

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-36.78	-25.00	Pass
7507.50	V	-39.05		
10010.00	V	-38.18		
12512.50	V	-42.83		
15015.00	V	---		
5005.00	Horizontal	-38.96	-25.00	Pass
7507.50	H	-43.02		
10010.00	H	-45.14		
12512.50	H	-45.70		
15015.00	H	---		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-36.59	-25.00	Pass
7605.00	V	-39.32		
10140.00	V	-38.42		
12675.00	V	-43.04		
15210.00	V	---		
5070.00	Horizontal	-38.92	-25.00	Pass
7605.00	H	-42.52		
10140.00	H	-45.30		
12675.00	H	-45.68		
15210.00	H	---		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.81	-25.00	Pass
7702.50	V	-39.78		
10270.00	V	-38.42		
12837.50	V	-43.12		
15405.00	V	---		
5135.00	Horizontal	-39.50	-25.00	Pass
7702.50	H	-42.46		
10270.00	H	-45.19		
12837.50	H	-45.95		
15405.00	H	---		

Test mode:	LTE Band 12(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-37.19	-13.00	Pass
7507.50	V	-39.74		
10010.00	V	-38.24		
12512.50	V	-43.49		
15015.00	V	---		
5005.00	Horizontal	-39.19	-13.00	Pass
7507.50	H	-42.79		
10010.00	H	-44.69		
12512.50	H	-46.18		
15015.00	H	---		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-36.77	-13.00	Pass
7605.00	V	-39.70		
10140.00	V	-38.29		
12675.00	V	-43.46		
15210.00	V	---		
5070.00	Horizontal	-39.57	-25.00	Pass
7605.00	H	-42.77		
10140.00	H	-44.99		
12675.00	H	-45.54		
15210.00	H	---		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.68	-13.00	Pass
7702.50	V	-39.43		
10270.00	V	-37.99		
12837.50	V	-42.96		
15405.00	V	---		
5135.00	Horizontal	-39.57	-13.00	Pass
7702.50	H	-42.20		
10270.00	H	-44.65		
12837.50	H	-45.58		
15405.00	H	---		

Test mode:	LTE Band 17(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-36.74	-13.00	Pass
7507.50	V	-39.32		
10010.00	V	-37.99		
12512.50	V	-43.30		
15015.00	V	---		
5005.00	Horizontal	-39.04	-13.00	Pass
7507.50	H	-42.36		
10010.00	H	-45.31		
12512.50	H	-46.04		
15015.00	H	---		
Test mode:	LTE Band 17(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-36.44	-13.00	Pass
7605.00	V	-39.75		
10140.00	V	-38.24		
12675.00	V	-43.26		
15210.00	V	---		
5070.00	Horizontal	-39.49	-13.00	Pass
7605.00	H	-42.87		
10140.00	H	-44.95		
12675.00	H	-46.26		
15210.00	H	---		
Test mode:	LTE Band 17(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.43	-13.00	Pass
7702.50	V	-39.83		
10270.00	V	-38.06		
12837.50	V	-43.57		
15405.00	V	---		
5135.00	Horizontal	-38.64	-13.00	Pass
7702.50	H	-42.71		
10270.00	H	-45.22		
12837.50	H	-46.28		
15405.00	H	---		

Test mode:	LTE Band 25 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-37.25	-13.00	Pass
5552.10	V	-39.08		
7402.80	V	-37.73		
9253.50	V	-43.55		
11104.20	V	---		
3701.40	Horizontal	-38.74	-13.00	Pass
5552.10	H	-42.43		
7402.80	H	-44.80		
9253.50	H	-46.44		
11104.20	H	---		
Test mode:	LTE Band 25 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.36	-13.00	Pass
5640.00	V	-38.97		
7520.00	V	-38.21		
9400.00	V	-43.66		
11280.00	V	---		
3760.00	Horizontal	-38.84	-13.00	Pass
5640.00	H	-42.68		
7520.00	H	-44.44		
9400.00	H	-45.66		
11280.00	H	---		
Test mode:	LTE Band 25 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.95	-13.00	Pass
5727.90	V	-39.16		
7637.20	V	-38.10		
9546.50	V	-43.45		
11455.80	V	---		
3818.60	Horizontal	-38.61	-13.00	Pass
5727.90	H	-43.02		
7637.20	H	-44.88		
9546.50	H	-46.15		
11455.80	H	---		

Test mode:	LTE Band 26 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-37.01	-13.00	Pass
5552.10	V	-39.31		
7402.80	V	-37.55		
9253.50	V	-43.27		
11104.20	V	---		
3701.40	Horizontal	-39.39	-13.00	Pass
5552.10	H	-42.64		
7402.80	H	-44.82		
9253.50	H	-46.46		
11104.20	H	---		
Test mode:	LTE Band 26 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.58	-13.00	Pass
5640.00	V	-39.14		
7520.00	V	-37.67		
9400.00	V	-43.25		
11280.00	V	---		
3760.00	Horizontal	-39.39	-13.00	Pass
5640.00	H	-42.98		
7520.00	H	-45.22		
9400.00	H	-46.10		
11280.00	H	---		
Test mode:	LTE Band 26 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.49	-13.00	Pass
5727.90	V	-39.05		
7637.20	V	-38.09		
9546.50	V	-42.94		
11455.80	V	---		
3818.60	Horizontal	-39.28	-13.00	Pass
5727.90	H	-42.34		
7637.20	H	-44.92		
9546.50	H	-46.45		
11455.80	H	---		

Test mode:	LTE Band 38 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.68	-13.00	Pass
5552.10	V	-39.54		
7402.80	V	-37.68		
9253.50	V	-43.27		
11104.20	V	---		
3701.40	Horizontal	-39.49	-13.00	Pass
5552.10	H	-42.52		
7402.80	H	-44.69		
9253.50	H	-46.05		
11104.20	H	---		
Test mode:	LTE Band 38 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.44	-13.00	Pass
5640.00	V	-39.77		
7520.00	V	-37.83		
9400.00	V	-43.61		
11280.00	V	---		
3760.00	Horizontal	-39.09	-13.00	Pass
5640.00	H	-42.71		
7520.00	H	-45.27		
9400.00	H	-46.33		
11280.00	H	---		
Test mode:	LTE Band 38 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.07	-13.00	Pass
5727.90	V	-39.69		
7637.20	V	-37.70		
9546.50	V	-43.35		
11455.80	V	---		
3818.60	Horizontal	-39.07	-13.00	Pass
5727.90	H	-42.10		
7637.20	H	-45.04		
9546.50	H	-45.96		
11455.80	H	---		

Test mode:	LTE Band 41 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.82	-13.00	Pass
5552.10	V	-39.05		
7402.80	V	-38.42		
9253.50	V	-42.98		
11104.20	V	---		
3701.40	Horizontal	-39.37	-13.00	Pass
5552.10	H	-42.99		
7402.80	H	-45.37		
9253.50	H	-46.32		
11104.20	H	---		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.78	-13.00	Pass
5640.00	V	-39.38		
7520.00	V	-37.91		
9400.00	V	-43.18		
11280.00	V	---		
3760.00	Horizontal	-39.29	-13.00	Pass
5640.00	H	-42.25		
7520.00	H	-44.93		
9400.00	H	-45.88		
11280.00	H	---		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.08	-13.00	Pass
5727.90	V	-39.61		
7637.20	V	-38.05		
9546.50	V	-42.96		
11455.80	V	---		
3818.60	Horizontal	-39.50	-13.00	Pass
5727.90	H	-42.11		
7637.20	H	-44.47		
9546.50	H	-45.86		
11455.80	H	---		

Test mode:	LTE Band 66 (1.4MHz)		Test channel:	Lowest
Frequency	Spurious Emission		Limit (dBm)	Result
(MHz)	Polarization	Level (dBm)		
3701.40	Vertical	-36.91	-13.00	Pass
5552.10	V	-39.84		
7402.80	V	-38.44		
9253.50	V	-43.60		
11104.20	V	---		
3701.40	Horizontal	-38.77	-13.00	Pass
5552.10	H	-42.80		
7402.80	H	-44.82		
9253.50	H	-46.08		
11104.20	H	---		
Test mode:	LTE Band 66 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.94	-13.00	Pass
5640.00	V	-39.45		
7520.00	V	-37.89		
9400.00	V	-43.71		
11280.00	V	---		
3760.00	Horizontal	-39.44	-13.00	Pass
5640.00	H	-42.44		
7520.00	H	-44.40		
9400.00	H	-46.30		
11280.00	H	---		
Test mode:	LTE Band 66 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.25	-13.00	Pass
5727.90	V	-39.93		
7637.20	V	-38.38		
9546.50	V	-43.81		
11455.80	V	---		
3818.60	Horizontal	-39.28	-13.00	Pass
5727.90	H	-42.53		
7637.20	H	-44.99		
9546.50	H	-46.11		
11455.80	H	---		

Test mode:	LTE Band 71 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-37.00	-13.00	Pass
5552.10	V	-39.73		
7402.80	V	-37.65		
9253.50	V	-43.47		
11104.20	V	---		
3701.40	Horizontal	-39.11	-13.00	Pass
5552.10	H	-42.56		
7402.80	H	-45.20		
9253.50	H	-45.85		
11104.20	H	---		
Test mode:	LTE Band 71 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.46	-13.00	Pass
5640.00	V	-39.32		
7520.00	V	-37.67		
9400.00	V	-43.43		
11280.00	V	---		
3760.00	Horizontal	-38.95	-13.00	Pass
5640.00	H	-42.30		
7520.00	H	-44.95		
9400.00	H	-46.25		
11280.00	H	---		
Test mode:	LTE Band 71 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.05	-13.00	Pass
5727.90	V	-39.36		
7637.20	V	-37.79		
9546.50	V	-42.88		
11455.80	V	---		
3818.60	Horizontal	-39.34	-13.00	Pass
5727.90	H	-42.85		
7637.20	H	-44.66		
9546.50	H	-45.82		
11455.80	H	---		

Remark:

1.The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.

2.Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3.The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst

16 QAM Mode:

Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.37	-13.00	Pass
5552.10	V	-39.07		
7402.80	V	-38.10		
9253.50	V	-43.05		
11104.20	V	---		
3701.40	Horizontal	-39.03	-13.00	Pass
5552.10	H	-42.55		
7402.80	H	-45.19		
9253.50	H	-46.07		
11104.20	H	---		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.93	-13.00	Pass
5640.00	V	-39.87		
7520.00	V	-37.51		
9400.00	V	-43.19		
11280.00	V	---		
3760.00	Horizontal	-38.69	-13.00	Pass
5640.00	H	-42.13		
7520.00	H	-45.15		
9400.00	H	-45.56		
11280.00	H	---		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.76	-13.00	Pass
5727.90	V	-39.80		
7637.20	V	-38.08		
9546.50	V	-43.50		
11455.80	V	---		
3818.60	Horizontal	-38.75	-13.00	Pass
5727.90	H	-42.31		
7637.20	H	-44.47		
9546.50	H	-46.01		
11455.80	H	---		

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3421.40	Vertical	-36.33	-13.00	Pass
5132.10	V	-39.59		
6842.80	V	-37.77		
8553.50	V	-43.70		
10264.20	V	---		
3421.40	Horizontal	-39.00	-13.00	Pass
5132.10	H	-42.97		
6842.80	H	-44.87		
8553.50	H	-46.02		
10264.20	H	---		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3465.00	Vertical	-37.20	-13.00	Pass
5197.50	V	-39.91		
6930.00	V	-38.15		
8662.50	V	-43.06		
10395.00	V	---		
3465.00	Horizontal	-38.65	-13.00	Pass
5197.50	H	-42.28		
6930.00	H	-44.44		
8662.50	H	-45.63		
10395.00	H	---		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3508.60	Vertical	-36.63	-13.00	Pass
5262.90	V	-39.48		
7017.20	V	-37.71		
8771.50	V	-43.04		
10525.80	V	---		
3508.60	Horizontal	-38.94	-13.00	Pass
5262.90	H	-42.42		
7017.20	H	-44.48		
8771.50	H	-46.22		
10525.80	H	---		

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1649.40	Vertical	-37.24	-13.00	Pass
2474.10	V	-39.58		
3298.80	V	-37.73		
4123.50	V	-43.59		
4948.20	V	---		
1649.40	Horizontal	-39.32	-13.00	Pass
2474.10	H	-42.86		
3298.80	H	-44.78		
4123.50	H	-45.59		
4948.20	H	---		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1673.00	Vertical	-37.10	-13.00	Pass
2509.50	V	-39.26		
3346.00	V	-37.97		
4182.50	V	-42.83		
5019.00	V	---		
1673.00	Horizontal	-39.01	-13.00	Pass
2509.50	H	-42.42		
3346.00	H	-44.74		
4182.50	H	-45.71		
5019.00	H	---		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1696.60	Vertical	-37.07	-13.00	Pass
2544.90	V	-39.68		
3393.20	V	-38.41		
4241.50	V	-43.49		
5089.80	V	---		
1696.60	Horizontal	-38.70	-13.00	Pass
2544.90	H	-42.80		
3393.20	H	-45.26		
4241.50	H	-45.98		
5089.80	H	---		

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-36.72	-25.00	Pass
7507.50	V	-39.23		
10010.00	V	-37.68		
12512.50	V	-43.46		
15015.00	V	---		
5005.00	Horizontal	-38.98	-25.00	Pass
7507.50	H	-42.75		
10010.00	H	-45.33		
12512.50	H	-46.03		
15015.00	H	---		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-37.06	-25.00	Pass
7605.00	V	-39.61		
10140.00	V	-38.42		
12675.00	V	-43.72		
15210.00	V	---		
5070.00	Horizontal	-39.01	-25.00	Pass
7605.00	H	-42.81		
10140.00	H	-44.69		
12675.00	H	-45.92		
15210.00	H	---		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.58	-25.00	Pass
7702.50	V	-39.26		
10270.00	V	-38.11		
12837.50	V	-43.22		
15405.00	V	---		
5135.00	Horizontal	-39.41	-25.00	Pass
7702.50	H	-42.19		
10270.00	H	-44.43		
12837.50	H	-46.42		
15405.00	H	---		

Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.33	-13.00	Pass
5552.10	V	-39.54		
7402.80	V	-37.54		
9253.50	V	-43.26		
11104.20	V	---		
3701.40	Horizontal	-39.18	-13.00	Pass
5552.10	H	-42.56		
7402.80	H	-45.20		
9253.50	H	-46.16		
11104.20	H	---		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-37.07	-13.00	Pass
5640.00	V	-39.59		
7520.00	V	-37.68		
9400.00	V	-43.75		
11280.00	V	---		
3760.00	Horizontal	-38.65	-13.00	Pass
5640.00	H	-42.90		
7520.00	H	-44.95		
9400.00	H	-45.53		
11280.00	H	---		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.98	-13.00	Pass
5727.90	V	-39.78		
7637.20	V	-38.32		
9546.50	V	-43.58		
11455.80	V	---		
3818.60	Horizontal	-39.05	-13.00	Pass
5727.90	H	-42.77		
7637.20	H	-44.99		
9546.50	H	-45.69		
11455.80	H	---		

Test mode:	LTE Band 17(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.00	Vertical	-37.17	-13.00	Pass
7507.50	V	-39.93		
10010.00	V	-38.26		
12512.50	V	-43.74		
15015.00	V	---		
5005.00	Horizontal	-39.49	-13.00	Pass
7507.50	H	-43.02		
10010.00	H	-44.99		
12512.50	H	-46.23		
15015.00	H	---		
Test mode:	LTE Band 17(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.00	Vertical	-39.58	-13.00	Pass
7605.00	V	-38.42		
10140.00	V	-43.42		
12675.00	V	---		
15210.00	V	-38.74		
5070.00	Horizontal	-43.00	-13.00	Pass
7605.00	H	-44.52		
10140.00	H	-46.26		
12675.00	H	-39.58		
15210.00	H	---		
Test mode:	LTE Band 17(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.00	Vertical	-36.80	-13.00	Pass
7702.50	V	-39.80		
10270.00	V	-38.00		
12837.50	V	-42.90		
15405.00	V	---		
5135.00	Horizontal	-39.30	-13.00	Pass
7702.50	H	-43.00		
10270.00	H	-44.93		
12837.50	H	-46.01		
15405.00	H	---		

Test mode:	LTE Band 25 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.82	-13.00	Pass
5552.10	V	-39.72		
7402.80	V	-37.90		
9253.50	V	-43.16		
11104.20	V	---		
3701.40	Horizontal	-39.13	-13.00	Pass
5552.10	H	-42.80		
7402.80	H	-45.17		
9253.50	H	-45.52		
11104.20	H	---		
Test mode:	LTE Band 25 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-37.26	-13.00	Pass
5640.00	V	-39.26		
7520.00	V	-38.45		
9400.00	V	-43.51		
11280.00	V	---		
3760.00	Horizontal	-39.46	-13.00	Pass
5640.00	H	-42.84		
7520.00	H	-45.17		
9400.00	H	-45.83		
11280.00	H	---		
Test mode:	LTE Band 25 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-35.23	-13.00	Pass
5727.90	V	-38.37		
7637.20	V	-41.29		
9546.50	V	-41.39		
11455.80	V	---		
3818.60	Horizontal	-41.41	-13.00	Pass
5727.90	H	-43.38		
7637.20	H	-44.77		
9546.50	H	-48.97		
11455.80	H	---		

Test mode:	LTE Band 26 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-37.27	-13.00	Pass
5552.10	V	-38.96		
7402.80	V	-37.74		
9253.50	V	-43.72		
11104.20	V	---		
3701.40	Horizontal	-39.04	-13.00	Pass
5552.10	H	-42.12		
7402.80	H	-44.76		
9253.50	H	-45.85		
11104.20	H	---		
Test mode:	LTE Band 26 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-34.66	-13.00	Pass
5640.00	V	-37.55		
7520.00	V	-40.13		
9400.00	V	-41.51		
11280.00	V	---		
3760.00	Horizontal	-38.35	-13.00	Pass
5640.00	H	-41.59		
7520.00	H	-42.98		
9400.00	H	-45.63		
11280.00	H	---		
Test mode:	LTE Band 26 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.19	-13.00	Pass
5727.90	V	-39.09		
7637.20	V	-37.72		
9546.50	V	-43.30		
11455.80	V	---		
3818.60	Horizontal	-39.23	-13.00	Pass
5727.90	H	-42.53		
7637.20	H	-45.25		
9546.50	H	-45.85		
11455.80	H	---		

Test mode:	LTE Band 38 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.40	-25.00	Pass
5552.10	V	-39.10		
7402.80	V	-37.69		
9253.50	V	-43.64		
11104.20	V	---		
3701.40	Horizontal	-38.78	-25.00	Pass
5552.10	H	-42.28		
7402.80	H	-44.65		
9253.50	H	-46.11		
11104.20	H	---		
Test mode:	LTE Band 38 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-34.74	-25.00	Pass
5640.00	V	-37.51		
7520.00	V	-40.11		
9400.00	V	-41.54		
11280.00	V	---		
3760.00	Horizontal	-38.38	-25.00	Pass
5640.00	H	-41.54		
7520.00	H	-43.08		
9400.00	H	-45.65		
11280.00	H	---		
Test mode:	LTE Band 38 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.65	-25.00	Pass
5727.90	V	-39.87		
7637.20	V	-38.12		
9546.50	V	-43.53		
11455.80	V	---		
3818.60	Horizontal	-38.61	-25.00	Pass
5727.90	H	-42.75		
7637.20	H	-44.52		
9546.50	H	-45.78		
11455.80	H	---		

Test mode:	LTE Band 41 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.91	-25.00	Pass
5552.10	V	-39.06		
7402.80	V	-37.94		
9253.50	V	-42.92		
11104.20	V	---		
3701.40	Horizontal	-39.34	-25.00	Pass
5552.10	H	-42.35		
7402.80	H	-45.14		
9253.50	H	-46.03		
11104.20	H	---		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.64	-25.00	Pass
5640.00	V	-39.69		
7520.00	V	-37.69		
9400.00	V	-42.83		
11280.00	V	---		
3760.00	Horizontal	-39.08	-25.00	Pass
5640.00	H	-42.85		
7520.00	H	-44.88		
9400.00	H	-45.72		
11280.00	H	---		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.87	-25.00	Pass
5727.90	V	-39.83		
7637.20	V	-37.96		
9546.50	V	-43.01		
11455.80	V	---		
3818.60	Horizontal	-39.33	-25.00	Pass
5727.90	H	-42.45		
7637.20	H	-44.97		
9546.50	H	-45.65		
11455.80	H	---		

Test mode:	LTE Band 66 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-37.13	-13.00	Pass
5552.10	V	-38.96		
7402.80	V	-38.38		
9253.50	V	-43.44		
11104.20	V	---		
3701.40	Horizontal	-39.37	-13.00	Pass
5552.10	H	-42.85		
7402.80	H	-45.18		
9253.50	H	-46.01		
11104.20	H	---		
Test mode:	LTE Band 66 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-37.24	-13.00	Pass
5640.00	V	-39.86		
7520.00	V	-38.21		
9400.00	V	-43.13		
11280.00	V	---		
3760.00	Horizontal	-39.10	-13.00	Pass
5640.00	H	-42.75		
7520.00	H	-45.35		
9400.00	H	-46.07		
11280.00	H	---		
Test mode:	LTE Band 66 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-37.15	-13.00	Pass
5727.90	V	-39.59		
7637.20	V	-38.43		
9546.50	V	-43.16		
11455.80	V	---		
3818.60	Horizontal	-38.85	-13.00	Pass
5727.90	H	-42.59		
7637.20	H	-45.33		
9546.50	H	-46.46		
11455.80	H	---		

Test mode:	LTE Band 71 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.40	Vertical	-36.49	-13.00	Pass
5552.10	V	-39.93		
7402.80	V	-37.82		
9253.50	V	-43.53		
11104.20	V	---		
3701.40	Horizontal	-38.79	-13.00	Pass
5552.10	H	-42.86		
7402.80	H	-45.35		
9253.50	H	-46.12		
11104.20	H	---		
Test mode:	LTE Band 71 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-36.65	-13.00	Pass
5640.00	V	-39.12		
7520.00	V	-38.04		
9400.00	V	-43.45		
11280.00	V	---		
3760.00	Horizontal	-38.77	-13.00	Pass
5640.00	H	-42.84		
7520.00	H	-44.94		
9400.00	H	-46.09		
11280.00	H	---		
Test mode:	LTE Band 71 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.60	Vertical	-36.92	-13.00	Pass
5727.90	V	-39.20		
7637.20	V	-38.37		
9546.50	V	-43.04		
11455.80	V	---		
3818.60	Horizontal	-38.77	-13.00	Pass
5727.90	H	-43.03		
7637.20	H	-44.63		
9546.50	H	-46.28		
11455.80	H	---		

Remark:

1.The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.

2.Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured

3.The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst

Appendix A.8: Frequency Stability V.S. Temperature Measurement

Measurement Data

Measurement Data

Reference Frequency: GSM850 (GSM link) Middle channel=190 channel=836.6MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20℃	5	0.0065	2.5	Pass
	-10℃	7	0.0083		
	-5℃	8	0.0095		
	0℃	5	0.0054		
	+10℃	2	0.0027		
	+20℃	4	0.0052		
	+30℃	3	0.0041		
	+40℃	3	0.0041		
	+50℃	5	0.0058		
Reference Frequency: GSM850 (GPRS 1 link) Middle channel=190 channel=836.6MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20℃	6	0.0068	2.5	Pass
	-10℃	2	0.0024		
	-5℃	4	0.0043		
	0℃	5	0.0058		
	+10℃	6	0.0066		
	+20℃	2	0.0026		
	+30℃	3	0.0037		
	+40℃	5	0.0061		
	+50℃	2	0.0028		
Reference Frequency: GSM850 (EGPRS 1 link) Middle channel=190 channel=836.6MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20℃	6	0.0068	2.5	Pass
	-10℃	6	0.0073		
	-5℃	4	0.0053		
	0℃	7	0.0088		
	+10℃	5	0.0063		
	+20℃	7	0.0089		
	+30℃	4	0.0051		
	+40℃	6	0.0076		
	+50℃	4	0.0048		

Reference Frequency: PCS1900 (GSM link) Middle channel=661 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error			Result
		Hz	ppm		
3.8	-20℃	2	0.0011	2.5	Pass
	-10℃	6	0.0034		
	-5℃	3	0.0014		
	0℃	4	0.0024		
	+10℃	7	0.0036		
	+20℃	6	0.0030		
	+30℃	5	0.0025		
	+40℃	5	0.0028		
	+50℃	4	0.0020		
Reference Frequency: PCS1900 (GPRS 1 link) Middle channel=661 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error			Result
		Hz	ppm		
3.8	-20℃	6	0.0033	2.5	Pass
	-10℃	8	0.0041		
	-5℃	5	0.0028		
	0℃	7	0.0038		
	+10℃	3	0.0016		
	+20℃	6	0.0029		
	+30℃	4	0.0022		
	+40℃	4	0.0023		
	+50℃	3	0.0017		
Reference Frequency: PCS1900 (EGPRS 1 link) Middle channel=661 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error			Result
		Hz	ppm		
3.8	-20℃	3	0.0016	2.5	Pass
	-10℃	3	0.0016		
	-5℃	8	0.0041		
	0℃	7	0.0035		
	+10℃	6	0.0030		
	+20℃	7	0.0037		
	+30℃	5	0.0024		
	+40℃	8	0.0042		
	+50℃	4	0.0024		

Reference Frequency: WCDMA Band V Middle channel=4183 channel=836.6MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20°C	7	0.0089	2.5	Pass
	-10°C	6	0.0074		
	-5°C	4	0.0047		
	0°C	4	0.0054		
	+10°C	4	0.0048		
	+20°C	8	0.0092		
	+30°C	4	0.0043		
	+40°C	4	0.0043		
	+50°C	8	0.0094		
Reference Frequency: WCDMA Band II Middle channel=9400 channel=1880.0MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20°C	4	0.0019	2.5	Pass
	-10°C	4	0.0022		
	-5°C	6	0.0032		
	0°C	8	0.0041		
	+10°C	7	0.0037		
	+20°C	8	0.0041		
	+30°C	3	0.0014		
	+40°C	6	0.0034		
	+50°C	6	0.0032		
Reference Frequency: WCDMA Band IV Middle channel=1450 channel=1740.0MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20°C	7	0.0041	2.5	Pass
	-10°C	3	0.0014		
	-5°C	3	0.0018		
	0°C	3	0.0020		
	+10°C	4	0.0021		
	+20°C	3	0.0018		
	+30°C	6	0.0034		
	+40°C	6	0.0034		
	+50°C	5	0.0031		

Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	3	0.0016	Within the authorized bands	Pass
	-10	7	0.0036		
	0	5	0.0025		
	10	4	0.0023		
	20	5	0.0026		
	30	5	0.0025		
	40	4	0.0019		
	50	8	0.0040		
	55	7	0.0035		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	5	0.0026	2.5	Pass
	-10	7	0.0039		
	0	8	0.0045		
	10	6	0.0035		
	20	5	0.0026		
	30	4	0.0023		
	40	4	0.0024		
	50	7	0.0038		
	55	8	0.0044		
Reference Frequency: LTE Band 5 Middle channel=20525 channel=836.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	12	0.0139	2.5	Pass
	-10	10	0.0121		
	0	8	0.0094		
	10	10	0.0123		
	20	10	0.0120		
	30	7	0.0089		
	40	7	0.0086		
	50	12	0.0138		
	55	10	0.0122		

Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	10	0.0040	Within the authorized bands	Pass
	-10	7	0.0028		
	0	12	0.0049		
	10	10	0.0041		
	20	10	0.0040		
	30	8	0.0033		
	40	11	0.0043		
	50	10	0.0040		
	55	9	0.0036		
Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	7	0.0104	2.5	Pass
	-10	8	0.0119		
	0	9	0.0127		
	10	10	0.0137		
	20	7	0.0101		
	30	11	0.0161		
	40	12	0.0175		
	50	7	0.0099		
	55	8	0.0120		
Reference Frequency: LTE Band 17 Middle channel=23790 channel=710MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	9	0.0125	Within the authorized bands	Pass
	-10	13	0.0179		
	0	11	0.0159		
	10	9	0.0123		
	20	8	0.0109		
	30	11	0.0153		
	40	7	0.0101		
	50	9	0.0124		
	55	12	0.0164		

Reference Frequency: LTE Band 25 Middle channel=26365 channel=1882.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	6	0.0033	Within the authorized bands	Pass
	-10	7	0.0036		
	0	2	0.0013		
	10	3	0.0017		
	20	7	0.0035		
	30	4	0.0023		
	40	4	0.0022		
	50	4	0.0020		
	55	8	0.0042		
Reference Frequency: LTE Band 26 Middle channel=26740 channel=819MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	5	0.0061	2.5	Pass
	-10	4	0.0049		
	0	7	0.0089		
	10	4	0.0044		
	20	8	0.0092		
	30	3	0.0034		
	40	5	0.0063		
	50	4	0.0052		
	55	8	0.0095		
Reference Frequency: LTE Band 38 Middle channel=37750 channel=2595MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	4	0.0014	2.5	Pass
	-10	4	0.0015		
	0	4	0.0014		
	10	7	0.0026		
	20	7	0.0027		
	30	3	0.0013		
	40	8	0.0029		
	50	5	0.0019		
	55	7	0.0029		

Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20℃	5	0.0019	Within the authorized bands	Pass
	-10℃	4	0.0017		
	-5℃	4	0.0014		
	0℃	3	0.0011		
	+10℃	4	0.0015		
	+20℃	5	0.0021		
	+30℃	4	0.0015		
	+40℃	6	0.0023		
	+50℃	3	0.0011		
Reference Frequency: LTE Band 66 Middle channel=132322 channel=1745MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20℃	5	0.0026	Within the authorized bands	Pass
	-10℃	4	0.0022		
	-5℃	5	0.0031		
	0℃	7	0.0040		
	+10℃	2	0.0012		
	+20℃	6	0.0032		
	+30℃	5	0.0028		
	+40℃	7	0.0039		
	+50℃	6	0.0034		
Reference Frequency: LTE Band 71 Middle channel=133297 channel=680.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20℃	4	0.0062	Within the authorized bands	Pass
	-10℃	4	0.0063		
	-5℃	7	0.0103		
	0℃	6	0.0091		
	+10℃	8	0.0114		
	+20℃	6	0.0095		
	+30℃	2	0.0031		
	+40℃	2	0.0033		
	+50℃	5	0.0069		

Appendix A.9: Frequency Stability V.S. Voltage Measurement

Measurement Data

Reference Frequency: GSM850 (GSM link) Middle channel=190 channel=836.6MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	6	0.0072	2.5	Pass
	3.80	2	0.0024		
	3.61	3	0.0031		
Reference Frequency: GSM850 (GPRS 1 link) Middle channel=190 channel=836.6MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	6	0.0077	2.5	Pass
	3.80	6	0.0075		
	3.61	6	0.0070		
Reference Frequency: GSM850 (EGPRS 1 link) Middle channel=190 channel=836.6MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	5	0.0061	2.5	Pass
	3.80	4	0.0050		
	3.61	3	0.0039		

Reference Frequency: PCS1900 (GSM link) Middle channel=661 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	8	0.0041	2.5	Pass
	3.80	6	0.0031		
	3.61	5	0.0028		
Reference Frequency: PCS1900 (GPRS 1 link) Middle channel=661 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	5	0.0026	2.5	Pass
	3.80	4	0.0019		
	3.61	3	0.0018		
Reference Frequency: PCS1900 (EGPRS 1 link) Middle channel=661 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	7	0.0035	2.5	Pass
	3.80	7	0.0036		
	3.61	4	0.0021		

Reference Frequency: WCDMA Band V Middle channel=4183 channel=836.6MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	2	0.0027	2.5	Pass
	3.80	3	0.0033		
	3.61	7	0.0085		
Reference Frequency: WCDMA Band II Middle channel=940 channel=1880.0MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	6	0.0034	2.5	Pass
	3.80	4	0.0021		
	3.61	4	0.0023		
Reference Frequency: WCDMA Band IV Middle channel=1450 channel=1740.0MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	4	0.0024	2.5	Pass
	3.80	4	0.0022		
	3.61	7	0.0040		

Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	3	0.0014	within authorized band	Pass
	3.80	7	0.0037		
	3.61	4	0.0020		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	8	0.0047	2.5	Pass
	3.80	6	0.0037		
	3.61	8	0.0044		
Reference Frequency: LTE Band 5 Middle channel=20525 channel=836.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	9	0.0110	2.5	Pass
	3.80	10	0.0115		
	3.61	10	0.0115		
Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	11	0.0044	within	Pass

	3.80	11	0.0044	authorized band	
	3.61	10	0.0038		
Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	9	0.0121	within authorized band	Pass
	3.80	9	0.0133		
	3.61	10	0.0145		
Reference Frequency: LTE Band 17 Middle channel=20175 channel=710.0MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	12	0.0164	2.5	Pass
	3.80	12	0.0168		
	3.61	12	0.0172		

Reference Frequency: LTE Band 25 Middle channel=21100 channel=2535MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	10	0.0039	within authorized band	Pass
	3.80	10	0.0040		
	3.61	11	0.0042		
Reference Frequency: LTE Band 26 Middle channel=26740 channel=819MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	8	0.0102	within authorized band	Pass
	3.80	10	0.0122		
	3.61	9	0.0107		
Reference Frequency: LTE Band 38 Middle channel=38000 channel=2595MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	13	0.0049	within authorized band	Pass
	3.80	10	0.0038		
	3.61	8	0.0032		
Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	10	0.0040	2.5	Pass
	3.80	8	0.0032		
	3.61	9	0.0034		
Reference Frequency: LTE Band 66 Middle channel=132322 channel=1745MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	8	0.0044	within authorized band	Pass
	3.80	9	0.0054		
	3.61	8	0.0048		
Reference Frequency: LTE Band 71 Middle channel=133297 channel=680.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	12	0.0177	2.5	Pass
	3.80	10	0.0152		
	3.61	9	0.0128		

-----End of Report-----