

APPENDIX E: TEST RESULTS FOR E-UTRA OPERATING BAND 4

APPENDIX E.1: EFFECTIVE (ISOTROPIC) RADIATED POWER.....	2
Test Result	2
APPENDIX E.2: PEAK-TO AVERAGE RATIO	9
Test Result	9
Test Graphs.....	10
APPENDIX E.3: 26DB BANDWIDTH AND OCCUPIED BANDWIDTH	12
Test Result	12
Test Graphs.....	13
APPENDIX E.4: BAND EDGE	25
Test Result	25
Test Graphs.....	27
APPENDIX E.5: CONDUCTED SPURIOUS EMISSIONS.....	43
Test Result	43
General:	43
Test Graphs.....	44
General:	44
APPENDIX E.6: FREQUENCY STABILITY	50
Test Result	50

APPENDIX E.1: EFFECTIVE (ISOTROPIC) RADIATED POWER

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.57	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.55	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.53	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.60	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.43	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.44	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.47	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.39	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.47	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.37	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.51	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.32	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.44	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.36	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.49	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.66	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.63	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.62	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.63	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.54	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.61	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.72	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.82	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.74	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.53	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.44	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.45	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.49	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.44	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.48	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.36	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.26	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.36	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.18	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.70	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.95	PASS

Band4	1.4MHz	16QAM	20393	1RB#5	21.79	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.48	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.48	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.56	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.86	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.52	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.43	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.60	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.60	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.61	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.61	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.60	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.57	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.39	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.55	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.52	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.44	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.54	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.54	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.59	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.45	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.58	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.62	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.63	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.60	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.57	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.55	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.48	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.38	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.31	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.32	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.62	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.70	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.41	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.45	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.72	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.36	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.63	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.66	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.47	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.54	PASS

Band4	3MHz	16QAM	20385	1RB#8	21.53	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.54	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.57	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.49	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.65	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.78	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.70	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.55	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.41	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.69	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.70	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.57	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.70	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.70	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.51	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.72	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.40	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.40	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.54	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.53	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.76	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.67	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.82	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.78	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.68	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.79	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.69	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.50	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.20	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.19	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.78	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.75	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.57	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.61	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.92	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.58	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.67	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.56	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.65	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.60	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.50	PASS

Band4	5MHz	16QAM	20375	1RB#0	21.51	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.49	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.39	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.60	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.70	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.72	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.80	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.91	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.67	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.58	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.58	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.77	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.70	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.74	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.44	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.01	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.81	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.51	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.51	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.66	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.43	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.67	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.79	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.70	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.72	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.72	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.69	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.63	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.65	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.85	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.66	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.74	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.74	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.69	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.81	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.76	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.83	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.47	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.63	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.56	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.78	PASS

Band4	10MHz	16QAM	20175	50RB#0	20.35	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.60	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.89	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.87	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.52	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.71	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.70	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.62	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.60	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.50	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.60	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.57	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.58	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.61	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.65	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.52	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.35	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.50	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.40	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.41	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.68	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.35	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.70	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.51	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.66	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.58	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.68	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.63	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.57	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.68	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.43	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.70	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.51	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.51	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.60	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.56	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.58	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.55	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.61	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.47	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.47	PASS

Band4	15MHz	16QAM	20175	36RB#39	20.63	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.46	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.67	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.60	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.81	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.49	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.48	PASS
Band4	15MHz	16QAM	20325	36RB#39	20.63	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.60	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.34	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.58	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.52	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.69	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.61	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.51	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.52	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.49	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.65	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.73	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.33	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.33	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.54	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.33	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.70	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.84	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.42	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.64	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.64	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.58	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.57	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.69	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.90	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.46	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.58	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.68	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.60	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.51	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.89	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.27	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.11	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.32	PASS

Band4	20MHz	16QAM	20175	50RB#25	20.32	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.56	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.33	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.79	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.09	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.88	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.60	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.63	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.58	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.55	PASS

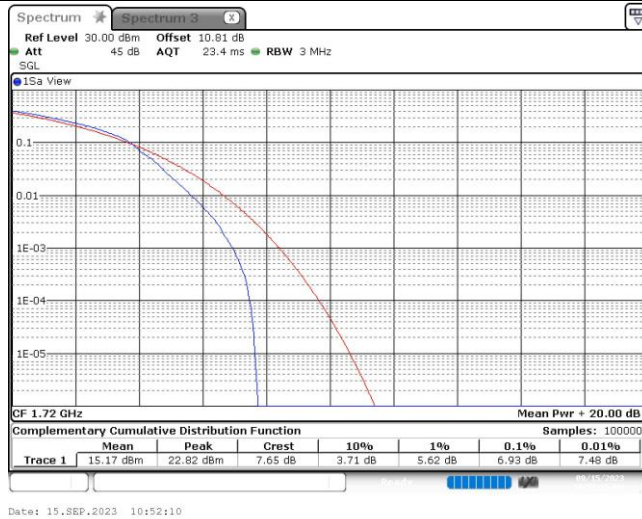
APPENDIX E.2: PEAK-TO AVERAGE RATIO

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	6.93	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	6.78	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	6.93	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	7.33	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	7.36	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	7.33	13	PASS

Test Graphs

Band4-20MHz-QPSK-20050-100RB#0



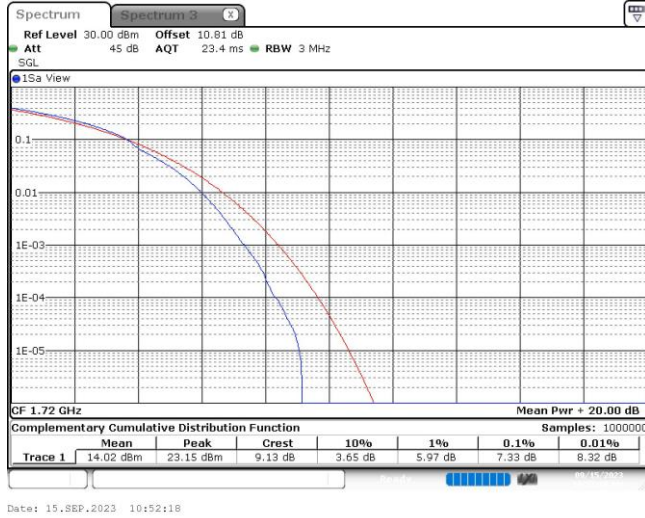
Band4-20MHz-QPSK-20175-100RB#0



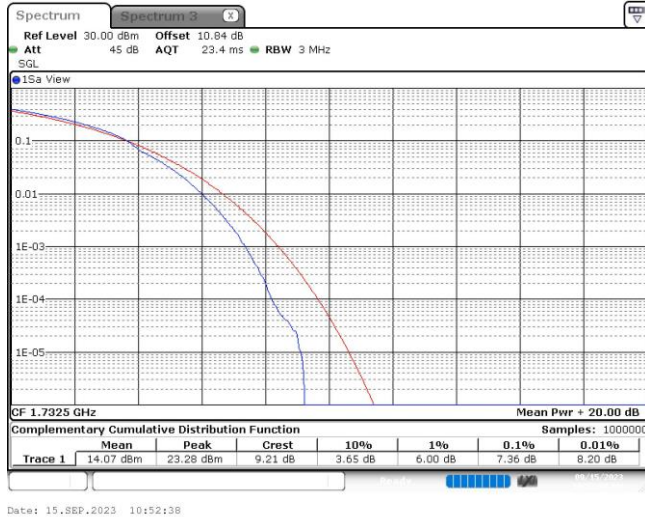
Band4-20MHz-QPSK-20300-100RB#0



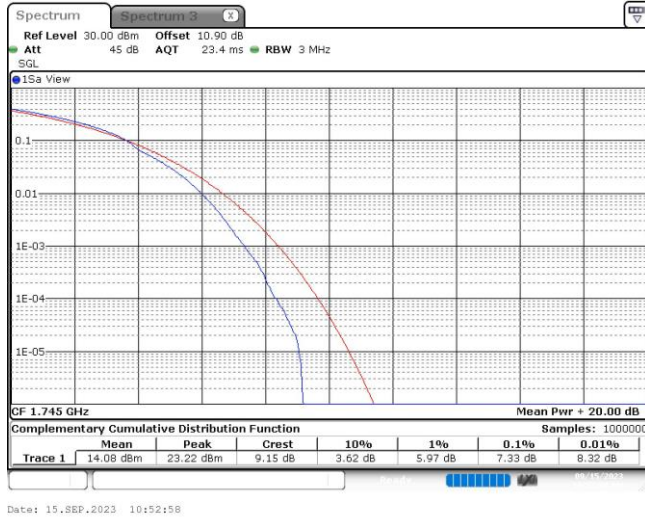
Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0

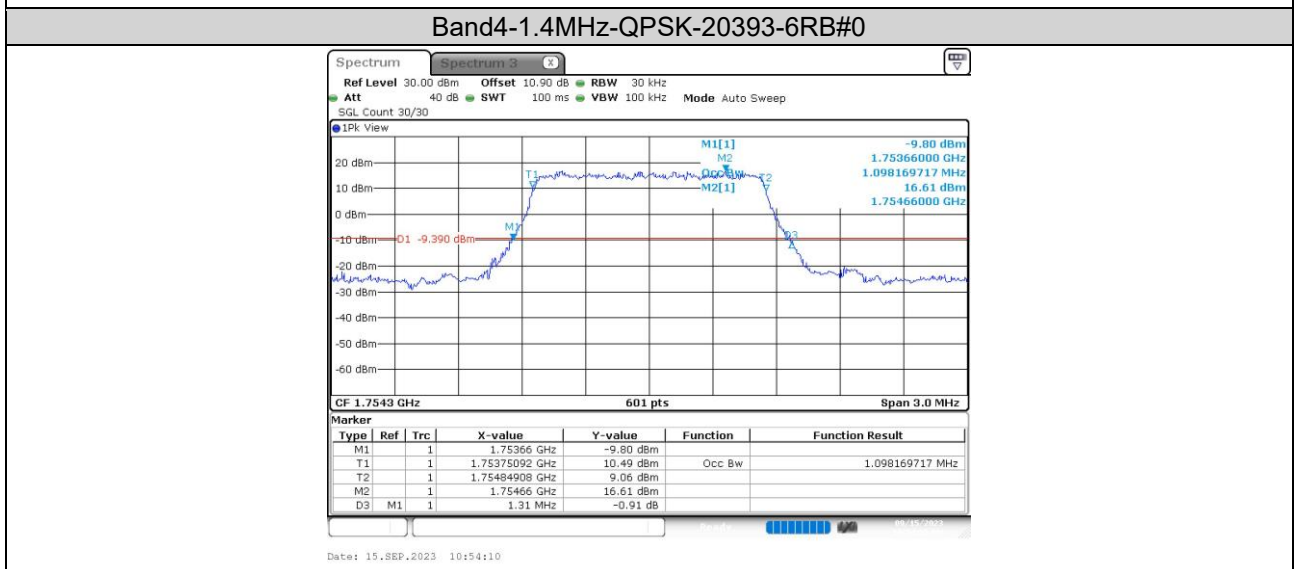
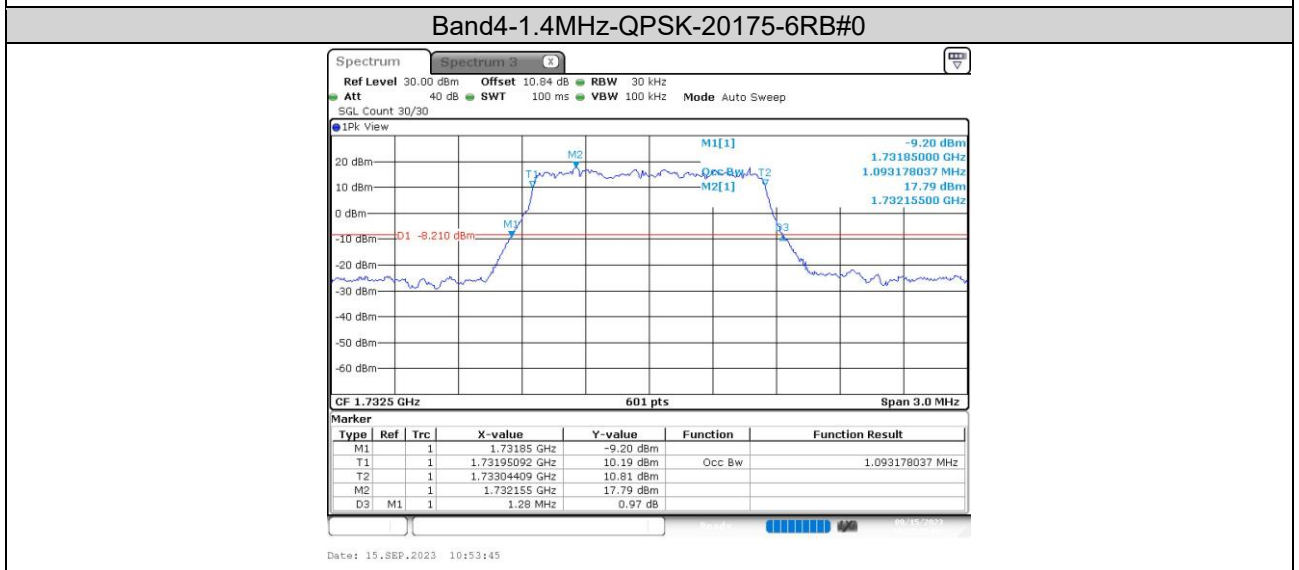
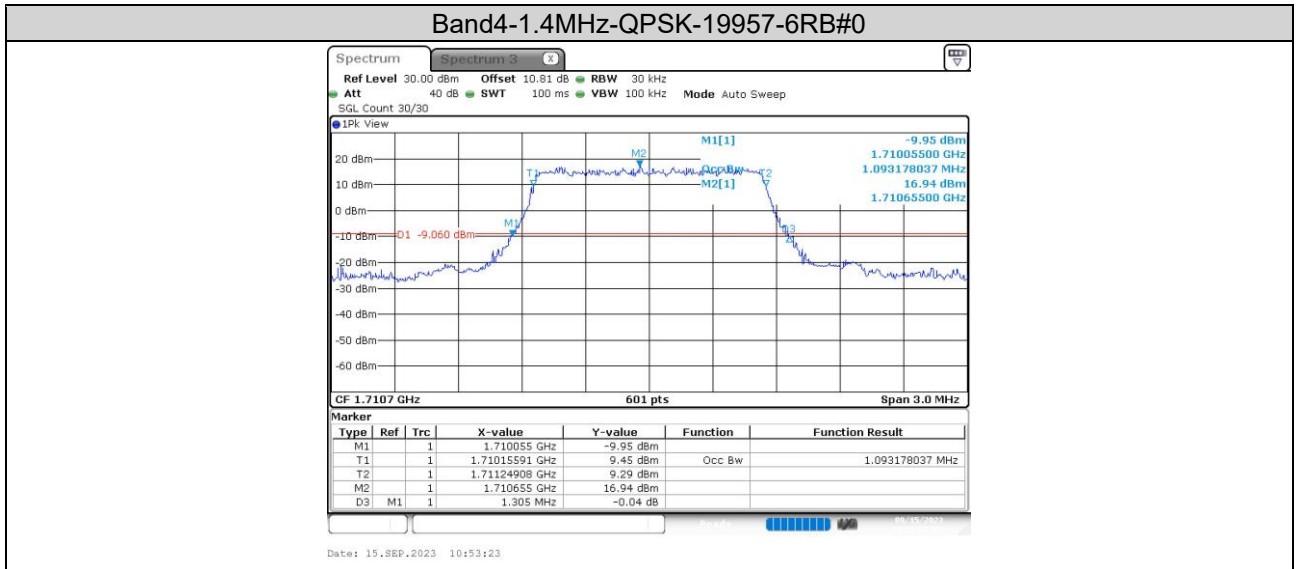


APPENDIX E.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH

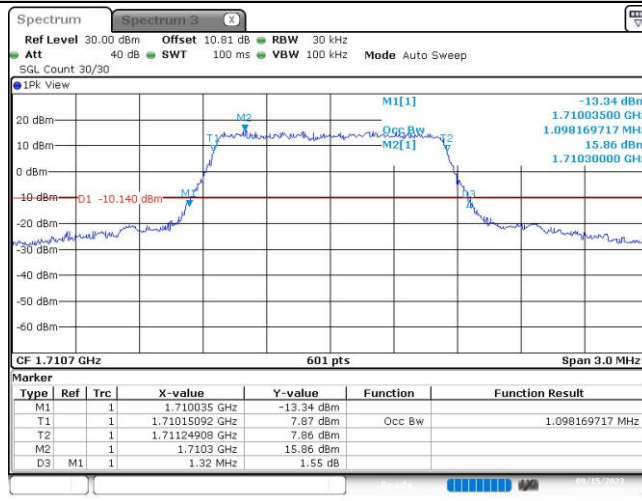
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.093	1.31	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.093	1.28	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.098	1.31	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.098	1.32	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.093	1.30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.103	1.31	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.696	2.97	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.696	3.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.696	2.96	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.705	3.01	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.696	3.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.696	3.01	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.486	4.95	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.92	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.486	4.95	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.476	4.92	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.96	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.476	4.90	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.918	9.87	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.952	9.73	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.918	9.83	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.918	9.63	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.918	9.77	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.918	9.67	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.478	14.90	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.478	14.90	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.428	14.80	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.478	14.80	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.428	14.90	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.428	14.85	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.837	19.33	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.903	19.47	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.837	19.40	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.903	19.47	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.903	19.47	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.903	19.53	PASS

Test Graphs

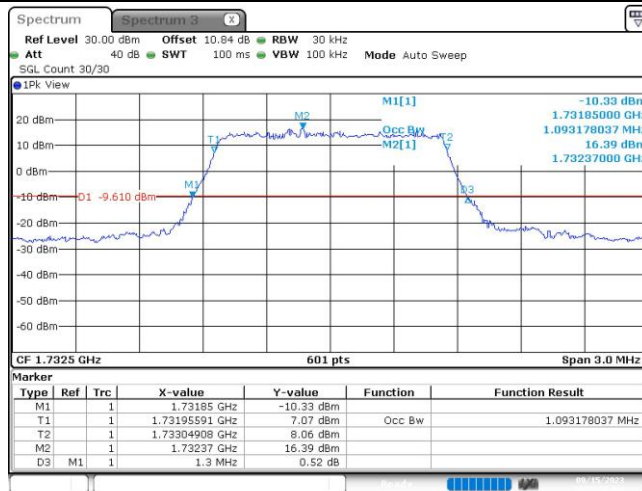


Band4-1.4MHz-16QAM-19957-6RB#0



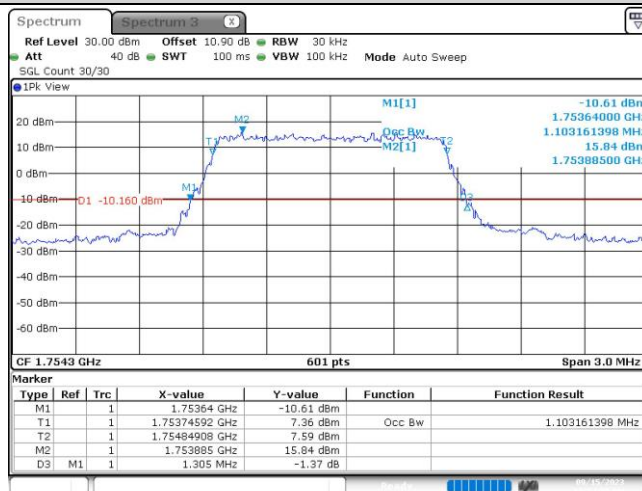
Date: 15_SEP.2023 10:53:34

Band4-1.4MHz-16QAM-20175-6RB#0



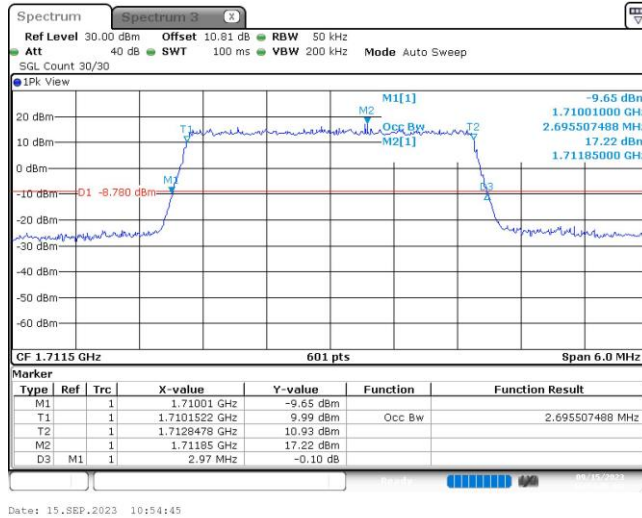
Date: 15_SEP.2023 10:53:56

Band4-1.4MHz-16QAM-20393-6RB#0



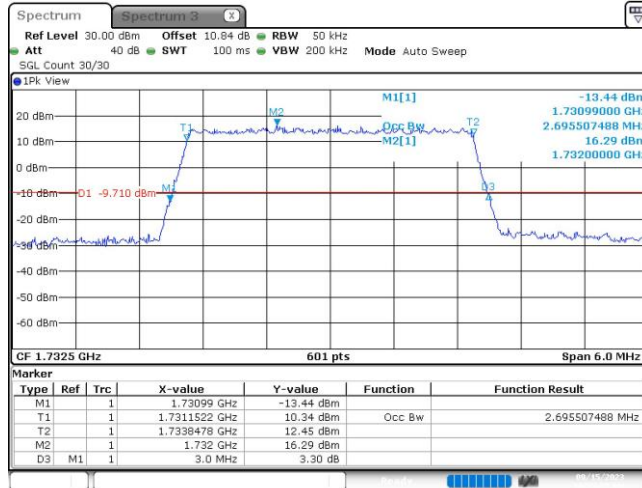
Date: 15_SEP.2023 10:54:20

Band4-3MHz-QPSK-19965-15RB#0



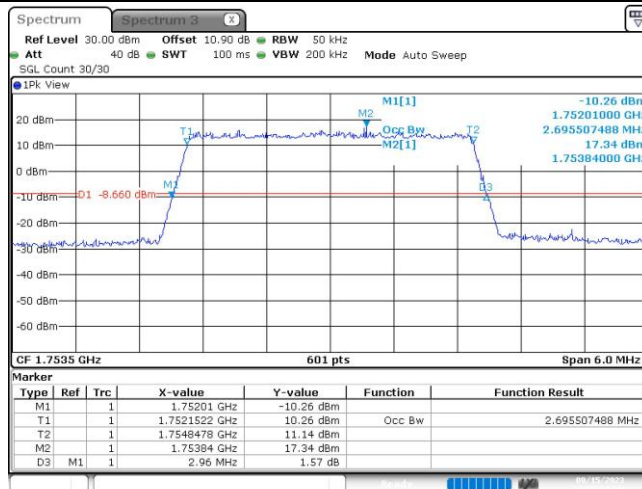
Date: 15_SEP.2023 10:54:45

Band4-3MHz-QPSK-20175-15RB#0



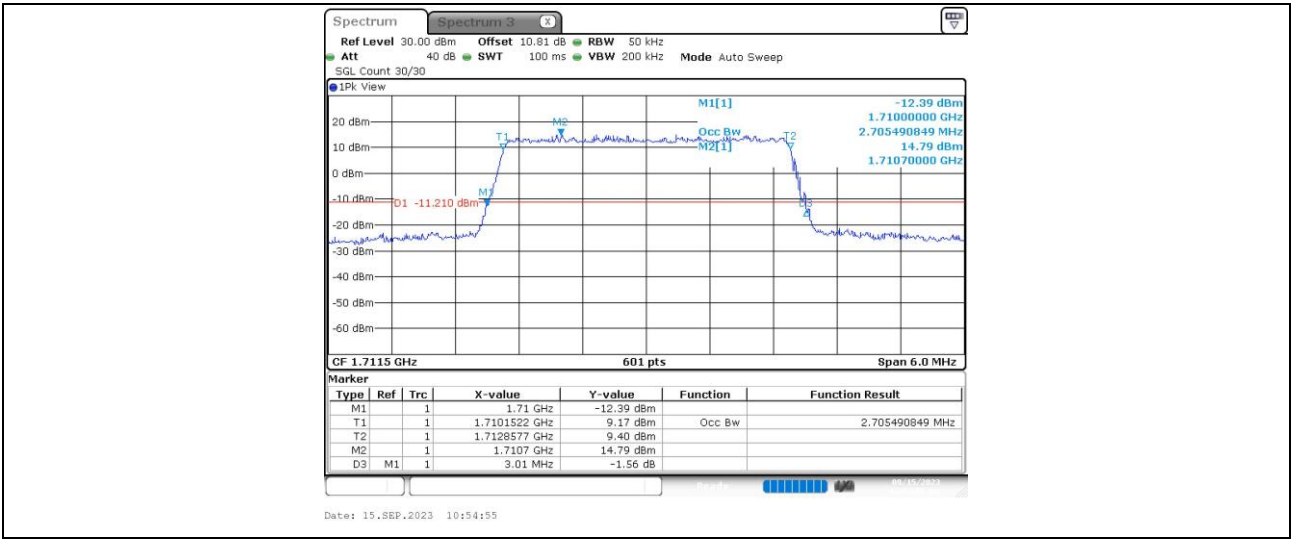
Date: 15_SEP.2023 10:55:07

Band4-3MHz-QPSK-20385-15RB#0

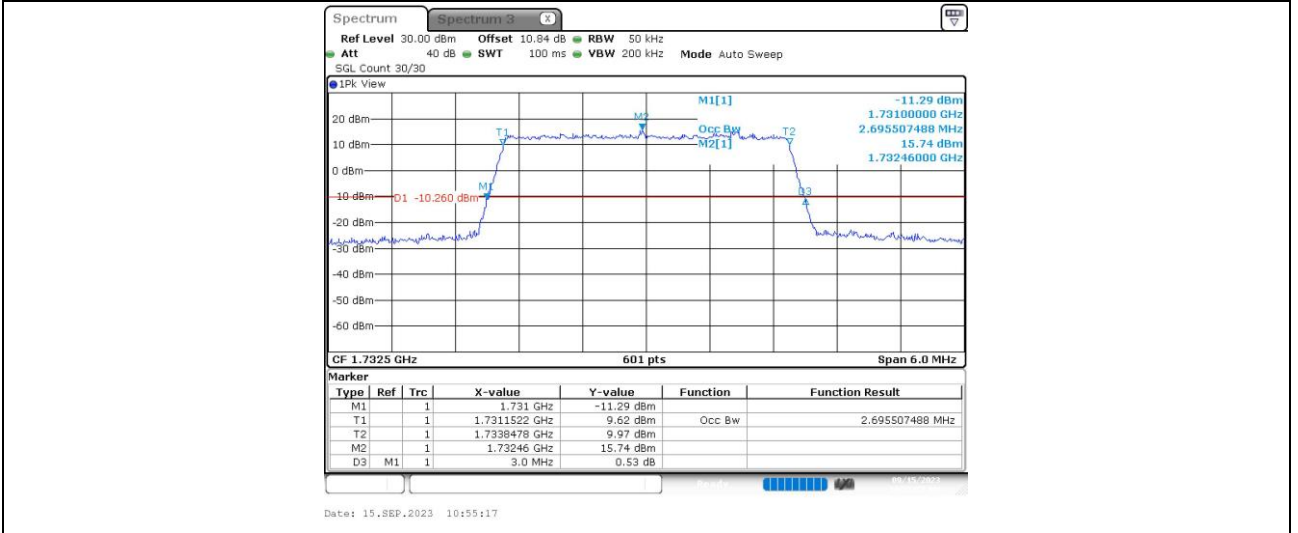


Date: 15_SEP.2023 10:55:31

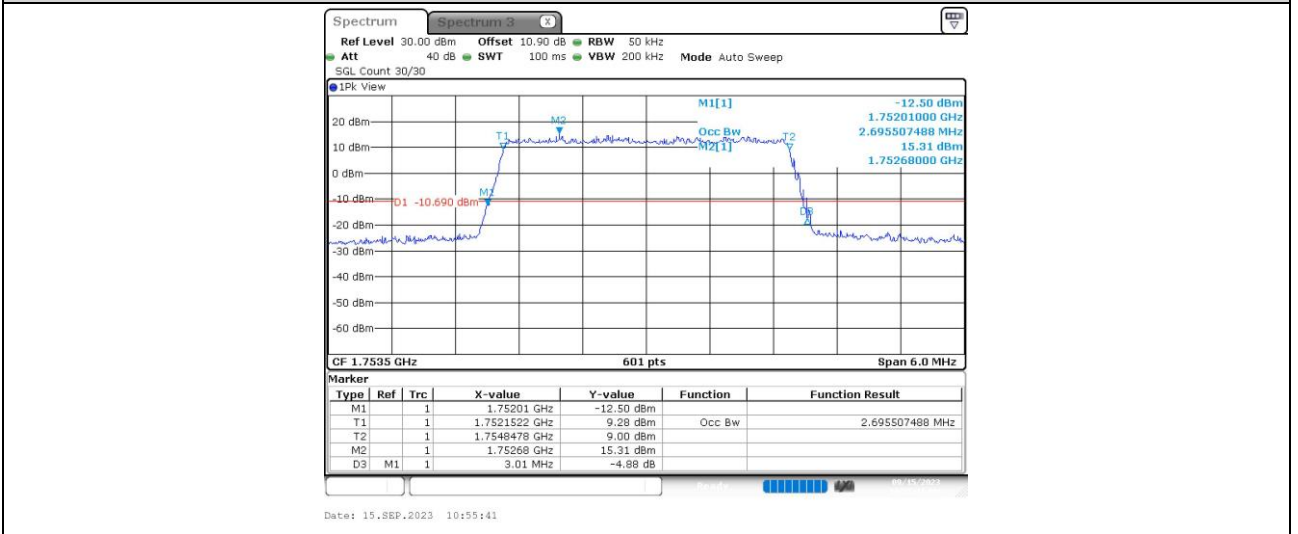
Band4-3MHz-16QAM-19965-15RB#0



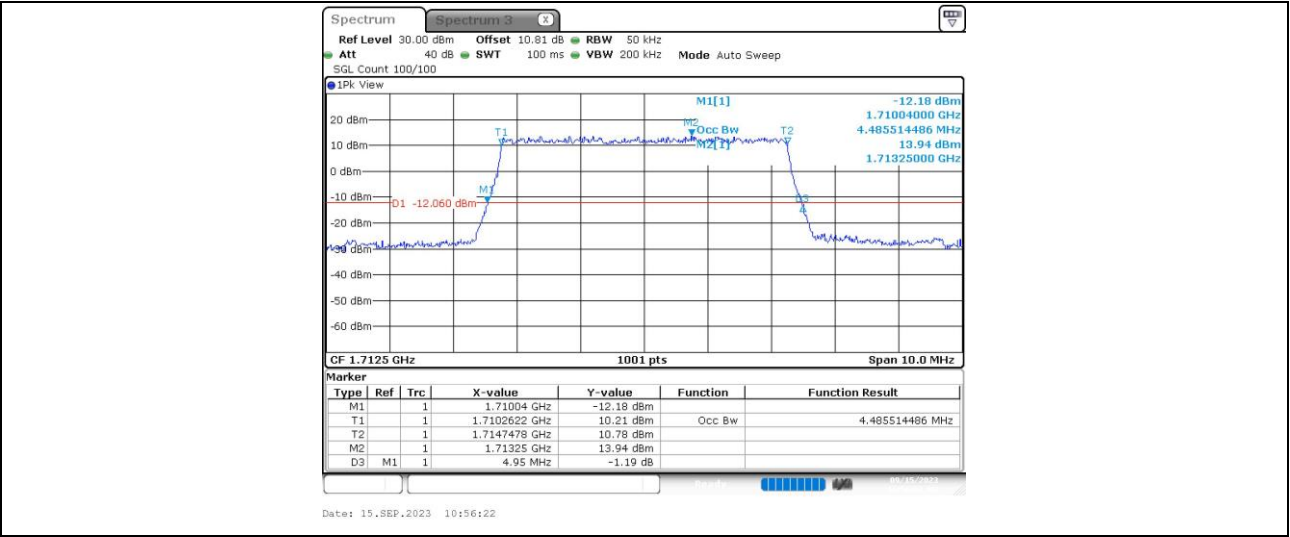
Band4-3MHz-16QAM-20175-15RB#0



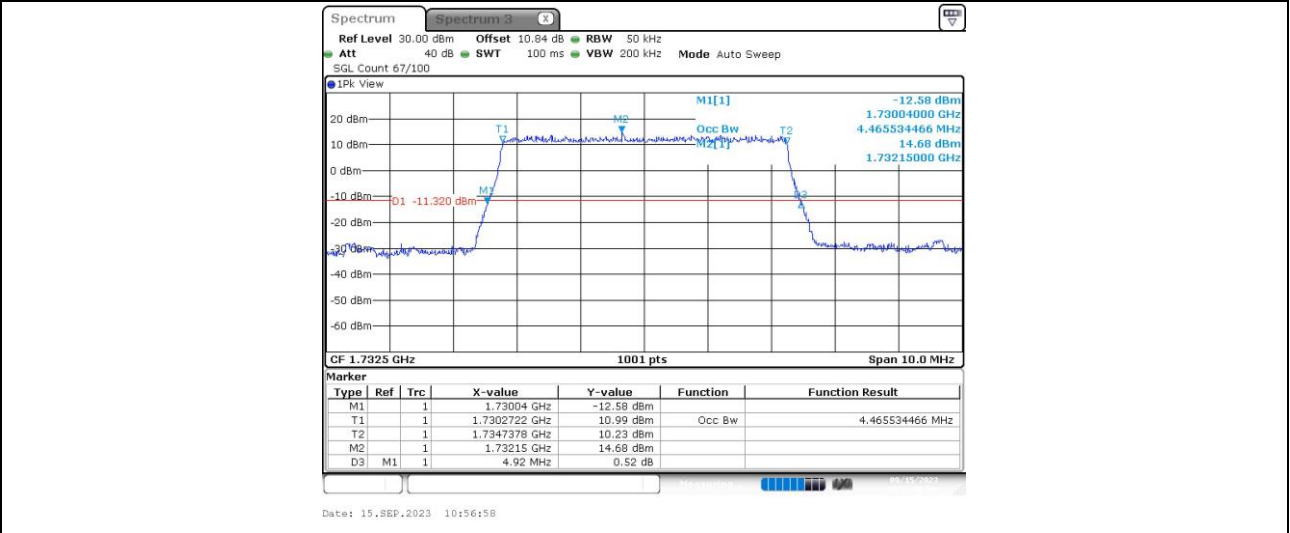
Band4-3MHz-16QAM-20385-15RB#0



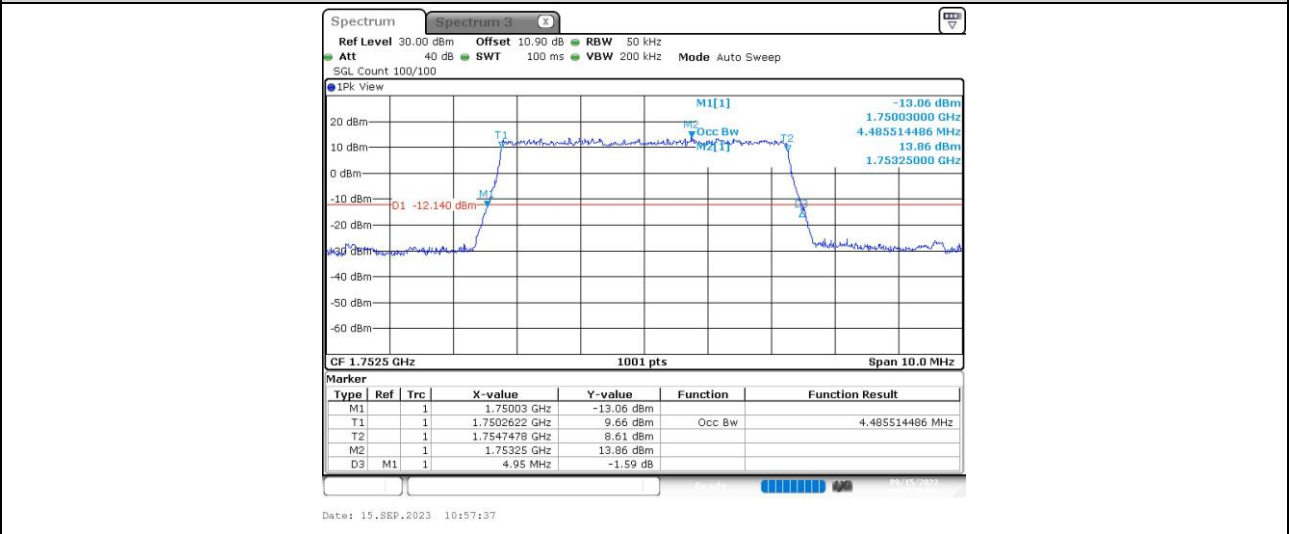
Band4-5MHz-QPSK-19975-25RB#0



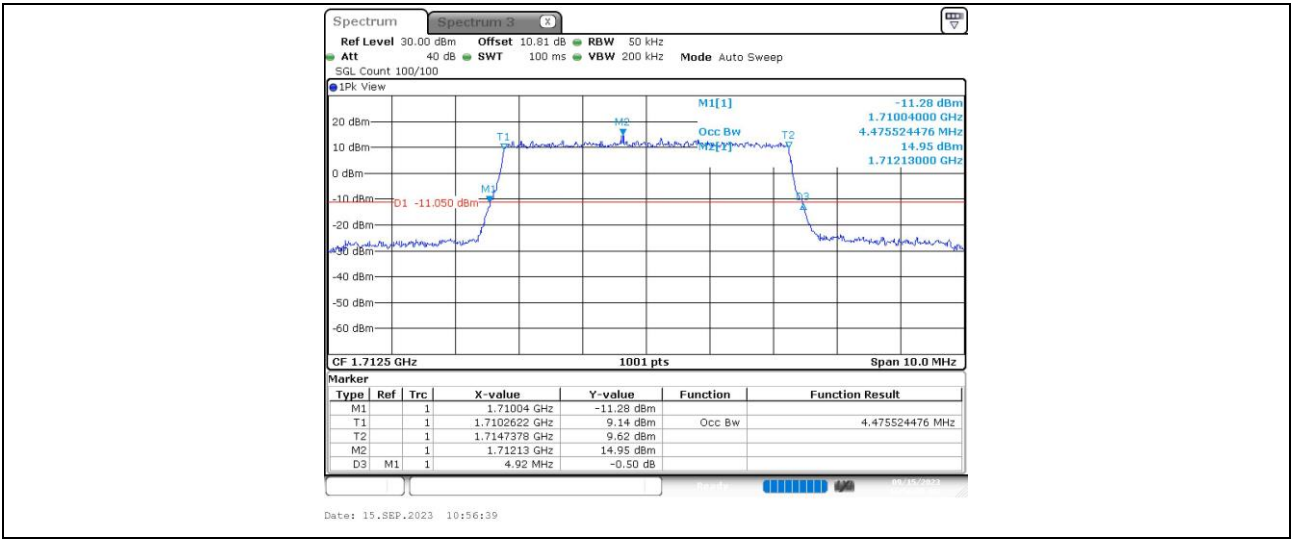
Band4-5MHz-QPSK-20175-25RB#0



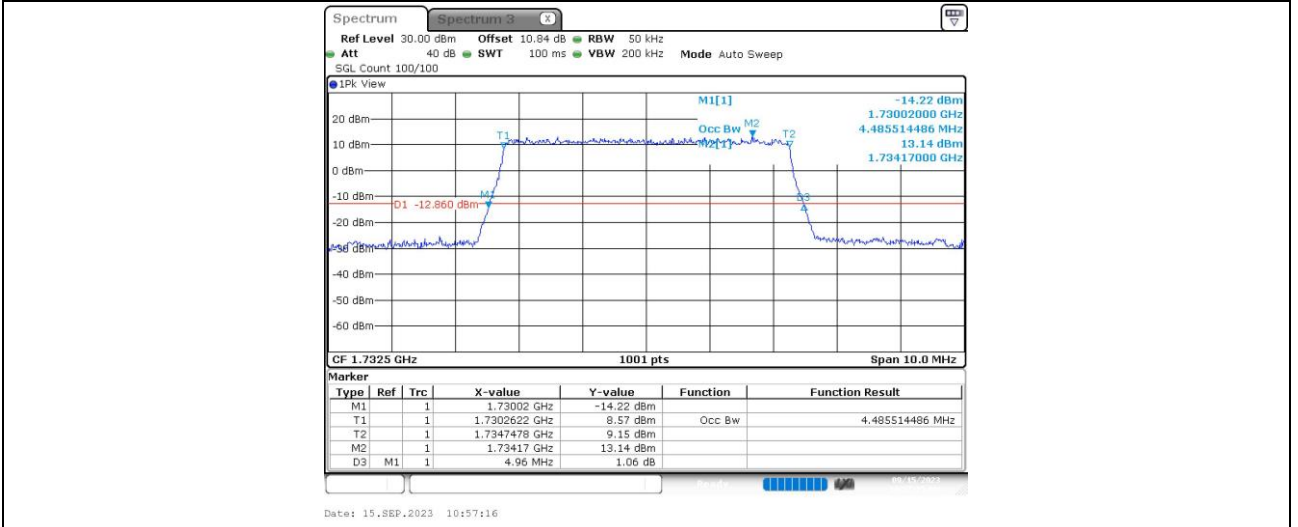
Band4-5MHz-QPSK-20375-25RB#0



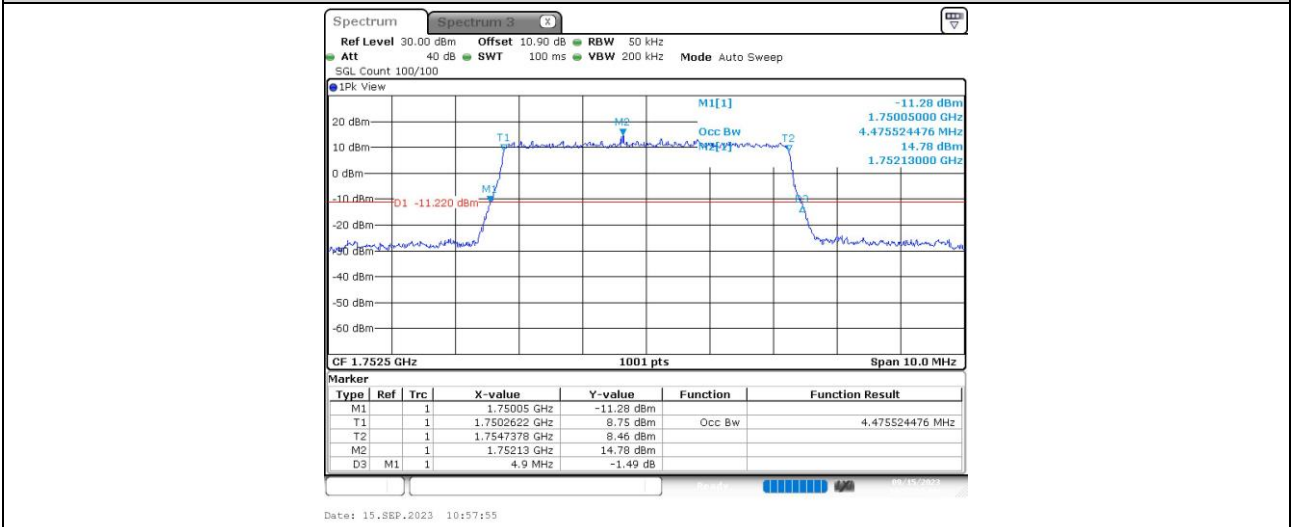
Band4-5MHz-16QAM-19975-25RB#0



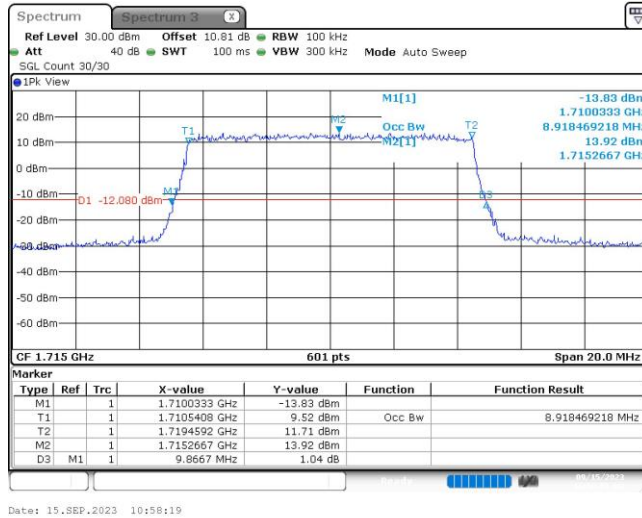
Band4-5MHz-16QAM-20175-25RB#0



Band4-5MHz-16QAM-20375-25RB#0

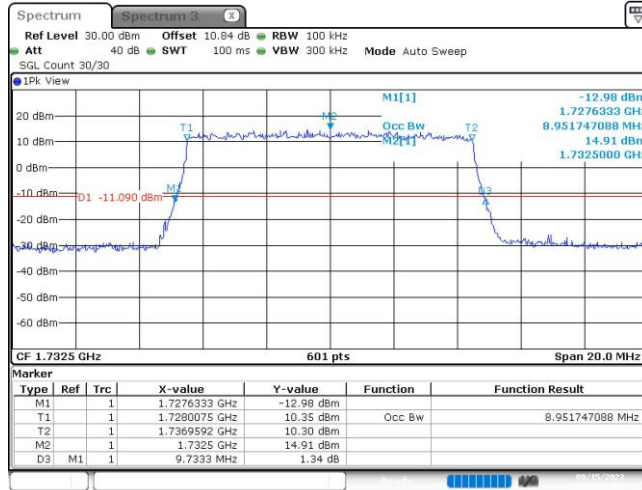


Band4-10MHz-QPSK-20000-50RB#0



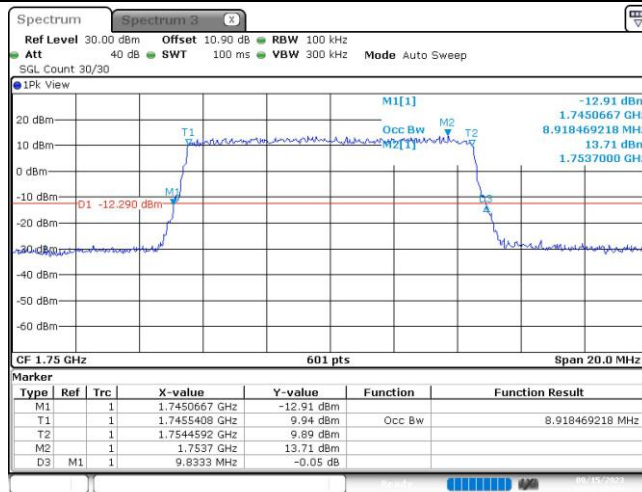
Date: 15_SEP.2023 10:58:19

Band4-10MHz-QPSK-20175-50RB#0



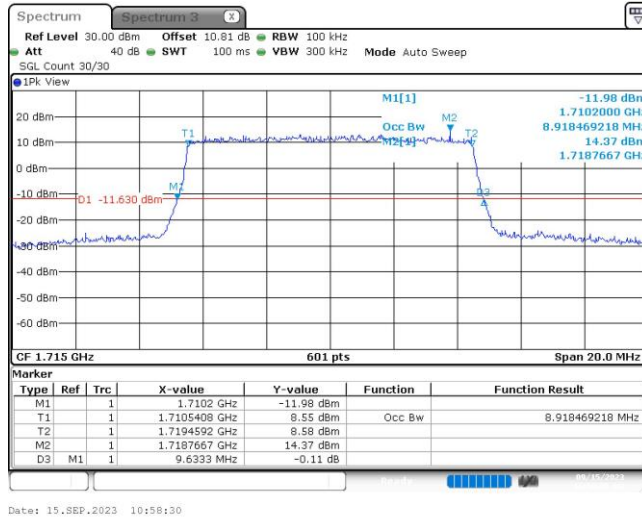
Date: 15_SEP.2023 10:58:42

Band4-10MHz-QPSK-20350-50RB#0

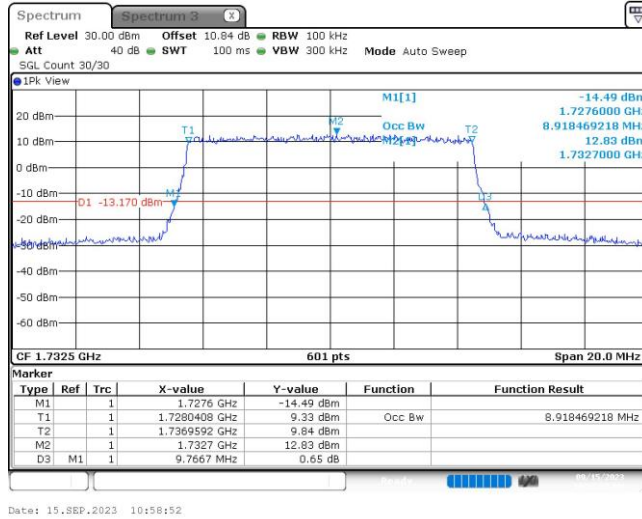


Date: 15_SEP.2023 10:59:06

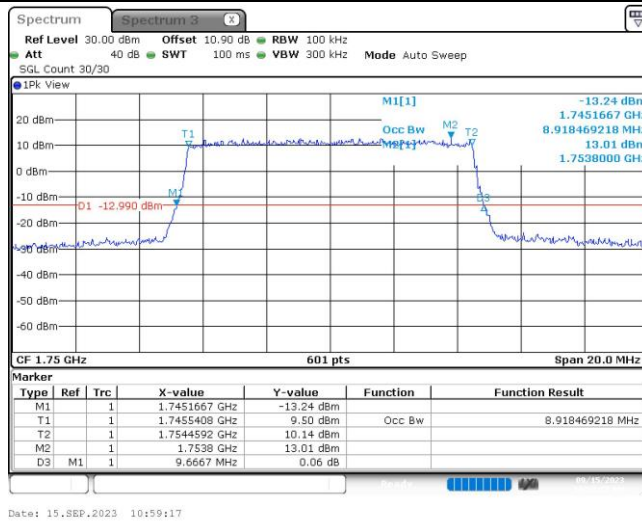
Band4-10MHz-16QAM-20000-50RB#0



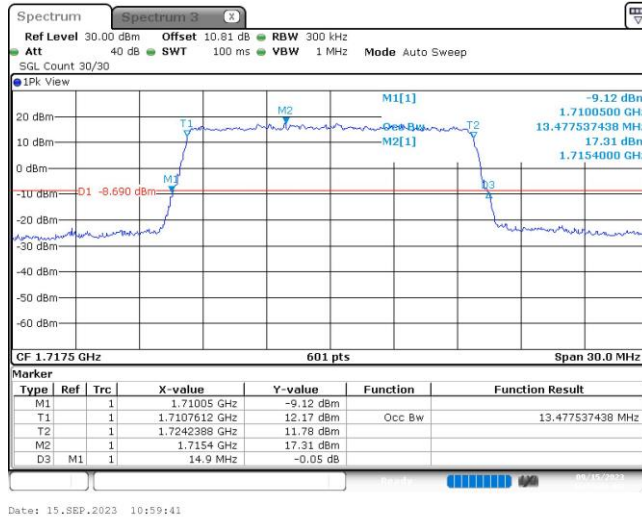
Band4-10MHz-16QAM-20175-50RB#0



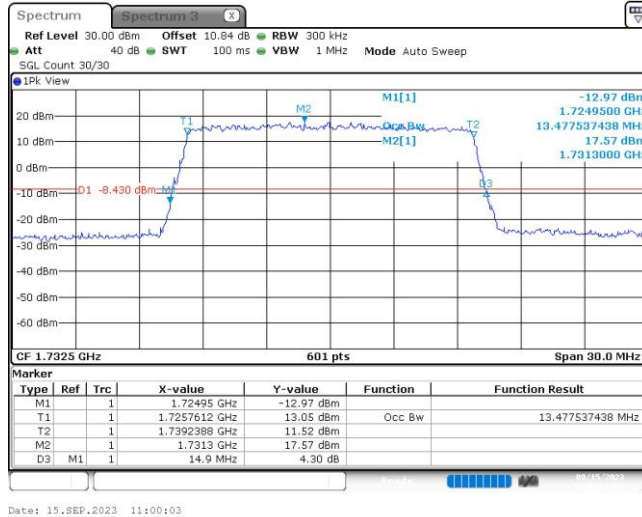
Band4-10MHz-16QAM-20350-50RB#0



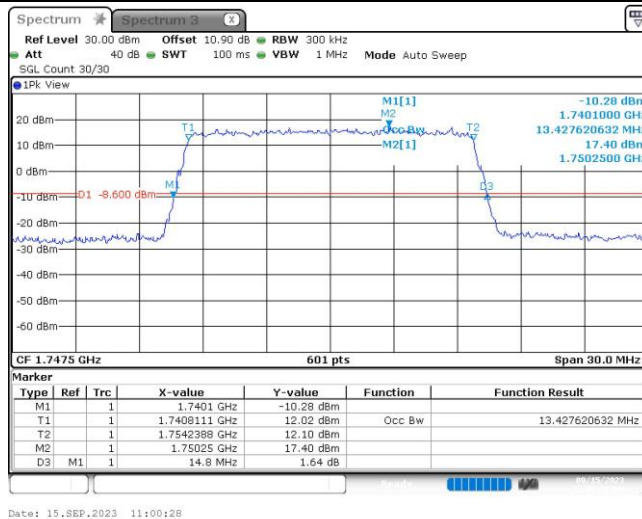
Band4-15MHz-QPSK-20025-75RB#0



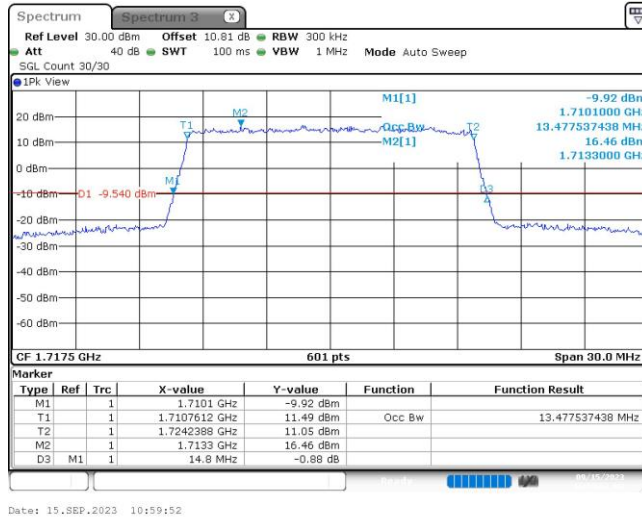
Band4-15MHz-QPSK-20175-75RB#0



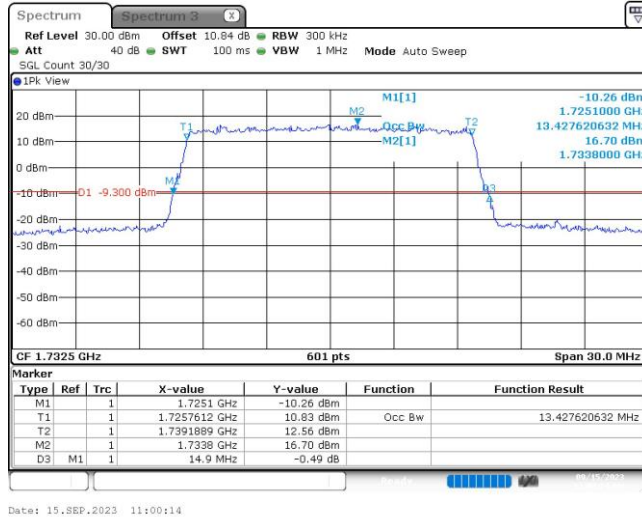
Band4-15MHz-QPSK-20325-75RB#0



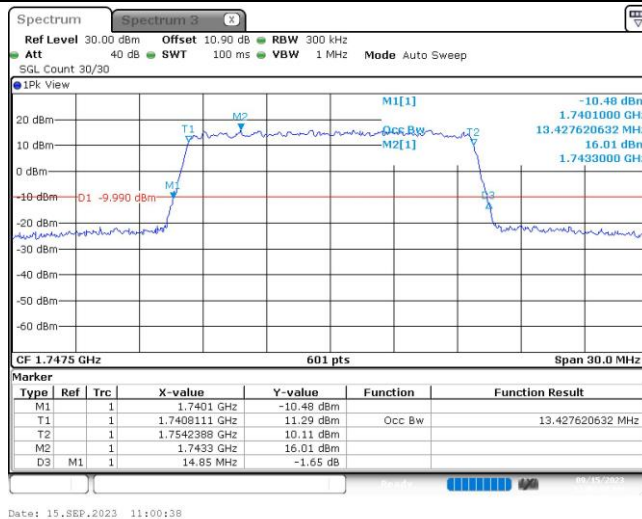
Band4-15MHz-16QAM-20025-75RB#0



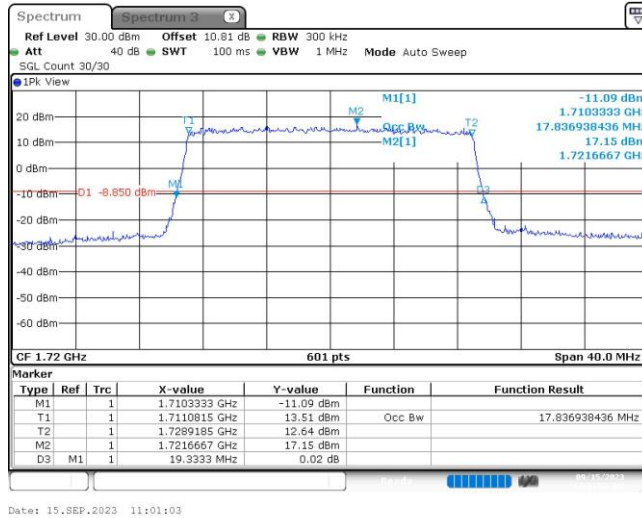
Band4-15MHz-16QAM-20175-75RB#0



Band4-15MHz-16QAM-20325-75RB#0

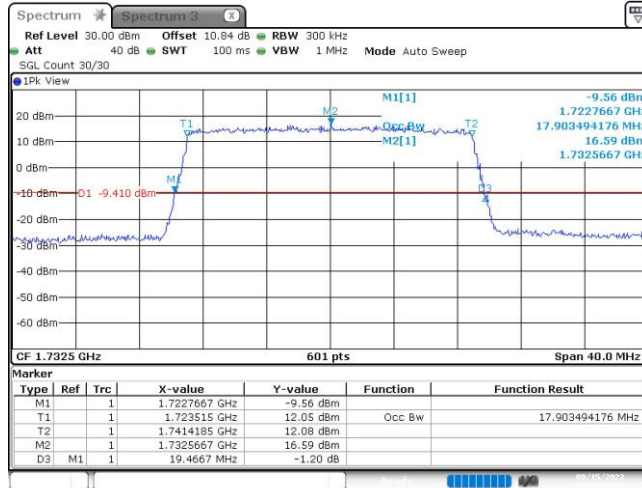


Band4-20MHz-QPSK-20050-100RB#0



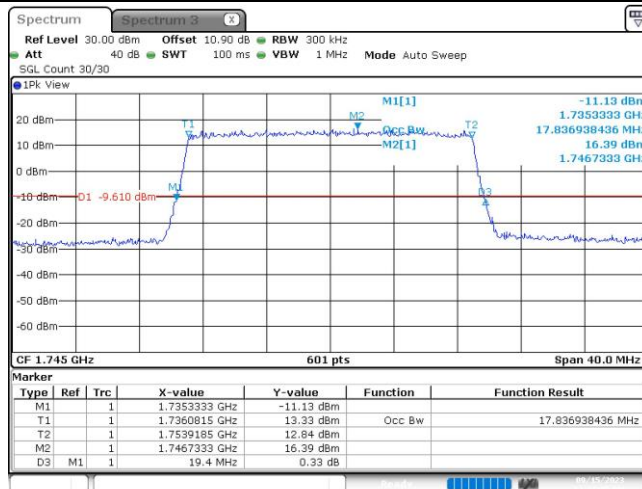
Date: 15.SEP.2023 11:01:03

Band4-20MHz-QPSK-20175-100RB#0



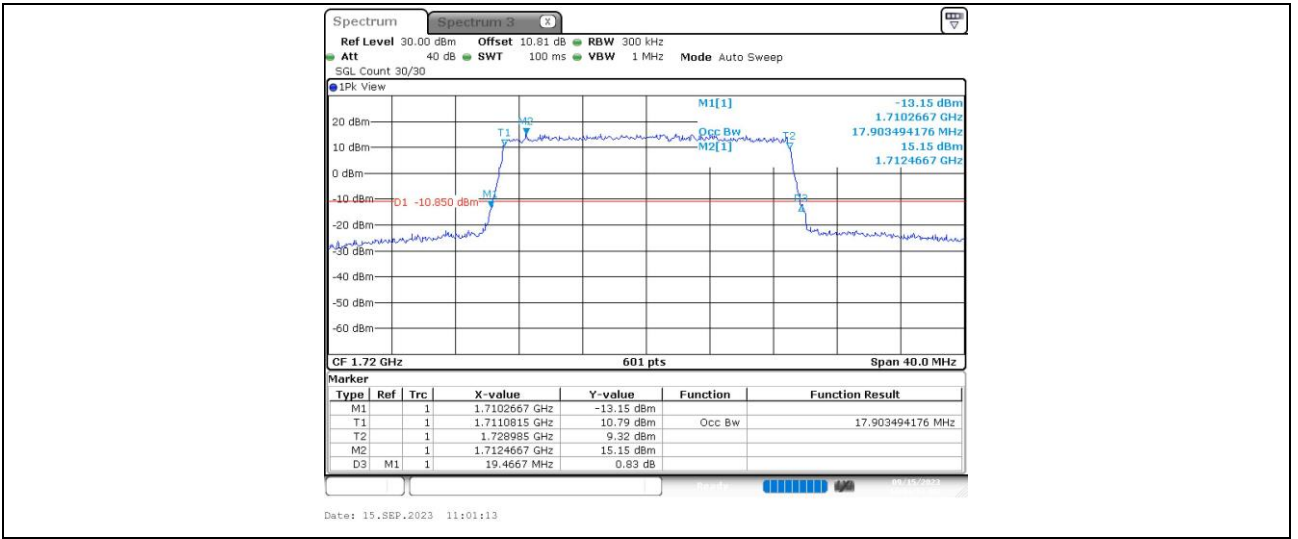
Date: 15.SEP.2023 11:01:25

Band4-20MHz-QPSK-20300-100RB#0

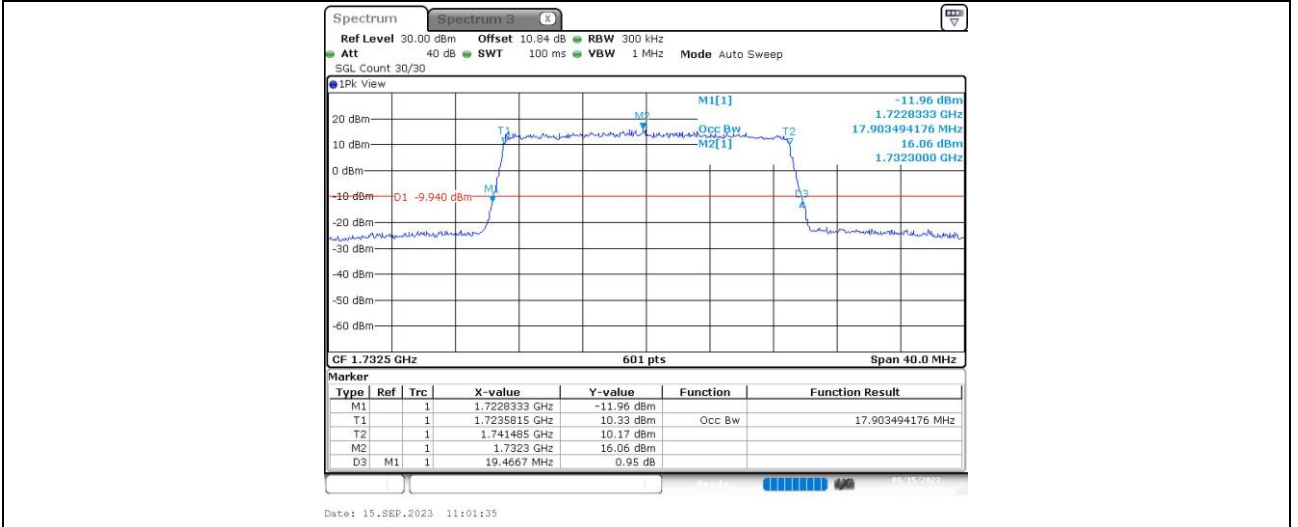


Date: 15.SEP.2023 11:01:49

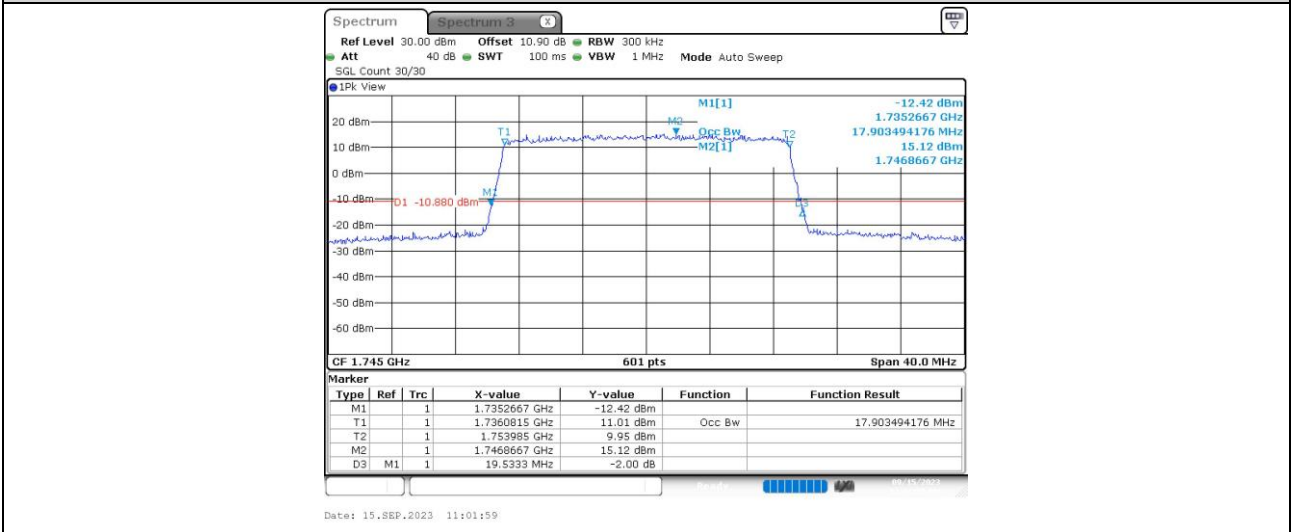
Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0



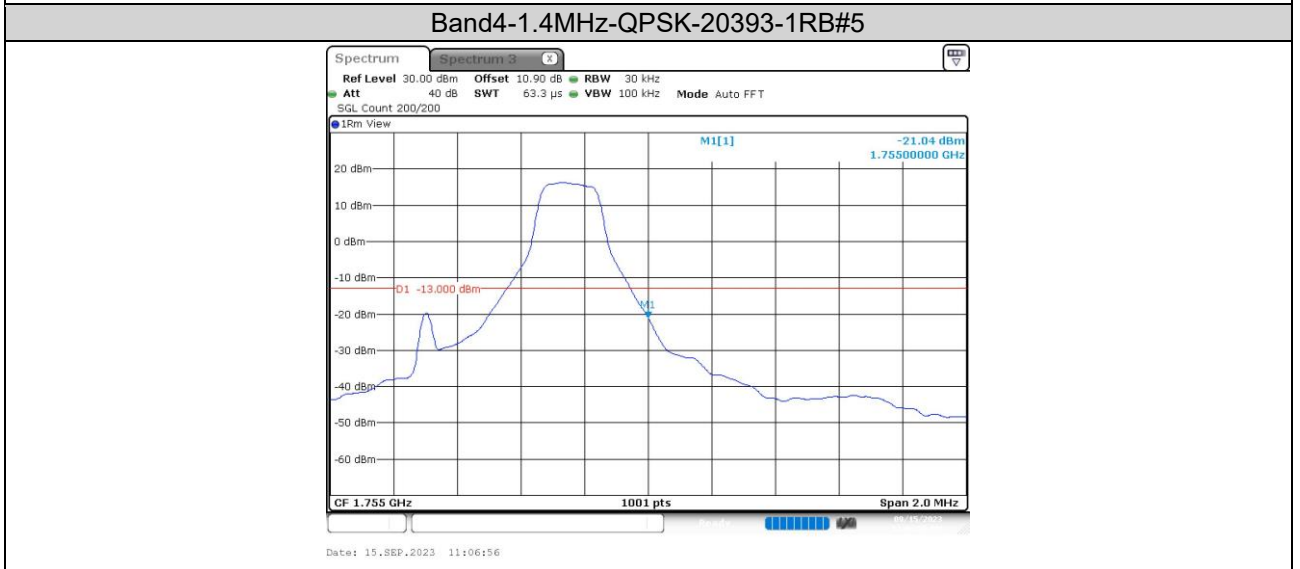
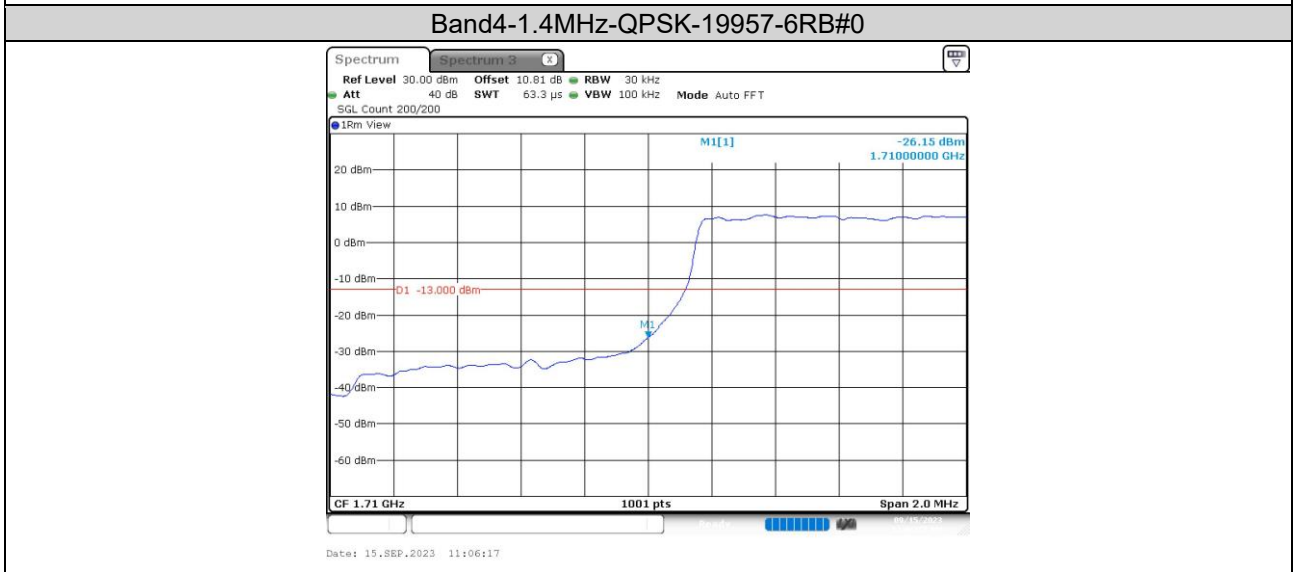
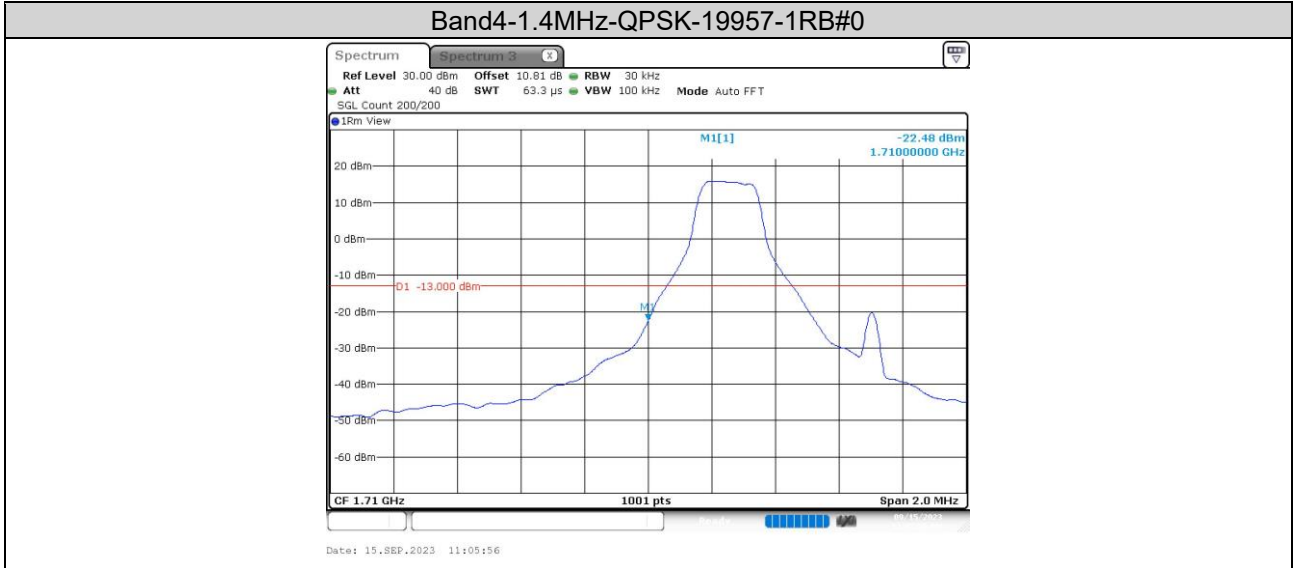
APPENDIX E.4: BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-22.48	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-26.15	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-21.04	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.52	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-24.22	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-27.66	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-22.64	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-27.56	PASS
Band4	3MHz	QPSK	19965	1RB#0	-17.67	PASS
Band4	3MHz	QPSK	19965	15RB#0	-24.34	PASS
Band4	3MHz	QPSK	20385	1RB#14	-17.54	PASS
Band4	3MHz	QPSK	20385	15RB#0	-25.49	PASS
Band4	3MHz	16QAM	19965	1RB#0	-19.67	PASS
Band4	3MHz	16QAM	19965	15RB#0	-27.38	PASS
Band4	3MHz	16QAM	20385	1RB#14	-18.97	PASS
Band4	3MHz	16QAM	20385	15RB#0	-27.39	PASS
Band4	5MHz	QPSK	19975	1RB#0	-23.10	PASS
Band4	5MHz	QPSK	19975	25RB#0	-28.71	PASS
Band4	5MHz	QPSK	20375	1RB#24	-21.80	PASS
Band4	5MHz	QPSK	20375	25RB#0	-28.26	PASS
Band4	5MHz	16QAM	19975	1RB#0	-22.38	PASS
Band4	5MHz	16QAM	19975	25RB#0	-29.50	PASS
Band4	5MHz	16QAM	20375	1RB#24	-22.58	PASS
Band4	5MHz	16QAM	20375	25RB#0	-28.68	PASS
Band4	10MHz	QPSK	20000	1RB#0	-31.30	PASS
Band4	10MHz	QPSK	20000	50RB#0	-31.41	PASS
Band4	10MHz	QPSK	20350	1RB#49	-31.36	PASS
Band4	10MHz	QPSK	20350	50RB#0	-32.99	PASS
Band4	10MHz	16QAM	20000	1RB#0	-33.14	PASS
Band4	10MHz	16QAM	20000	50RB#0	-32.18	PASS
Band4	10MHz	16QAM	20350	1RB#49	-30.35	PASS
Band4	10MHz	16QAM	20350	50RB#0	-32.32	PASS
Band4	15MHz	QPSK	20025	1RB#0	-25.60	PASS
Band4	15MHz	QPSK	20025	75RB#0	-30.28	PASS
Band4	15MHz	QPSK	20325	1RB#74	-24.77	PASS
Band4	15MHz	QPSK	20325	75RB#0	-28.97	PASS
Band4	15MHz	16QAM	20025	1RB#0	-26.82	PASS
Band4	15MHz	16QAM	20025	75RB#0	-31.57	PASS
Band4	15MHz	16QAM	20325	1RB#74	-22.57	PASS
Band4	15MHz	16QAM	20325	75RB#0	-30.80	PASS

Band4	20MHz	QPSK	20050	1RB#0	-28.15	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.22	PASS
Band4	20MHz	QPSK	20300	1RB#99	-29.59	PASS
Band4	20MHz	QPSK	20300	100RB#0	-31.31	PASS
Band4	20MHz	16QAM	20050	1RB#0	-27.75	PASS
Band4	20MHz	16QAM	20050	100RB#0	-31.82	PASS
Band4	20MHz	16QAM	20300	1RB#99	-27.40	PASS
Band4	20MHz	16QAM	20300	100RB#0	-31.44	PASS

Test Graphs



Band4-1.4MHz-QPSK-20393-6RB#0



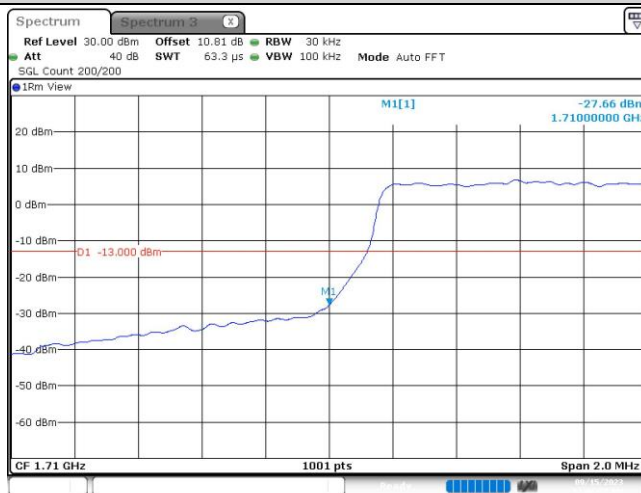
Date: 15.SEP.2023 11:07:16

Band4-1.4MHz-16QAM-19957-1RB#0



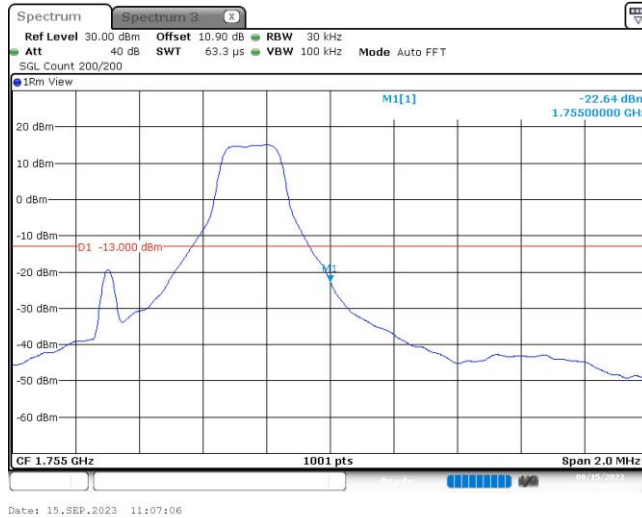
Date: 15.SEP.2023 11:06:07

Band4-1.4MHz-16QAM-19957-6RB#0



Date: 15.SEP.2023 11:06:27

Band4-1.4MHz-16QAM-20393-1RB#5



Band4-1.4MHz-16QAM-20393-6RB#0



Band4-3MHz-QPSK-19965-1RB#0



Band4-3MHz-QPSK-19965-15RB#0



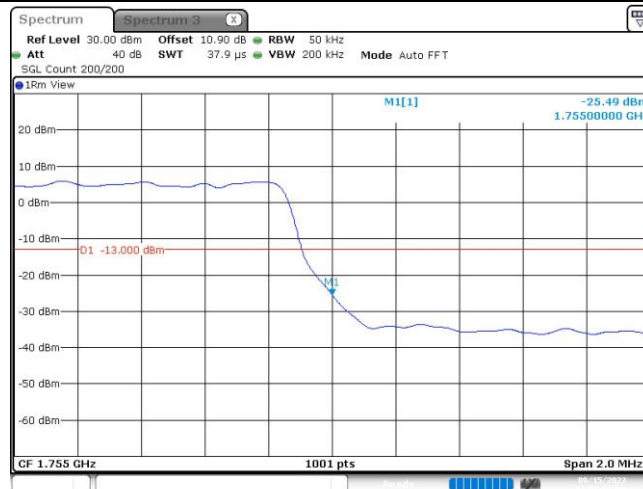
Date: 15_SEP_2023 17:44:27

Band4-3MHz-QPSK-20385-1RB#14



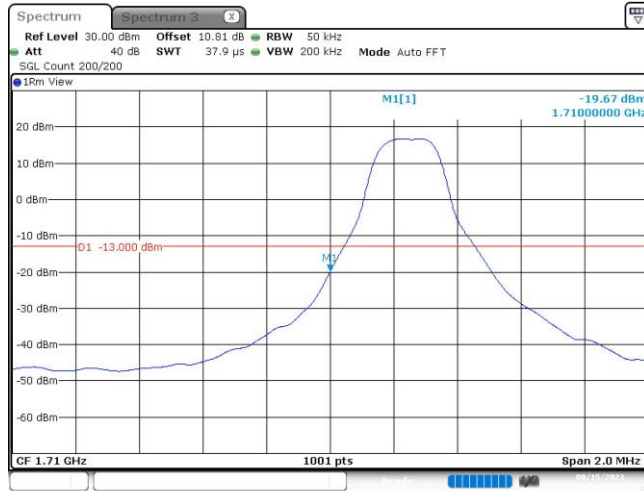
Date: 15_SEP_2023 11:08:23

Band4-3MHz-QPSK-20385-15RB#0



Date: 15_SEP_2023 11:08:43

Band4-3MHz-16QAM-19965-1RB#0



Date: 15.SEP.2023 17:44:17

Band4-3MHz-16QAM-19965-15RB#0



Date: 15.SEP.2023 17:44:37

Band4-3MHz-16QAM-20385-1RB#14

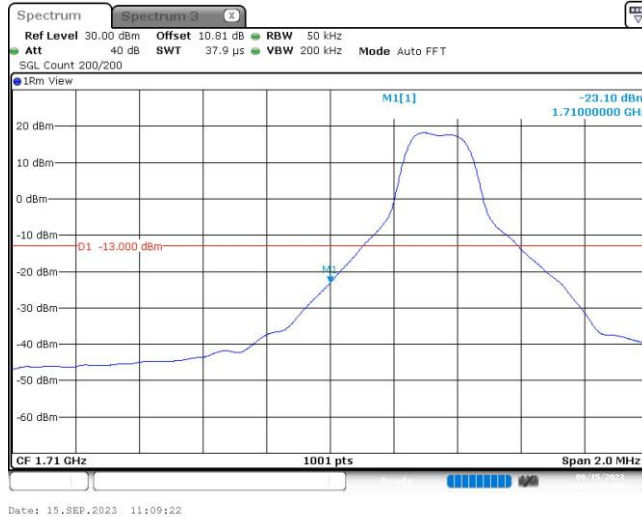


Date: 15.SEP.2023 11:08:33

Band4-3MHz-16QAM-20385-15RB#0



Band4-5MHz-QPSK-19975-1RB#0



Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20375-1RB#24



Date: 15.SEP.2023 11:10:22

Band4-5MHz-QPSK-20375-25RB#0



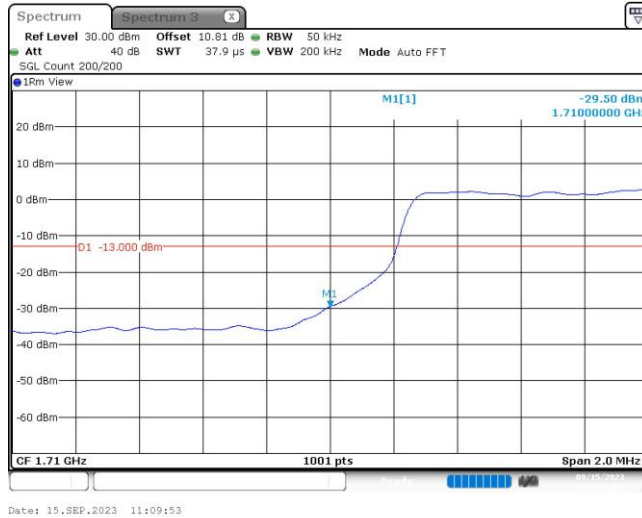
Date: 15.SEP.2023 11:10:43

Band4-5MHz-16QAM-19975-1RB#0



Date: 15.SEP.2023 11:09:33

Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20375-1RB#24



Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-1RB#0