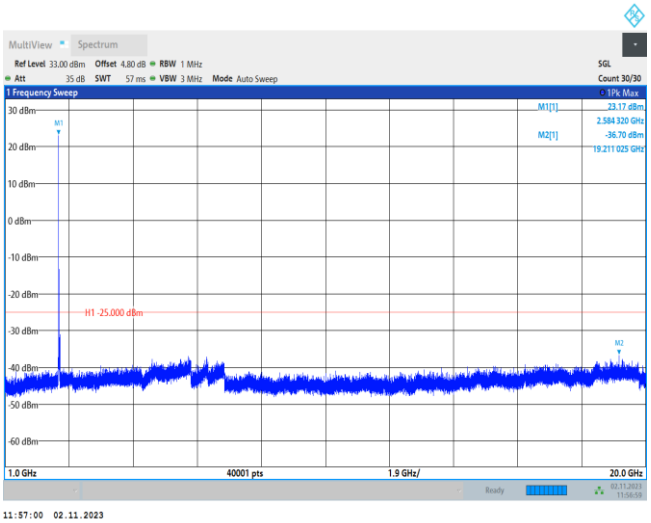
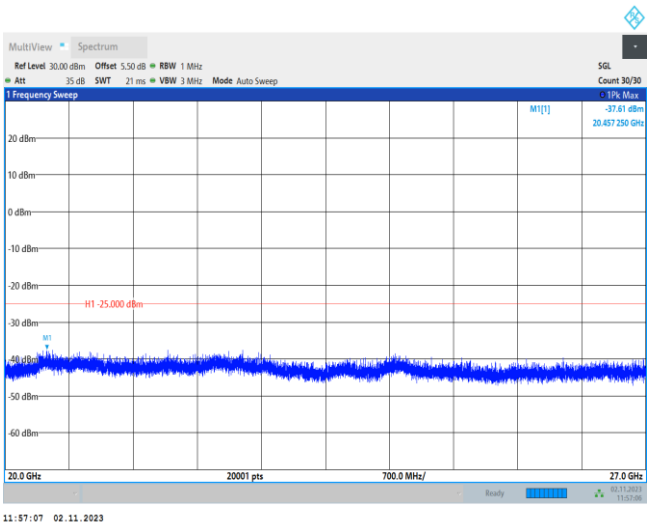
Band41-20MHz-QPSK-40740-1RB#0-Range4:1000~20000MHz



Band41-20MHz-QPSK-40740-1RB#0-Range5:20000~27000MHz



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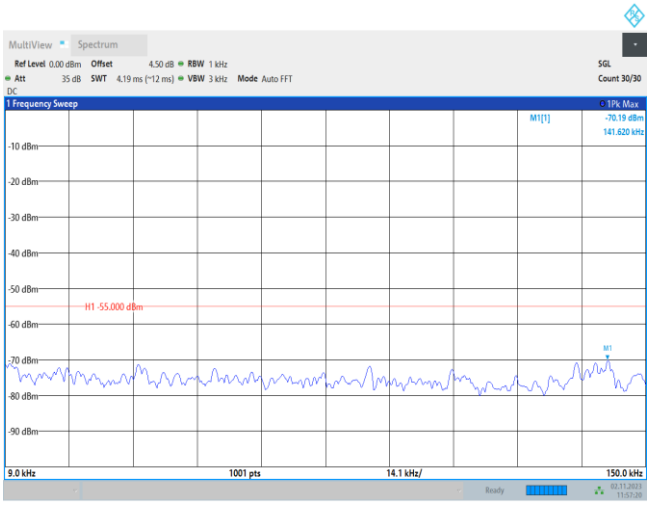
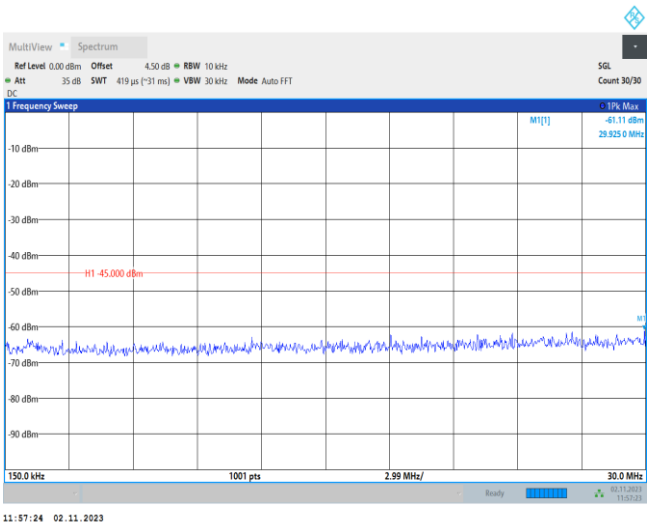
Band41-20MHz-QPSK-41140-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-41140-1RB#0-Range2:0.15~30MHz



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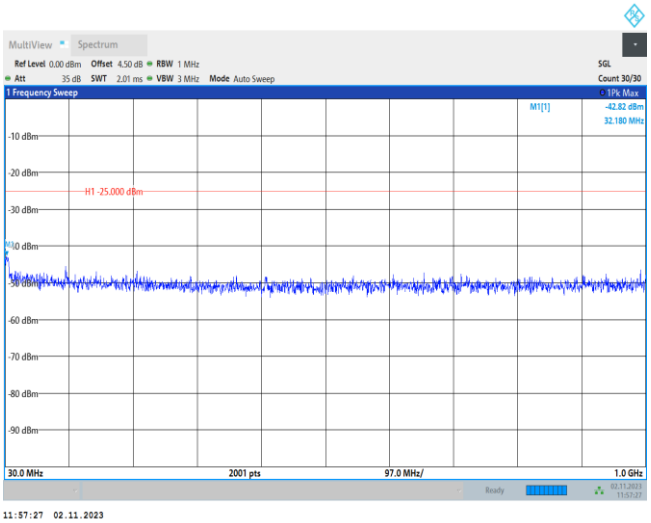
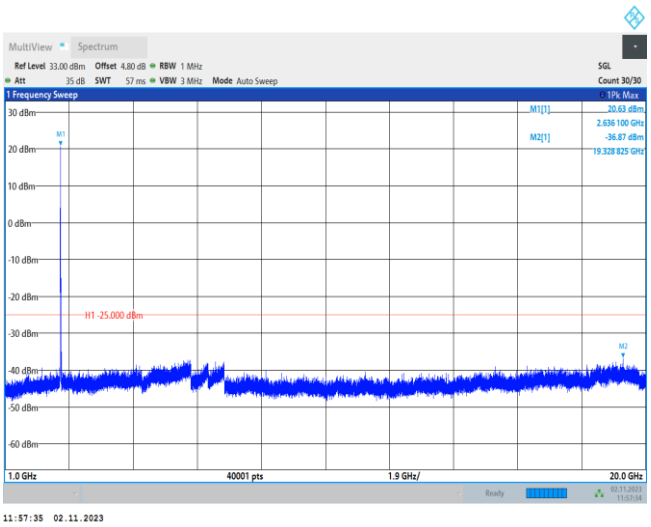
Band41-20MHz-QPSK-41140-1RB#0-Range3:30~1000MHz



Band41-20MHz-QPSK-41140-1RB#0-Range4:1000~20000MHz



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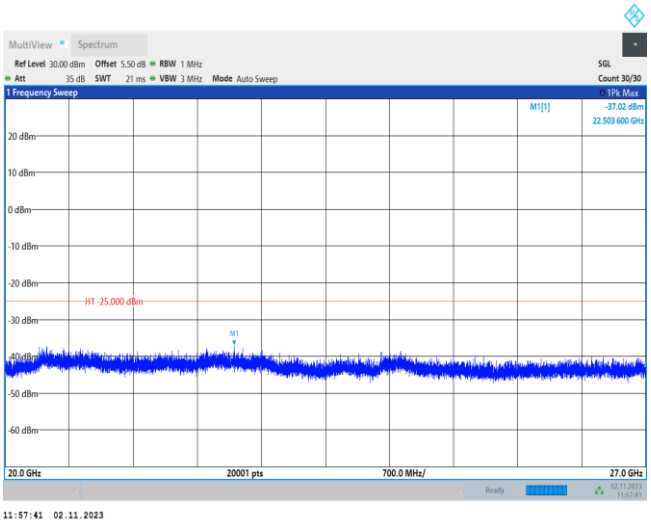
Band41-20MHz-QPSK-41140-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 41_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	43.36	-48.01	31.49	-68.42	-25.00	43.42	Horizontal
2	7491.27	41.13	-46.17	36.78	-63.52	-25.00	38.52	Horizontal
3	9988.36	38.76	-41.75	38.49	-59.76	-25.00	34.76	Horizontal
4	12485.45	36.20	-39.84	38.91	-59.99	-25.00	34.99	Horizontal
5	14982.54	34.61	-37.89	40.11	-58.43	-25.00	33.43	Horizontal
6	17479.63	33.50	-36.93	41.97	-56.72	-25.00	31.72	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	43.16	-48.01	31.49	-68.62	-25.00	43.62	Vertical
2	7491.27	41.29	-46.17	36.78	-63.36	-25.00	38.36	Vertical
3	9988.36	38.80	-41.75	38.49	-59.72	-25.00	34.72	Vertical
4	12485.45	35.97	-39.84	38.91	-60.22	-25.00	35.22	Vertical
5	14982.54	35.60	-37.89	40.11	-57.44	-25.00	32.44	Vertical
6	17479.63	34.24	-36.93	41.97	-55.98	-25.00	30.98	Vertical

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Test Band = LTE Band 41_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5168	71.74	-47.87	31.90	-39.48	-25.00	14.48	Horizontal
2	15504	39.09	-38.05	39.14	-55.08	-25.00	30.08	Horizontal
3	17978	36.09	-36.56	45.16	-50.58	-25.00	25.58	Horizontal
4	7752.27	55.19	-45.05	36.50	-48.63	-25.00	23.63	Horizontal
5	10336.36	56.06	-41.18	38.80	-41.58	-25.00	16.58	Horizontal
6	12920.45	44.73	-39.42	38.65	-51.30	-25.00	26.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	15504.5	38.39	-38.05	39.14	-55.78	-25.00	30.78	Vertical
2	17978	36.93	-36.56	45.16	-49.74	-25.00	24.74	Vertical
3	5168.18	76.56	-47.87	31.90	-34.66	-25.00	9.66	Vertical
4	7752.27	54.47	-45.05	36.50	-49.35	-25.00	24.35	Vertical
5	10336.36	55.02	-41.18	38.80	-42.62	-25.00	17.62	Vertical
6	12920.45	44.65	-39.42	38.65	-51.38	-25.00	26.38	Vertical

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Test Band = LTE Band 41_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5342	69.04	-47.75	32.32	-41.65	-25.00	16.65	Horizontal
2	8013	58.71	-44.36	36.22	-44.69	-25.00	19.69	Horizontal
3	10684	50.97	-41.05	39.12	-46.22	-25.00	21.22	Horizontal
4	17905.5	36.58	-36.45	44.70	-50.43	-25.00	25.43	Horizontal
5	13137.95	35.79	-38.51	38.92	-59.07	-25.00	34.07	Horizontal
6	15765.54	33.69	-38.22	38.64	-61.15	-25.00	36.15	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5342	79.88	-47.75	32.32	-30.81	-25.00	5.81	Vertical
2	8013.5	63.58	-44.36	36.22	-39.83	-25.00	14.83	Vertical
3	10684.5	58.42	-41.05	39.12	-38.77	-25.00	13.77	Vertical
4	13355.5	47.81	-39.13	39.42	-47.17	-25.00	22.17	Vertical
5	16026.5	45.02	-37.95	38.22	-49.97	-25.00	24.97	Vertical
6	17915.5	36.81	-36.46	44.76	-50.16	-25.00	25.16	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 (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40740	100RB#0	VL	NT	-3.80	-0.001465	PASS
Band41	20MHz	QPSK	40740	100RB#0	VN	NT	-3.90	-0.001504	PASS
Band41	20MHz	QPSK	40740	100RB#0	VH	NT	3.40	0.001311	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40740	100RB#0	NV	-30	-2.70	-0.001041	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	-20	-1.70	-0.000656	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	-10	-7.00	-0.002700	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	0	-4.50	-0.001735	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	10	-5.70	-0.002198	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	20	-4.90	-0.001890	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	30	-2.40	-0.000926	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	40	-5.50	-0.002121	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	50	-0.10	-0.000039	PASS

---End of Attachment---

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