

Frequency Stability

LTE

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	0.4	±4700	Pass
	-20	0.46		
	-10	3.05		
	0	4.26		
	+10	-1.43		
	+20	4.06		
	+25	3.46		
	+30	6.28		
	+40	3.6		
	+50	5.52		
4.5	+25	4.56	±4700	Pass
3.2	+25	5.97		

LTE Band 2 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	6.14	±4700	Pass
	-20	0.11		
	-10	-1.27		
	0	1.62		
	+10	4.16		
	+20	-1.9		
	+25	1.9		
	+30	1.79		
	+40	3.12		
	+50	3.91		
4.5	+25	-0.54	±4700	Pass
3.2	+25	-0.93		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	2.85	±4331.25	Pass
	-20	-3.96		
	-10	2.85		
	0	-0.24		
	+10	2.43		
	+20	0.51		
	+25	4.51		
	+30	-3.71		
	+40	-1.2		
	+50	1.63		
4.5	+25	5.97	±4331.25	Pass
3.2	+25	1.12		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	-3.19	±4331.25	Pass
	-20	-2.8		
	-10	-1.43		
	0	4.91		
	+10	-3.81		
	+20	-0.97		
	+25	0.69		
	+30	-1.62		
	+40	-3.75		
	+50	2.88		
4.5	+25	2.56	±4331.25	Pass
3.2	+25	2.35		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	-0.49	±2091.25	Pass
	-20	-2.16		
	-10	-0.14		
	0	-1.57		
	+10	-0.36		
	+20	-1.32		
	+25	0.86		
	+30	0.53		
	+40	-1.83		
	+50	-1.6		
4.5	+25	-0.57		
3.2	+25	-0.64		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	-1.85	±2091.25	Pass
	-20	-1.14		
	-10	-0.92		
	0	-1.23		
	+10	-0.53		
	+20	-0.93		
	+25	-0.63		
	+30	-2.05		
	+40	-2.06		
	+50	-0.01		
4.5	+25	-0.64		
3.2	+25	-1.69		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	0.13	±1768.75	Pass
	-20	-0.09		
	-10	0.89		
	0	0.94		
	+10	-0.73		
	+20	0.09		
	+25	1.09		
	+30	0.4		
	+40	0.09		
	+50	0.03		
4.5	+25	-0.13		
3.2	+25	-0.14		

LTE Band 12 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	0.03	±1768.75	Pass
	-20	0.46		
	-10	-1.2		
	0	0.24		
	+10	0.46		
	+20	3.48		
	+25	-0.73		
	+30	0.36		
	+40	-2.05		
	+50	2.56		
4.5	+25	0.47		
3.2	+25	1.09		

LTE Band 13 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	-0.84	±1955	Pass
	-20	2.36		
	-10	0.86		
	0	2.2		
	+10	3.2		
	+20	1.8		
	+25	2.56		
	+30	2.62		
	+40	1.04		
	+50	1.09		
4.5	+25	1.23		
3.2	+25	2.17		

LTE Band 13 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	1.23	±1955	Pass
	-20	2.78		
	-10	2.35		
	0	1.77		
	+10	4.35		
	+20	2.27		
	+25	2.06		
	+30	2.05		
	+40	1.93		
	+50	2.7		
4.5	+25	1.47		
3.2	+25	0.9		

LTE Band 14 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 795.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	1.09	±1982.5	Pass
	-20	1.86		
	-10	0.29		
	0	-0.41		
	+10	0.13		
	+20	2.42		
	+25	1.52		
	+30	0.72		
	+40	0.43		
	+50	1.8		
4.2	+25	2.72		
3.4	+25	1.44		

LTE Band 14 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 795.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	0.9	±1982.5	Pass
	-20	-0.36		
	-10	-1.37		
	0	2.23		
	+10	1.85		
	+20	2.05		
	+25	0.36		
	+30	-0.73		
	+40	3.79		
	+50	0.34		
4.2	+25	0.33		
3.4	+25	0.09		

LTE Band 25 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	9.41	±4706.25	Pass
	-20	5.71		
	-10	2.32		
	0	-1.17		
	+10	0.09		
	+20	4.38		
	+25	8.54		
	+30	4.72		
	+40	-3.03		
	+50	3.33		
4.2	+25	4.78		
3.4	+25	0.04		

LTE Band 25 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	-1.37	±4706.25	Pass
	-20	2.92		
	-10	1.86		
	0	2.6		
	+10	-1.26		
	+20	-0.01		
	+25	-1.56		
	+30	1.85		
	+40	6.19		
	+50	2.65		
4.2	+25	3.5		
3.4	+25	2.4		

LTE Band 66 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	0.34	±4362.5	Pass
	-20	-1.44		
	-10	-6.59		
	0	-5.97		
	+10	-7.51		
	+20	-3.75		
	+25	-3.52		
	+30	-3.96		
	+40	-6.22		
	+50	-6.27		
4.5	+25	-1.37		
3.2	+25	-1.33		

LTE Band 66 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1745 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	-5.18	±4362.5	Pass
	-20	-5.91		
	-10	-3.39		
	0	-7.57		
	+10	-10.23		
	+20	-8.17		
	+25	-5.89		
	+30	-4.82		
	+40	-6.62		
	+50	-4.51		
4.5	+25	1.8		
3.2	+25	1.76		

LTE Band 71 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 680.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	0.06	±1701.25	Pass
	-20	1.07		
	-10	1.72		
	0	0.46		
	+10	0.99		
	+20	0.06		
	+25	1.34		
	+30	1.92		
	+40	1.4		
	+50	-1.17		
4.5	+25	-0.37		
3.2	+25	0.24		

LTE Band 71 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 680.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-30	2.78	±1701.25	Pass
	-20	0.23		
	-10	1.54		
	0	1.29		
	+10	0.57		
	+20	0.03		
	+25	0.47		
	+30	1.43		
	+40	2.35		
	+50	1.79		
4.5	+25	1.02		
3.2	+25	0.62		

1. LTE_Band2

1.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	0.4	Pass
-30 Degree	18900	10	16QAM	27	0	-4700	4700	6.14	Pass

1.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	0.46	Pass
-20 Degree	18900	10	16QAM	27	0	-4700	4700	0.11	Pass

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

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	3.05	Pass
-10 Degree	18900	10	16QAM	27	0	-4700	4700	-1.27	Pass

1.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	4.26	Pass
0 Degree	18900	10	16QAM	27	0	-4700	4700	1.62	Pass

1.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	-1.43	Pass
10 Degree	18900	10	16QAM	27	0	-4700	4700	4.16	Pass

1.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	4.06	Pass
20 Degree	18900	10	16QAM	27	0	-4700	4700	-1.9	Pass

1.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	3.46	Pass
25 Degree	18900	10	16QAM	27	0	-4700	4700	1.9	Pass

1.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	6.28	Pass
30 Degree	18900	10	16QAM	27	0	-4700	4700	1.79	Pass

1.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	3.6	Pass
40 Degree	18900	10	16QAM	27	0	-4700	4700	3.12	Pass

1.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	5.52	Pass
50 Degree	18900	10	16QAM	27	0	-4700	4700	3.91	Pass

1.11. LTE Frequency Stability_Part22-24-27(NTHV)

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	4.56	Pass
NTHV	18900	10	16QAM	27	0	-4700	4700	-0.54	Pass

1.12. LTE Frequency Stability_Part22-24-27(NTLV)

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	5.97	Pass
NTLV	18900	10	16QAM	27	0	-4700	4700	-0.93	Pass

2. LTE_Band4

2.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	2.85	Pass
-30 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	-3.19	Pass

2.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	-3.96	Pass
-20 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	-2.8	Pass

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

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	2.85	Pass
-10 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	-1.43	Pass

2.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	-0.24	Pass
0 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	4.91	Pass

2.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	2.43	Pass
10 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	-3.81	Pass

2.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	0.51	Pass
20 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	-0.97	Pass

2.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	4.51	Pass
25 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	0.69	Pass

2.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	-3.71	Pass
30 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	-1.62	Pass

2.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	-1.2	Pass
40 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	-3.75	Pass

2.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	1.63	Pass
50 Degree	20175	10	16QAM	27	0	-4331.25	4331.25	2.88	Pass

2.11. LTE Frequency Stability_Part22-24-27(NTHV)

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	5.97	Pass
NTHV	20175	10	16QAM	27	0	-4331.25	4331.25	2.56	Pass

2.12. LTE Frequency Stability_Part22-24-27(NTLV)

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	1.12	Pass
NTLV	20175	10	16QAM	27	0	-4331.25	4331.25	2.35	Pass

3. LTE_Band5

3.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	-0.49	Pass
-30 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-1.85	Pass

3.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	-2.16	Pass
-20 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-1.14	Pass

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

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	-0.14	Pass
-10 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-0.92	Pass

3.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	-1.57	Pass
0 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-1.23	Pass

3.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	-0.36	Pass
10 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-0.53	Pass

3.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	-1.32	Pass
20 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-0.93	Pass

3.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	0.86	Pass
25 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-0.63	Pass

3.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	0.53	Pass
30 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-2.05	Pass

3.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	-1.83	Pass
40 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-2.06	Pass

3.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	-1.6	Pass
50 Degree	20525	10	16QAM	27	0	-2091.25	2091.25	-0.01	Pass

3.11. LTE Frequency Stability_Part22-24-27(NTHV)

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	-0.57	Pass
NTHV	20525	10	16QAM	27	0	-2091.25	2091.25	-0.64	Pass

3.12. LTE Frequency Stability_Part22-24-27(NTLV)

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	-0.64	Pass
NTLV	20525	10	16QAM	27	0	-2091.25	2091.25	-1.69	Pass

4. LTE_Band12

4.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	0.13	Pass
-30 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	0.03	Pass

4.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	-0.09	Pass
-20 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	0.46	Pass

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

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	0.89	Pass
-10 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	-1.2	Pass

4.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	0.94	Pass
0 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	0.24	Pass

4.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	-0.73	Pass
10 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	0.46	Pass

4.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	0.09	Pass
20 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	3.48	Pass

4.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	1.09	Pass
25 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	-0.73	Pass

4.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	0.4	Pass
30 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	0.36	Pass

4.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	0.09	Pass
40 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	-2.05	Pass

4.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	0.03	Pass
50 Degree	23095	10	16QAM	27	0	-1768.75	1768.75	2.56	Pass

4.11. LTE Frequency Stability_Part22-24-27(NTHV)

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	-0.13	Pass
NTHV	23095	10	16QAM	27	0	-1768.75	1768.75	0.47	Pass

4.12. LTE Frequency Stability_Part22-24-27(NTLV)

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	-0.14	Pass
NTLV	23095	10	16QAM	27	0	-1768.75	1768.75	1.09	Pass

5. LTE_Band13

5.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	-0.84	Pass
-30 Degree	23230	10	16QAM	27	0	-1955	1955	1.23	Pass

5.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	2.36	Pass
-20 Degree	23230	10	16QAM	27	0	-1955	1955	2.78	Pass

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

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	0.86	Pass
-10 Degree	23230	10	16QAM	27	0	-1955	1955	2.35	Pass

5.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	2.2	Pass
0 Degree	23230	10	16QAM	27	0	-1955	1955	1.77	Pass

5.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	3.2	Pass
10 Degree	23230	10	16QAM	27	0	-1955	1955	4.35	Pass

5.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	1.8	Pass
20 Degree	23230	10	16QAM	27	0	-1955	1955	2.27	Pass

5.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	2.56	Pass
25 Degree	23230	10	16QAM	27	0	-1955	1955	2.06	Pass

5.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	2.62	Pass
30 Degree	23230	10	16QAM	27	0	-1955	1955	2.05	Pass

5.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	1.04	Pass
40 Degree	23230	10	16QAM	27	0	-1955	1955	1.93	Pass

5.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	1.09	Pass
50 Degree	23230	10	16QAM	27	0	-1955	1955	2.7	Pass

5.11. LTE Frequency Stability_Part22-24-27(NTHV)

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	1.23	Pass
NTHV	23230	10	16QAM	27	0	-1955	1955	1.47	Pass

5.12. LTE Frequency Stability_Part22-24-27(NTLV)

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	2.17	Pass
NTLV	23230	10	16QAM	27	0	-1955	1955	0.9	Pass

6. LTE_Band14

6.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	1.09	Pass
-30 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	0.9	Pass

6.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	1.86	Pass
-20 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	-0.36	Pass

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

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	23330	10	QPSK	50	0	-1982.5	1982.5	0.29	Pass
-10 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	-1.37	Pass

6.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	-0.41	Pass
0 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	2.23	Pass

6.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	0.13	Pass
10 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	1.85	Pass

6.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	2.42	Pass
20 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	2.05	Pass

6.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	1.52	Pass
25 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	0.36	Pass

6.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	0.72	Pass
30 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	-0.73	Pass

6.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	0.43	Pass
40 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	3.79	Pass

6.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	23330	10	QPSK	50	0	-1982.5	1982.5	1.8	Pass
50 Degree	23330	10	16QAM	27	0	-1982.5	1982.5	0.34	Pass

6.11. LTE Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	23330	10	QPSK	50	0	-1982.5	1982.5	2.72	Pass
NTHV	23330	10	16QAM	27	0	-1982.5	1982.5	0.33	Pass

6.12. LTE Frequency Stability_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	23330	10	QPSK	50	0	-1982.5	1982.5	1.44	Pass
NTLV	23330	10	16QAM	27	0	-1982.5	1982.5	0.09	Pass

7. LTE_Band25

7.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	9.41	Pass
-30 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	-1.37	Pass

7.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	5.71	Pass
-20 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	2.92	Pass

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

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	26365	10	QPSK	50	0	-4706.25	4706.25	2.32	Pass
-10 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	1.86	Pass

7.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	-1.17	Pass
0 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	2.6	Pass

7.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	0.09	Pass
10 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	-1.26	Pass

7.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	4.38	Pass
20 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	-0.01	Pass

7.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	8.54	Pass
25 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	-1.56	Pass

7.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	4.72	Pass
30 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	1.85	Pass

7.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	-3.03	Pass
40 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	6.19	Pass

7.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	26365	10	QPSK	50	0	-4706.25	4706.25	3.33	Pass
50 Degree	26365	10	16QAM	27	0	-4706.25	4706.25	2.65	Pass

7.11. LTE Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	26365	10	QPSK	50	0	-4706.25	4706.25	4.78	Pass
NTHV	26365	10	16QAM	27	0	-4706.25	4706.25	3.5	Pass

7.12. LTE Frequency Stability_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	26365	10	QPSK	50	0	-4706.25	4706.25	0.04	Pass
NTLV	26365	10	16QAM	27	0	-4706.25	4706.25	2.4	Pass

8. LTE_Band66

8.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	0.34	Pass
-30 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-5.18	Pass

8.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	-1.44	Pass
-20 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-5.91	Pass

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

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	-6.59	Pass
-10 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-3.39	Pass

8.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	-5.97	Pass
0 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-7.57	Pass

8.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	-7.51	Pass
10 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-10.23	Pass

8.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	-3.75	Pass
20 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-8.17	Pass

8.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	-3.52	Pass
25 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-5.89	Pass

8.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	-3.96	Pass
30 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-4.82	Pass

8.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	-6.22	Pass
40 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-6.62	Pass

8.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	-6.27	Pass
50 Degree	132322	10	16QAM	27	0	-4362.5	4362.5	-4.51	Pass

8.11. LTE Frequency Stability_Part22-24-27(NTHV)

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	-1.37	Pass
NTHV	132322	10	16QAM	27	0	-4362.5	4362.5	1.8	Pass

8.12. LTE Frequency Stability_Part22-24-27(NTLV)

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	-1.33	Pass
NTLV	132322	10	16QAM	27	0	-4362.5	4362.5	1.76	Pass

9. LTE_Band71

9.1. LTE Frequency Stability_Part22-24-27(-30 Degree)

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	0.06	Pass
-30 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	2.78	Pass

9.2. LTE Frequency Stability_Part22-24-27(-20 Degree)

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	1.07	Pass
-20 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	0.23	Pass

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

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	1.72	Pass
-10 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	1.54	Pass

9.4. LTE Frequency Stability_Part22-24-27(0 Degree)

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	0.46	Pass
0 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	1.29	Pass

9.5. LTE Frequency Stability_Part22-24-27(10 Degree)

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	0.99	Pass
10 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	0.57	Pass

9.6. LTE Frequency Stability_Part22-24-27(20 Degree)

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	0.06	Pass
20 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	0.03	Pass

9.7. LTE Frequency Stability_Part22-24-27(25 Degree)

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	1.34	Pass
25 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	0.47	Pass

9.8. LTE Frequency Stability_Part22-24-27(30 Degree)

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	1.92	Pass
30 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	1.43	Pass

9.9. LTE Frequency Stability_Part22-24-27(40 Degree)

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	1.4	Pass
40 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	2.35	Pass

9.10. LTE Frequency Stability_Part22-24-27(50 Degree)

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	-1.17	Pass
50 Degree	133297	10	16QAM	27	0	-1701.25	1701.25	1.79	Pass

9.11. LTE Frequency Stability_Part22-24-27(NTHV)

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	-0.37	Pass
NTHV	133297	10	16QAM	27	0	-1701.25	1701.25	1.02	Pass

9.12. LTE Frequency Stability_Part22-24-27(NTLV)

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	0.24	Pass
NTLV	133297	10	16QAM	27	0	-1701.25	1701.25	0.62	Pass

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