

Frequency Stability

GSM

GSM 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-10	18.08	±2060.5	20.15	±2091.5	21.02	±2122	Pass
	0	18.6		18.6		21.02		
	+10	17.43		17.66		19.21		
	+20	17.92		20.05		23.5		
	+25	18.82		16.98		21.5		
	+30	18.73		20.92		22.41		
	+40	19.37		16.85		22.47		
	+50	18.34		21.24		18.98		
4.2	+25	20.31		17.98		21.89		
3.4	+25	20.53		20.21		15.82		

GSM 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-10	16.95	±4625.5	18.14	±4700.0	21.21	±4774.5	Pass
	0	18.56		12.82		20.47		
	+10	14.75		16.56		18.76		
	+20	15.37		18.5		25.15		
	+25	14.63		17.82		18.18		
	+30	21.83		17.85		21.92		
	+40	10.14		17.08		18.5		
	+50	17.31		16.47		13.82		
4.2	+25	19.86		14.63		20.28		
3.4	+25	14.82		15.11		21.63		

GPRS

GPRS 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-10	-3.63	±2060.5	-5	±2091.5	-7.5	±2122	Pass
	0	-5.53		-9.75		-6.6		
	+10	-7.2		-6.58		-6.79		
	+20	-8.25		-7.88		-9.99		
	+25	-10.12		-8.05		-4.92		
	+30	-6.36		-5.23		-4.5		
	+40	-5.1		-4.95		-6.2		
	+50	3.23		-6.42		4.37		
4.2	+25	4.85		3.59		-5.16		
3.4	+25	-7.94		-5.77		-6.58		

GPRS 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-10	-6.86	±4625.5	-15.05	±4700.0	-8.65	±4774.5	Pass
	0	-10.76		-13.82		-7.35		
	+10	-7.35		-7.56		7.37		
	+20	-8.29		8.37		13.28		
	+25	8.34		5.45		10.98		
	+30	-9.11		9.92		-11.12		
	+40	-6.55		-9.6		11.53		
	+50	11.55		9.87		-6.88		
4.2	+25	7.31		-10.28		14.94		
3.4	+25	-6.87		-10.42		12.96		

EGPRS

EGPRS 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-10	-9.08	±2060.5	3.58	±2091.5	-5.62	±2122	Pass
	0	5.69		6.29		6.34		
	+10	-4.23		5.26		6.05		
	+20	5.14		5.35		5.78		
	+25	5.72		7.51		3.98		
	+30	-7.17		6.57		6.53		
	+40	5.59		5.47		-5.44		
	+50	-4.32		7.13		6.71		
4.2	+25	3.6		5.02		7.9		
3.4	+25	7.7		8.88		9.69		

EGPRS 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-10	17.06	±4625.5	17.9	±4700.0	17.7	±4774.5	Pass
	0	21.41		20.12		21.49		
	+10	21.63		21.49		22.54		
	+20	20.21		19.23		24.64		
	+25	14.27		14		19.28		
	+30	15.71		22.45		13.28		
	+40	16.41		14.22		14.61		
	+50	11.29		16.52		16.45		
4.2	+25	14.46		12.61		17.85		
3.4	+25	13.8		18.3		18.67		

WCDMA

WCDMA Band 2

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1852.4 MHz		MCH 1880 MHz		HCH 1907.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-10	1.03	±4631	-11.66	±4700	-7.14	±4769	Pass
	0	-6.76		-8.19		-10.92		
	+10	-5.35		-10.98		-9.37		
	+20	-11.71		-6.24		-10.96		
	+25	-4.43		-11.13		-11.27		
	+30	-6.97		-7.42		-12.75		
	+40	-8.27		-10.27		-9.72		
	+50	-11.42		-9.84		-19.7		
4.2	+25	-3.63		-13.05		-11.33		
3.4	+25	-7.12		-10.93		-11.02		

WCDMA Band 4

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1712.4 MHz		MCH 1732.4 MHz		HCH 1752.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-10	-5.24	±4281	-4.6	±4331	-4.79	±4381.5	Pass
	0	-5.5		-4.11		-10.58		
	+10	-7.61		-4.44		-2.11		
	+20	-4.49		-5.88		-7.71		
	+25	-12.02		-8.06		-7.44		
	+30	-4		-7.17		-9.8		
	+40	-5.48		-5.15		-3.79		
	+50	-5.71		-9.82		-11.45		
4.2	+25	-7.37		-8.22		-9.02		
3.4	+25	-10.87		-12.63		-8.76		

LTE

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-1.99	±4700	Pass
	0	-6.25		
	+10	-10.37		
	+20	-6.65		
	+25	-8.3		
	+30	-11.6		
	+40	-3.19		
	+50	-9.06		
4.2	+25	-8.84	±4700	Pass
3.4	+25	-7.21		

LTE Band 2 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-7.34	±4700	Pass
	0	-7.8		
	+10	-5.55		
	+20	-8.67		
	+25	-8.47		
	+30	-8.4		
	+40	-8.88		
	+50	-3.73		
4.2	+25	-5.09	±4700	Pass
3.4	+25	-5.36		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-8.54	±4331.25	Pass
	0	-2.73		
	+10	-7.82		
	+20	-9.36		
	+25	-6.65		
	+30	-3.48		
	+40	-3.89		
	+50	0.03		
4.2	+25	-3.53	±4331.25	Pass
3.4	+25	-3.79		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-4.31	±4331.25	Pass
	0	-7.01		
	+10	-7.75		
	+20	-10.27		
	+25	-7.44		
	+30	-8.31		
	+40	-5.78		
	+50	-7.5		
4.2	+25	-4.82	±4331.25	Pass
3.4	+25	-3.02		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-5.02	±2091.25	Pass
	0	-7.21		
	+10	-4.52		
	+20	-6.94		
	+25	-8.8		
	+30	-5.61		
	+40	-6.64		
	+50	-6.55		
4.2	+25	-2.82	±2091.25	Pass
3.4	+25	-5.29		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-4.65	±2091.25	Pass
	0	-4.86		
	+10	-6.02		
	+20	-7.78		
	+25	-8.65		
	+30	-5.25		
	+40	-5.16		
	+50	-5.48		
4.2	+25	-7.65	±2091.25	Pass
3.4	+25	-4.72		

LTE Band 7 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-3.26	±6337.5	Pass
	0	-8.61		
	+10	-4.23		
	+20	-6.17		
	+25	-2.12		
	+30	-0.92		
	+40	-4.02		
	+50	-7.91		
4.2	+25	-5.44	±6337.5	Pass
3.4	+25	-0.72		

LTE Band 7 16-QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-4.41	±6337.5	Pass
	0	-3.16		
	+10	-8.54		
	+20	-6.67		
	+25	-2.27		
	+30	-3.82		
	+40	-10.71		
	+50	-10.33		
4.2	+25	0.57	±6337.5	Pass
3.4	+25	-3.68		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-3.09	±1768.75	Pass
	0	-3.92		
	+10	-7.1		
	+20	-2.3		
	+25	-5.16		
	+30	-4.08		
	+40	-3.08		
	+50	-5.48		
4.2	+25	-7.48	±1768.75	Pass
3.4	+25	-6.69		

LTE Band 12 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-6.87	±1768.75	Pass
	0	-4.13		
	+10	-4.84		
	+20	-4.55		
	+25	-4.66		
	+30	-6.05		
	+40	-2.82		
	+50	-7.15		
4.2	+25	-3.1	±1768.75	Pass
3.4	+25	-5.91		

LTE Band 13 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	3.25	±1768.75	Pass
	0	3.56		
	+10	-4.32		
	+20	-2.14		
	+25	5.36		
	+30	-5.67		
	+40	5.71		
	+50	-6.51		
4.2	+25	5.36	±1768.75	Pass
3.4	+25	-4.65		

LTE Band 13 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	4.35	±1768.75	Pass
	0	4.26		
	+10	-3.65		
	+20	-2.31		
	+25	6.45		
	+30	-6.71		
	+40	6.32		
	+50	-5.34		
4.2	+25	4.62	±1768.75	Pass
3.4	+25	-6.72		

LTE Band 17 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-4.71	±1775	Pass
	0	-3.99		
	+10	-4.02		
	+20	-6.65		
	+25	-4.88		
	+30	-6.08		
	+40	-5.94		
	+50	-2.5		
4.2	+25	-6.62		
3.4	+25	-7.6		

LTE Band 17 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-5.85	±1775	Pass
	0	-6.52		
	+10	-4.53		
	+20	-5.06		
	+25	-4.94		
	+30	-4.94		
	+40	-4.22		
	+50	-10.06		
4.2	+25	-4.51		
3.4	+25	-4.81		

LTE Band 66 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-2.42	±4362.5	Pass
	0	-4.62		
	+10	-1.66		
	+20	-2.6		
	+25	-1.29		
	+30	-5.78		
	+40	-4.65		
	+50	-1.75		
4.2	+25	-3.3	±4362.5	Pass
3.4	+25	-6.92		

LTE Band 66 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-7.85	±4362.5	Pass
	0	-5.11		
	+10	-2.7		
	+20	-1.34		
	+25	-3.18		
	+30	-9.96		
	+40	-7.08		
	+50	-7.97		
4.2	+25	-10.37	±4362.5	Pass
3.4	+25	-8.11		

LTE Band 71 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 680.5 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-5.68	±4362.5	Pass
	0	-4.13		
	+10	-6.02		
	+20	-6.42		
	+25	-7.93		
	+30	-5.06		
	+40	-2.6		
	+50	-2.57		
4.2	+25	-6.44		
3.4	+25	-2.6		

LTE Band 71 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 680.5 MHz		
		Value(Hz)	Limits (Hz)	
3.87	-10	-9.21	±4362.5	Pass
	0	-6.94		
	+10	-7.21		
	+20	-4.49		
	+25	-6.45		
	+30	-6.9		
	+40	-3.99		
	+50	-9.14		
4.2	+25	-5.32		
3.4	+25	-4.85		

1. GPRS_GSM850

1.1 GPRS Frequency Stability_Part22-24(-10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-9.08	-2060.5	2060.5	Pass
190	5	Static	3.58	-2091.5	2091.5	Pass
251	5	Static	-5.62	-2122	2122	Pass

1.2 GPRS Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	5.69	-2060.5	2060.5	Pass
190	5	Static	6.29	-2091.5	2091.5	Pass
251	5	Static	6.34	-2122	2122	Pass

1.3 GPRS Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-4.23	-2060.5	2060.5	Pass
190	5	Static	5.26	-2091.5	2091.5	Pass
251	5	Static	6.05	-2122	2122	Pass

1.4 GPRS Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	5.14	-2060.5	2060.5	Pass
190	5	Static	5.35	-2091.5	2091.5	Pass
251	5	Static	5.78	-2122	2122	Pass

1.5 GPRS Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	5.72	-2060.5	2060.5	Pass
190	5	Static	7.51	-2091.5	2091.5	Pass
251	5	Static	3.98	-2122	2122	Pass

1.6 GPRS Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-7.17	-2060.5	2060.5	Pass
190	5	Static	6.57	-2091.5	2091.5	Pass
251	5	Static	6.53	-2122	2122	Pass

1.7 GPRS Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	5.59	-2060.5	2060.5	Pass
190	5	Static	5.47	-2091.5	2091.5	Pass
251	5	Static	-5.44	-2122	2122	Pass

1.8 GPRS Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-4.32	-2060.5	2060.5	Pass
190	5	Static	7.13	-2091.5	2091.5	Pass
251	5	Static	6.71	-2122	2122	Pass

1.9 GPRS Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	3.6	-2060.5	2060.5	Pass
190	5	Static	5.02	-2091.5	2091.5	Pass
251	5	Static	7.9	-2122	2122	Pass

1.10 GPRS Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	7.7	-2060.5	2060.5	Pass
190	5	Static	8.88	-2091.5	2091.5	Pass
251	5	Static	9.69	-2122	2122	Pass

2. GPRS_PCS

2.1 GPRS Frequency Stability_Part22-24(-10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	17.06	-4625.5	4625.5	Pass
661	0	Static	17.9	-4700	4700	Pass
810	0	Static	17.7	-4774.5	4774.5	Pass

2.2 GPRS Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	21.41	-4625.5	4625.5	Pass
661	0	Static	20.12	-4700	4700	Pass
810	0	Static	21.49	-4774.5	4774.5	Pass

2.3 GPRS Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	21.63	-4625.5	4625.5	Pass
661	0	Static	21.49	-4700	4700	Pass
810	0	Static	22.54	-4774.5	4774.5	Pass

2.4 GPRS Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	20.21	-4625.5	4625.5	Pass
661	0	Static	19.23	-4700	4700	Pass
810	0	Static	24.64	-4774.5	4774.5	Pass

2.5 GPRS Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	14.27	-4625.5	4625.5	Pass
661	0	Static	14	-4700	4700	Pass
810	0	Static	19.28	-4774.5	4774.5	Pass

2.6 GPRS Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	15.71	-4625.5	4625.5	Pass
661	0	Static	22.45	-4700	4700	Pass
810	0	Static	13.28	-4774.5	4774.5	Pass

2.7 GPRS Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	16.41	-4625.5	4625.5	Pass
661	0	Static	14.22	-4700	4700	Pass
810	0	Static	14.61	-4774.5	4774.5	Pass

2.8 GPRS Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	11.29	-4625.5	4625.5	Pass
661	0	Static	16.52	-4700	4700	Pass
810	0	Static	16.45	-4774.5	4774.5	Pass

2.9 GPRS Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	14.46	-4625.5	4625.5	Pass
661	0	Static	12.61	-4700	4700	Pass
810	0	Static	17.85	-4774.5	4774.5	Pass

2.10 GPRS Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	13.8	-4625.5	4625.5	Pass
661	0	Static	18.3	-4700	4700	Pass
810	0	Static	18.67	-4774.5	4774.5	Pass

1. EGPRS_GSM850

1.1 EGPRS Frequency Stability_Part22-24(-10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-3.63	-2060.5	2060.5	Pass
190	8	Static	-5	-2091.5	2091.5	Pass
251	8	Static	-7.5	-2122	2122	Pass

1.2 EGPRS Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-5.53	-2060.5	2060.5	Pass
190	8	Static	-9.75	-2091.5	2091.5	Pass
251	8	Static	-6.6	-2122	2122	Pass

1.3 EGPRS Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-7.2	-2060.5	2060.5	Pass
190	8	Static	-6.58	-2091.5	2091.5	Pass
251	8	Static	-6.79	-2122	2122	Pass

1.4 EGPRS Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-8.25	-2060.5	2060.5	Pass
190	8	Static	-7.88	-2091.5	2091.5	Pass
251	8	Static	-9.99	-2122	2122	Pass

1.5 EGPRS Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-10.12	-2060.5	2060.5	Pass
190	8	Static	-8.05	-2091.5	2091.5	Pass
251	8	Static	-4.92	-2122	2122	Pass

1.6 EGPRS Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-6.36	-2060.5	2060.5	Pass
190	8	Static	-5.23	-2091.5	2091.5	Pass
251	8	Static	-4.5	-2122	2122	Pass

1.7 EGPRS Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-5.1	-2060.5	2060.5	Pass
190	8	Static	-4.95	-2091.5	2091.5	Pass
251	8	Static	-6.2	-2122	2122	Pass

1.8 EGPRS Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	3.23	-2060.5	2060.5	Pass
190	8	Static	-6.42	-2091.5	2091.5	Pass
251	8	Static	4.37	-2122	2122	Pass

1.9 EGPRS Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	4.85	-2060.5	2060.5	Pass
190	8	Static	3.59	-2091.5	2091.5	Pass
251	8	Static	-5.16	-2122	2122	Pass

1.10 EGPRS Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-7.94	-2060.5	2060.5	Pass
190	8	Static	-5.77	-2091.5	2091.5	Pass
251	8	Static	-6.58	-2122	2122	Pass

2. EGPRS_PCS

2.1 EGPRS Frequency Stability_Part22-24(-10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-6.86	-4625.5	4625.5	Pass
661	2	Static	-15.05	-4700	4700	Pass
810	2	Static	-8.65	-4774.5	4774.5	Pass

2.2 EGPRS Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-10.76	-4625.5	4625.5	Pass
661	2	Static	-13.82	-4700	4700	Pass
810	2	Static	-7.35	-4774.5	4774.5	Pass

2.3 EGPRS Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-7.35	-4625.5	4625.5	Pass
661	2	Static	-7.56	-4700	4700	Pass
810	2	Static	7.37	-4774.5	4774.5	Pass

2.4 EGPRS Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-8.29	-4625.5	4625.5	Pass
661	2	Static	8.37	-4700	4700	Pass
810	2	Static	13.28	-4774.5	4774.5	Pass

2.5 EGPRS Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	8.34	-4625.5	4625.5	Pass
661	2	Static	5.45	-4700	4700	Pass
810	2	Static	10.98	-4774.5	4774.5	Pass

2.6 EGPRS Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-9.11	-4625.5	4625.5	Pass
661	2	Static	9.92	-4700	4700	Pass
810	2	Static	-11.12	-4774.5	4774.5	Pass

2.7 EGPRS Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-6.55	-4625.5	4625.5	Pass
661	2	Static	-9.6	-4700	4700	Pass
810	2	Static	11.53	-4774.5	4774.5	Pass

2.8 EGPRS Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	11.55	-4625.5	4625.5	Pass
661	2	Static	9.87	-4700	4700	Pass
810	2	Static	-6.88	-4774.5	4774.5	Pass

2.9 EGPRS Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	7.31	-4625.5	4625.5	Pass
661	2	Static	-10.28	-4700	4700	Pass
810	2	Static	14.94	-4774.5	4774.5	Pass

2.10 EGPRS Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-6.87	-4625.5	4625.5	Pass
661	2	Static	-10.42	-4700	4700	Pass
810	2	Static	12.96	-4774.5	4774.5	Pass

1. LTE_Band2

1.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-1.99	Pass
18900	10	Q16	50	LOW	-4700	4700	-7.34	Pass

1.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-6.25	Pass
18900	10	Q16	50	LOW	-4700	4700	-7.8	Pass

1.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-10.37	Pass
18900	10	Q16	50	LOW	-4700	4700	-5.55	Pass

1.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-6.65	Pass
18900	10	Q16	50	LOW	-4700	4700	-8.67	Pass

1.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-8.3	Pass
18900	10	Q16	50	LOW	-4700	4700	-8.47	Pass

1.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-11.6	Pass
18900	10	Q16	50	LOW	-4700	4700	-8.4	Pass

1.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-3.19	Pass
18900	10	Q16	50	LOW	-4700	4700	-8.88	Pass

1.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-9.06	Pass
18900	10	Q16	50	LOW	-4700	4700	-3.73	Pass

1.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-8.84	Pass
18900	10	Q16	50	LOW	-4700	4700	-5.09	Pass

1.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
18900	10	QPSK	50	LOW	-4700	4700	-7.21	Pass
18900	10	Q16	50	LOW	-4700	4700	-5.36	Pass

2. LTE_Band4

2.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-8.54	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-4.31	Pass

2.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-2.73	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-7.01	Pass

2.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-7.82	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-7.75	Pass

2.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-9.36	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-10.27	Pass

2.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-6.65	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-7.44	Pass

2.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-3.48	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-8.31	Pass

2.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-3.89	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-5.78	Pass

2.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	0.03	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-7.5	Pass

2.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-3.53	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-4.82	Pass

2.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20175	10	QPSK	50	LOW	-4331.25	4331.25	-3.79	Pass
20175	10	Q16	50	LOW	-4331.25	4331.25	-3.02	Pass

3. LTE_Band5

3.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-5.02	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-4.65	Pass

3.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-7.21	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-4.86	Pass

3.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-4.52	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-6.02	Pass

3.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-6.94	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-7.78	Pass

3.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-8.8	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-8.65	Pass

3.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-5.61	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-5.25	Pass

3.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-6.64	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-5.16	Pass

3.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-6.55	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-5.48	Pass

3.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-2.82	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-7.65	Pass

3.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20525	10	QPSK	50	LOW	-2091.25	2091.25	-5.29	Pass
20525	10	Q16	50	LOW	-2091.25	2091.25	-4.72	Pass

4. LTE_Band7

4.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-3.26	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-4.41	Pass

4.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-8.61	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-3.16	Pass

4.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-4.23	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-8.54	Pass

4.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-6.17	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-6.67	Pass

4.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-2.12	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-2.27	Pass

4.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-0.92	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-3.82	Pass

4.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-4.02	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-10.71	Pass

4.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-7.91	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-10.33	Pass

4.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-5.44	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	0.57	Pass

4.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
21100	10	QPSK	50	LOW	-6337.5	6337.5	-0.72	Pass
21100	10	Q16	50	LOW	-6337.5	6337.5	-3.68	Pass

5. LTE_Band12

5.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-3.09	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-6.87	Pass

5.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-3.92	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-4.13	Pass

5.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-7.1	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-4.84	Pass

5.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-2.3	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-4.55	Pass

5.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-5.16	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-4.66	Pass

5.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-4.08	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-6.05	Pass

5.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-3.08	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-2.82	Pass

5.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-5.48	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-7.15	Pass

5.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-7.48	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-3.1	Pass

5.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23095	10	QPSK	50	LOW	-1768.75	1768.75	-6.69	Pass
23095	10	Q16	50	LOW	-1768.75	1768.75	-5.91	Pass

6. LTE_Band13

6.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	3.25	Pass
23230	10	Q16	50	LOW	-1955	1955	4.35	Pass

6.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	3.56	Pass
23230	10	Q16	50	LOW	-1955	1955	4.26	Pass

6.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	-4.32	Pass
23230	10	Q16	50	LOW	-1955	1955	-3.65	Pass

6.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	-2.14	Pass
23230	10	Q16	50	LOW	-1955	1955	-2.31	Pass

6.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	5.36	Pass
23230	10	Q16	50	LOW	-1955	1955	6.45	Pass

6.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	-5.67	Pass
23230	10	Q16	50	LOW	-1955	1955	-6.71	Pass

6.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	5.71	Pass
23230	10	Q16	50	LOW	-1955	1955	6.32	Pass

6.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	-6.51	Pass
23230	10	Q16	50	LOW	-1955	1955	-5.34	Pass

6.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	5.36	Pass
23230	10	Q16	50	LOW	-1955	1955	4.62	Pass

6.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23230	10	QPSK	50	LOW	-1955	1955	-4.65	Pass
23230	10	Q16	50	LOW	-1955	1955	-6.72	Pass

7. LTE_Band17

7.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-4.71	Pass
23790	10	Q16	50	LOW	-1775	1775	-5.85	Pass

7.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-3.99	Pass
23790	10	Q16	50	LOW	-1775	1775	-6.52	Pass

7.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-4.02	Pass
23790	10	Q16	50	LOW	-1775	1775	-4.53	Pass

7.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-6.65	Pass
23790	10	Q16	50	LOW	-1775	1775	-5.06	Pass

7.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-4.88	Pass
23790	10	Q16	50	LOW	-1775	1775	-4.94	Pass

7.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-6.08	Pass
23790	10	Q16	50	LOW	-1775	1775	-4.94	Pass

7.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-5.94	Pass
23790	10	Q16	50	LOW	-1775	1775	-4.22	Pass

7.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-2.5	Pass
23790	10	Q16	50	LOW	-1775	1775	-10.06	Pass

7.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-6.62	Pass
23790	10	Q16	50	LOW	-1775	1775	-4.51	Pass

7.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23790	10	QPSK	50	LOW	-1775	1775	-7.6	Pass
23790	10	Q16	50	LOW	-1775	1775	-4.81	Pass

8. LTE_Band66

8.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-2.42	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-7.85	Pass

8.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-4.62	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-5.11	Pass

8.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-1.66	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-2.7	Pass

8.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-2.6	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-1.34	Pass

8.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-1.29	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-3.18	Pass

8.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-5.78	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-9.96	Pass

8.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-4.65	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-7.08	Pass

8.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-1.75	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-7.97	Pass

8.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-3.3	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-10.37	Pass

8.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
132322	10	QPSK	50	LOW	-4362.5	4362.5	-6.92	Pass
132322	10	Q16	50	LOW	-4362.5	4362.5	-8.11	Pass

9. LTE_Band71

9.1 LTE Frequency Stability_Part22-24-27(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-5.68	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-9.21	Pass

9.2 LTE Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-4.13	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-6.94	Pass

9.3 LTE Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-6.02	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-7.21	Pass

9.4 LTE Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-6.42	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-4.49	Pass

9.5 LTE Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-7.93	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-6.45	Pass

9.6 LTE Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-5.06	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-6.9	Pass

9.7 LTE Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-2.6	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-3.99	Pass

9.8 LTE Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-2.57	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-9.14	Pass

9.9 LTE Frequency Stability_Part22-24-27(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-6.44	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-5.32	Pass

9.10 LTE Frequency Stability_Part22-24-27(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
133297	10	QPSK	50	LOW	-1701.25	1701.25	-2.6	Pass
133297	10	Q16	50	LOW	-1701.25	1701.25	-4.85	Pass