

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)	
3.85	-20	10.43	±2060.5	11.82	±2091.5	9.23	±2122	Pass
	-10	6.78		9.1		9.52		
	0	8.59		9.62		6.49		
	+10	9.23		9.88		11.46		
	+20	8.81		10.78		9.62		
	+25	9.59		9.72		12.27		
	+30	10.88		10.56		5.97		
	+40	4.97		7.36		4.49		
4.4	+25	5.26		8.3		5.59		
3.0	+25	8.39		9.07		10.85		

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)	
3.85	-20	5.07	±2060.5	4.52	±2091.5	6.49	±2122	Pass
	-10	-4.13		5		6.26		
	0	-3.75		5.59		8.07		
	+10	-4.46		-4.97		7.75		
	+20	-5.68		8.3		5.97		
	+25	4.58		4.62		4.91		
	+30	4.58		-4.04		3.58		
	+40	-3.97		5.17		6.23		
4.4	+25	4.52		6.42		4.75		
3.0	+25	-6.78		6.88		7.81		

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)	
3.85	-20	-17.34	±2060.5	-17.82	±2091.5	-20.79	±2122	Pass
	-10	-12.11		-11.27		-13.82		
	0	-13.53		-22.28		-9.52		
	+10	-11.36		-12.04		-11.59		
	+20	-19.08		-12.75		-15.08		
	+25	-17.43		-10.3		-16.63		
	+30	-16.85		-17.63		-13.17		
	+40	-14.56		-10.33		-10.69		
4.4	+25	-22.05		-11.62		-15.53		
3.0	+25	-15.79		-16.4		-11.2		

WCDMA

WCDMA Band B5

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 826.4 MHz		MCH 836.4 MHz		HCH 846.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85	-20	-6.68	±2066	-7.85	±2091	-5.58	±2116.5	Pass
	-10	-7.45		-14.03		-11.38		
	0	-8.65		-11.74		-10.29		
	+10	-12.04		-11.88		-12.6		
	+20	-14.77		-10.66		-13.3		
	+25	-13.07		-9.94		-7		
	+30	-6.52		-13.05		-6.17		
	+40	-8.96		-14.51		-7.2		
4.4	+25	-10.27		-10.02		-9.63		
3.0	+25	-9.61		-13.9		-9.34		

LTE

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-22.87	±4700	Pass
	-10	-15.01		
	0	-7.52		
	+10	-2.86		
	+20	-3.95		
	+25	-8.33		
	+30	-4.21		
	+40	-1.39		
4.4	+25	-13.23	±4700	Pass
3.0	+25	-16.95		

LTE Band 2 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-8.08	±4700	Pass
	-10	-8.88		
	0	-13.63		
	+10	-2.43		
	+20	-4.48		
	+25	-13.8		
	+30	-14.55		
	+40	-13.28		
4.4	+25	3.62	±4700	Pass
3.0	+25	-16.08		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	1.2	±4331.25	Pass
	-10	-8.64		
	0	-8.83		
	+10	-9.74		
	+20	-7.07		
	+25	-7.25		
	+30	-2.78		
	+40	-13.72		
4.4	+25	-7.97	±4331.25	Pass
3.0	+25	-0.96		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-2.33	±4331.25	Pass
	-10	-0.24		
	0	-3.26		
	+10	-2.56		
	+20	-0.46		
	+25	-1.37		
	+30	-8.31		
	+40	-9.63		
4.4	+25	-12.25	±4331.25	Pass
3.0	+25	-8.03		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-2	±2091.25	Pass
	-10	-7.47		
	0	-7.67		
	+10	-3.26		
	+20	-4.68		
	+25	2.33		
	+30	-8.34		
	+40	-5.29		
4.4	+25	-4.25	±2091.25	Pass
3.0	+25	-2.52		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-5.26	±2091.25	Pass
	-10	-8.2		
	0	-0.53		
	+10	-7.12		
	+20	-4.13		
	+25	-5.65		
	+30	-9.48		
	+40	-0.64		
4.4	+25	-6.91	±2091.25	Pass
3.0	+25	-2.8		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-5.58	±1768.75	Pass
	-10	-11.06		
	0	-3.71		
	+10	-10.03		
	+20	-7.51		
	+25	-8.37		
	+30	-2.16		
	+40	-4.85		
4.4	+25	-4.68	±1768.75	Pass
3.0	+25	-11		

LTE Band 12 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-4.42	±1768.75	Pass
	-10	-3.78		
	0	-3.63		
	+10	-0.72		
	+20	-3.92		
	+25	-5.38		
	+30	-3.92		
	+40	-2.5		
4.4	+25	-8.65	±1768.75	Pass
3.0	+25	-8.9		

LTE Band 13 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-2.5	±1768.75	Pass
	-10	-7.88		
	0	-6.05		
	+10	-0.94		
	+20	-4.09		
	+25	-3.55		
	+30	-7.35		
	+40	-5.97		
4.4	+25	-3.33		
3.0	+25	-4.53		

LTE Band 13 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-10.06	±1768.75	Pass
	-10	-5.42		
	0	-8.21		
	+10	-4.02		
	+20	-6.51		
	+25	-9.63		
	+30	-11.6		
	+40	-3.03		
4.4	+25	-4.94		
3.0	+25	-7.77		

LTE Band 41 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-7.32	±6482.5	Pass
	-10	-7.75		
	0	-10.86		
	+10	-4.88		
	+20	-4.45		
	+25	-4.08		
	+30	-10.13		
	+40	-2.66		
4.4	+25	-6.72		
3.0	+25	-5.65		

LTE Band 41 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-7.11	±6482.5	Pass
	-10	-9.8		
	0	-5.91		
	+10	-4.53		
	+20	-3.59		
	+25	-11.01		
	+30	-6.9		
	+40	-7.91		
4.4	+25	-5.65		
3.0	+25	-5.61		

LTE Band 66 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-0.31	±4362.5	Pass
	-10	-5.61		
	0	-7.17		
	+10	-3.86		
	+20	-9.16		
	+25	1.49		
	+30	0.5		
	+40	-10.04		
4.4	+25	-6.47		
3.0	+25	1.9		

LTE Band 66 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-7.37	±4362.5	Pass
	-10	-12.15		
	0	-5.09		
	+10	-6.32		
	+20	-8.51		
	+25	-0.37		
	+30	1.85		
	+40	-3.58		
4.4	+25	-3.73		
3.0	+25	-9.54		

LTE Band 71 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 680.5 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-8.84	±4362.5	Pass
	-10	-4.84		
	0	-5.26		
	+10	-6.15		
	+20	-11.2		
	+25	-1.59		
	+30	-9.56		
	+40	-8.14		
4.4	+25	-7.85		
3.0	+25	-1.39		

LTE Band 71 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 680.5 MHz		
		Value(Hz)	Limits (Hz)	
3.85	-20	-5.91	±4362.5	Pass
	-10	-8.55		
	0	-9.3		
	+10	-7.12		
	+20	-7.38		
	+25	-2.49		
	+30	-7.04		
	+40	-5.78		
4.4	+25	-8.65		
3.0	+25	-5.68		

GSM_GSM850

1.1. GSM Frequency Stability_Part22-24(-10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	10.43	-2060.5	2060.5	Pass
190	5	Static	11.82	-2091.5	2091.5	Pass
251	5	Static	9.23	-2122	2122	Pass

1.2. GSM Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	6.78	-2060.5	2060.5	Pass
190	5	Static	9.1	-2091.5	2091.5	Pass
251	5	Static	9.52	-2122	2122	Pass

1.3. GSM Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	8.59	-2060.5	2060.5	Pass
190	5	Static	9.62	-2091.5	2091.5	Pass
251	5	Static	6.49	-2122	2122	Pass

1.4. GSM Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	9.23	-2060.5	2060.5	Pass
190	5	Static	9.88	-2091.5	2091.5	Pass
251	5	Static	11.46	-2122	2122	Pass

1.5. GSM Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	8.81	-2060.5	2060.5	Pass
190	5	Static	10.78	-2091.5	2091.5	Pass
251	5	Static	9.62	-2122	2122	Pass

1.6. GSM Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	9.59	-2060.5	2060.5	Pass
190	5	Static	9.72	-2091.5	2091.5	Pass
251	5	Static	12.27	-2122	2122	Pass

1.7. GSM Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	10.88	-2060.5	2060.5	Pass
190	5	Static	10.56	-2091.5	2091.5	Pass
251	5	Static	5.97	-2122	2122	Pass

1.8. GSM Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	4.97	-2060.5	2060.5	Pass
190	5	Static	7.36	-2091.5	2091.5	Pass
251	5	Static	4.49	-2122	2122	Pass

1.9. GSM Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	5.26	-2060.5	2060.5	Pass
190	5	Static	8.3	-2091.5	2091.5	Pass
251	5	Static	5.59	-2122	2122	Pass

1.10. GSM Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	8.39	-2060.5	2060.5	Pass
190	5	Static	9.07	-2091.5	2091.5	Pass
251	5	Static	10.85	-2122	2122	Pass

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	5.07	-2060.5	2060.5	Pass
190	5	Static	4.52	-2091.5	2091.5	Pass
251	5	Static	6.49	-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	-4.13	-2060.5	2060.5	Pass
190	5	Static	5	-2091.5	2091.5	Pass
251	5	Static	6.26	-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	-3.75	-2060.5	2060.5	Pass
190	5	Static	5.59	-2091.5	2091.5	Pass
251	5	Static	8.07	-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	-4.46	-2060.5	2060.5	Pass
190	5	Static	-4.97	-2091.5	2091.5	Pass
251	5	Static	7.75	-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	-5.68	-2060.5	2060.5	Pass
190	5	Static	8.3	-2091.5	2091.5	Pass
251	5	Static	5.97	-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	4.58	-2060.5	2060.5	Pass
190	5	Static	4.62	-2091.5	2091.5	Pass
251	5	Static	4.91	-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	4.58	-2060.5	2060.5	Pass
190	5	Static	-4.04	-2091.5	2091.5	Pass
251	5	Static	3.58	-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	-3.97	-2060.5	2060.5	Pass
190	5	Static	5.17	-2091.5	2091.5	Pass
251	5	Static	6.23	-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	4.52	-2060.5	2060.5	Pass
190	5	Static	6.42	-2091.5	2091.5	Pass
251	5	Static	4.75	-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	-6.78	-2060.5	2060.5	Pass
190	5	Static	6.88	-2091.5	2091.5	Pass
251	5	Static	7.81	-2122	2122	Pass

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	-17.34	-2060.5	2060.5	Pass
190	8	Static	-17.82	-2091.5	2091.5	Pass
251	8	Static	-20.79	-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	-12.11	-2060.5	2060.5	Pass
190	8	Static	-11.27	-2091.5	2091.5	Pass
251	8	Static	-13.82	-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	-13.53	-2060.5	2060.5	Pass
190	8	Static	-22.28	-2091.5	2091.5	Pass
251	8	Static	-9.52	-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	-11.36	-2060.5	2060.5	Pass
190	8	Static	-12.04	-2091.5	2091.5	Pass
251	8	Static	-11.59	-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	-19.08	-2060.5	2060.5	Pass
190	8	Static	-12.75	-2091.5	2091.5	Pass
251	8	Static	-15.08	-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	-17.43	-2060.5	2060.5	Pass
190	8	Static	-10.3	-2091.5	2091.5	Pass
251	8	Static	-16.63	-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	-16.85	-2060.5	2060.5	Pass
190	8	Static	-17.63	-2091.5	2091.5	Pass
251	8	Static	-13.17	-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	-14.56	-2060.5	2060.5	Pass
190	8	Static	-10.33	-2091.5	2091.5	Pass
251	8	Static	-10.69	-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	-22.05	-2060.5	2060.5	Pass
190	8	Static	-11.62	-2091.5	2091.5	Pass
251	8	Static	-15.53	-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	-15.79	-2060.5	2060.5	Pass
190	8	Static	-16.4	-2091.5	2091.5	Pass
251	8	Static	-11.2	-2122	2122	Pass

WCDMA_Band5

1.1. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	4132	-2066	2066	-6.68	Pass
-10 Degree	4182	-2091	2091	-7.85	Pass
-10 Degree	4233	-2116.5	2116.5	-5.58	Pass

1.2. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	4132	-2066	2066	-7.45	Pass
0 Degree	4182	-2091	2091	-14.03	Pass
0 Degree	4233	-2116.5	2116.5	-11.38	Pass

1.3. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	4132	-2066	2066	-8.65	Pass
10 Degree	4182	-2091	2091	-11.74	Pass
10 Degree	4233	-2116.5	2116.5	-10.29	Pass

1.4. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	4132	-2066	2066	-12.04	Pass
20 Degree	4182	-2091	2091	-11.88	Pass
20 Degree	4233	-2116.5	2116.5	-12.6	Pass

1.5. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	4132	-2066	2066	-14.77	Pass
25 Degree	4182	-2091	2091	-10.66	Pass
25 Degree	4233	-2116.5	2116.5	-13.3	Pass

1.6. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	4132	-2066	2066	-13.07	Pass
30 Degree	4182	-2091	2091	-9.94	Pass
30 Degree	4233	-2116.5	2116.5	-7	Pass

1.7. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	4132	-2066	2066	-6.52	Pass
40 Degree	4182	-2091	2091	-13.05	Pass
40 Degree	4233	-2116.5	2116.5	-6.17	Pass

1.8. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	4132	-2066	2066	-8.96	Pass
50 Degree	4182	-2091	2091	-14.51	Pass
50 Degree	4233	-2116.5	2116.5	-7.2	Pass

1.9. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	4132	-2066	2066	-10.27	Pass
NTHV	4182	-2091	2091	-10.02	Pass
NTHV	4233	-2116.5	2116.5	-9.63	Pass

1.10. WCDMA Frequency Stability_Part22-24-27

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	4132	-2066	2066	-9.61	Pass
NTLV	4182	-2091	2091	-13.9	Pass
NTLV	4233	-2116.5	2116.5	-9.34	Pass

1. LTE_Band41

1.1. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	40620	10	QPSK	50	0	-6482.5	6482.5	-22.87	Pass
-10 Degree	40620	10	16QAM	50	0	-6482.5	6482.5	-8.08	Pass

1.2. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	40620	10	QPSK	50	0	-6482.5	6482.5	-15.01	Pass
0 Degree	40620	10	16QAM	50	0	-6482.5	6482.5	-8.88	Pass

1.3. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	40620	10	QPSK	50	0	-6482.5	6482.5	-7.52	Pass
10 Degree	40620	10	16QAM	50	0	-6482.5	6482.5	-13.63	Pass

1.4. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	40620	10	QPSK	50	0	-6482.5	6482.5	-2.86	Pass
20 Degree	40620	10	16QAM	50	0	-6482.5	6482.5	-2.43	Pass

1.5. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	40620	10	QPSK	50	0	-6482.5	6482.5	-3.95	Pass
25 Degree	40620	10	16QAM	50	0	-6482.5	6482.5	-4.48	Pass

1.6. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	40620	10	QPSK	50	0	-6482.5	6482.5	-8.33	Pass
30 Degree	40620	10	16QAM	50	0	-6482.5	6482.5	-13.8	Pass

1.7. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	40620	10	QPSK	50	0	-6482.5	6482.5	-4.21	Pass
40 Degree	40620	10	16QAM	50	0	-6482.5	6482.5	-14.55	Pass

1.8. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	40620	10	QPSK	50	0	-6482.5	6482.5	-1.39	Pass
50 Degree	40620	10	16QAM	50	0	-6482.5	6482.5	-13.28	Pass

1.9. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	40620	10	QPSK	50	0	-6482.5	6482.5	-13.23	Pass
NTHV	40620	10	16QAM	50	0	-6482.5	6482.5	3.62	Pass

1.10. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	40620	10	QPSK	50	0	-6482.5	6482.5	-16.95	Pass
NTLV	40620	10	16QAM	50	0	-6482.5	6482.5	-16.08	Pass

2. LTE_Band2

2.1. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	18900	10	QPSK	50	0	-4700	4700	1.2	Pass
-10 Degree	18900	10	16QAM	50	0	-4700	4700	-2.33	Pass

2.2. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	18900	10	QPSK	50	0	-4700	4700	-8.64	Pass
0 Degree	18900	10	16QAM	50	0	-4700	4700	-0.24	Pass

2.3. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	18900	10	QPSK	50	0	-4700	4700	-8.83	Pass
10 Degree	18900	10	16QAM	50	0	-4700	4700	-3.26	Pass

2.4. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	18900	10	QPSK	50	0	-4700	4700	-9.74	Pass
20 Degree	18900	10	16QAM	50	0	-4700	4700	-2.56	Pass

2.5. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	18900	10	QPSK	50	0	-4700	4700	-7.07	Pass
25 Degree	18900	10	16QAM	50	0	-4700	4700	-0.46	Pass

2.6. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	18900	10	QPSK	50	0	-4700	4700	-7.25	Pass
30 Degree	18900	10	16QAM	50	0	-4700	4700	-1.37	Pass

2.7. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	18900	10	QPSK	50	0	-4700	4700	-2.78	Pass
40 Degree	18900	10	16QAM	50	0	-4700	4700	-8.31	Pass

2.8. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	18900	10	QPSK	50	0	-4700	4700	-13.72	Pass
50 Degree	18900	10	16QAM	50	0	-4700	4700	-9.63	Pass

2.9. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	18900	10	QPSK	50	0	-4700	4700	-7.97	Pass
NTHV	18900	10	16QAM	50	0	-4700	4700	-12.25	Pass

2.10. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	18900	10	QPSK	50	0	-4700	4700	-0.96	Pass
NTLV	18900	10	16QAM	50	0	-4700	4700	-8.03	Pass

3. LTE_Band4

3.1. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	20175	10	QPSK	50	0	-4331.25	4331.25	-2	Pass
-10 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-5.26	Pass

3.2. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	20175	10	QPSK	50	0	-4331.25	4331.25	-7.47	Pass
0 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-8.2	Pass

3.3. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	20175	10	QPSK	50	0	-4331.25	4331.25	-7.67	Pass
10 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-0.53	Pass

3.4. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	20175	10	QPSK	50	0	-4331.25	4331.25	-3.26	Pass
20 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-7.12	Pass

3.5. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	20175	10	QPSK	50	0	-4331.25	4331.25	-4.68	Pass
25 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-4.13	Pass

3.6. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	20175	10	QPSK	50	0	-4331.25	4331.25	2.33	Pass
30 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-5.65	Pass

3.7. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	20175	10	QPSK	50	0	-4331.25	4331.25	-8.34	Pass
40 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-9.48	Pass

3.8. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	20175	10	QPSK	50	0	-4331.25	4331.25	-5.29	Pass
50 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-0.64	Pass

3.9. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	20175	10	QPSK	50	0	-4331.25	4331.25	-4.25	Pass
NTHV	20175	10	16QAM	50	0	-4331.25	4331.25	-6.91	Pass

3.10. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	20175	10	QPSK	50	0	-4331.25	4331.25	-2.52	Pass
NTLV	20175	10	16QAM	50	0	-4331.25	4331.25	-2.8	Pass

4. LTE_Band5

4.1. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	20525	10	QPSK	50	0	-2091.25	2091.25	-5.58	Pass
-10 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-4.42	Pass

4.2. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	20525	10	QPSK	50	0	-2091.25	2091.25	-11.06	Pass
0 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-3.78	Pass

4.3. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	20525	10	QPSK	50	0	-2091.25	2091.25	-3.71	Pass
10 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-3.63	Pass

4.4. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	20525	10	QPSK	50	0	-2091.25	2091.25	-10.03	Pass
20 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-0.72	Pass

4.5. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	20525	10	QPSK	50	0	-2091.25	2091.25	-7.51	Pass
25 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-3.92	Pass

4.6. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	20525	10	QPSK	50	0	-2091.25	2091.25	-8.37	Pass
30 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-5.38	Pass

4.7. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	20525	10	QPSK	50	0	-2091.25	2091.25	-2.16	Pass
40 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-3.92	Pass

4.8. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	20525	10	QPSK	50	0	-2091.25	2091.25	-4.85	Pass
50 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-2.5	Pass

4.9. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	20525	10	QPSK	50	0	-2091.25	2091.25	-4.68	Pass
NTHV	20525	10	16QAM	50	0	-2091.25	2091.25	-8.65	Pass

4.10. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	20525	10	QPSK	50	0	-2091.25	2091.25	-11	Pass
NTLV	20525	10	16QAM	50	0	-2091.25	2091.25	-8.9	Pass

5. LTE_Band12

5.1. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	23095	10	QPSK	50	0	-1768.75	1768.75	-2.5	Pass
-10 Degree	23095	10	16QAM	50	0	-1768.75	1768.75	-10.06	Pass

5.2. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	23095	10	QPSK	50	0	-1768.75	1768.75	-7.88	Pass
0 Degree	23095	10	16QAM	50	0	-1768.75	1768.75	-5.42	Pass

5.3. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	23095	10	QPSK	50	0	-1768.75	1768.75	-6.05	Pass
10 Degree	23095	10	16QAM	50	0	-1768.75	1768.75	-8.21	Pass

5.4. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	23095	10	QPSK	50	0	-1768.75	1768.75	-0.94	Pass
20 Degree	23095	10	16QAM	50	0	-1768.75	1768.75	-4.02	Pass

5.5. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	23095	10	QPSK	50	0	-1768.75	1768.75	-4.09	Pass
25 Degree	23095	10	16QAM	50	0	-1768.75	1768.75	-6.51	Pass

5.6. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	23095	10	QPSK	50	0	-1768.75	1768.75	-3.55	Pass
30 Degree	23095	10	16QAM	50	0	-1768.75	1768.75	-9.63	Pass

5.7. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	23095	10	QPSK	50	0	-1768.75	1768.75	-7.35	Pass
40 Degree	23095	10	16QAM	50	0	-1768.75	1768.75	-11.6	Pass

5.8. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	23095	10	QPSK	50	0	-1768.75	1768.75	-5.97	Pass
50 Degree	23095	10	16QAM	50	0	-1768.75	1768.75	-3.03	Pass

5.9. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	23095	10	QPSK	50	0	-1768.75	1768.75	-3.33	Pass
NTHV	23095	10	16QAM	50	0	-1768.75	1768.75	-4.94	Pass

5.10. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	23095	10	QPSK	50	0	-1768.75	1768.75	-4.53	Pass
NTLV	23095	10	16QAM	50	0	-1768.75	1768.75	-7.77	Pass

6. LTE_Band13

6.1. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	23230	10	QPSK	50	0	-1955	1955	-7.32	Pass
-10 Degree	23230	10	16QAM	50	0	-1955	1955	-7.11	Pass

6.2. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	23230	10	QPSK	50	0	-1955	1955	-7.75	Pass
0 Degree	23230	10	16QAM	50	0	-1955	1955	-9.8	Pass

6.3. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	23230	10	QPSK	50	0	-1955	1955	-10.86	Pass
10 Degree	23230	10	16QAM	50	0	-1955	1955	-5.91	Pass

6.4. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	23230	10	QPSK	50	0	-1955	1955	-4.88	Pass
20 Degree	23230	10	16QAM	50	0	-1955	1955	-4.53	Pass

6.5. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	23230	10	QPSK	50	0	-1955	1955	-4.45	Pass
25 Degree	23230	10	16QAM	50	0	-1955	1955	-3.59	Pass

6.6. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	23230	10	QPSK	50	0	-1955	1955	-4.08	Pass
30 Degree	23230	10	16QAM	50	0	-1955	1955	-11.01	Pass

6.7. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	23230	10	QPSK	50	0	-1955	1955	-10.13	Pass
40 Degree	23230	10	16QAM	50	0	-1955	1955	-6.9	Pass

6.8. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	23230	10	QPSK	50	0	-1955	1955	-2.66	Pass
50 Degree	23230	10	16QAM	50	0	-1955	1955	-7.91	Pass

6.9. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	23230	10	QPSK	50	0	-1955	1955	-6.72	Pass
NTHV	23230	10	16QAM	50	0	-1955	1955	-5.65	Pass

6.10. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	23230	10	QPSK	50	0	-1955	1955	-5.65	Pass
NTLV	23230	10	16QAM	50	0	-1955	1955	-5.61	Pass

7. LTE_Band66

7.1. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	132322	10	QPSK	50	0	-4362.5	4362.5	-0.31	Pass
-10 Degree	132322	10	16QAM	50	0	-4362.5	4362.5	-7.37	Pass

7.2. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	132322	10	QPSK	50	0	-4362.5	4362.5	-5.61	Pass
0 Degree	132322	10	16QAM	50	0	-4362.5	4362.5	-12.15	Pass

7.3. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	132322	10	QPSK	50	0	-4362.5	4362.5	-7.17	Pass
10 Degree	132322	10	16QAM	50	0	-4362.5	4362.5	-5.09	Pass

7.4. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	132322	10	QPSK	50	0	-4362.5	4362.5	-3.86	Pass
20 Degree	132322	10	16QAM	50	0	-4362.5	4362.5	-6.32	Pass

7.5. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	132322	10	QPSK	50	0	-4362.5	4362.5	-9.16	Pass
25 Degree	132322	10	16QAM	50	0	-4362.5	4362.5	-8.51	Pass

7.6. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	132322	10	QPSK	50	0	-4362.5	4362.5	1.49	Pass
30 Degree	132322	10	16QAM	50	0	-4362.5	4362.5	-0.37	Pass

7.7. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	132322	10	QPSK	50	0	-4362.5	4362.5	0.5	Pass
40 Degree	132322	10	16QAM	50	0	-4362.5	4362.5	1.85	Pass

7.8. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	132322	10	QPSK	50	0	-4362.5	4362.5	-10.04	Pass
50 Degree	132322	10	16QAM	50	0	-4362.5	4362.5	-3.58	Pass

7.9. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	132322	10	QPSK	50	0	-4362.5	4362.5	-6.47	Pass
NTHV	132322	10	16QAM	50	0	-4362.5	4362.5	-3.73	Pass

7.10. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	132322	10	QPSK	50	0	-4362.5	4362.5	1.9	Pass
NTLV	132322	10	16QAM	50	0	-4362.5	4362.5	-9.54	Pass

8. LTE_Band71

8.1. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	133297	10	QPSK	50	0	-1701.25	1701.25	-8.84	Pass
-10 Degree	133297	10	16QAM	50	0	-1701.25	1701.25	-5.91	Pass

8.2. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	133297	10	QPSK	50	0	-1701.25	1701.25	-4.84	Pass
0 Degree	133297	10	16QAM	50	0	-1701.25	1701.25	-8.55	Pass

8.3. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	133297	10	QPSK	50	0	-1701.25	1701.25	-5.26	Pass
10 Degree	133297	10	16QAM	50	0	-1701.25	1701.25	-9.3	Pass

8.4. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	133297	10	QPSK	50	0	-1701.25	1701.25	-6.15	Pass
20 Degree	133297	10	16QAM	50	0	-1701.25	1701.25	-7.12	Pass

8.5. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	133297	10	QPSK	50	0	-1701.25	1701.25	-11.2	Pass
25 Degree	133297	10	16QAM	50	0	-1701.25	1701.25	-7.38	Pass

8.6. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	133297	10	QPSK	50	0	-1701.25	1701.25	-1.59	Pass
30 Degree	133297	10	16QAM	50	0	-1701.25	1701.25	-2.49	Pass

8.7. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	133297	10	QPSK	50	0	-1701.25	1701.25	-9.56	Pass
40 Degree	133297	10	16QAM	50	0	-1701.25	1701.25	-7.04	Pass

8.8. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	133297	10	QPSK	50	0	-1701.25	1701.25	-8.14	Pass
50 Degree	133297	10	16QAM	50	0	-1701.25	1701.25	-5.78	Pass

8.9. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	133297	10	QPSK	50	0	-1701.25	1701.25	-7.85	Pass
NTHV	133297	10	16QAM	50	0	-1701.25	1701.25	-8.65	Pass

8.10. LTE Frequency Stability_Part22-24-27

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	133297	10	QPSK	50	0	-1701.25	1701.25	-1.39	Pass
NTLV	133297	10	16QAM	50	0	-1701.25	1701.25	-5.68	Pass

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