

APPENDIX B: TEST RESULTS FOR UTRA OPERATING BAND 4

APPENDIX B.1: EFFECTIVE (ISOTROPIC) RADIATED POWER	2
Test Result	2
WCDMA	2
HSDPA.....	2
HSUPA.....	2
APPENDIX B.2: PEAK-TO AVERAGE RATIO	3
Test Result	3
Test Graphs.....	4
APPENDIX B.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH	15
Test Result	15
Test Graphs.....	16
APPENDIX B.4: BAND EDGE	27
Test Result	27
Test Graphs.....	28
APPENDIX B.5: CONDUCTED SPURIOUS EMISSIONS.....	36
Test Result	36
General:	36
Test Graphs.....	39
General:	39
APPENDIX B.6: FREQUENCY STABILITY.....	90
Test Result	90

APPENDIX B.1: EFFECTIVE (ISOTROPIC) RADIATED POWER

Test Result

WCDMA

Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1312	23.69	26.49	30.00	PASS
Band4	1413	23.29	26.09	30.00	PASS
Band4	1513	23.81	26.61	30.00	PASS

HSDPA

Band	Channel	SubTest	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1312	1	22.73	22.73	30.00	PASS
Band4	1312	2	22.24	22.24	30.00	PASS
Band4	1312	3	22.09	22.09	30.00	PASS
Band4	1312	4	22.08	22.08	30.00	PASS
Band4	1413	1	22.43	22.43	30.00	PASS
Band4	1413	2	22.15	22.15	30.00	PASS
Band4	1413	3	22.31	22.31	30.00	PASS
Band4	1413	4	22.27	22.27	30.00	PASS
Band4	1513	1	22.80	22.80	30.00	PASS
Band4	1513	2	22.25	22.25	30.00	PASS
Band4	1513	3	22.27	22.27	30.00	PASS
Band4	1513	4	22.19	22.19	30.00	PASS

HSUPA

Band	Channel	SubTest	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1312	1	22.44	22.44	30.00	PASS
Band4	1312	2	21.70	21.7	30.00	PASS
Band4	1312	3	21.05	21.05	30.00	PASS
Band4	1312	4	21.59	21.59	30.00	PASS
Band4	1312	5	22.56	22.56	30.00	PASS
Band4	1413	1	21.74	21.74	30.00	PASS
Band4	1413	2	21.63	21.63	30.00	PASS
Band4	1413	3	21.06	21.06	30.00	PASS
Band4	1413	4	21.64	21.64	30.00	PASS
Band4	1413	5	22.68	22.68	30.00	PASS
Band4	1513	1	22.40	22.4	30.00	PASS
Band4	1513	2	21.58	21.58	30.00	PASS
Band4	1513	3	21.40	21.4	30.00	PASS
Band4	1513	4	21.98	21.98	30.00	PASS
Band4	1513	5	22.55	22.55	30.00	PASS

APPENDIX B.2: PEAK-TO AVERAGE RATIO

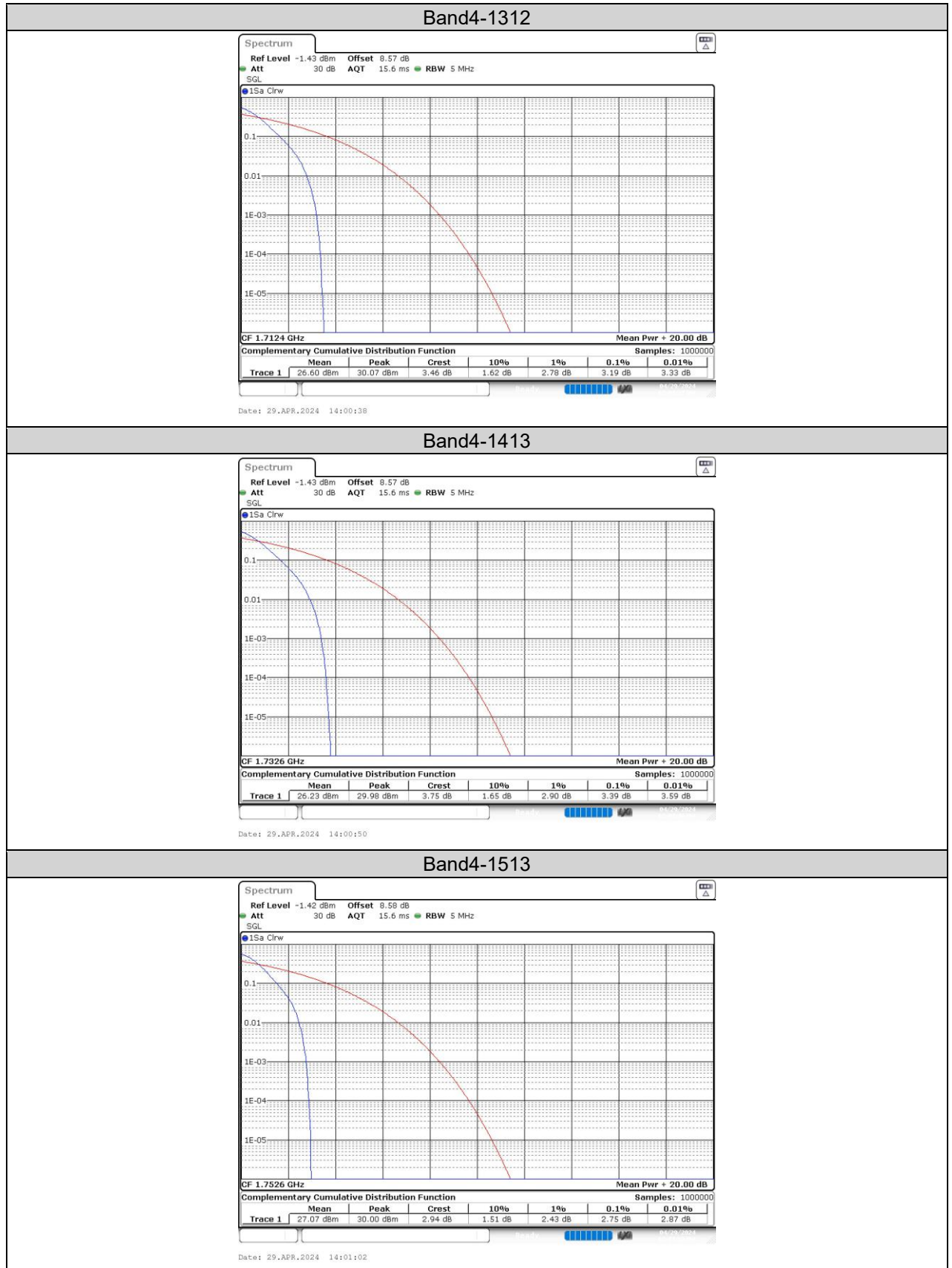
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band4	1312	3.19	13	PASS
Band4	1413	3.39	13	PASS
Band4	1513	2.75	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.3	13	PASS
Band4	1312	2	3.45	13	PASS
Band4	1312	3	4	13	PASS
Band4	1312	4	3.62	13	PASS
Band4	1413	1	3.39	13	PASS
Band4	1413	2	3.51	13	PASS
Band4	1413	3	3.65	13	PASS
Band4	1413	4	3.68	13	PASS
Band4	1513	1	3.07	13	PASS
Band4	1513	2	3.3	13	PASS
Band4	1513	3	3.42	13	PASS
Band4	1513	4	3.45	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	4.55	13	PASS
Band4	1312	2	5.25	13	PASS
Band4	1312	3	5.45	13	PASS
Band4	1312	4	5.01	13	PASS
Band4	1312	5	4.26	13	PASS
Band4	1413	1	4.75	13	PASS
Band4	1413	2	5.3	13	PASS
Band4	1413	3	5.65	13	PASS
Band4	1413	4	5.51	13	PASS
Band4	1413	5	4.38	13	PASS
Band4	1513	1	4.23	13	PASS
Band4	1513	2	4.72	13	PASS
Band4	1513	3	5.28	13	PASS
Band4	1513	4	4.7	13	PASS
Band4	1513	5	3.97	13	PASS

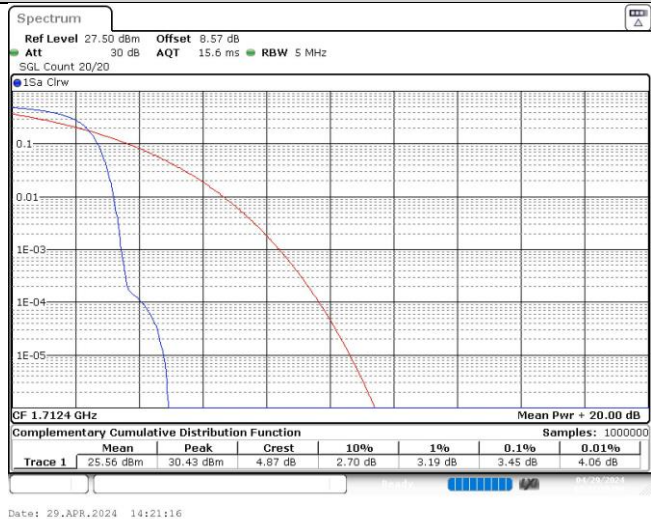
Test Graphs



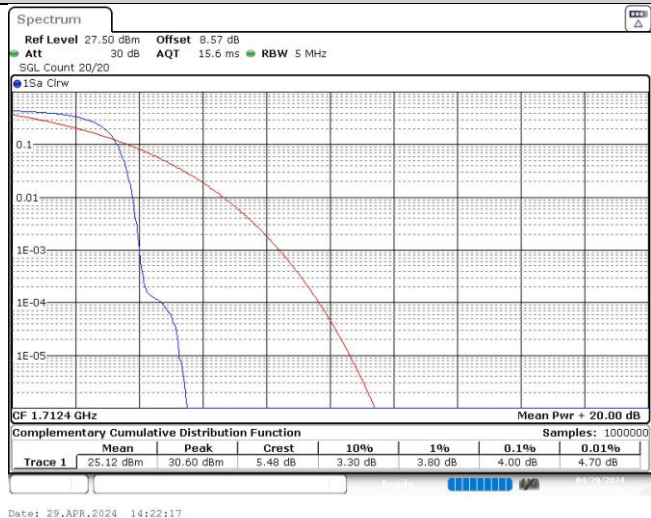
Band4-1312-1



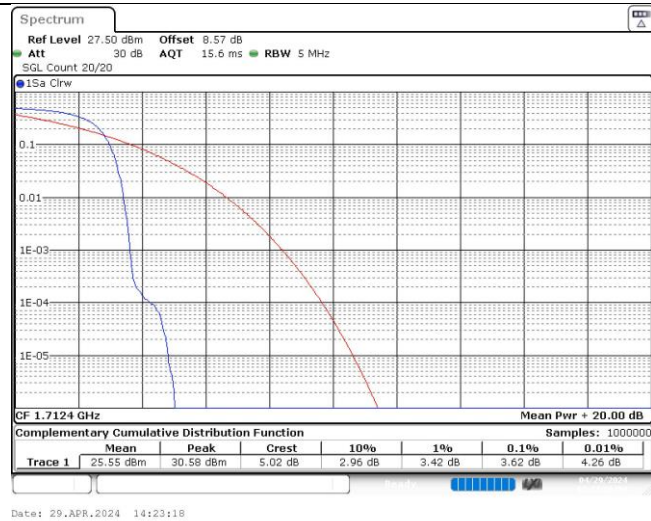
Band4-1312-2



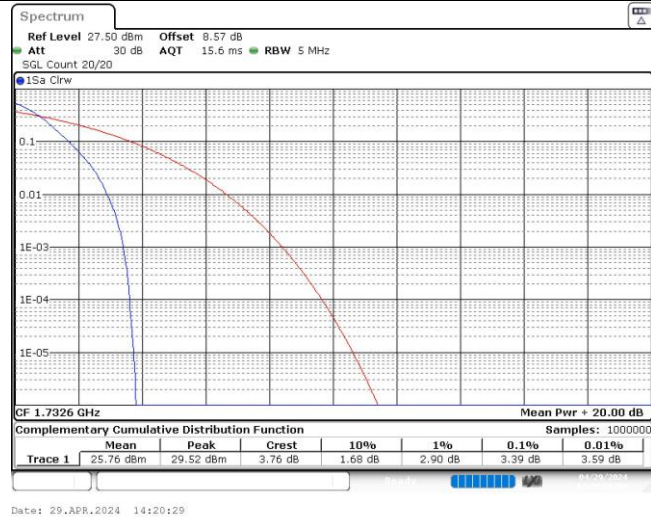
Band4-1312-3



Band4-1312-4



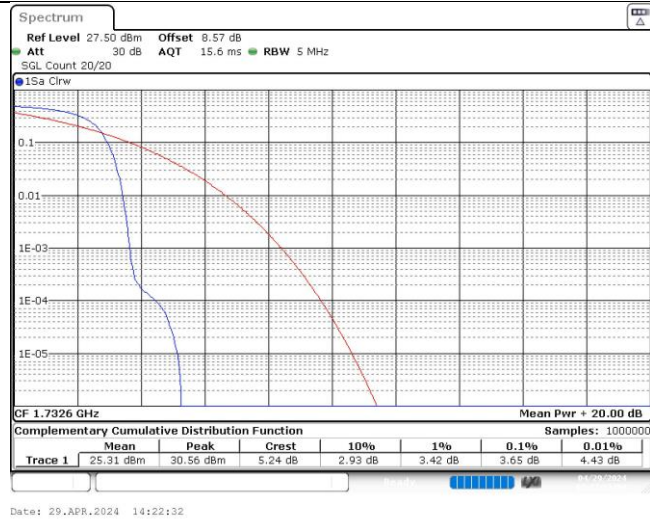
Band4-1413-1



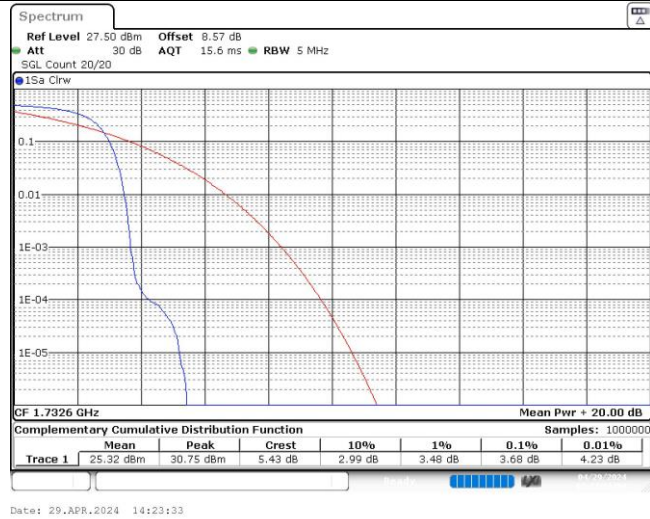
Band4-1413-2



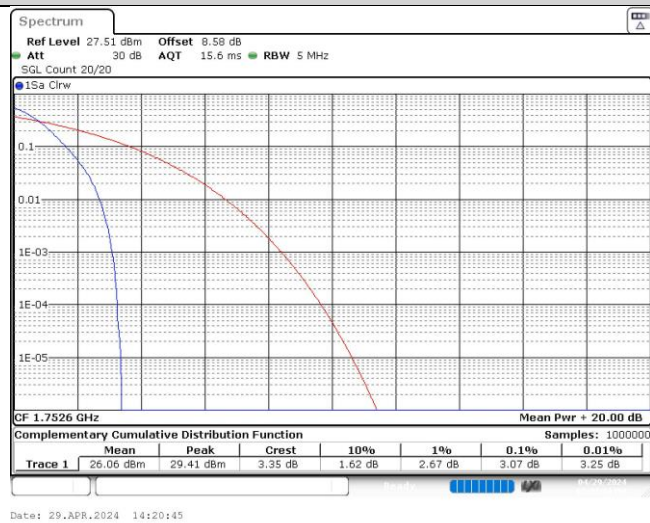
Band4-1413-3



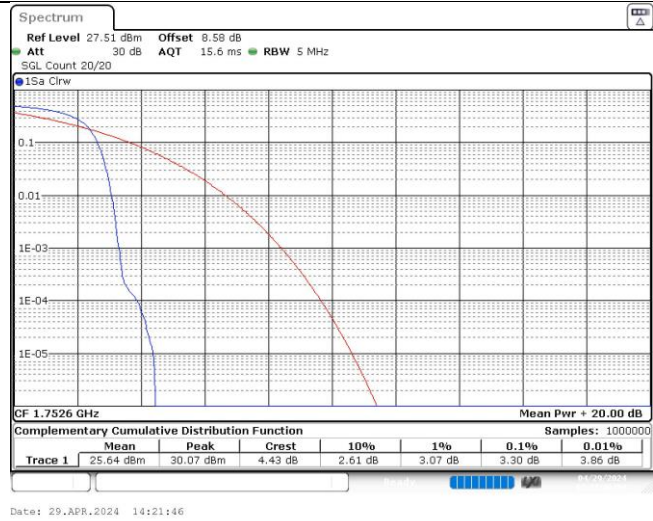
Band4-1413-4



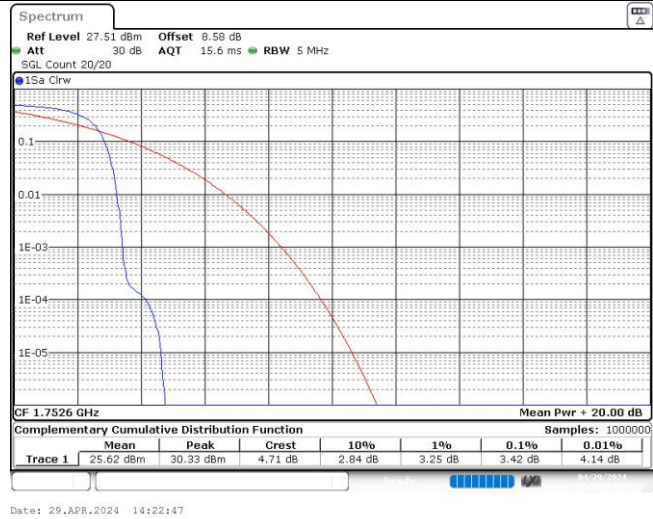
Band4-1513-1



Band4-1513-2



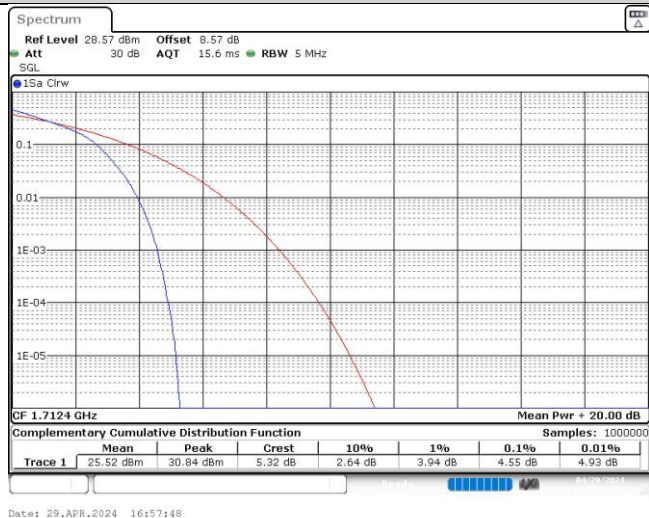
Band4-1513-3



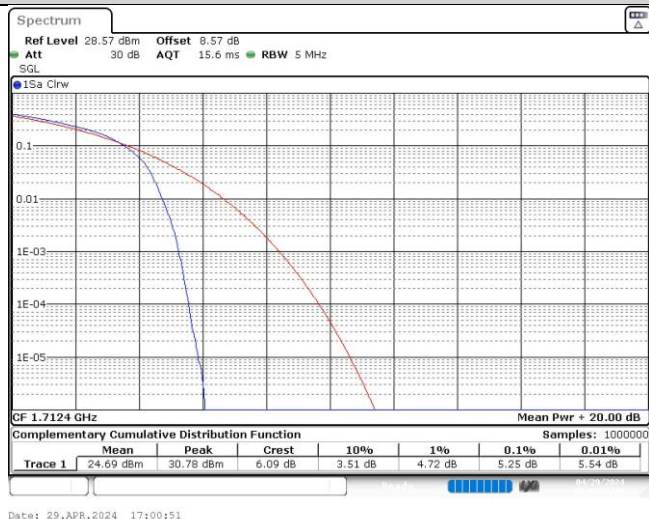
Band4-1513-4



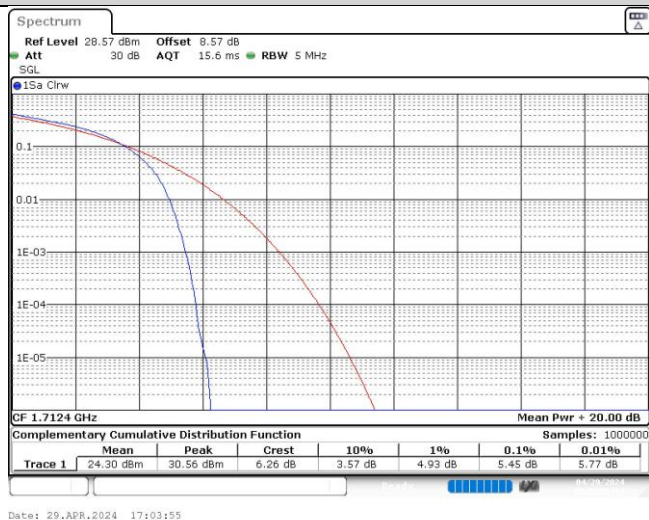
Band4-1312-1



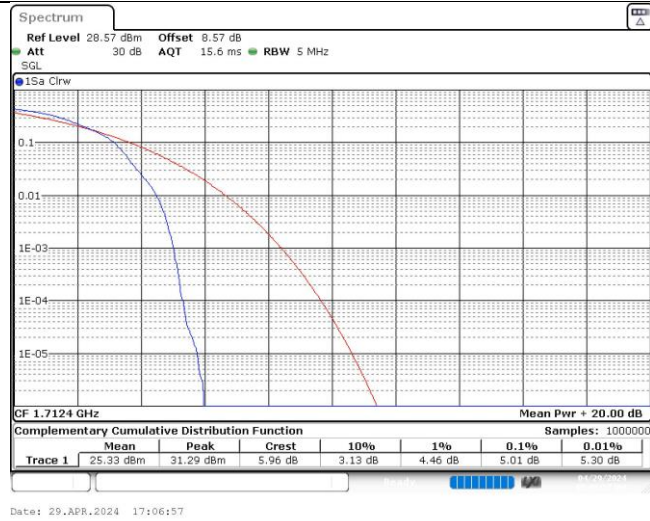
Band4-1312-2



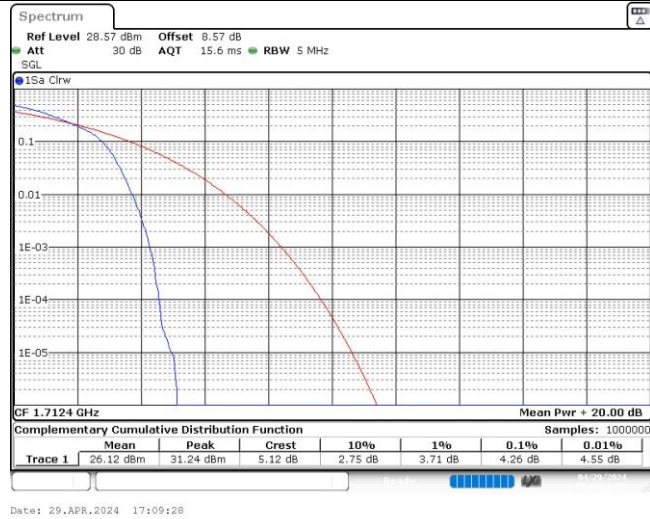
Band4-1312-3



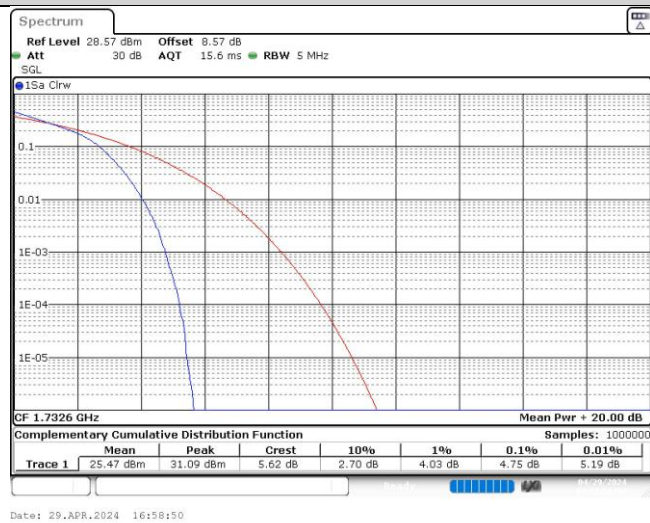
Band4-1312-4



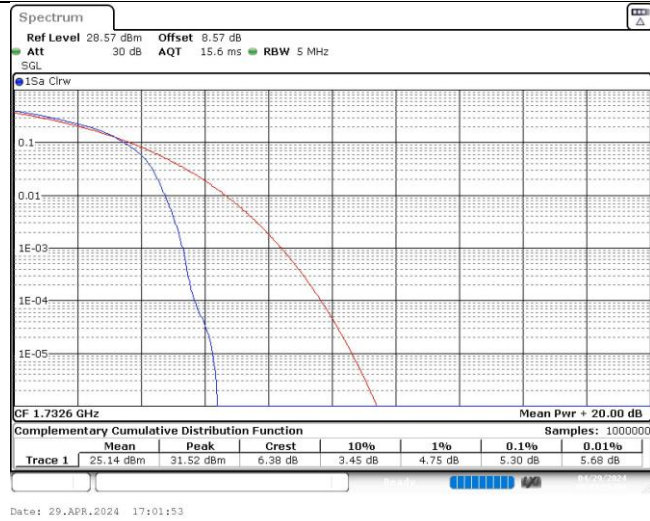
Band4-1312-5



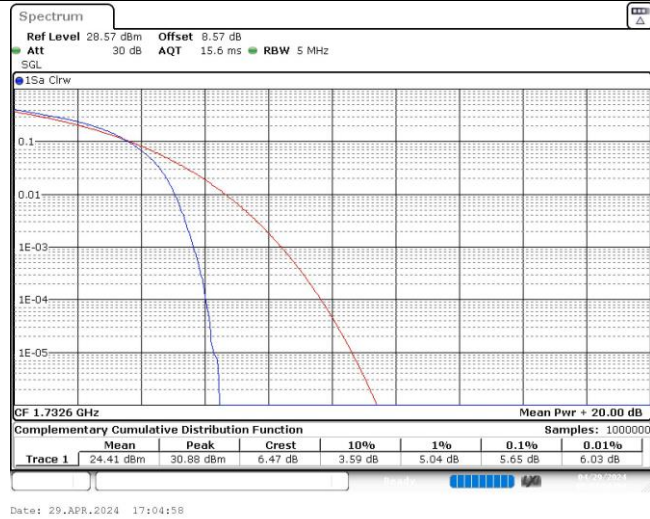
Band4-1413-1



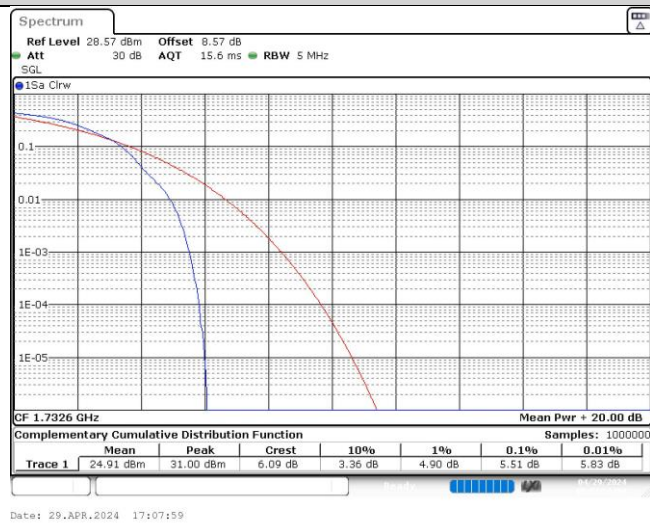
Band4-1413-2



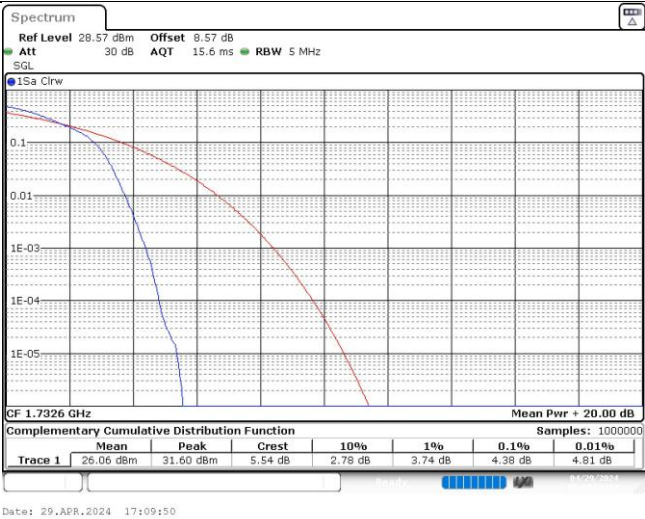
Band4-1413-3



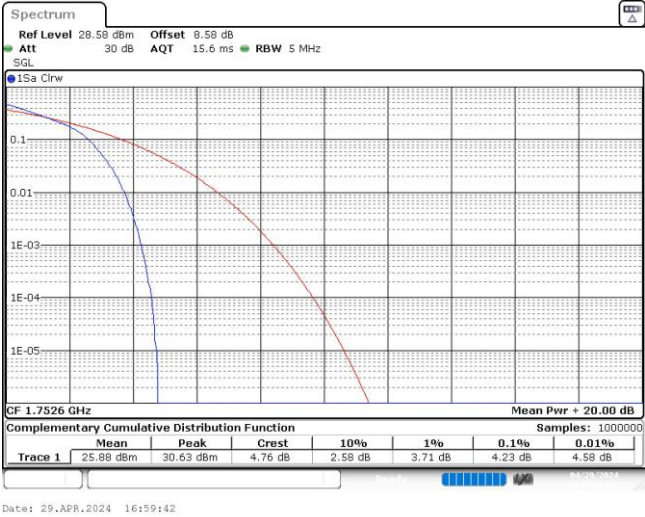
Band4-1413-4



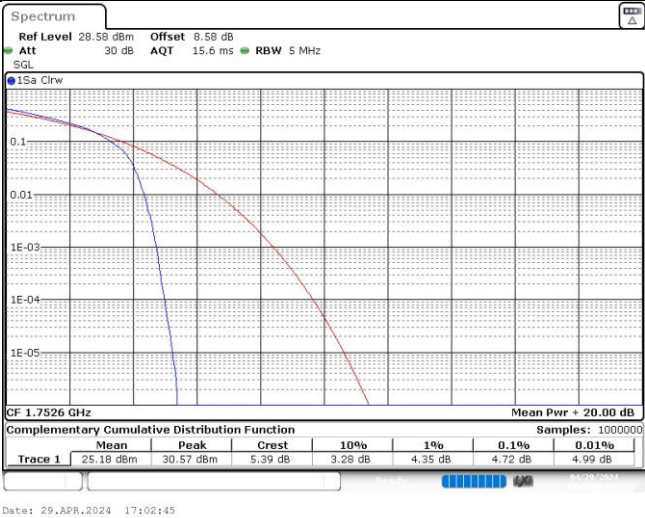
Band4-1413-5



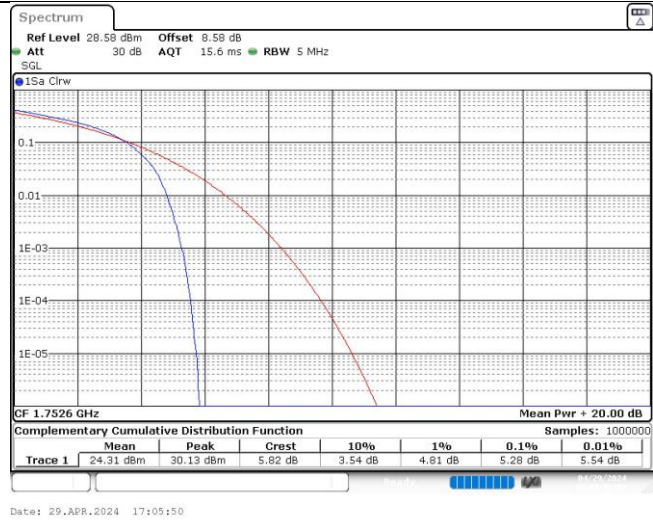
Band4-1513-1



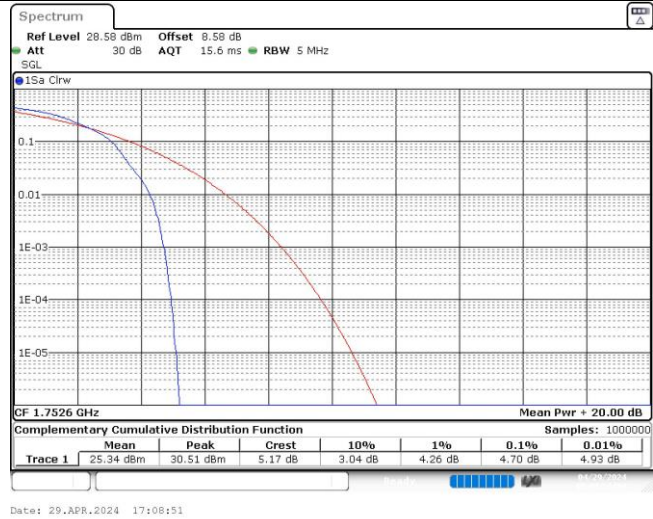
Band4-1513-2



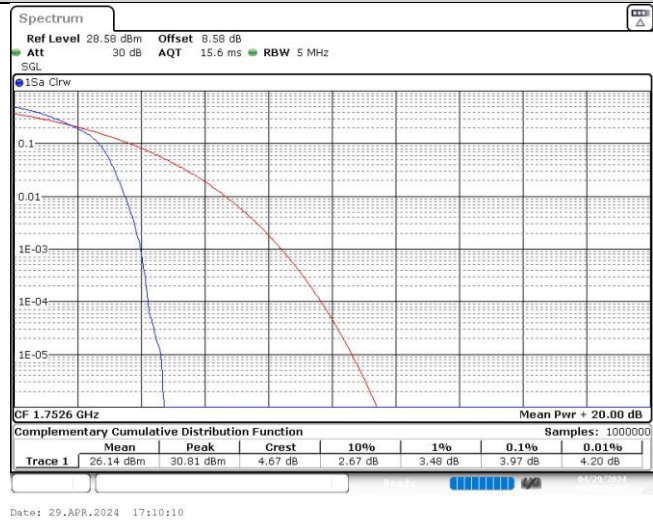
Band4-1513-3



Band4-1513-4



Band4-1513-5



APPENDIX B.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH

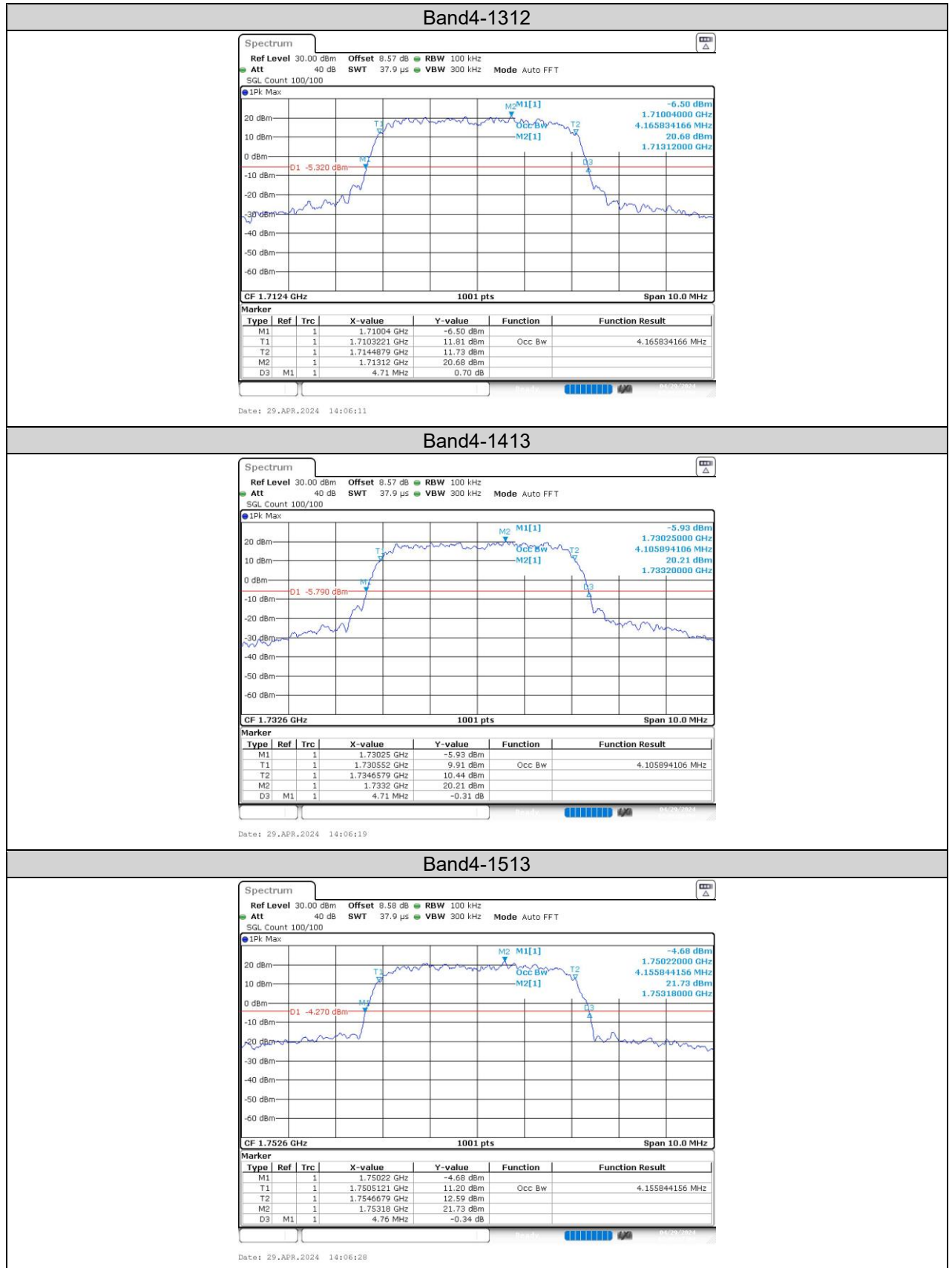
Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	4.166	4.71	---	PASS
Band4	1413	4.106	4.71	---	PASS
Band4	1513	4.156	4.76	---	PASS

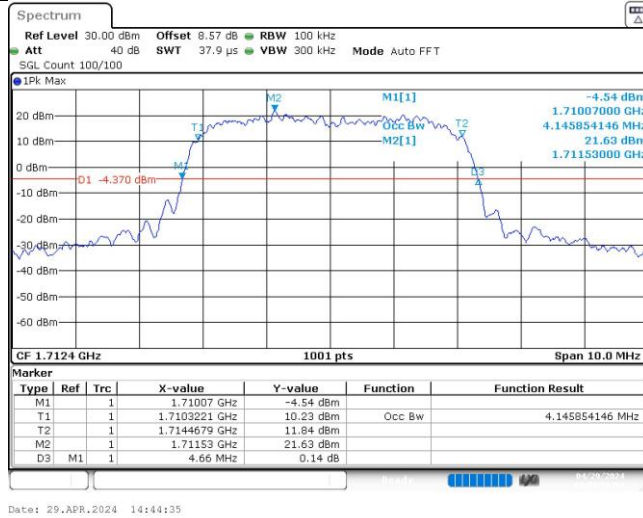
Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.146	4.66	---	PASS
Band4	1312	2	4.106	4.71	---	PASS
Band4	1312	3	4.146	4.73	---	PASS
Band4	1312	4	4.126	4.72	---	PASS
Band4	1413	1	4.146	4.70	---	PASS
Band4	1413	2	4.156	4.76	---	PASS
Band4	1413	3	4.146	4.75	---	PASS
Band4	1413	4	4.116	4.74	---	PASS
Band4	1513	1	4.136	4.73	---	PASS
Band4	1513	2	4.166	4.75	---	PASS
Band4	1513	3	4.136	4.71	---	PASS
Band4	1513	4	4.126	4.70	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.136	4.73	---	PASS
Band4	1312	2	4.136	4.71	---	PASS
Band4	1312	3	4.136	4.73	---	PASS
Band4	1312	4	4.126	4.70	---	PASS
Band4	1312	5	4.146	4.74	---	PASS
Band4	1413	1	4.146	4.71	---	PASS
Band4	1413	2	4.136	4.72	---	PASS
Band4	1413	3	4.156	4.73	---	PASS
Band4	1413	4	4.156	4.76	---	PASS
Band4	1413	5	4.166	4.73	---	PASS
Band4	1513	1	4.126	4.70	---	PASS
Band4	1513	2	4.146	4.71	---	PASS
Band4	1513	3	4.156	4.74	---	PASS
Band4	1513	4	4.136	4.70	---	PASS
Band4	1513	5	4.126	4.73	---	PASS

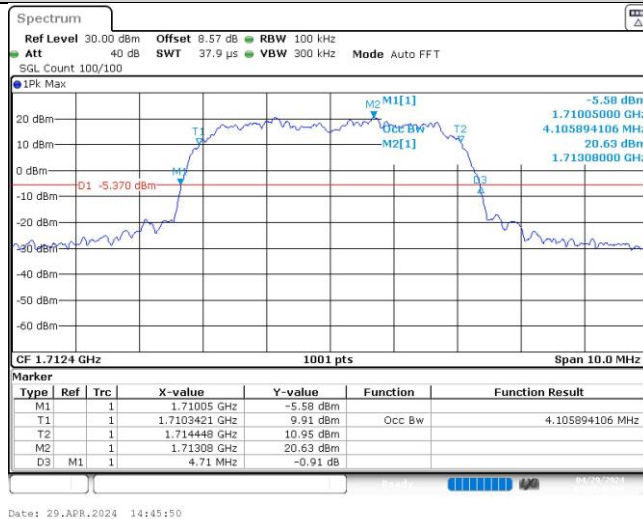
Test Graphs



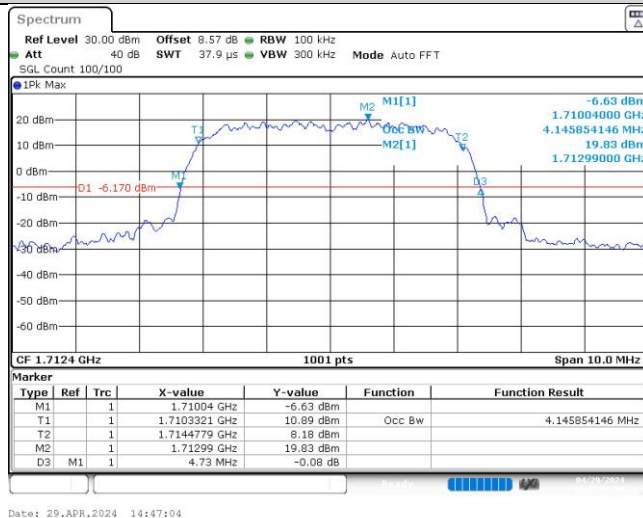
Band4-1312-1



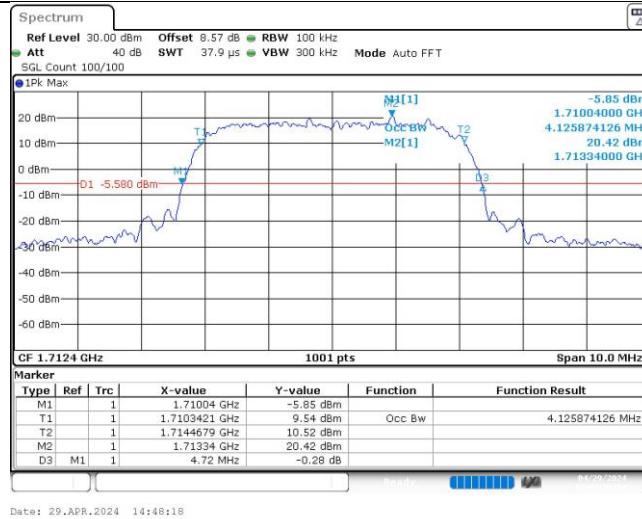
Band4-1312-2



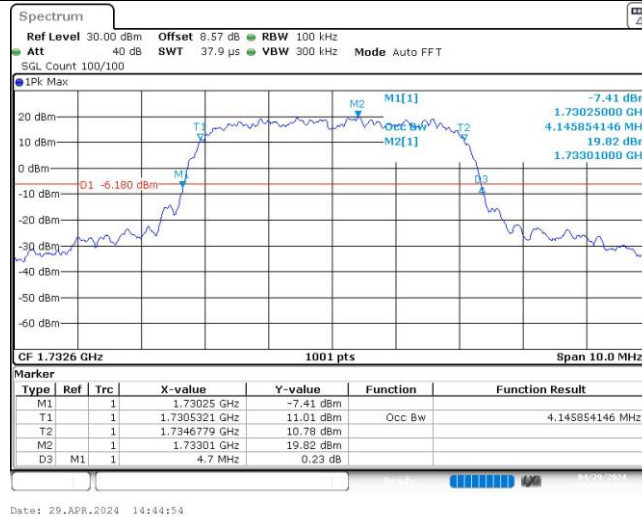
Band4-1312-3



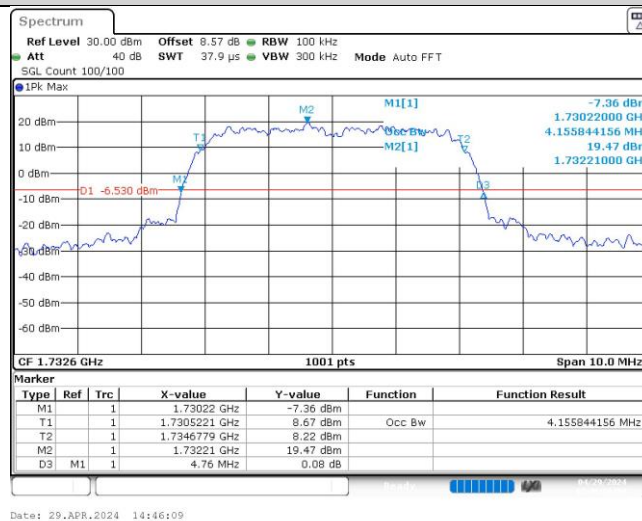
Band4-1312-4



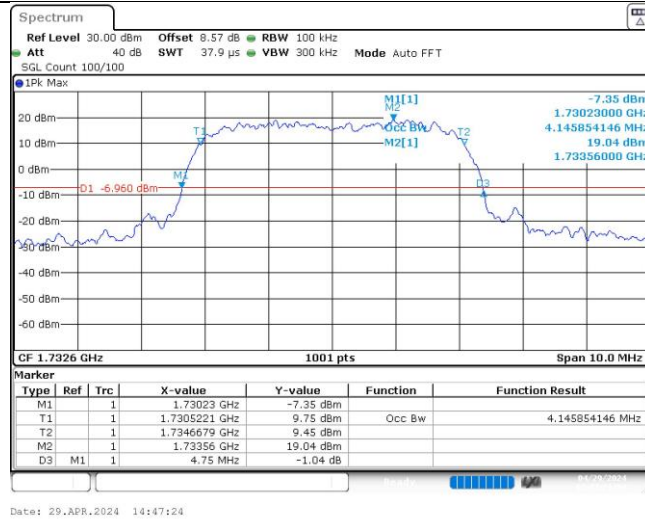
Band4-1413-1



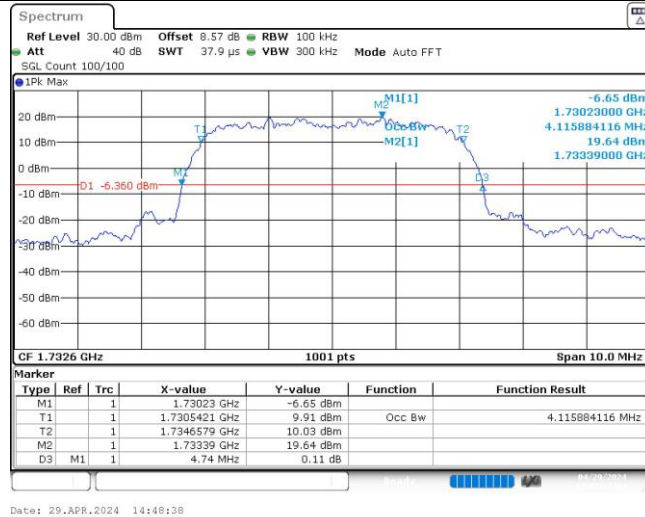
Band4-1413-2



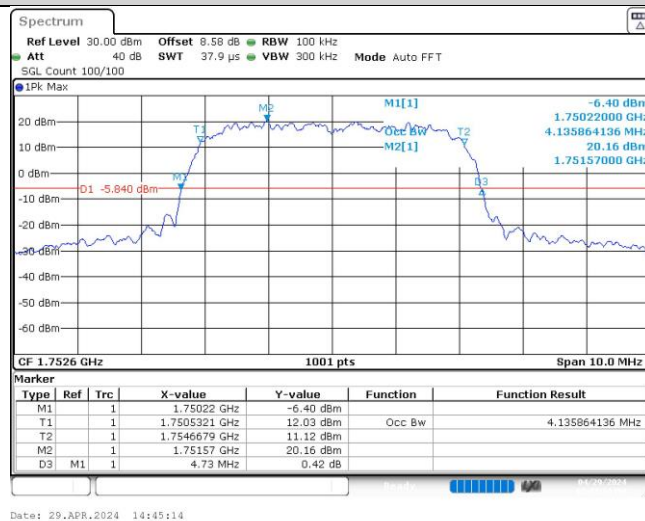
Band4-1413-3



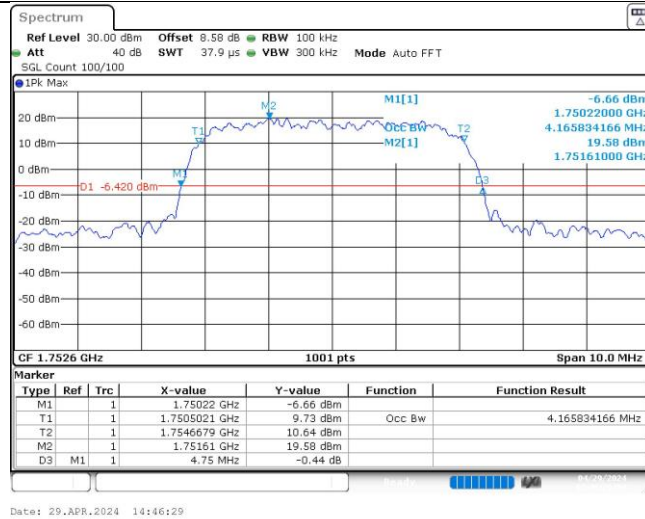
Band4-1413-4



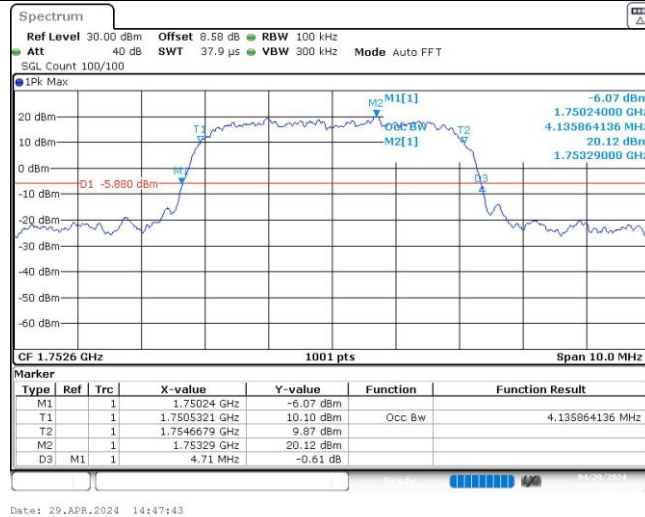
Band4-1513-1



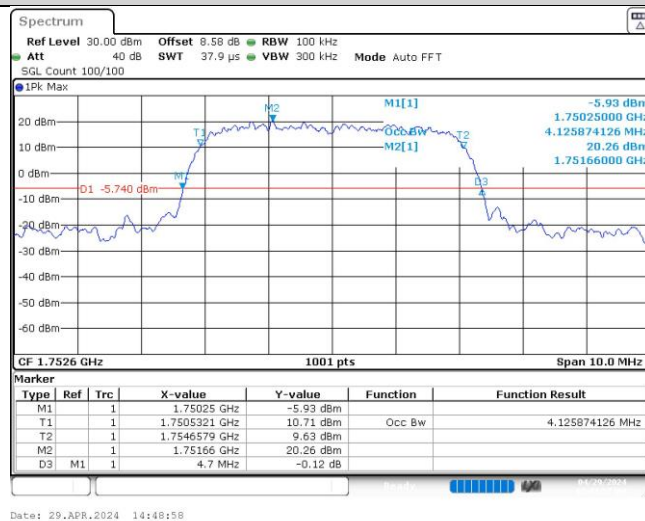
Band4-1513-2



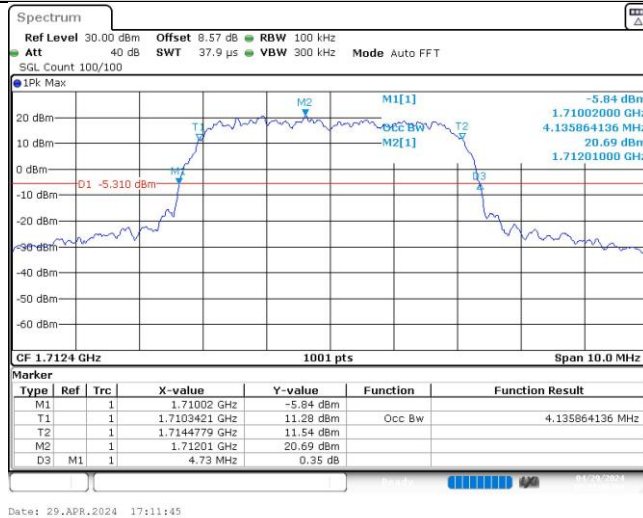
Band4-1513-3



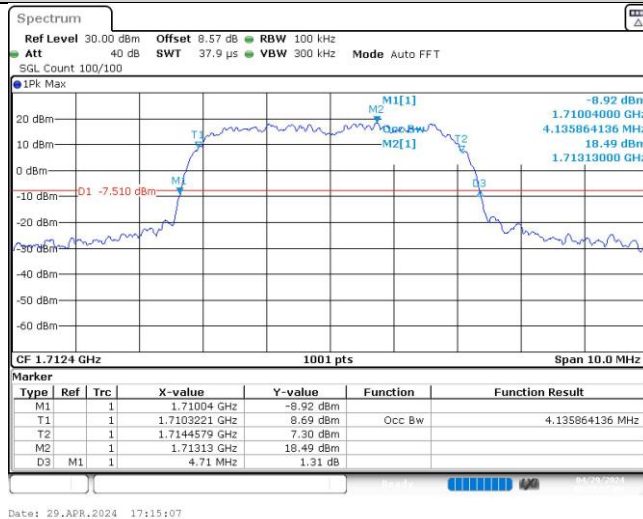
Band4-1513-4



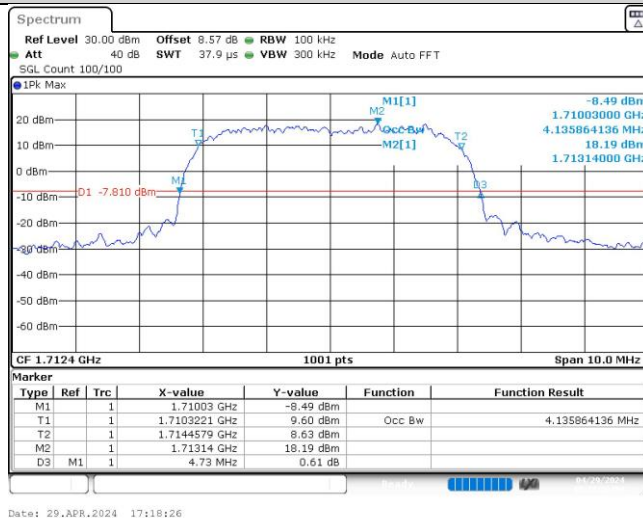
Band4-1312-1



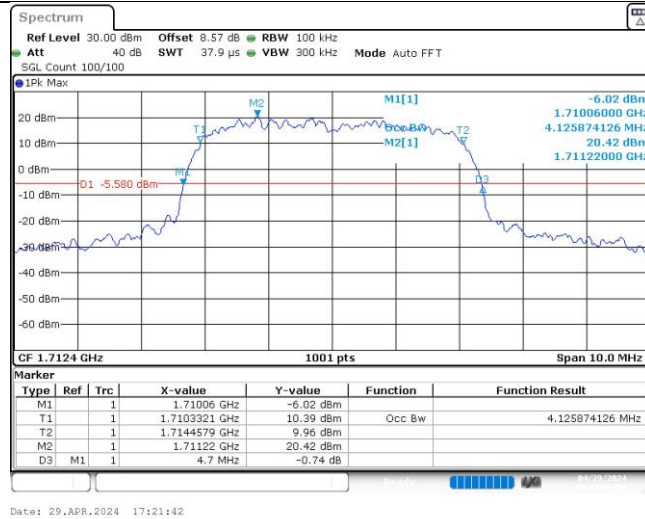
Band4-1312-2



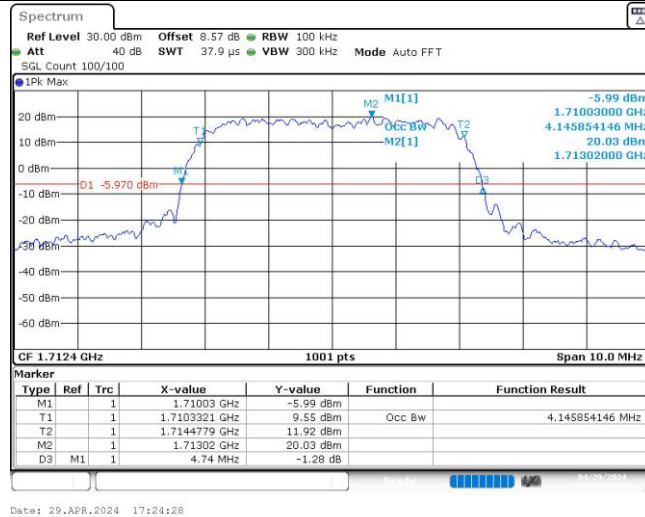
Band4-1312-3



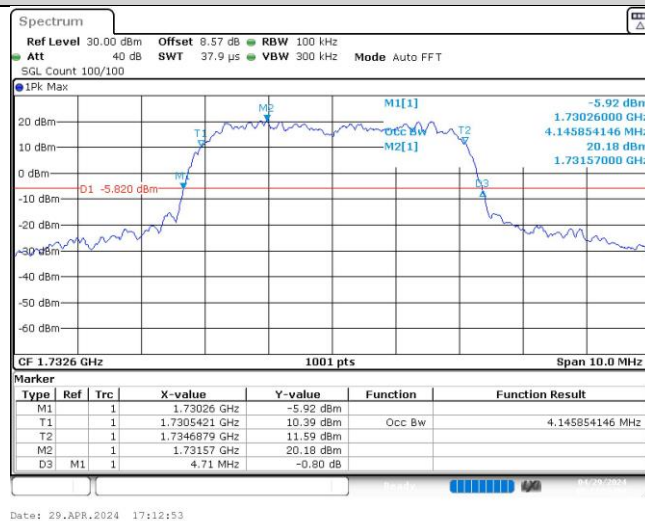
Band4-1312-4



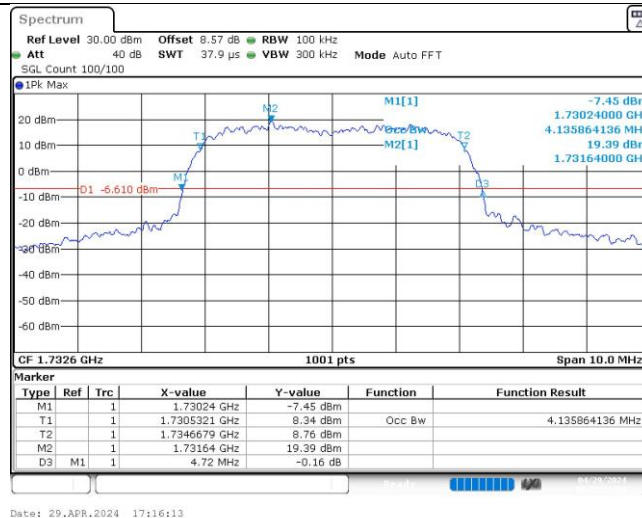
Band4-1312-5



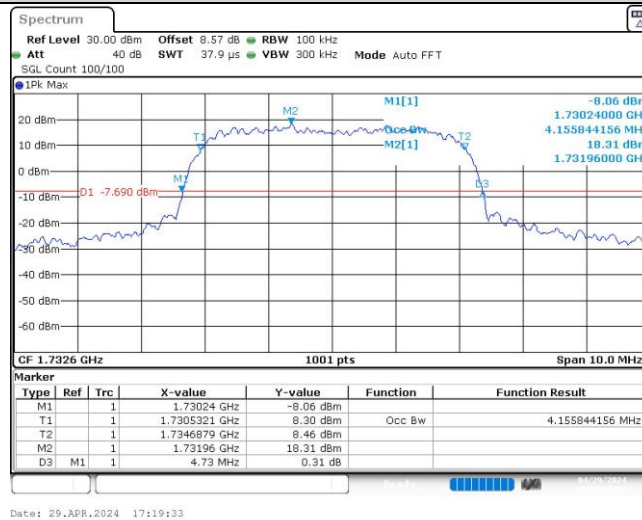
Band4-1413-1



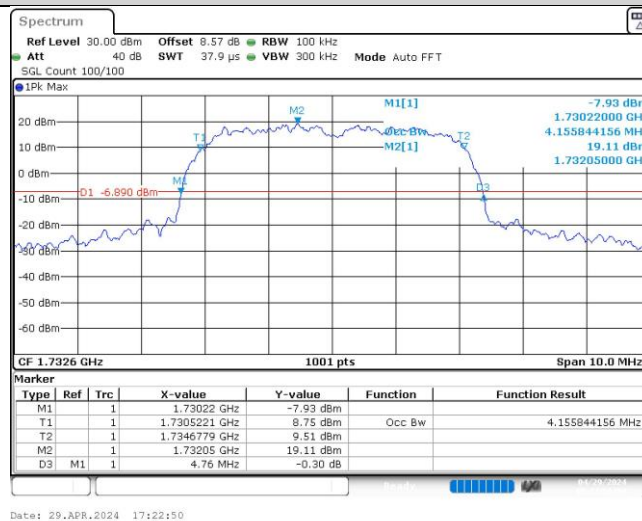
Band4-1413-2



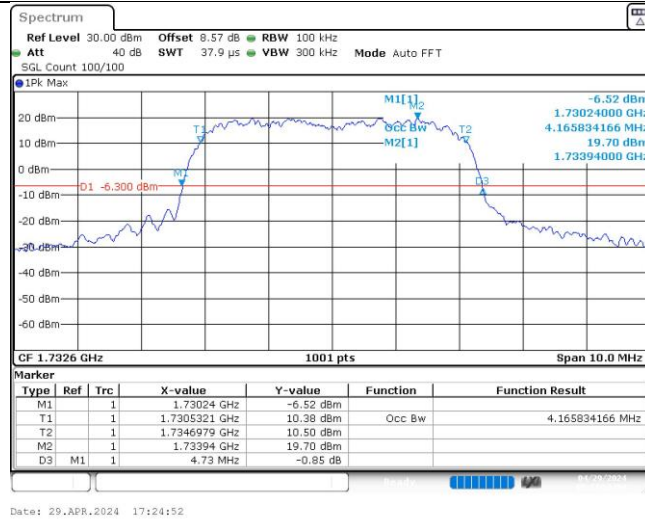
Band4-1413-3



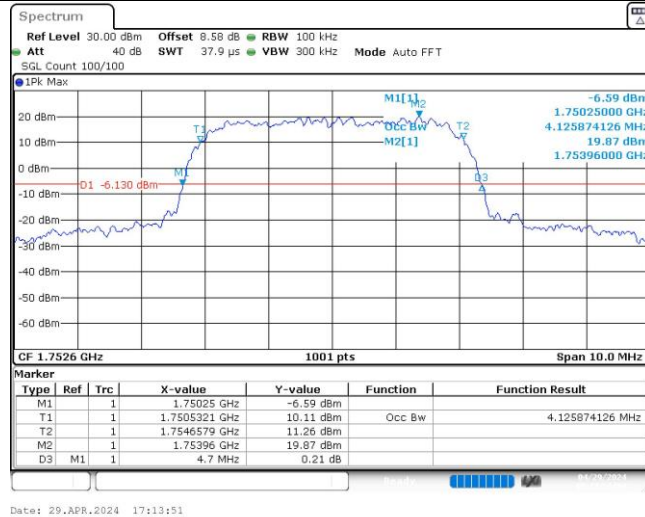
Band4-1413-4



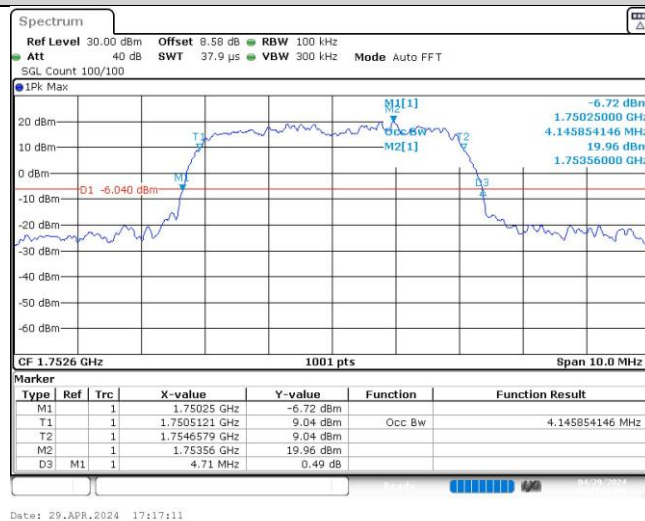
Band4-1413-5



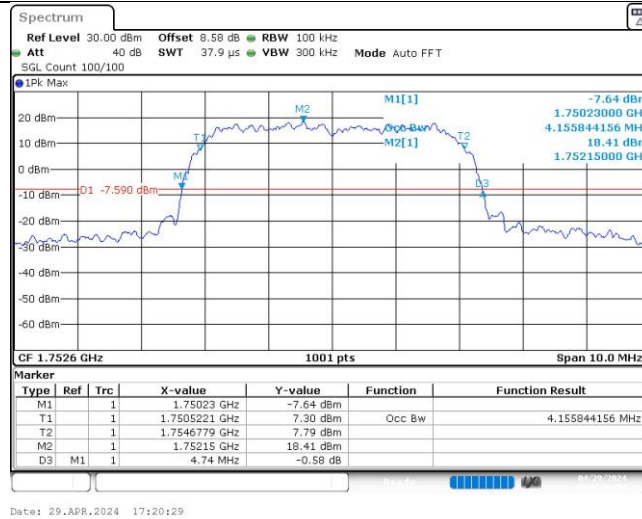
Band4-1513-1



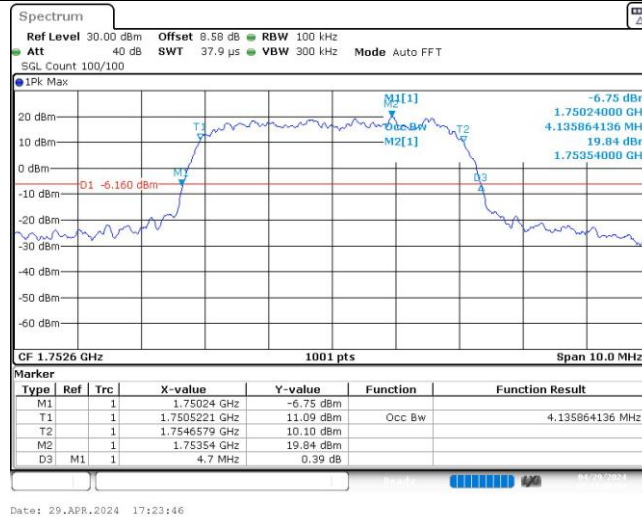
Band4-1513-2



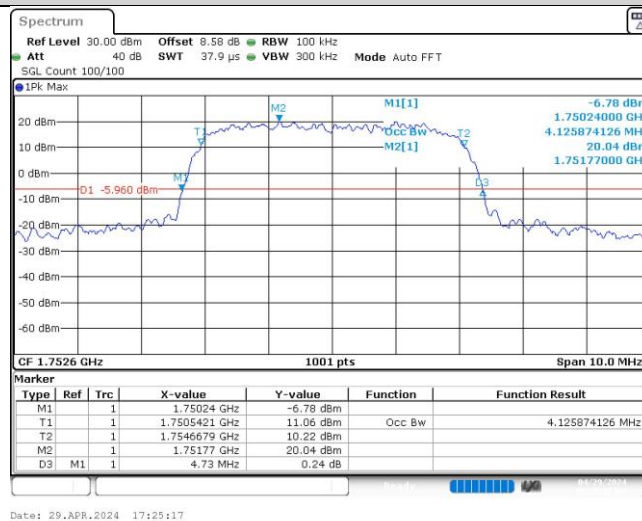
Band4-1513-3



Band4-1513-4



Band4-1513-5



APPENDIX B.4: BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1710.00	-14.83	-13	PASS
Band4	1513	1755.00	-15.35	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-16.93	-13	PASS
Band4	1312	2	1710.00	-16.30	-13	PASS
Band4	1312	3	1710.00	-15.84	-13	PASS
Band4	1312	4	1710.00	-15.84	-13	PASS
Band4	1513	1	1755.00	-17.02	-13	PASS
Band4	1513	2	1755.00	-17.03	-13	PASS
Band4	1513	3	1755.20	-18.31	-13	PASS
Band4	1513	4	1755.13	-18.89	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-16.39	-13	PASS
Band4	1312	2	1710.00	-19.43	-13	PASS
Band4	1312	3	1709.85	-20.58	-13	PASS
Band4	1312	4	1710.00	-19.71	-13	PASS
Band4	1312	5	1710.00	-17.74	-13	PASS
Band4	1513	1	1755.00	-18.93	-13	PASS
Band4	1513	2	1755.00	-18.61	-13	PASS
Band4	1513	3	1755.00	-18.54	-13	PASS
Band4	1513	4	1755.00	-16.50	-13	PASS
Band4	1513	5	1755.00	-15.73	-13	PASS

Test Graphs



Band4-1312-1



Band4-1312-2



Band4-1312-3



Band4-1312-4



Band4-1513-1



Band4-1513-2



Band4-1513-3



Band4-1513-4

