

Frequency Stability

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)	
3.86	-30	0.93	±4631	2.7	±4700	4.96	±4769	Pass
	-20	1.9		4.56		2.4		
	-10	3.3		3.84		4.98		
	0	2.44		6.24		5.76		
	+10	1.59		1.22		4.05		
	+20	-0.27		3.73		3.55		
	+25	2.07		2.68		5.18		
	+30	3.45		3.72		6.27		
	+40	-0.99		4.56		5.69		
	+50	3.89		3.6		6.39		
3.6	+25	1.09		2.01		3.6		
4.4	+25	0.25		5.11		2.7		

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)	
3.86	-30	-0.39	±4281	-0.57	±4331	-1.04	±4381.5	Pass
	-20	3.58		-1.25		-1.89		
	-10	3.39		1.07		-0.98		
	0	4.33		-1.77		-3.49		
	+10	4.28		2.17		-3.38		
	+20	2.37		1.97		0.49		
	+25	2.93		-0.21		-1.37		
	+30	3.26		1.54		0.46		
	+40	1.16		0.08		-1.62		
	+50	3.78		3.04		-3.36		
3.6	+25	2.89		2.83		-0.01		
4.4	+25	1.73		-0.2		-1.68		

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)	
3.86	-30	-0.92	±2066	0.89	±2091	-0.69	±2116.5	Pass
	-20	-2.75		0.13		0.67		
	-10	-3.43		1.07		-0.01		
	0	-0.94		0.41		0.95		
	+10	0.44		0.74		-1.71		
	+20	-1.66		-0.51		-0.51		
	+25	-0.86		2.25		0.09		
	+30	-2.74		0.41		-0.94		
	+40	-1.58		-0.49		0.41		
	+50	-1.75		1.45		-0.82		
3.6	+25	-2.42		2.15		0.02		
4.4	+25	-1.74		2.27		-0.06		

LTE

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-3.52	±4700	Pass
	-20	-0.4		
	-10	-0.51		
	0	-0.04		
	+10	-2.12		
	+20	-2.56		
	+25	-0.7		
	+30	-0.87		
	+40	0.17		
	+50	-3.63		
3.6	+25	-1.19		
4.4	+25	0.51		

LTE Band 2 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-3.26	±4700	Pass
	-20	-0.37		
	-10	-0.62		
	0	-3.13		
	+10	-3.26		
	+20	-1.43		
	+25	-0.14		
	+30	-1.59		
	+40	-0.7		
	+50	-0.07		
3.6	+25	-0.36		
4.4	+25	2.75		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-2.2	±4331.25	Pass
	-20	0.33		
	-10	-0.64		
	0	1.06		
	+10	0.39		
	+20	-1.09		
	+25	-1.22		
	+30	0.49		
	+40	0.24		
	+50	1.07		
3.6	+25	-1.76		
4.4	+25	-1.9		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-0.84	±4331.25	Pass
	-20	0.76		
	-10	-1.07		
	0	-2.79		
	+10	-1.33		
	+20	-1.54		
	+25	-4.84		
	+30	-2.25		
	+40	0.74		
	+50	0.76		
3.6	+25	-2.76		
4.4	+25	-2.05		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-2.98	±2091.25	Pass
	-20	-3.6		
	-10	-4.11		
	0	-3.52		
	+10	-3.93		
	+20	-3.66		
	+25	-3.56		
	+30	-0.97		
	+40	-0.7		
	+50	-1.8		
3.6	+25	-3.85		
4.4	+25	-3.83		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-3.06	±2091.25	Pass
	-20	-2.99		
	-10	-1.26		
	0	-0.41		
	+10	-3.09		
	+20	-3.6		
	+25	-3.45		
	+30	-0.63		
	+40	-1.47		
	+50	-0.41		
3.6	+25	-3.82		
4.4	+25	-4.31		

LTE Band 7 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-1.49	±6337.5	Pass
	-20	1.83		
	-10	0.26		
	0	0.99		
	+10	-1.39		
	+20	-0.69		
	+25	-0.46		
	+30	-1.83		
	+40	-0.17		
	+50	1.3		
3.6	+25	-1.9	±6337.5	Pass
4.4	+25	0.34		

LTE Band 7 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-4.65	±6337.5	Pass
	-20	-3.02		
	-10	-2.06		
	0	-1.72		
	+10	0.09		
	+20	0.86		
	+25	0.73		
	+30	0.46		
	+40	-0.57		
	+50	-1.19		
3.6	+25	-1.66	±6337.5	Pass
4.4	+25	-2.17		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-3.32	±1768.75	Pass
	-20	0.19		
	-10	-2.93		
	0	-1		
	+10	-1.93		
	+20	-0.6		
	+25	-3.39		
	+30	-4.03		
	+40	-1		
	+50	-1.36		
3.6	+25	2.23		
4.4	+25	-1.32		

LTE Band 12 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-3.16	±1768.75	Pass
	-20	-0.8		
	-10	-3.48		
	0	-0.14		
	+10	-0.11		
	+20	-0.1		
	+25	0.34		
	+30	-0.9		
	+40	-1.53		
	+50	0.6		
3.6	+25	-1.42		
4.4	+25	-0.86		

LTE Band 14 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 793 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-1.83	±1982.5	Pass
	-20	-2.13		
	-10	-3.03		
	0	-2.78		
	+10	-3.46		
	+20	-2.6		
	+25	-2.68		
	+30	-1.5		
	+40	-3.55		
	+50	-2.33		
3.6	+25	-2.3		
4.4	+25	-0.1		

LTE Band 14 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 793 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-1.96	±1982.5	Pass
	-20	0.29		
	-10	-2.95		
	0	-3.09		
	+10	-2.85		
	+20	-2.29		
	+25	-4.45		
	+30	-0.93		
	+40	-3.53		
	+50	-3.79		
3.6	+25	-3.96		
4.4	+25	-2		

LTE Band 17 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	0.23	±1775	Pass
	-20	-2.02		
	-10	-1.62		
	0	-2.16		
	+10	-1.97		
	+20	-2.72		
	+25	-2.29		
	+30	-2.36		
	+40	-2.4		
	+50	-2.26		
3.6	+25	-2.69		
4.4	+25	-6.38		

LTE Band 17 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-4.88	±1775	Pass
	-20	-2.13		
	-10	-3.2		
	0	-2.49		
	+10	-3.05		
	+20	-2.6		
	+25	-2.62		
	+30	-0.74		
	+40	-2.42		
	+50	-2.36		
3.6	+25	-2.86		
4.4	+25	-2.73		

LTE Band 30 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2310 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-1.44	±5775	Pass
	-20	3.85		
	-10	1.4		
	0	2.72		
	+10	2.85		
	+20	3.99		
	+25	1.86		
	+30	-2.56		
	+40	-1.13		
	+50	2.79		
3.6	+25	3.85	±5775	Pass
4.4	+25	0.6		

LTE Band 30 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2310 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-1.13	±5775	Pass
	-20	-0.5		
	-10	1.34		
	0	-3		
	+10	1.4		
	+20	3.3		
	+25	1.57		
	+30	1.37		
	+40	2.53		
	+50	-2.96		
3.6	+25	-2.65	±5775	Pass
4.4	+25	1.07		

LTE Band 66 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	1.57	±4362.5	Pass
	-20	4.61		
	-10	4.84		
	0	2.13		
	+10	4.73		
	+20	1.19		
	+25	2.63		
	+30	0.59		
	+40	1.1		
	+50	1.53		
3.6	+25	2.15		
4.4	+25	3.48		

LTE Band 66 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-0.53	±4362.5	Pass
	-20	2.32		
	-10	2.62		
	0	1.46		
	+10	0.9		
	+20	1.02		
	+25	1.82		
	+30	2.45		
	+40	-0.24		
	+50	2.8		
3.6	+25	1.85		
4.4	+25	0.97		

NR

NR Band n2 QPSK 20 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-10.47	±4700	Pass
	-20	-11.53		
	-10	-3.96		
	0	-3.86		
	+10	-5.14		
	+20	-2.12		
	+25	-2.81		
	+30	-2.06		
	+40	-3.59		
	+50	-0.41		
3.6	+25	-5.38	±4700	Pass
4.4	+25	-10.39		

NR Band n5 QPSK 20 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-10.67	±2091.25	Pass
	-20	-10.29		
	-10	-7.43		
	0	-5.27		
	+10	-4.25		
	+20	-1.99		
	+25	-2.99		
	+30	-3.17		
	+40	-3.47		
	+50	-3.41		
3.6	+25	-1.07	±2091.25	Pass
4.4	+25	-3.09		

NR Band n30 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2310 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-10.37	±5775	Pass
	-20	-7.5		
	-10	-0.55		
	0	2.59		
	+10	0.26		
	+20	1.99		
	+25	3.94		
	+30	4.25		
	+40	2.96		
	+50	1.66		
3.6	+25	2.35	±5775	Pass
4.4	+25	1.85		

NR Band n66 QPSK 40 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-7.11	±4362.5	Pass
	-20	-9.04		
	-10	-7.12		
	0	-9.12		
	+10	-4.72		
	+20	-9.59		
	+25	-10.62		
	+30	-8.46		
	+40	-9.3		
	+50	-7.79		
3.6	+25	-6.51	±4362.5	Pass
4.4	+25	-9.44		

NR Band n77 (3450-3550) QPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3499.98 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-13.52	±8749.95	Pass
	-20	-14.72		
	-10	-15.26		
	0	-15.89		
	+10	-10.37		
	+20	-4.95		
	+25	-11.55		
	+30	-14.45		
	+40	-9.74		
	+50	-11.92		
3.6	+25	-18.67		
4.4	+25	-20.08		

NR Band n77 (3700-3980 MHz) QPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3840 MHz		
		Value(Hz)	Limits (Hz)	
3.86	-30	-7.2	±9600	Pass
	-20	-12.07		
	-10	-10.48		
	0	-7.04		
	+10	-12.57		
	+20	-10.78		
	+25	-13.16		
	+30	-5.44		
	+40	-10.83		
	+50	-7.28		
3.6	+25	-13.33		
4.4	+25	-12.97		

1. WCDMA_Band2

1.1 WCDMA Frequency Stability_Part22-24-27(-30 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	0.93	Pass
9400	-4700	4700	2.7	Pass
9538	-4769	4769	4.96	Pass

1.2 WCDMA Frequency Stability_Part22-24-27(-20 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	1.9	Pass
9400	-4700	4700	4.56	Pass
9538	-4769	4769	2.4	Pass

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

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	3.3	Pass
9400	-4700	4700	3.84	Pass
9538	-4769	4769	4.98	Pass

1.4 WCDMA Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	2.44	Pass
9400	-4700	4700	6.24	Pass
9538	-4769	4769	5.76	Pass

1.5 WCDMA Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	1.59	Pass
9400	-4700	4700	1.22	Pass
9538	-4769	4769	4.05	Pass

1.6 WCDMA Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	-0.27	Pass
9400	-4700	4700	3.73	Pass
9538	-4769	4769	3.55	Pass

1.7 WCDMA Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	2.07	Pass
9400	-4700	4700	2.68	Pass
9538	-4769	4769	5.18	Pass

1.8 WCDMA Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	3.45	Pass
9400	-4700	4700	3.72	Pass
9538	-4769	4769	6.27	Pass

1.9 WCDMA Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	-0.99	Pass
9400	-4700	4700	4.56	Pass
9538	-4769	4769	5.69	Pass

1.10 WCDMA Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	3.89	Pass
9400	-4700	4700	3.6	Pass
9538	-4769	4769	6.39	Pass

1.12 WCDMA Frequency Stability_Part22-24-27(NTLV)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	1.09	Pass
9400	-4700	4700	2.01	Pass
9538	-4769	4769	3.6	Pass

1.13 WCDMA Frequency Stability_Part22-24-27(NTHV)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
9262	-4631	4631	0.25	Pass
9400	-4700	4700	5.11	Pass
9538	-4769	4769	2.7	Pass

2. WCDMA_Band4

2.1 WCDMA Frequency Stability_Part22-24-27(-30 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	-0.39	Pass
1412	-4331	4331	-0.57	Pass
1513	-4381.5	4381.5	-1.04	Pass

2.2 WCDMA Frequency Stability_Part22-24-27(-20 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	3.58	Pass
1412	-4331	4331	-1.25	Pass
1513	-4381.5	4381.5	-1.89	Pass

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

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	3.39	Pass
1412	-4331	4331	1.07	Pass
1513	-4381.5	4381.5	-0.98	Pass

2.4 WCDMA Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	4.33	Pass
1412	-4331	4331	-1.77	Pass
1513	-4381.5	4381.5	-3.49	Pass

2.5 WCDMA Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	4.28	Pass
1412	-4331	4331	2.17	Pass
1513	-4381.5	4381.5	-3.38	Pass

2.6 WCDMA Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	2.37	Pass
1412	-4331	4331	1.97	Pass
1513	-4381.5	4381.5	0.49	Pass

2.7 WCDMA Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	2.93	Pass
1412	-4331	4331	-0.21	Pass
1513	-4381.5	4381.5	-1.37	Pass

2.8 WCDMA Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	3.26	Pass
1412	-4331	4331	1.54	Pass
1513	-4381.5	4381.5	0.46	Pass

2.9 WCDMA Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	1.16	Pass
1412	-4331	4331	0.08	Pass
1513	-4381.5	4381.5	-1.62	Pass

2.10 WCDMA Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	3.78	Pass
1412	-4331	4331	3.04	Pass
1513	-4381.5	4381.5	-3.36	Pass

2.12 WCDMA Frequency Stability_Part22-24-27(NTLV)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	2.89	Pass
1412	-4331	4331	2.83	Pass
1513	-4381.5	4381.5	-0.01	Pass

2.13 WCDMA Frequency Stability_Part22-24-27(NTHV)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
1312	-4281	4281	1.73	Pass
1412	-4331	4331	-0.2	Pass
1513	-4381.5	4381.5	-1.68	Pass

3. WCDMA_Band5

3.1 WCDMA Frequency Stability_Part22-24-27(-30 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-0.92	Pass
4182	-2091	2091	0.89	Pass
4233	-2116.5	2116.5	-0.69	Pass

3.2 WCDMA Frequency Stability_Part22-24-27(-20 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-2.75	Pass
4182	-2091	2091	0.13	Pass
4233	-2116.5	2116.5	0.67	Pass

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

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-3.43	Pass
4182	-2091	2091	1.07	Pass
4233	-2116.5	2116.5	-0.01	Pass

3.4 WCDMA Frequency Stability_Part22-24-27(0 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-0.94	Pass
4182	-2091	2091	0.41	Pass
4233	-2116.5	2116.5	0.95	Pass

3.5 WCDMA Frequency Stability_Part22-24-27(10 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	0.44	Pass
4182	-2091	2091	0.74	Pass
4233	-2116.5	2116.5	-1.71	Pass

3.6 WCDMA Frequency Stability_Part22-24-27(20 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-1.66	Pass
4182	-2091	2091	-0.51	Pass
4233	-2116.5	2116.5	-0.51	Pass

3.7 WCDMA Frequency Stability_Part22-24-27(25 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-0.86	Pass
4182	-2091	2091	2.25	Pass
4233	-2116.5	2116.5	0.09	Pass

3.8 WCDMA Frequency Stability_Part22-24-27(30 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-2.74	Pass
4182	-2091	2091	0.41	Pass
4233	-2116.5	2116.5	-0.94	Pass

3.9 WCDMA Frequency Stability_Part22-24-27(40 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-1.58	Pass
4182	-2091	2091	-0.49	Pass
4233	-2116.5	2116.5	0.41	Pass

3.10 WCDMA Frequency Stability_Part22-24-27(50 Degree)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-1.75	Pass
4182	-2091	2091	1.45	Pass
4233	-2116.5	2116.5	-0.82	Pass

3.12 WCDMA Frequency Stability_Part22-24-27(NTLV)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-2.42	Pass
4182	-2091	2091	2.15	Pass
4233	-2116.5	2116.5	0.02	Pass

3.13 WCDMA Frequency Stability_Part22-24-27(NTHV)

UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
4132	-2066	2066	-1.74	Pass
4182	-2091	2091	2.27	Pass
4233	-2116.5	2116.5	-0.06	Pass

1. LTE_Band2

1.1. 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	0	-4700	4700	-3.52	Pass
18900	10	16QAM	50	0	-4700	4700	-3.26	Pass

1.2. 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	0	-4700	4700	-0.4	Pass
18900	10	16QAM	50	0	-4700	4700	-0.37	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	0	-4700	4700	-0.51	Pass
18900	10	16QAM	50	0	-4700	4700	-0.62	Pass

1.4. 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	0	-4700	4700	-0.04	Pass
18900	10	16QAM	50	0	-4700	4700	-3.13	Pass

1.5. 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	0	-4700	4700	-2.12	Pass
18900	10	16QAM	50	0	-4700	4700	-3.26	Pass

1.6. 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	0	-4700	4700	-2.56	Pass
18900	10	16QAM	50	0	-4700	4700	-1.43	Pass

1.7. 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	0	-4700	4700	-0.7	Pass
18900	10	16QAM	50	0	-4700	4700	-0.14	Pass

1.8. 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	0	-4700	4700	-0.87	Pass
18900	10	16QAM	50	0	-4700	4700	-1.59	Pass

1.9. 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	0	-4700	4700	0.17	Pass
18900	10	16QAM	50	0	-4700	4700	-0.7	Pass

1.10. 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	0	-4700	4700	-3.63	Pass
18900	10	16QAM	50	0	-4700	4700	-0.07	Pass

1.12. 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	0	-4700	4700	-1.19	Pass
18900	10	16QAM	50	0	-4700	4700	-0.36	Pass

1.13. 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	0	-4700	4700	0.51	Pass
18900	10	16QAM	50	0	-4700	4700	2.75	Pass

2. LTE_Band4

2.1. 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	0	-4331.25	4331.25	-2.2	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-0.84	Pass

2.2. 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	0	-4331.25	4331.25	0.33	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	0.76	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	0	-4331.25	4331.25	-0.64	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-1.07	Pass

2.4. 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	0	-4331.25	4331.25	1.06	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-2.79	Pass

2.5. 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	0	-4331.25	4331.25	0.39	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-1.33	Pass

2.6. 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	0	-4331.25	4331.25	-1.09	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-1.54	Pass

2.7. 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	0	-4331.25	4331.25	-1.22	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-4.84	Pass

2.8. 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	0	-4331.25	4331.25	0.49	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-2.25	Pass

2.9. 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	0	-4331.25	4331.25	0.24	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	0.74	Pass

2.10. 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	0	-4331.25	4331.25	1.07	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	0.76	Pass

2.12. 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	0	-4331.25	4331.25	-1.76	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-2.76	Pass

2.13. 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	0	-4331.25	4331.25	-1.9	Pass
20175	10	16QAM	50	0	-4331.25	4331.25	-2.05	Pass

3. LTE_Band5

3.1. 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	0	-2091.25	2091.25	-2.98	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-3.06	Pass

3.2. 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	0	-2091.25	2091.25	-3.6	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-2.99	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	0	-2091.25	2091.25	-4.11	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-1.26	Pass

3.4. 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	0	-2091.25	2091.25	-3.52	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-0.41	Pass

3.5. 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	0	-2091.25	2091.25	-3.93	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-3.09	Pass

3.6. 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	0	-2091.25	2091.25	-3.66	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-3.6	Pass

3.7. 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	0	-2091.25	2091.25	-3.56	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-3.45	Pass

3.8. 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	0	-2091.25	2091.25	-0.97	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-0.63	Pass

3.9. 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	0	-2091.25	2091.25	-0.7	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-1.47	Pass

3.10. 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	0	-2091.25	2091.25	-1.8	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-0.41	Pass

3.12. 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	0	-2091.25	2091.25	-3.85	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-3.82	Pass

3.13. 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	0	-2091.25	2091.25	-3.83	Pass
20525	10	16QAM	50	0	-2091.25	2091.25	-4.31	Pass

4. LTE_Band7

4.1. 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	0	-6337.5	6337.5	-1.49	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	-4.65	Pass

4.2. 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	0	-6337.5	6337.5	1.83	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	-3.02	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	0	-6337.5	6337.5	0.26	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	-2.06	Pass

4.4. 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	0	-6337.5	6337.5	0.99	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	-1.72	Pass

4.5. 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	0	-6337.5	6337.5	-1.39	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	0.09	Pass

4.6. 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	0	-6337.5	6337.5	-0.69	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	0.86	Pass

4.7. 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	0	-6337.5	6337.5	-0.46	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	0.73	Pass

4.8. 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	0	-6337.5	6337.5	-1.83	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	0.46	Pass

4.9. 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	0	-6337.5	6337.5	-0.17	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	-0.57	Pass

4.10. 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	0	-6337.5	6337.5	1.3	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	-1.19	Pass

4.12. 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	0	-6337.5	6337.5	-1.9	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	-1.66	Pass

4.13. 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	0	-6337.5	6337.5	0.34	Pass
21100	10	16QAM	50	0	-6337.5	6337.5	-2.17	Pass

5. LTE_Band12

5.1. 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	0	-1768.75	1768.75	-3.32	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-3.16	Pass

5.2. 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	0	-1768.75	1768.75	0.19	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-0.8	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	0	-1768.75	1768.75	-2.93	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-3.48	Pass

5.4. 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	0	-1768.75	1768.75	-1	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-0.14	Pass

5.5. 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	0	-1768.75	1768.75	-1.93	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-0.11	Pass

5.6. 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	0	-1768.75	1768.75	-0.6	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-0.1	Pass

5.7. 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	0	-1768.75	1768.75	-3.39	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	0.34	Pass

5.8. 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	0	-1768.75	1768.75	-4.03	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-0.9	Pass

5.9. 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	0	-1768.75	1768.75	-1	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-1.53	Pass

5.10. 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	0	-1768.75	1768.75	-1.36	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	0.6	Pass

5.12. 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	0	-1768.75	1768.75	2.23	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-1.42	Pass

5.13. 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	0	-1768.75	1768.75	-1.32	Pass
23095	10	16QAM	50	0	-1768.75	1768.75	-0.86	Pass

6. LTE_Band17

6.1. 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	0	-1775	1775	0.23	Pass
23790	10	16QAM	50	0	-1775	1775	-4.88	Pass

6.2. 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	0	-1775	1775	-2.02	Pass
23790	10	16QAM	50	0	-1775	1775	-2.13	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
23790	10	QPSK	50	0	-1775	1775	-1.62	Pass
23790	10	16QAM	50	0	-1775	1775	-3.2	Pass

6.4. 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	0	-1775	1775	-2.16	Pass
23790	10	16QAM	50	0	-1775	1775	-2.49	Pass

6.5. 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	0	-1775	1775	-1.97	Pass
23790	10	16QAM	50	0	-1775	1775	-3.05	Pass

6.6. 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	0	-1775	1775	-2.72	Pass
23790	10	16QAM	50	0	-1775	1775	-2.6	Pass

6.7. 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	0	-1775	1775	-2.29	Pass
23790	10	16QAM	50	0	-1775	1775	-2.62	Pass

6.8. 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	0	-1775	1775	-2.36	Pass
23790	10	16QAM	50	0	-1775	1775	-0.74	Pass

6.9. 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	0	-1775	1775	-2.4	Pass
23790	10	16QAM	50	0	-1775	1775	-2.42	Pass

6.10. 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	0	-1775	1775	-2.26	Pass
23790	10	16QAM	50	0	-1775	1775	-2.36	Pass

6.12. 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	0	-1775	1775	-2.69	Pass
23790	10	16QAM	50	0	-1775	1775	-2.86	Pass

6.13. 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	0	-1775	1775	-6.38	Pass
23790	10	16QAM	50	0	-1775	1775	-2.73	Pass

7. LTE_Band30

7.1. 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
27710	10	QPSK	50	0	-5775	5775	-1.44	Pass
27710	10	16QAM	50	0	-5775	5775	-1.13	Pass

7.2. 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
27710	10	QPSK	50	0	-5775	5775	3.85	Pass
27710	10	16QAM	50	0	-5775	5775	-0.5	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
27710	10	QPSK	50	0	-5775	5775	1.4	Pass
27710	10	16QAM	50	0	-5775	5775	1.34	Pass

7.4. 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
27710	10	QPSK	50	0	-5775	5775	2.72	Pass
27710	10	16QAM	50	0	-5775	5775	-3	Pass

7.5. 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
27710	10	QPSK	50	0	-5775	5775	2.85	Pass
27710	10	16QAM	50	0	-5775	5775	1.4	Pass

7.6. 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
27710	10	QPSK	50	0	-5775	5775	3.99	Pass
27710	10	16QAM	50	0	-5775	5775	3.3	Pass

7.7. 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
27710	10	QPSK	50	0	-5775	5775	1.86	Pass
27710	10	16QAM	50	0	-5775	5775	1.57	Pass

7.8. 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
27710	10	QPSK	50	0	-5775	5775	-2.56	Pass
27710	10	16QAM	50	0	-5775	5775	1.37	Pass

7.9. 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
27710	10	QPSK	50	0	-5775	5775	-1.13	Pass
27710	10	16QAM	50	0	-5775	5775	2.53	Pass

7.10. 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
27710	10	QPSK	50	0	-5775	5775	2.79	Pass
27710	10	16QAM	50	0	-5775	5775	-2.96	Pass

7.12. 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
27710	10	QPSK	50	0	-5775	5775	3.85	Pass
27710	10	16QAM	50	0	-5775	5775	-2.65	Pass

7.13. 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
27710	10	QPSK	50	0	-5775	5775	0.6	Pass
27710	10	16QAM	50	0	-5775	5775	1.07	Pass

8. LTE_Band66

8.1. 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	0	-4362.5	4362.5	1.57	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	-0.53	Pass

8.2. 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	0	-4362.5	4362.5	4.61	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	2.32	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	0	-4362.5	4362.5	4.84	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	2.62	Pass

8.4. 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	0	-4362.5	4362.5	2.13	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	1.46	Pass

8.5. 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	0	-4362.5	4362.5	4.73	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	0.9	Pass

8.6. 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	0	-4362.5	4362.5	1.19	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	1.02	Pass

8.7. 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	0	-4362.5	4362.5	2.63	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	1.82	Pass

8.8. 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	0	-4362.5	4362.5	0.59	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	2.45	Pass

8.9. 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	0	-4362.5	4362.5	1.1	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	-0.24	Pass

8.10. 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	0	-4362.5	4362.5	1.53	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	2.8	Pass

8.12. 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	0	-4362.5	4362.5	2.15	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	1.85	Pass

8.13. 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	0	-4362.5	4362.5	3.48	Pass
132322	10	16QAM	50	0	-4362.5	4362.5	0.97	Pass

1. LTE_Band14

1.1. LTE Frequency Stability_Part90(-30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-1.83	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-1.96	Pass

1.2. LTE Frequency Stability_Part90(-20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-2.13	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	0.29	Pass

1.3. LTE Frequency Stability_Part90(-10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-3.03	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-2.95	Pass

1.4. LTE Frequency Stability_Part90(0 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-2.78	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-3.09	Pass

1.5. LTE Frequency Stability_Part90(10 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-3.46	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-2.85	Pass

1.6. LTE Frequency Stability_Part90(20 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-2.6	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-2.29	Pass

1.7. LTE Frequency Stability_Part90(25 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-2.68	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-4.45	Pass

1.8. LTE Frequency Stability_Part90(30 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-1.5	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-0.93	Pass

1.9. LTE Frequency Stability_Part90(40 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-3.55	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-3.53	Pass

1.10. LTE Frequency Stability_Part90(50 Degree)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-2.33	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-3.79	Pass

1.12. LTE Frequency Stability_Part90(NTLV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-2.3	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-3.96	Pass

1.13. LTE Frequency Stability_Part90(NTHV)

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
23330	10	QPSK	50	0	-1982.5	1982.5	-0.1	Pass
23330	10	16QAM	50	0	-1982.5	1982.5	-2	Pass

1. n77 (3700-3980)

1.1 Frequency Error for SA_Part22-24-27(-30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-30 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-7.2	-9600	9600	Pass

1.2 Frequency Error for SA_Part22-24-27(-20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-20 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-12.07	-9600	9600	Pass

1.3 Frequency Error for SA_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-10.48	-9600	9600	Pass

1.4 Frequency Error for SA_Part22-24-27(0 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-7.04	-9600	9600	Pass

1.5 Frequency Error for SA_Part22-24-27(10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-12.57	-9600	9600	Pass

1.6 Frequency Error for SA_Part22-24-27(20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-10.78	-9600	9600	Pass

1.7 Frequency Error for SA_Part22-24-27(25 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-13.16	-9600	9600	Pass

1.8 Frequency Error for SA_Part22-24-27(30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-5.44	-9600	9600	Pass

1.9 Frequency Error for SA_Part22-24-27(40 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-10.83	-9600	9600	Pass

1.10 Frequency Error for SA_Part22-24-27(50 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-7.28	-9600	9600	Pass

1.11 Frequency Error for SA_Part22-24-27(55 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
55 Degree	656000	100	30	DFT-s-OFDM	270	0	QPSK	-13.23	-9600	9600	Pass

1.12 Frequency Error for SA_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	656000	100	30	DFT-s-OFDM	270	0	QPSK	-13.33	-9600	9600	Pass

1.13 Frequency Error for SA_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTLV	656000	100	30	DFT-s-OFDM	270	0	QPSK	-12.97	-9600	9600	Pass

2. n77 (3450-3550)

2.1 Frequency Error for SA_Part22-24-27(-30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-30 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-13.52	-8749.95	8749.95	Pass

2.2 Frequency Error for SA_Part22-24-27(-20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-20 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-14.72	-8749.95	8749.95	Pass

2.3 Frequency Error for SA_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-15.26	-8749.95	8749.95	Pass

2.4 Frequency Error for SA_Part22-24-27(0 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-15.89	-8749.95	8749.95	Pass

2.5 Frequency Error for SA_Part22-24-27(10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-10.37	-8749.95	8749.95	Pass

2.6 Frequency Error for SA_Part22-24-27(20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-4.95	-8749.95	8749.95	Pass

2.7 Frequency Error for SA_Part22-24-27(25 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-11.55	-8749.95	8749.95	Pass

2.8 Frequency Error for SA_Part22-24-27(30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-14.45	-8749.95	8749.95	Pass

2.9 Frequency Error for SA_Part22-24-27(40 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-9.74	-8749.95	8749.95	Pass

2.10 Frequency Error for SA_Part22-24-27(50 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	633332	100	30	DFT-s-OFDM	270	0	QPSK	-11.92	-8749.95	8749.95	Pass

2.12 Frequency Error for SA_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	633332	100	30	DFT-s-OFDM	270	0	QPSK	-18.67	-8749.95	8749.95	Pass

2.13 Frequency Error for SA_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTLV	633332	100	30	DFT-s-OFDM	270	0	QPSK	-20.08	-8749.95	8749.95	Pass

3. n2

3.1 Frequency Error for SA_Part22-24-27(-30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-30 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-10.47	-4700	4700	Pass

3.2 Frequency Error for SA_Part22-24-27(-20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-20 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-11.53	-4700	4700	Pass

3.3 Frequency Error for SA_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-3.96	-4700	4700	Pass

3.4 Frequency Error for SA_Part22-24-27(0 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-3.86	-4700	4700	Pass

3.5 Frequency Error for SA_Part22-24-27(10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-5.14	-4700	4700	Pass

3.6 Frequency Error for SA_Part22-24-27(20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-2.12	-4700	4700	Pass

3.7 Frequency Error for SA_Part22-24-27(25 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-2.81	-4700	4700	Pass

3.8 Frequency Error for SA_Part22-24-27(30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-2.06	-4700	4700	Pass

3.9 Frequency Error for SA_Part22-24-27(40 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-3.59	-4700	4700	Pass

3.10 Frequency Error for SA_Part22-24-27(50 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	376000	20	15	DFT-s-OFDM	100	0	QPSK	-0.41	-4700	4700	Pass

3.12 Frequency Error for SA_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTLV	376000	20	15	DFT-s-OFDM	100	0	QPSK	-5.38	-4700	4700	Pass

3.13 Frequency Error for SA_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	376000	20	15	DFT-s-OFDM	100	0	QPSK	-10.39	-4700	4700	Pass

4. n5

4.1 Frequency Error for SA_Part22-24-27(-30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-30 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-10.67	-2091.25	2091.25	Pass

4.2 Frequency Error for SA_Part22-24-27(-20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-20 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-10.29	-2091.25	2091.25	Pass

4.3 Frequency Error for SA_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-7.43	-2091.25	2091.25	Pass

4.4 Frequency Error for SA_Part22-24-27(0 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-5.27	-2091.25	2091.25	Pass

4.5 Frequency Error for SA_Part22-24-27(10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-4.25	-2091.25	2091.25	Pass

4.6 Frequency Error for SA_Part22-24-27(20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-1.99	-2091.25	2091.25	Pass

4.7 Frequency Error for SA_Part22-24-27(25 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-2.99	-2091.25	2091.25	Pass

4.8 Frequency Error for SA_Part22-24-27(30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-3.17	-2091.25	2091.25	Pass

4.9 Frequency Error for SA_Part22-24-27(40 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-3.47	-2091.25	2091.25	Pass

4.10 Frequency Error for SA_Part22-24-27(50 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	167300	20	15	DFT-s-OFDM	100	0	QPSK	-3.41	-2091.25	2091.25	Pass

4.12 Frequency Error for SA_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTLV	167300	20	15	DFT-s-OFDM	100	0	QPSK	-1.07	-2091.25	2091.25	Pass

4.13 Frequency Error for SA_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	SC S (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	167300	20	15	DFT-s-OFDM	100	0	QPSK	-3.09	-2091.25	2091.25	Pass

5. n30

5.1 Frequency Error for SA_Part22-24-27(-30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-30 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	-10.37	-5775	5775	Pass

5.2 Frequency Error for SA_Part22-24-27(-20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-20 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	-7.5	-5775	5775	Pass

5.3 Frequency Error for SA_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	-0.55	-5775	5775	Pass

5.4 Frequency Error for SA_Part22-24-27(0 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	2.59	-5775	5775	Pass

5.5 Frequency Error for SA_Part22-24-27(10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	0.26	-5775	5775	Pass

5.6 Frequency Error for SA_Part22-24-27(20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	1.99	-5775	5775	Pass

5.7 Frequency Error for SA_Part22-24-27(25 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	3.94	-5775	5775	Pass

5.8 Frequency Error for SA_Part22-24-27(30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	4.25	-5775	5775	Pass

5.9 Frequency Error for SA_Part22-24-27(40 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	2.96	-5775	5775	Pass

5.10 Frequency Error for SA_Part22-24-27(50 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	462000	10	15	DFT-s-OFDM	50	0	QPSK	1.66	-5775	5775	Pass

5.12 Frequency Error for SA_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTLV	462000	10	15	DFT-s-OFDM	50	0	QPSK	2.35	-5775	5775	Pass

5.13 Frequency Error for SA_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	462000	10	15	DFT-s-OFDM	50	0	QPSK	1.85	-5775	5775	Pass

6. n66

6.1 Frequency Error for SA_Part22-24-27(-30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-30 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-7.11	-4362.5	4362.5	Pass

6.2 Frequency Error for SA_Part22-24-27(-20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-20 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-9.04	-4362.5	4362.5	Pass

6.3 Frequency Error for SA_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-7.12	-4362.5	4362.5	Pass

6.4 Frequency Error for SA_Part22-24-27(0 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-9.12	-4362.5	4362.5	Pass

6.5 Frequency Error for SA_Part22-24-27(10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-4.72	-4362.5	4362.5	Pass

6.6 Frequency Error for SA_Part22-24-27(20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-9.59	-4362.5	4362.5	Pass

6.7 Frequency Error for SA_Part22-24-27(25 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-10.62	-4362.5	4362.5	Pass

6.8 Frequency Error for SA_Part22-24-27(30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-8.46	-4362.5	4362.5	Pass

6.9 Frequency Error for SA_Part22-24-27(40 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-9.3	-4362.5	4362.5	Pass

6.10 Frequency Error for SA_Part22-24-27(50 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	349000	40	15	DFT-s-OFDM	216	0	QPSK	-7.79	-4362.5	4362.5	Pass

6.12 Frequency Error for SA_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTLV	349000	40	15	DFT-s-OFDM	216	0	QPSK	-6.51	-4362.5	4362.5	Pass

6.13 Frequency Error for SA_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	SCS (kHz)	UL OFDM	UL RB Number	UL RB Position	Modulation	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	349000	40	15	DFT-s-OFDM	216	0	QPSK	-9.44	-4362.5	4362.5	Pass