

APPENDIX I: TEST RESULTS FOR E-UTRA OPERATING BAND 13

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APPENDIX I.1: EFFECTIVE (ISOTROPIC) RADIATED POWER

Test Result

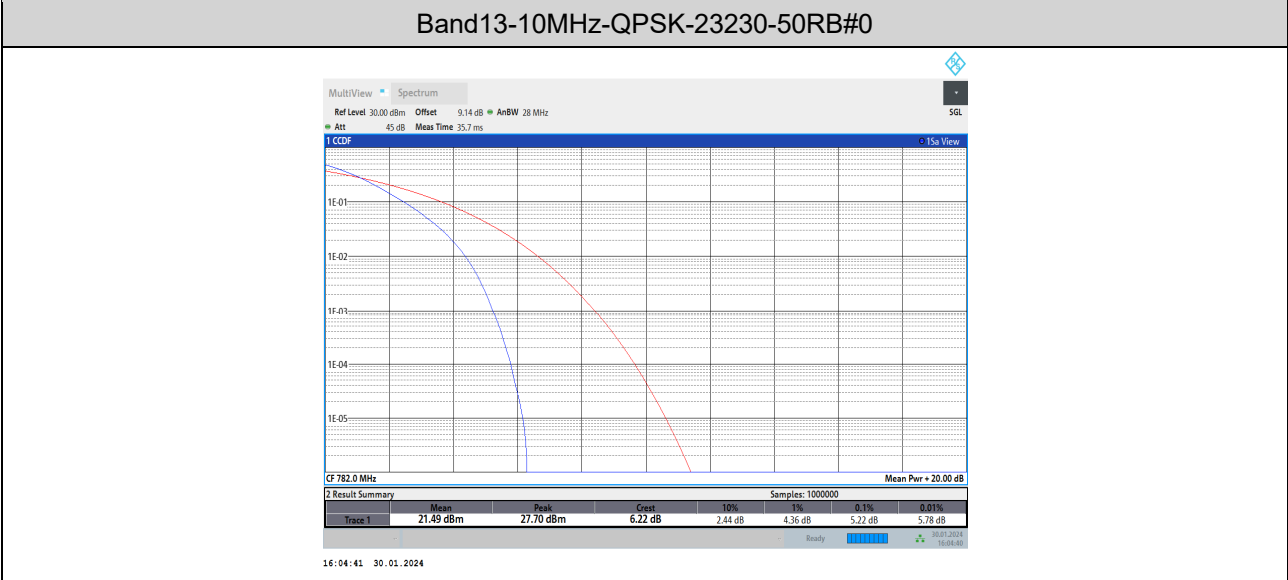
Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Result (dBm)	ERP Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.61	21.46	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.48	21.33	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.83	21.68	PASS
Band13	5MHz	QPSK	23205	12RB#0	21.49	20.34	PASS
Band13	5MHz	QPSK	23205	12RB#6	21.50	20.35	PASS
Band13	5MHz	QPSK	23205	12RB#13	21.71	20.56	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.64	20.49	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.49	21.34	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.99	21.84	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.59	21.44	PASS
Band13	5MHz	QPSK	23230	12RB#0	21.69	20.54	PASS
Band13	5MHz	QPSK	23230	12RB#6	21.67	20.52	PASS
Band13	5MHz	QPSK	23230	12RB#13	21.94	20.79	PASS
Band13	5MHz	QPSK	23230	25RB#0	21.83	20.68	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.87	21.72	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.58	21.43	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.43	21.28	PASS
Band13	5MHz	QPSK	23255	12RB#0	21.86	20.71	PASS
Band13	5MHz	QPSK	23255	12RB#6	21.89	20.74	PASS
Band13	5MHz	QPSK	23255	12RB#13	21.66	20.51	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.79	20.64	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.58	21.43	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.98	21.83	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.61	21.46	PASS
Band13	10MHz	QPSK	23230	25RB#0	21.71	20.56	PASS
Band13	10MHz	QPSK	23230	25RB#12	21.60	20.45	PASS
Band13	10MHz	QPSK	23230	25RB#25	21.80	20.65	PASS
Band13	10MHz	QPSK	23230	50RB#0	21.79	20.64	PASS

APPENDIX I.2: PEAK-TO AVERAGE RATIO

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	5.22	13	PASS

Test Graphs



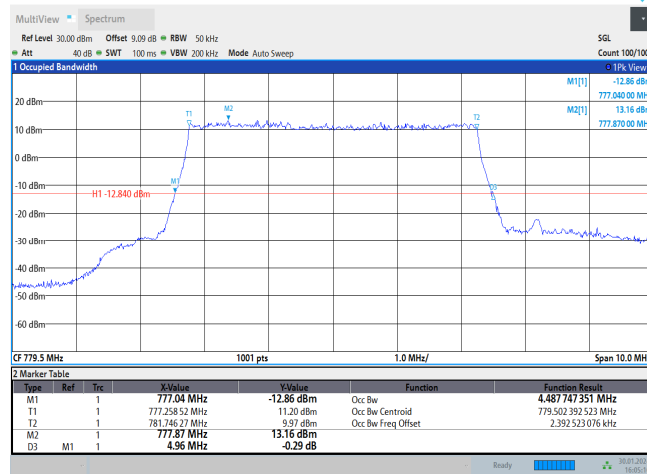
APPENDIX I.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.488	4.96	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.463	4.91	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.458	4.90	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.907	9.67	PASS

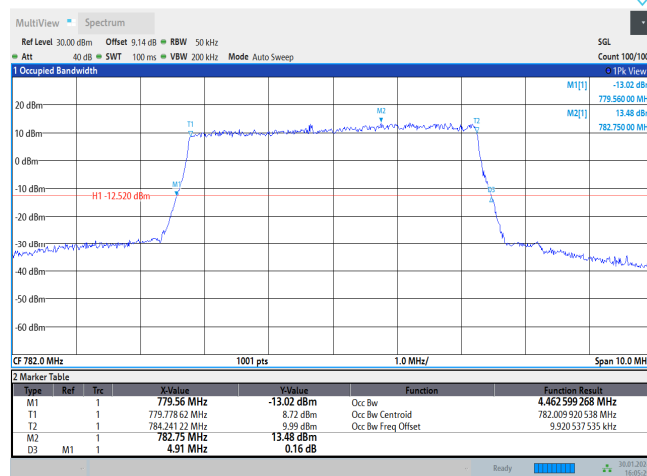
Test Graphs

Band13-5MHz-QPSK-23205-25RB#0



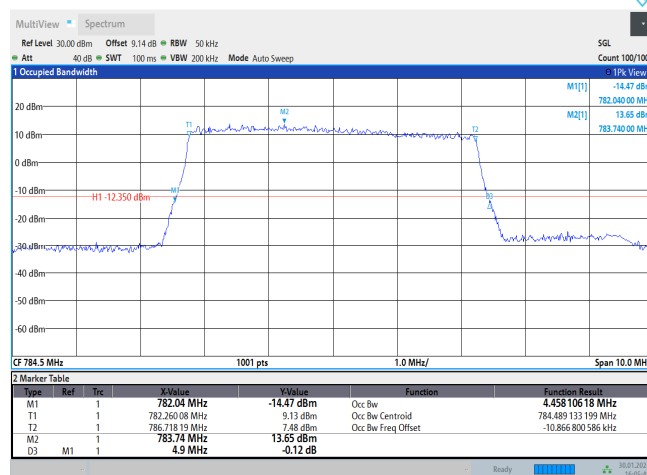
16:05:11 30.01.2024

Band13-5MHz-QPSK-23230-25RB#0



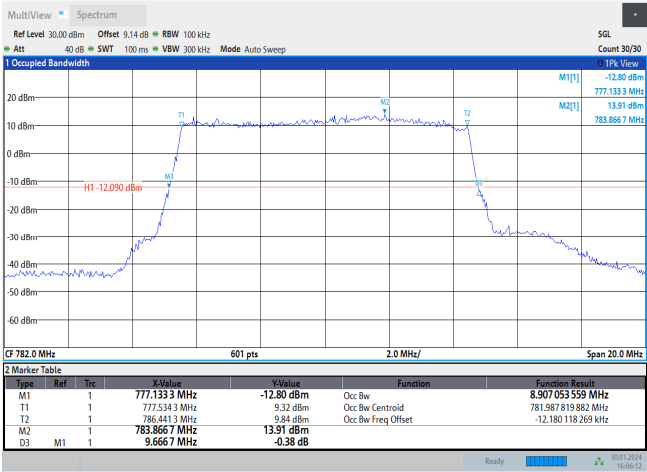
16:05:30 30.01.2024

Band13-5MHz-QPSK-23255-25RB#0



16:05:49 30.01.2024

Band13-10MHz-QPSK-23230-50RB#0



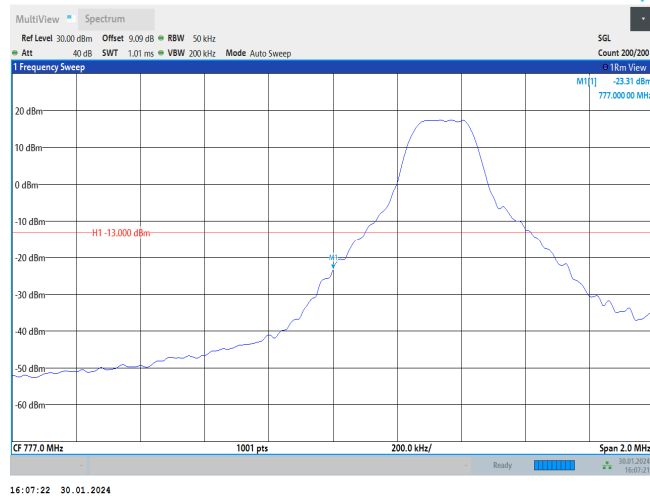
APPENDIX I.4: BAND EDGE

Test Result

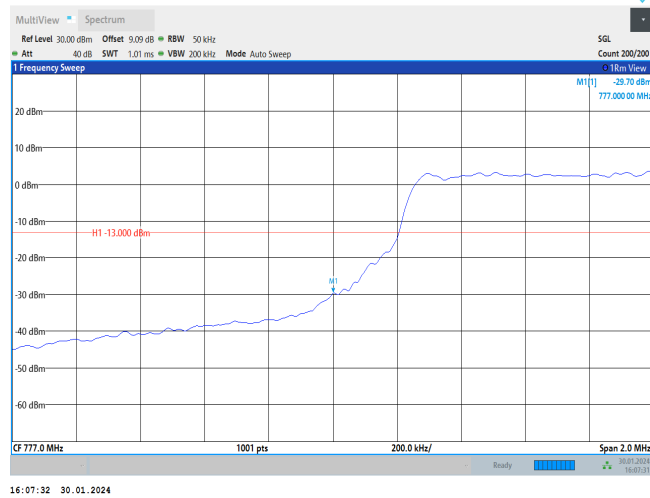
Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-23.31	PASS
Band13	5MHz	QPSK	23205	25RB#0	-29.70	PASS
Band13	5MHz	QPSK	23255	1RB#24	-22.31	PASS
Band13	5MHz	QPSK	23255	25RB#0	-32.21	PASS
Band13	10MHz	QPSK	23230	1RB#0	-30.69,-50.69	PASS
Band13	10MHz	QPSK	23230	1RB#49	-47.11,-34.11	PASS
Band13	10MHz	QPSK	23230	50RB#0	-34.56,-34.99	PASS

Test Graphs

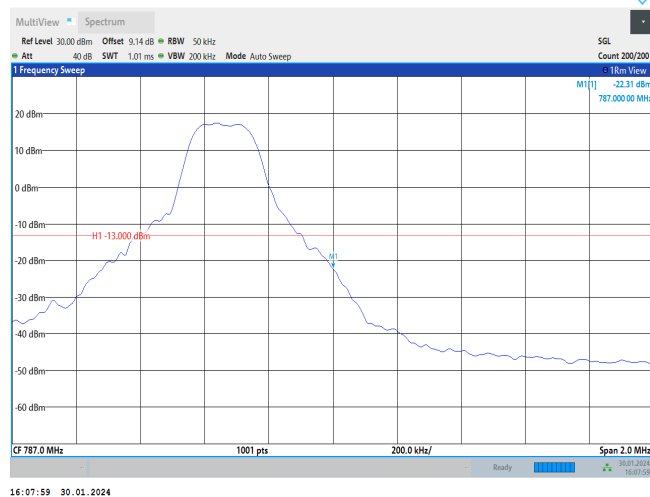
Band13-5MHz-QPSK-23205-1RB#0



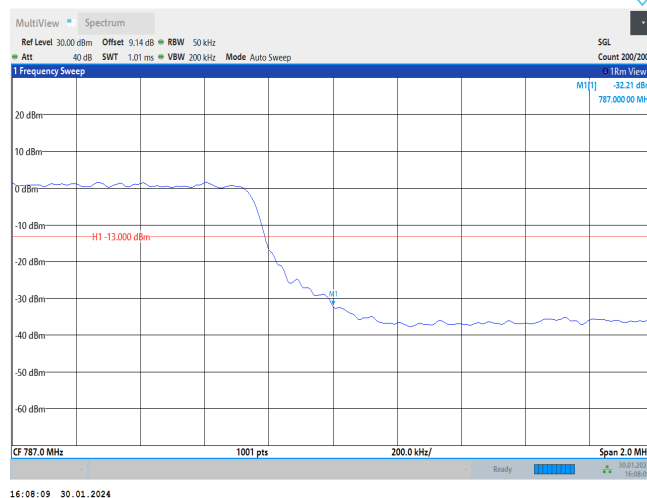
Band13-5MHz-QPSK-23205-25RB#0



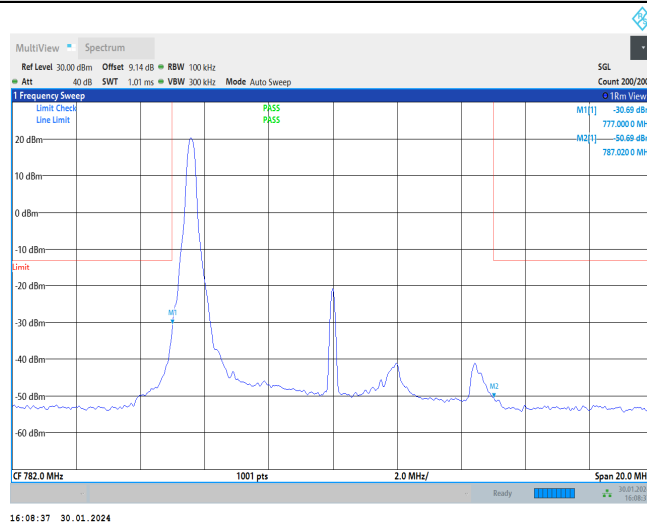
Band13-5MHz-QPSK-23255-1RB#24



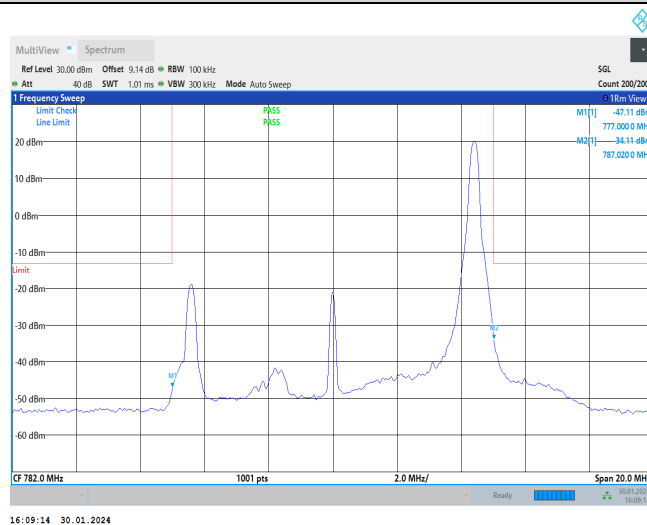
Band13-5MHz-QPSK-23255-25RB#0



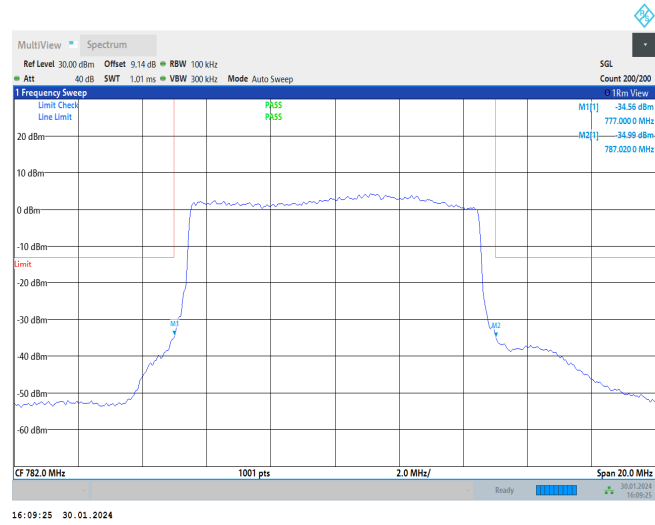
Band13-10MHz-QPSK-23230-1RB#0



Band13-10MHz-QPSK-23230-1RB#49



Band13-10MHz-QPSK-23230-50RB#0



APPENDIX I.5: CONDUCTED SPURIOUS EMISSIONS

Test Result

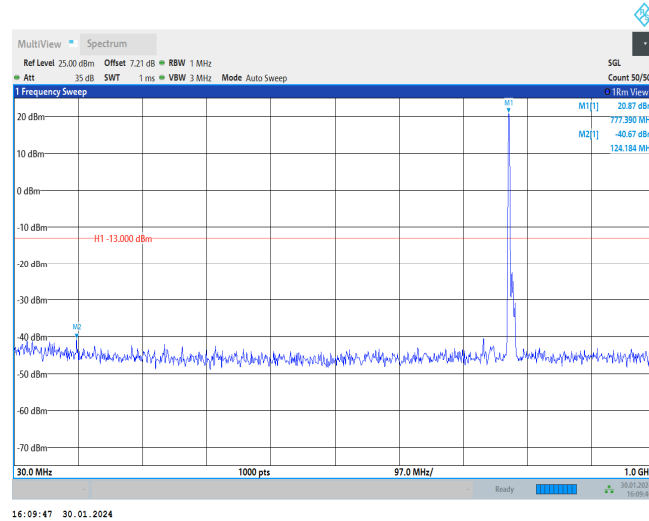
General:

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-40.67	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-42.11	PASS

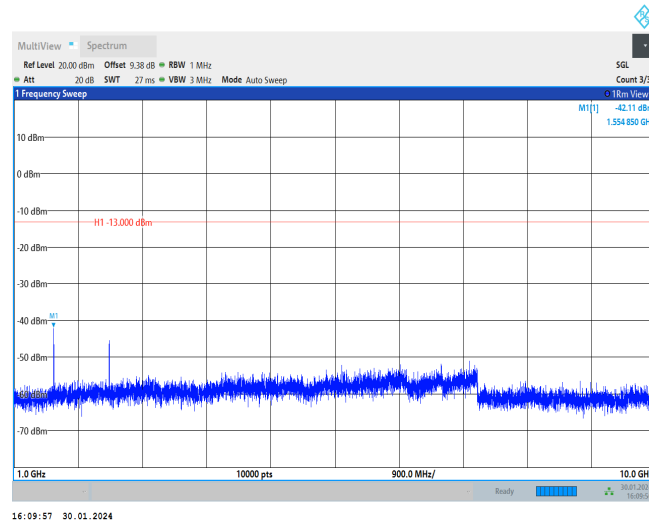
Test Graphs

General:

Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



Band13-10MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



APPENDIX I.6: FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-3.76	-0.004808	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-3.16	-0.004041	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-4.28	-0.005473	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-2.59	-0.003312	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-3.26	-0.004169	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-3.15	-0.004028	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-4.23	-0.005409	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-2.72	-0.003478	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-2.23	-0.002852	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-2.05	-0.002621	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	1.24	0.001586	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	60	-2.63	-0.003363	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	70	0.96	0.001228	±2.5	PASS