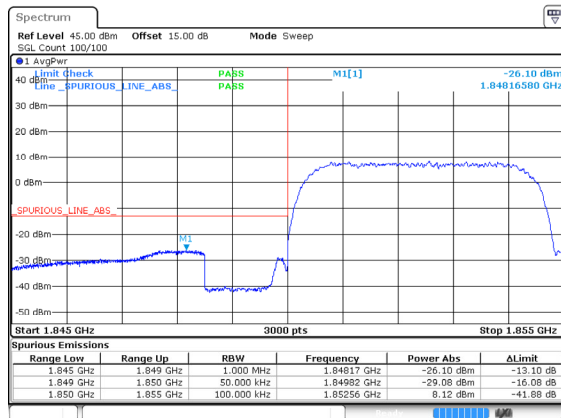
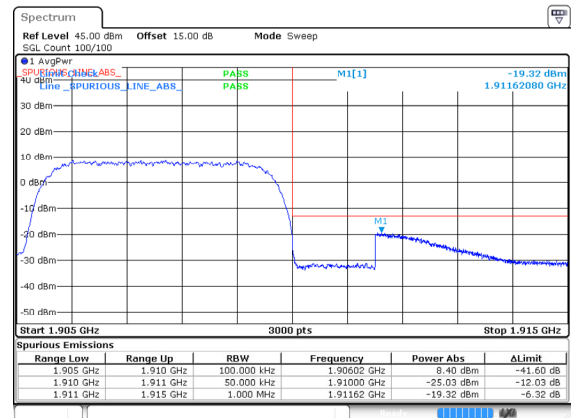
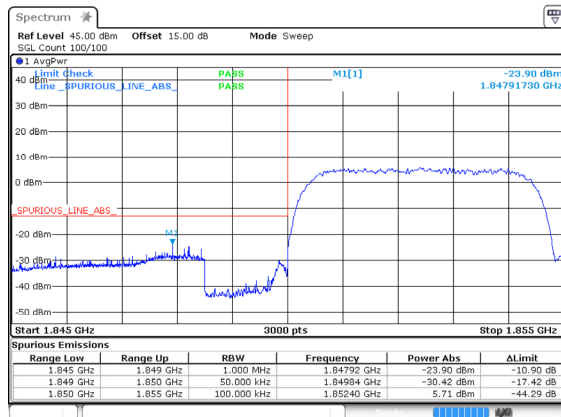


WCDMA Band II**WCDMA (Rel 99) Mode, Left Band Edge**

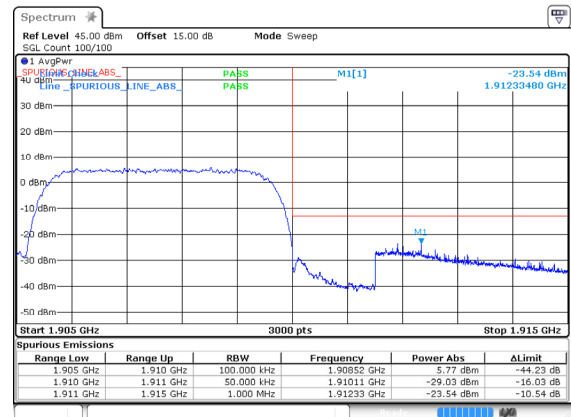
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 10:40:04

WCDMA (Rel 99) Mode, Right Band Edge

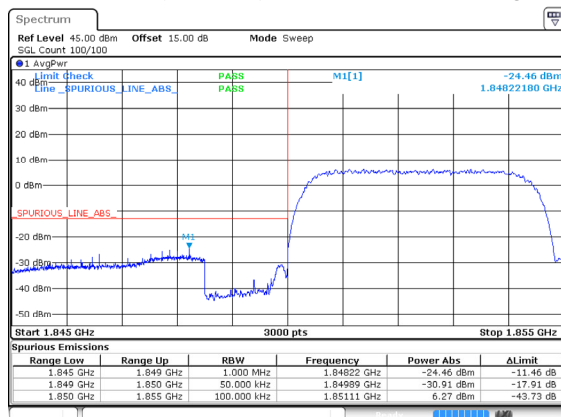
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 10:40:25

WCDMA (HSDPA) Mode, Left Band Edge

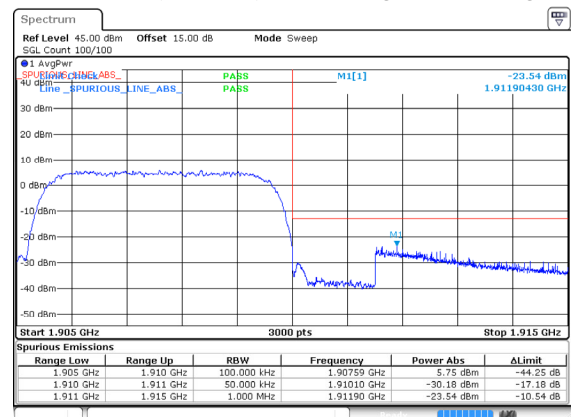
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 14:05:24

WCDMA (HSDPA) Mode, Right Band Edge

ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 10:42:50

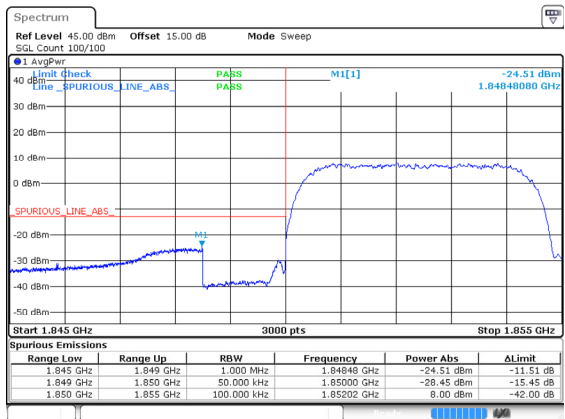
WCDMA (HSUPA) Mode, Left Band Edge

ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 14:06:00

WCDMA (HSUPA) Mode, Right Band Edge

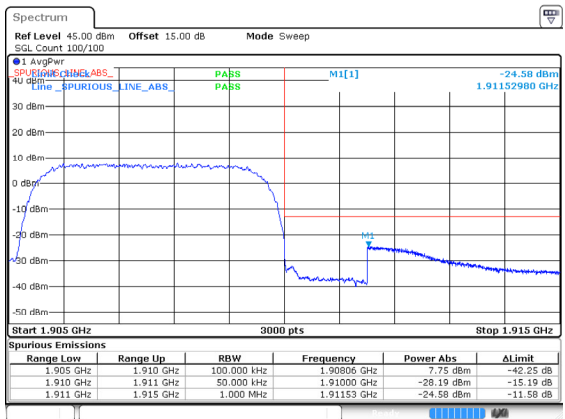
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 10:48:10

WCDMA (HSPA+) Mode, Left Band Edge

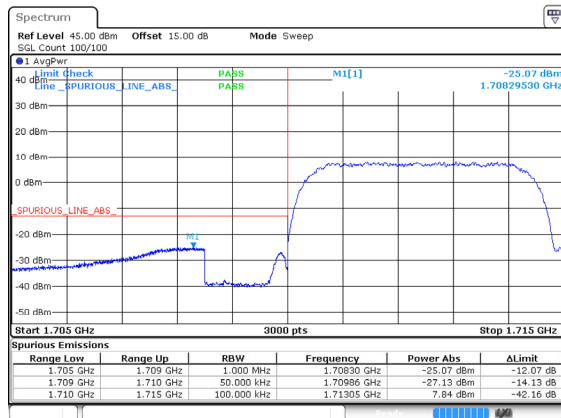


ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 12.AUG.2025 15:33:23

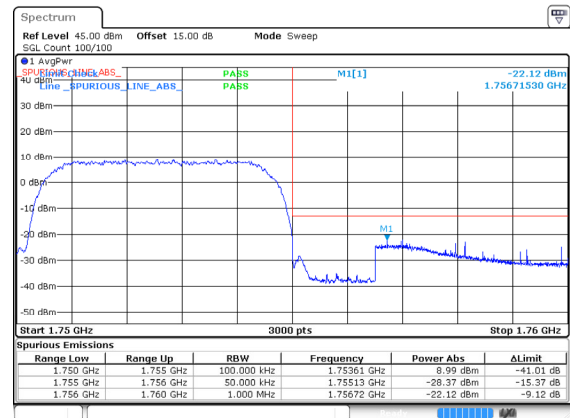
WCDMA (HSPA+) Mode, Right Band Edge



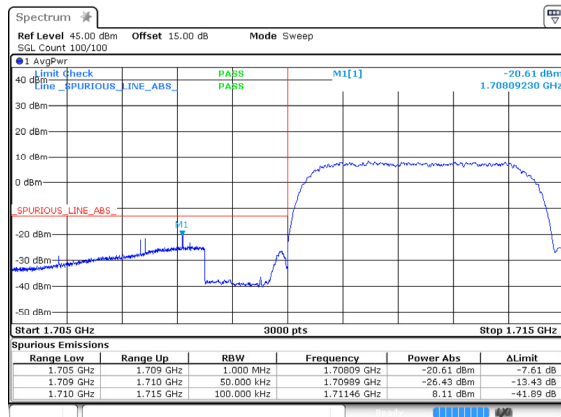
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 12.AUG.2025 15:34:05

WCDMA Band IV**WCDMA (Rel 99) Mode, Left Band Edge**

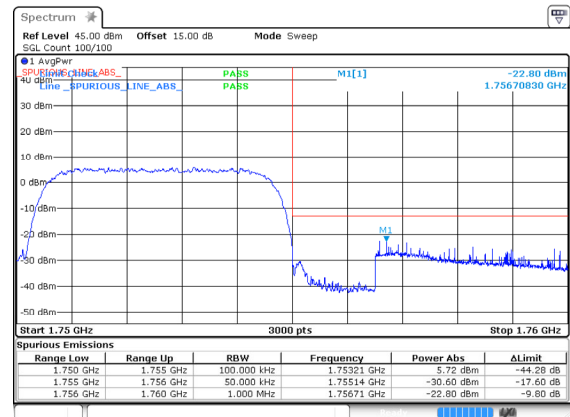
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 14:19:22

WCDMA (Rel 99) Mode, Right Band Edge

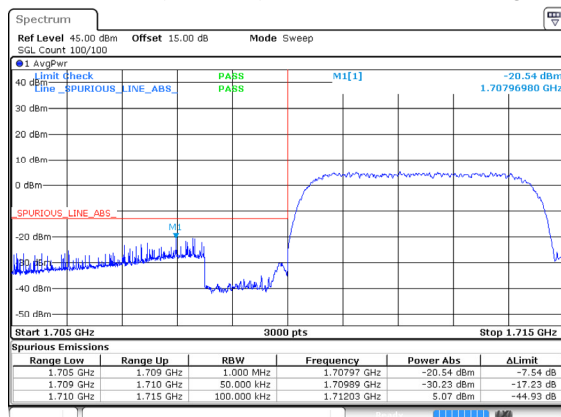
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 14:19:43

WCDMA (HSDPA) Mode, Left Band Edge

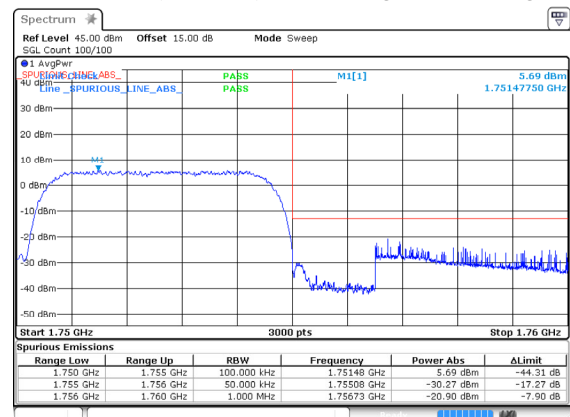
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 14:21:03

WCDMA (HSDPA) Mode, Right Band Edge

ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 10:53:10

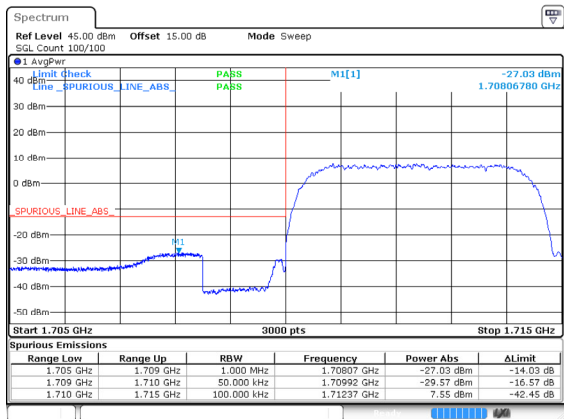
WCDMA (HSUPA) Mode, Left Band Edge

ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 10:55:55

WCDMA (HSUPA) Mode, Right Band Edge

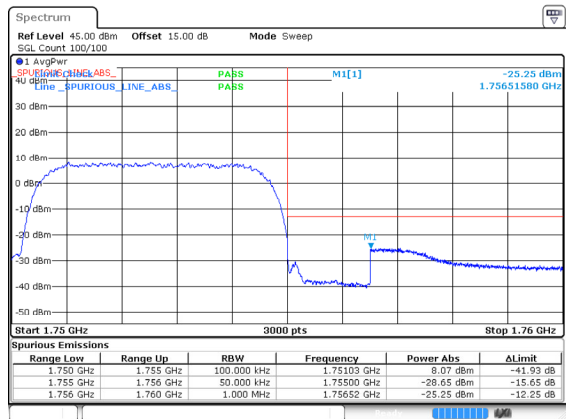
ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 2 SEP.2025 10:57:09

WCDMA (HSPA+) Mode, Left Band Edge



ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 12.AUG.2025 15:34:49

WCDMA (HSPA+) Mode, Right Band Edge



ProjectNo: RKSA250728004 Tester:Neil Zhou
Date: 12.AUG.2025 15:35:29

FREQUENCY STABILITY**Environmental Conditions & Test Information**

Test Date:	2025-08-12 to 2025-09-02
Temperature:	23.6-25.1 °C
Relative Humidity:	50-54 %
ATM Pressure:	101.3-102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

GPRS 850,Middle channel				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.6	32	0.03825	2.5
-20		15	0.01793	2.5
-10		34	0.04064	2.5
0		27	0.03227	2.5
10		22	0.02630	2.5
20		26	0.03108	2.5
30		35	0.04184	2.5
40		26	0.03108	2.5
50		34	0.04064	2.5
20	V min.= 3.24	28	0.03347	2.5
20	V max.= 3.96	31	0.03705	2.5

GPRS 1900, low channel& high channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	3.6	1850.117	1909.985	1850	1910
-20		1850.112	1909.981	1850	1910
-10		1850.109	1909.991	1850	1910
0		1850.115	1909.986	1850	1910
10		1850.113	1909.988	1850	1910
20		1850.116	1909.979	1850	1910
30		1850.121	1909.983	1850	1910
40		1850.119	1909.985	1850	1910
50		1850.115	1909.987	1850	1910
20	V min.= 3.24	1850.122	1909.991	1850	1910
20	V max.= 3.96	1850.119	1909.989	1850	1910

WCDMA Band II:

WCDMA Mode , low channel& high channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	3.6	1850.129	1909.987	1850	1910
-20		1850.132	1909.975	1850	1910
-10		1850.127	1909.977	1850	1910
0		1850.124	1909.981	1850	1910
10		1850.122	1909.979	1850	1910
20		1850.125	1909.982	1850	1910
30		1850.128	1909.987	1850	1910
40		1850.131	1909.991	1850	1910
50		1850.125	1909.988	1850	1910
20	V min.= 3.24	1850.117	1909.992	1850	1910
20	V max.= 3.96	1850.123	1909.985	1850	1910

WCDMA Band IV:

WCDMA Mode , low channel& high channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	3.6	1710.302	1754.685	1710	1755
-20		1710.309	1754.683	1710	1755
-10		1710.305	1754.681	1710	1755
0		1710.311	1754.683	1710	1755
10		1710.305	1754.686	1710	1755
20		1710.303	1754.687	1710	1755
30		1710.301	1754.683	1710	1755
40		1710.298	1754.692	1710	1755
50		1710.304	1754.688	1710	1755
20	V min.= 3.24	1710.296	1754.685	1710	1755
20	V max.= 3.96	1710.293	1754.689	1710	1755

WCDMA Band V:

WCDMA Mode , Middle channel				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.6	23	0.02749	2.5
-20		12	0.01434	2.5
-10		35	0.04184	2.5
0		21	0.02510	2.5
10		37	0.04423	2.5
20		23	0.02749	2.5
30		35	0.04184	2.5
40		41	0.04901	2.5
50		26	0.03108	2.5
20	V min.= 3.24	19	0.02271	2.5
20	V max.= 3.96	22	0.02630	2.5

LTE Band 2:

QPSK, 20MHz, low channel& high channel					
Temperature (°C)	Voltage Supplied (V_{DC})	F_L (MHz)	F_H (MHz)	F_L Limit (MHz)	F_H Limit (MHz)
-30	3.6	1850.128	1909.987	1850	1910
-20		1850.136	1909.976	1850	1910
-10		1850.124	1909.981	1850	1910
0		1850.133	1909.986	1850	1910
10		1850.139	1909.992	1850	1910
20		1850.141	1909.983	1850	1910
30		1850.132	1909.979	1850	1910
40		1850.126	1909.981	1850	1910
50		1850.137	1909.975	1850	1910
20	V min.= 3.24	1850.119	1909.981	1850	1910
20	V max.= 3.96	1850.126	1909.986	1850	1910

16-QAM, 20MHz, low channel& high channel					
Temperature (°C)	Voltage Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	1850.140	1909.985	1850	1910
-20		1850.121	1909.987	1850	1910
-10		1850.135	1909.982	1850	1910
0		1850.133	1909.978	1850	1910
10		1850.141	1909.975	1850	1910
20		1850.139	1909.979	1850	1910
30		1850.136	1909.981	1850	1910
40		1850.145	1909.975	1850	1910
50		1850.142	1909.972	1850	1910
20	V min.= 3.24	1850.139	1909.985	1850	1910
20	V max.= 3.96	1850.147	1909.988	1850	1910

LTE Band 4:

QPSK, 20MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	1711.029	1753.983	1710	1755
-20		1711.014	1753.998	1710	1755
-10		1711.058	1753.976	1710	1755
0		1710.996	1753.991	1710	1755
10		1711.015	1753.985	1710	1755
20		1711.022	1753.992	1710	1755
30		1710.996	1753.983	1710	1755
40		1711.012	1754.012	1710	1755
50		1711.027	1754.005	1710	1755
20	V min.= 3.24	1711.019	1753.986	1710	1755
20	V max.= 3.96	1710.997	1753.979	1710	1755

16QAM, 20MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	1711.012	1753.992	1710	1755
-20		1711.014	1754.002	1710	1755
-10		1711.022	1753.986	1710	1755
0		1711.015	1754.003	1710	1755
10		1711.016	1753.989	1710	1755
20		1711.012	1753.975	1710	1755
30		1711.025	1753.981	1710	1755
40		1711.034	1753.999	1710	1755
50		1711.037	1753.983	1710	1755
20	V min.= 3.24	1711.012	1753.972	1710	1755
20	V max.= 3.96	1711.008	1753.966	1710	1755

LTE Band 5:

QPSK, 10.0 MHz,Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.6	29	0.03467	2.5
-20		31	0.03706	2.5
-10		22	0.02630	2.5
0		25	0.02989	2.5
10		38	0.04543	2.5
20		29	0.03467	2.5
30		36	0.04304	2.5
40		33	0.03945	2.5
50		31	0.03706	2.5
20	V min.= 3.24	28	0.03347	2.5
20	V max.= 3.96	39	0.04662	2.5

16-QAM, 10.0 MHz, Middle channel				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.6	24	0.02869	2.5
-20		32	0.03825	2.5
-10		17	0.02032	2.5
0		38	0.04543	2.5
10		34	0.04065	2.5
20		29	0.03467	2.5
30		41	0.04901	2.5
40		36	0.04304	2.5
50		28	0.03347	2.5
20	V min.= 3.24	39	0.04662	2.5
20	V max.= 3.96	37	0.04423	2.5

LTE Band 7:

QPSK, 20 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	2501.021	2569.005	2500	2570
-20		2501.013	2569.002	2500	2570
-10		2501.019	2568.998	2500	2570
0		2501.023	2569.012	2500	2570
10		2501.028	2569.022	2500	2570
20		2501.022	2568.991	2500	2570
30		2501.024	2568.994	2500	2570
40		2501.033	2568.986	2500	2570
50		2501.029	2569.012	2500	2570
20	V min.= 3.24	2501.037	2569.003	2500	2570
20	V max.= 3.96	2501.024	2568.995	2500	2570

16-QAM, 20 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	2501.017	2568.987	2500	2570
-20		2501.029	2569.005	2500	2570
-10		2501.045	2568.989	2500	2570
0		2501.035	2568.996	2500	2570
10		2501.022	2568.982	2500	2570
20		2501.028	2568.985	2500	2570
30		2501.025	2568.977	2500	2570
40		2501.033	2568.983	2500	2570
50		2501.021	2568.989	2500	2570
20	V min.= 3.24	2501.039	2568.992	2500	2570
20	V max.= 3.96	2501.031	2568.982	2500	2570

LTE Band 38:

QPSK, 20 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	2570.982	2619.016	2570	2620
-20		2570.968	2619.011	2570	2620
-10		2570.985	2619.017	2570	2620
0		2570.981	2619.012	2570	2620
10		2570.988	2619.019	2570	2620
20		2570.992	2619.013	2570	2620
30		2570.987	2619.012	2570	2620
40		2570.986	2619.008	2570	2620
50		2570.982	2619.018	2570	2620
20	V min.= 3.24	2570.979	2619.009	2570	2620
20	V max.= 3.96	2570.992	2619.025	2570	2620

16-QAM, 20 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	2570.983	2619.022	2570	2620
-20		2570.978	2619.015	2570	2620
-10		2570.981	2619.008	2570	2620
0		2570.977	2619.028	2570	2620
10		2570.982	2619.011	2570	2620
20		2570.985	2619.026	2570	2620
30		2570.976	2619.033	2570	2620
40		2570.983	2619.025	2570	2620
50		2570.977	2619.028	2570	2620
20	V min.= 3.24	2570.975	2619.017	2570	2620
20	V max.= 3.96	2570.983	2619.015	2570	2620

LTE Band 41:

QPSK, 20 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	2535.986	2654.025	2535	2655
-20		2535.981	2654.018	2535	2655
-10		2535.979	2654.022	2535	2655
0		2535.988	2654.014	2535	2655
10		2535.983	2654.021	2535	2655
20		2535.986	2654.008	2535	2655
30		2535.975	2654.012	2535	2655
40		2535.978	2654.025	2535	2655
50		2535.972	2654.011	2535	2655
20	V min.= 3.24	2535.977	2654.015	2535	2655
20	V max.= 3.96	2535.981	2654.019	2535	2655

16-QAM, 20 MHz, low channel& high channel					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.6	2535.985	2654.013	2535	2655
-20		2535.983	2654.017	2535	2655
-10		2535.977	2654.022	2535	2655
0		2535.980	2654.024	2535	2655
10		2535.978	2654.006	2535	2655
20		2535.974	2654.015	2535	2655
30		2535.979	2654.011	2535	2655
40		2535.983	2654.025	2535	2655
50		2535.977	2654.021	2535	2655
20	V min.= 3.24	2535.981	2654.019	2535	2655
20	V max.= 3.96	2535.975	2654.027	2535	2655

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

******* END OF REPORT *******