

APPENDIX J: TEST RESULTS FOR E-UTRA OPERATING BAND 14

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APPENDIX J.1: EFFECTIVE (ISOTROPIC) RADIATED POWER

Test Result

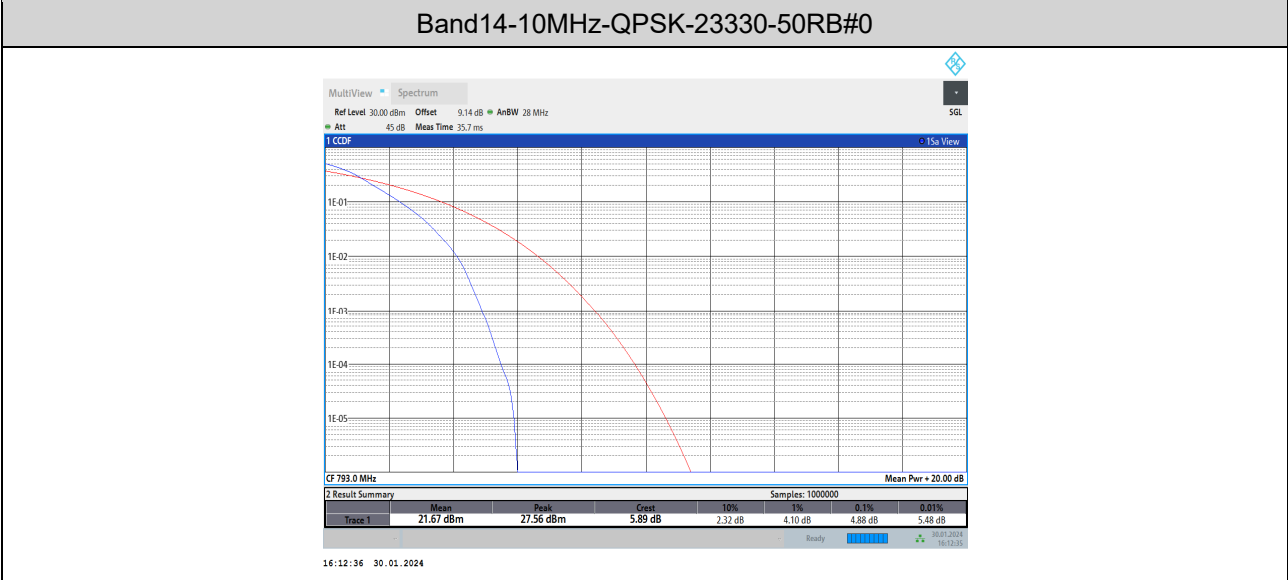
Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Result (dBm)	ERP Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	22.72	21.57	PASS
Band14	5MHz	QPSK	23305	1RB#12	22.65	21.50	PASS
Band14	5MHz	QPSK	23305	1RB#24	22.77	21.62	PASS
Band14	5MHz	QPSK	23305	12RB#0	21.71	20.56	PASS
Band14	5MHz	QPSK	23305	12RB#6	21.71	20.56	PASS
Band14	5MHz	QPSK	23305	12RB#13	21.94	20.79	PASS
Band14	5MHz	QPSK	23305	25RB#0	21.83	20.68	PASS
Band14	5MHz	QPSK	23330	1RB#0	22.65	21.50	PASS
Band14	5MHz	QPSK	23330	1RB#12	22.95	21.80	PASS
Band14	5MHz	QPSK	23330	1RB#24	22.70	21.55	PASS
Band14	5MHz	QPSK	23330	12RB#0	21.74	20.59	PASS
Band14	5MHz	QPSK	23330	12RB#6	21.74	20.59	PASS
Band14	5MHz	QPSK	23330	12RB#13	21.93	20.78	PASS
Band14	5MHz	QPSK	23330	25RB#0	21.84	20.69	PASS
Band14	5MHz	QPSK	23355	1RB#0	22.77	21.62	PASS
Band14	5MHz	QPSK	23355	1RB#12	22.65	21.50	PASS
Band14	5MHz	QPSK	23355	1RB#24	22.78	21.63	PASS
Band14	5MHz	QPSK	23355	12RB#0	22.02	20.87	PASS
Band14	5MHz	QPSK	23355	12RB#6	22.04	20.89	PASS
Band14	5MHz	QPSK	23355	12RB#13	21.90	20.75	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.10	20.95	PASS
Band14	10MHz	QPSK	23330	1RB#0	22.39	21.24	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.03	21.88	PASS
Band14	10MHz	QPSK	23330	1RB#49	22.85	21.70	PASS
Band14	10MHz	QPSK	23330	25RB#0	21.79	20.64	PASS
Band14	10MHz	QPSK	23330	25RB#12	21.79	20.64	PASS
Band14	10MHz	QPSK	23330	25RB#25	22.02	20.87	PASS
Band14	10MHz	QPSK	23330	50RB#0	21.83	20.68	PASS

APPENDIX J.2: PEAK-TO AVERAGE RATIO

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	4.88	13	PASS

Test Graphs



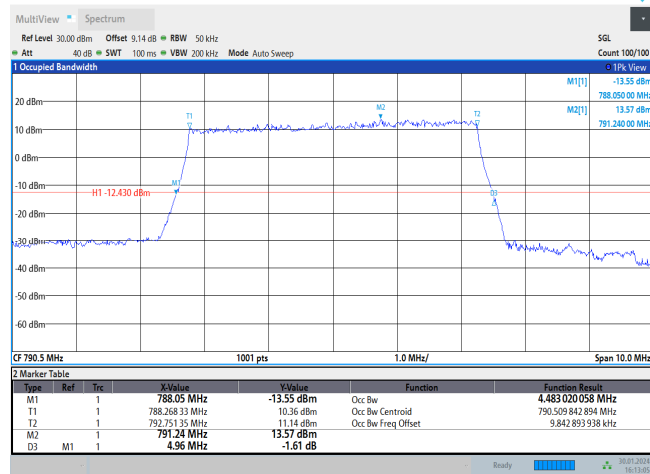
APPENDIX J.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

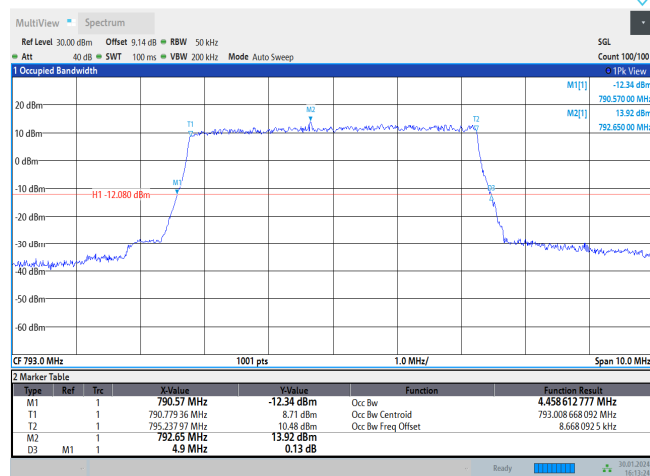
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.483	4.96	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.459	4.90	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.472	4.91	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.881	9.70	PASS

Test Graphs

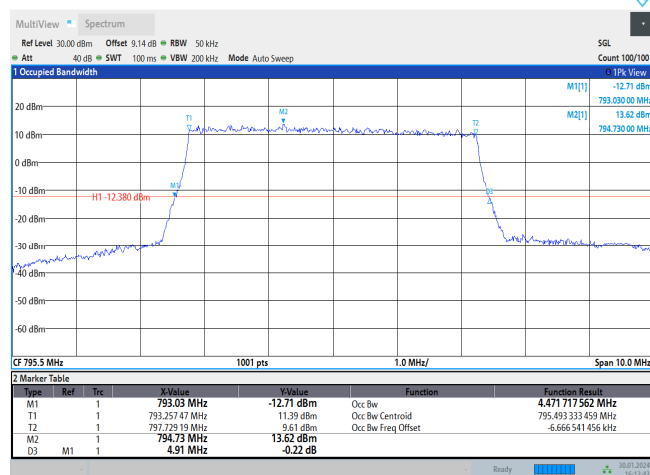
Band14-5MHz-QPSK-23305-25RB#0



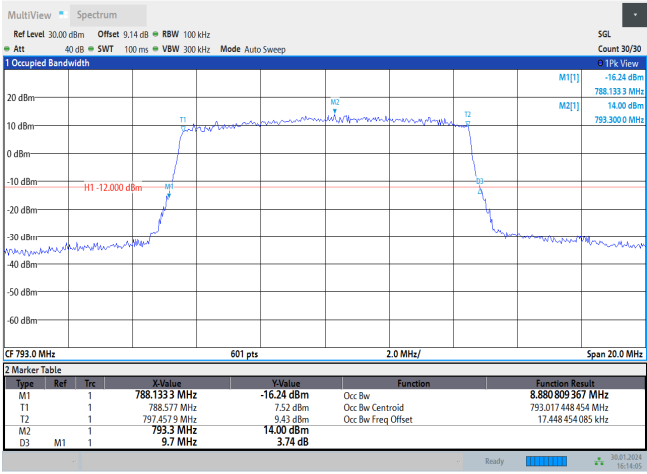
Band14-5MHz-QPSK-23330-25RB#0



Band14-5MHz-QPSK-23355-25RB#0



Band14-10MHz-QPSK-23330-50RB#0



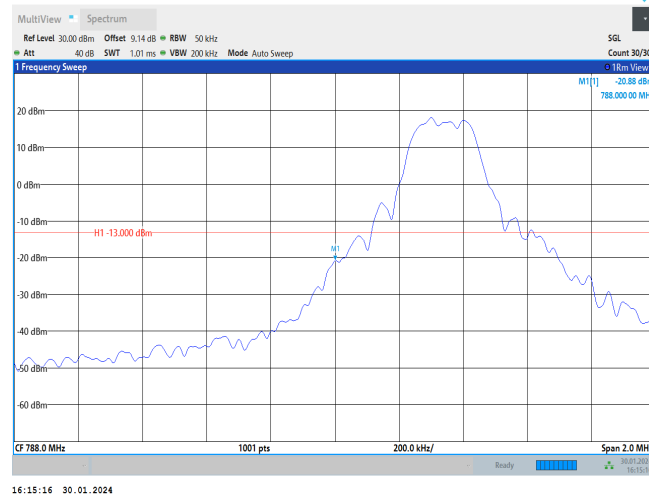
APPENDIX J.4: BAND EDGE

Test Result

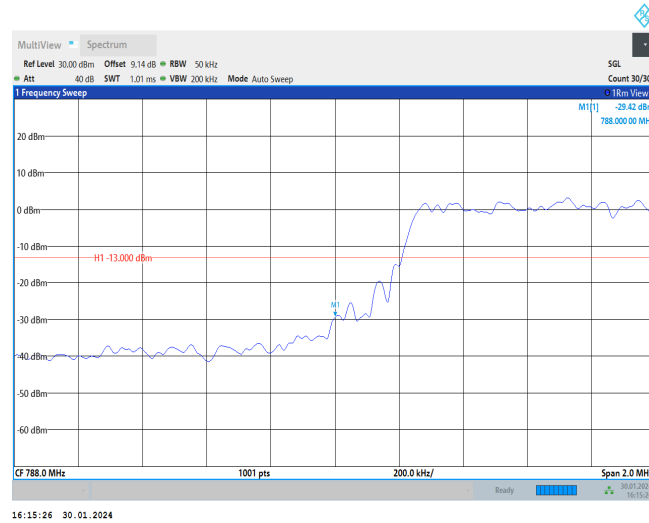
Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	-20.88	PASS
Band14	5MHz	QPSK	23305	25RB#0	-29.42	PASS
Band14	5MHz	QPSK	23355	1RB#24	-21.91	PASS
Band14	5MHz	QPSK	23355	25RB#0	-30.45	PASS
Band14	10MHz	QPSK	23330	1RB#0	-28.03,-44.36	PASS
Band14	10MHz	QPSK	23330	1RB#49	-47.32,-36.09	PASS
Band14	10MHz	QPSK	23330	50RB#0	-36.13,-33.60	PASS

Test Graphs

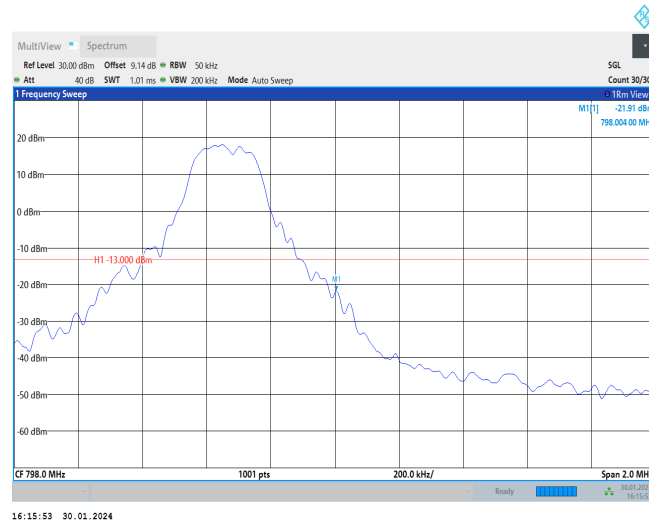
Band14-5MHz-QPSK-23305-1RB#0



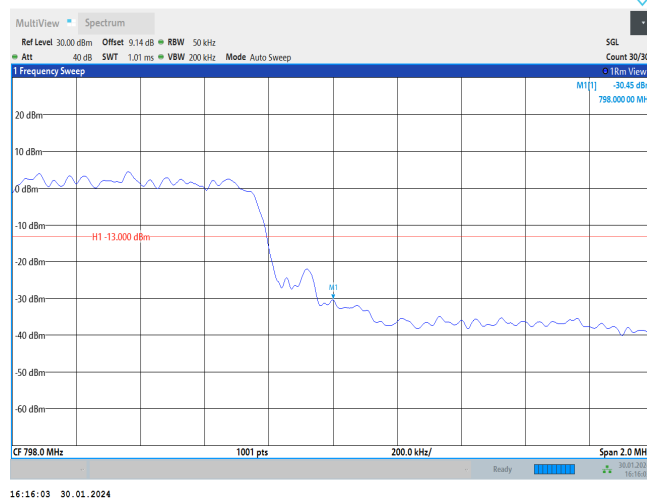
Band14-5MHz-QPSK-23305-25RB#0



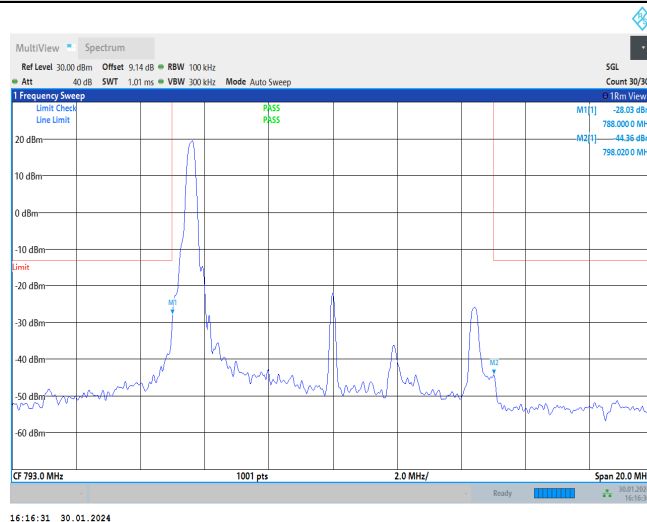
Band14-5MHz-QPSK-23355-1RB#24



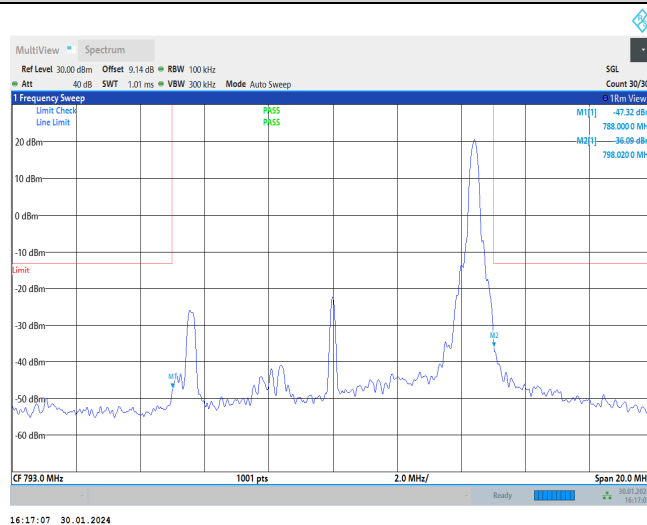
Band14-5MHz-QPSK-23355-25RB#0



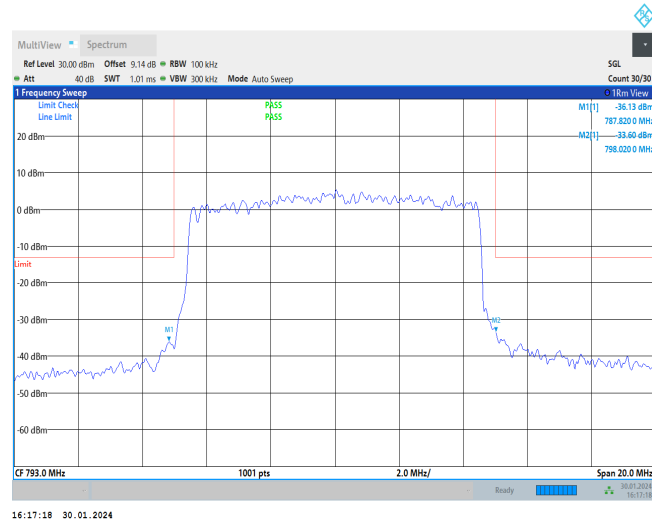
Band14-10MHz-QPSK-23330-1RB#0



Band14-10MHz-QPSK-23330-1RB#49



Band14-10MHz-QPSK-23330-50RB#0



APPENDIX J.5: CONDUCTED SPURIOUS EMISSIONS

Test Result

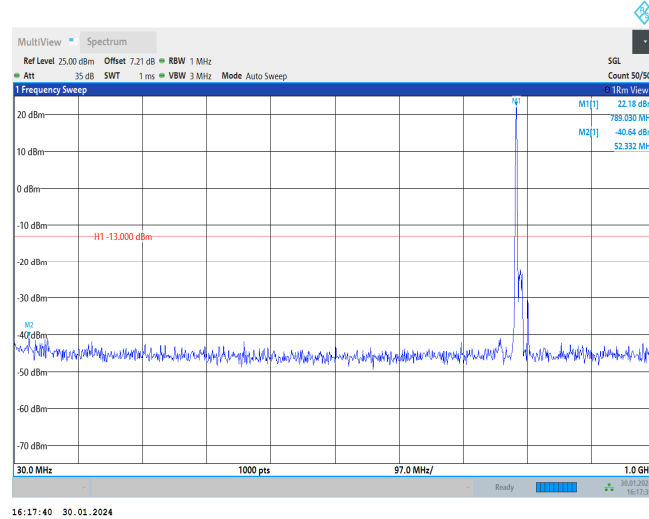
General:

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	10MHz	QPSK	23330	1RB#0	Range1:30~1000MHz	-40.64	PASS
Band14	10MHz	QPSK	23330	1RB#0	Range3:769~775MHz	-75.1	PASS
Band14	10MHz	QPSK	23330	1RB#0	Range4:799~905MHz	-50.24	PASS
Band14	10MHz	QPSK	23330	1RB#0	Range2:1000~10000MHz	-42.72	PASS

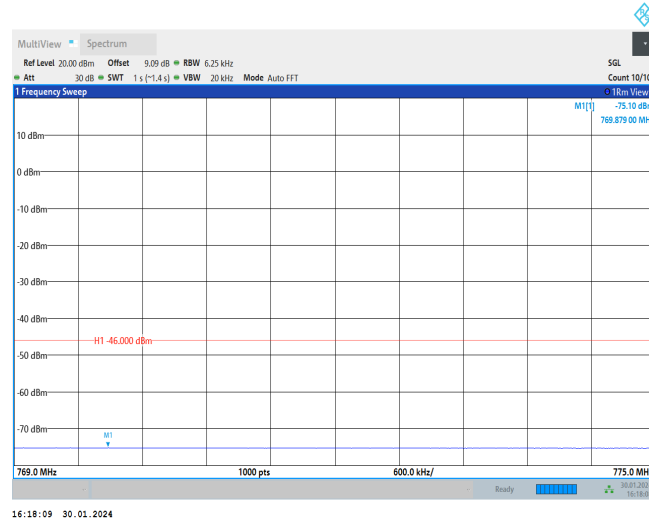
Test Graphs

General:

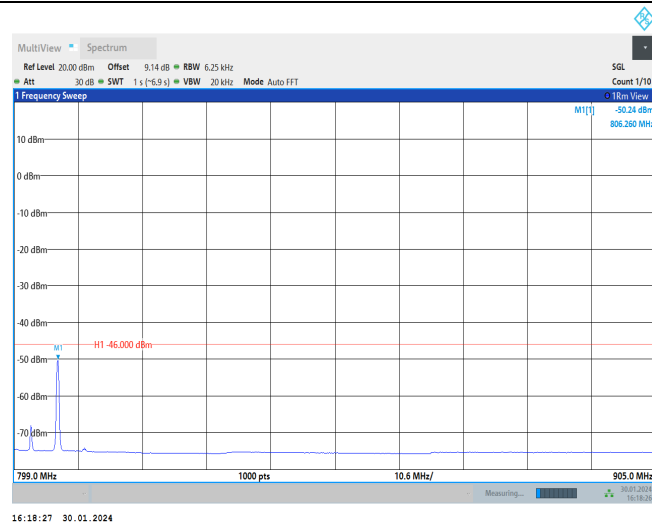
Band14-10MHz-QPSK-23330-1RB#0-Range1:30~1000MHz



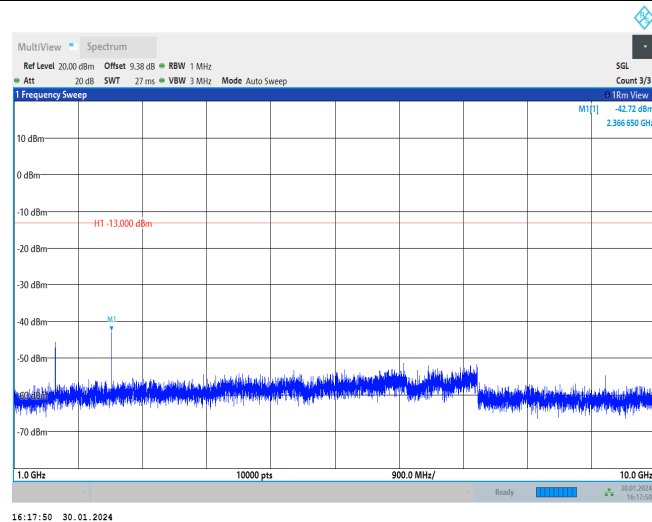
Band14-10MHz-QPSK-23330-1RB#0-Range3:769~775MHz



Band14-10MHz-QPSK-23330-1RB#0-Range4:799~905MHz



Band14-10MHz-QPSK-23330-1RB#0-Range2:1000~10000MHz



APPENDIX J.6: FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	1.34	0.001690	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	2.99	0.003770	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	-1.70	-0.002144	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	1.46	0.001841	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-1.99	-0.002509	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-2.13	-0.002686	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-2.06	-0.002598	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	0.97	0.001223	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	2.43	0.003064	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-1.93	-0.002434	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-2.68	-0.003380	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	60	-2.69	-0.003392	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	70	-2.03	-0.002560	±2.5	PASS