

Frequency Stability

GSM

GSM 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.92	-10	-6.88	±2060.5	-7.81	±2091.5	-6.23	±2122	Pass
	0	-9.56		-13.3		-11.11		
	+10	-8.49		-9.17		-4.55		
	+20	-6.75		-12.85		-6.1		
	+25	-9.46		5.62		-10.07		
	+30	-5.26		-8.07		-5.81		
	+40	-10.01		-4.1		5.46		
	+50	-7.3		-11.69		-5.97		
4.53	+25	8.27		-6.62		-9.56		
3.45	+25	-7.94		-9.59		-7.81		

GSM 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.92	-10	-8.94	±4625.5	11.46	±4700.0	13.92	±4774.5	Pass
	0	10.01		-9.01		10.17		
	+10	5.65		6.39		8.78		
	+20	7.2		12.37		-9.23		
	+25	5.2		6.91		9.4		
	+30	-5.97		-7.14		-9.94		
	+40	-10.36		-10.49		7.55		
	+50	-8.49		9.43		7.68		
4.53	+25	6.72		9.43		11.36		
3.45	+25	12.49		-12.46		-12.79		

GPRS

GPRS 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.92	-10	-11.24	±2060.5	-9.75	±2091.5	-16.11	±2122	Pass
	0	-7.17		-16.21		-14.98		
	+10	-10.17		-9.43		-7.88		
	+20	-7.14		-8.17		-7.62		
	+25	-7.97		-10.11		7.85		
	+30	-7.1		-8.04		-8.56		
	+40	7.39		-5.91		-7.33		
	+50	-7.49		-5.91		-10.23		
4.53	+25	-13.43		-9.91		-10.33		
3.45	+25	-9.56		-9.98		-6.78		

GPRS 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.92	-10	-7.39	±4625.5	8.56	±4700.0	-12.85	±4774.5	Pass
	0	-12.24		-12.46		-8.1		
	+10	11.91		-7.88		-6.55		
	+20	-4		6.49		-8.04		
	+25	7.68		6.46		6.55		
	+30	-9.59		-7.52		9.91		
	+40	-8.81		-4.94		-10.65		
	+50	-8.85		-5.94		-8.33		
4.53	+25	-6.72		-4.33		5.55		
3.45	+25	-8.85		-7.43		-12.17		

EGPRS

EGPRS 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.92	-10	-11.04	±2060.5	-12.62	±2091.5	-9.56	±2122	Pass
	0	-11.75		-13.08		-11.98		
	+10	-6.68		-9.52		-9.07		
	+20	-7.97		-10.85		-10.82		
	+25	7.49		-5.59		-5.88		
	+30	-4.36		-6.78		-6.97		
	+40	-7.17		-7.07		-8.75		
	+50	-4.88		-5.84		-5.71		
4.53	+25	-10.23		-12.24		-11.27		
3.45	+25	-7.39		-7.1		-6.07		

EGPRS 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.92	-10	-21.44	±4625.5	-14.82	±4700.0	-9.75	±4774.5	Pass
	0	-6.84		-10.17		-10.07		
	+10	-9.27		8.07		-7.91		
	+20	8.07		-8.46		-8.39		
	+25	7.36		8.62		-9.27		
	+30	-12.82		-8.59		-10.07		
	+40	-8.1		-10.78		4.81		
	+50	-14.21		-9.01		-4.04		
4.53	+25	-12.49		-6.01		5.84		
3.45	+25	-5.81		-11.72		-8.46		

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)	
3.92	-10	-11.59	±4631	-11.04	±4700	-8.05	±4769	Pass
	0	-7.93		-9.54		-9.75		
	+10	-8.03		-9.7		-9.62		
	+20	-9.18		-9.89		-9.47		
	+25	-5.44		-10.63		-9.51		
	+30	-8.13		-9.52		-9.73		
	+40	-8.43		-8.68		-8.41		
	+50	-8.5		-7.64		-8.23		
4.53	+25	-7.75		-9.24		-9.16		
3.45	+25	-6.56		-11.06		-5.98		

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)	
3.92	-10	-3.98	±4281	-9.63	±4331	-9.93	±4381.5	Pass
	0	-5.32		-10.44		-11.98		
	+10	-2.73		-7.95		-9.78		
	+20	-6.49		-12.15		-8.85		
	+25	-5.77		-14.73		-12.95		
	+30	-3.4		-10.91		-10.67		
	+40	-4.86		-10.63		-13.38		
	+50	-5.99		-8.93		-12.6		
4.53	+25	-3.55		-13.21		-9.86		
3.45	+25	-5.56		-12.41		-10.79		

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)	
3.92	-10	-6.41	±2066	-7.76	±2091	-5.97	±2116.5	Pass
	0	-7.88		-5.56		-6.74		
	+10	-7.91		-7.05		-7.96		
	+20	-6.87		-6.29		-7.36		
	+25	-9.34		-6.9		-9.2		
	+30	-7.76		-7.2		-5.76		
	+40	-8.1		-7.5		-5.82		
	+50	-8.6		-7.15		-6.82		
4.53	+25	-9.04		-6.92		-7.93		
3.45	+25	-8.23		-7.29		-6.34		

LTE

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-4.66	±4700	Pass
	0	-2.65		
	+10	-3.26		
	+20	-4.12		
	+25	-3.13		
	+30	-3.59		
	+40	-3.43		
	+50	-3.75		
4.53	+25	-1.76	±4700	Pass
3.45	+25	-0.09		

LTE Band 2 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-4.35	±4700	Pass
	0	-0.89		
	+10	0.24		
	+20	-4.61		
	+25	-3.6		
	+30	-1.6		
	+40	-7		
	+50	-6.82		
4.53	+25	-1.44	±4700	Pass
3.45	+25	1.95		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-3.33	±4331.25	Pass
	0	1.67		
	+10	-2.02		
	+20	-2.8		
	+25	-2.88		
	+30	1.4		
	+40	-0.93		
	+50	-3.5		
4.53	+25	1.32	±4331.25	Pass
3.45	+25	-0.59		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-3.62	±4331.25	Pass
	0	-4.12		
	+10	-3.48		
	+20	-3.79		
	+25	-1.9		
	+30	-3.13		
	+40	-3.39		
	+50	-0.27		
4.53	+25	0.7	±4331.25	Pass
3.45	+25	-1.92		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-1.66	±2091.25	Pass
	0	-8.77		
	+10	-5.82		
	+20	-3.89		
	+25	-2.83		
	+30	-1.39		
	+40	-5.12		
	+50	-3.29		
4.53	+25	-6.28		
3.45	+25	-5.65		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-3.3	±2091.25	Pass
	0	-2.15		
	+10	-6.22		
	+20	-3.13		
	+25	-6.02		
	+30	-4.38		
	+40	-2.36		
	+50	-6.17		
4.53	+25	-4.16		
3.45	+25	-4.84		

LTE Band 7 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-1.62	±6337.5	Pass
	0	-5.76		
	+10	-11.62		
	+20	-11.54		
	+25	4.28		
	+30	1.27		
	+40	-7.67		
	+50	-1.86		
4.53	+25	-0.79	±6337.5	Pass
3.45	+25	-1.14		

LTE Band 7 16-QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-10.47	±6337.5	Pass
	0	-0.97		
	+10	-5.15		
	+20	1.12		
	+25	-7.57		
	+30	-3.2		
	+40	1.37		
	+50	-7.21		
4.53	+25	-2.19	±6337.5	Pass
3.45	+25	0.5		

LTE Band 38 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	-6.24	±6487.5	Pass
	0	-3.16		
	+10	-1.89		
	+20	-1.03		
	+25	0.87		
	+30	-0.53		
	+40	1.39		
	+50	-2.56		
4.53	+25	-2.99		
3.45	+25	-1.07		

LTE Band 38 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	2.32	±6487.5	Pass
	0	-3.58		
	+10	4.11		
	+20	0.97		
	+25	4.88		
	+30	-4.79		
	+40	-7.12		
	+50	1.43		
4.53	+25	-2.6		
3.45	+25	5.62		

LTE Band 41(120M) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	2.26	±6487.5	Pass
	0	-1.24		
	+10	2.53		
	+20	-0.79		
	+25	-5.16		
	+30	-2.88		
	+40	2.36		
	+50	1.24		
4.53	+25	-3.23		
3.45	+25	0.93		

LTE Band 41(120M) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value(Hz)	Limits (Hz)	
3.92	-10	2.03	±6487.5	Pass
	0	-3.58		
	+10	-3.35		
	+20	1.99		
	+25	-4.55		
	+30	1.69		
	+40	-2.05		
	+50	0.84		
4.53	+25	0.7		
3.45	+25	0.46		

CA

CA_2C QPSK 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 1877.5 MHz		SCC MCH 1889.2 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-2.69	±4693.75	-3.65	±4723	Pass
	0	0.67		-1.72		
	+10	-5.65		-4.26		
	+20	-3.92		-2.79		
	+25	-6.05		0.09		
	+30	-2.06		-5.88		
	+40	-1.43		-0.26		
	+50	-0.44		-3.68		
4.53	+25	-4.76		-1.57		
3.45	+25	-2.05		-3.95		

CA_2C 16QAM 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 1877.5 MHz		SCC MCH 1889.2 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	1.49	±4693.75	-2.82	±4723	Pass
	0	-4.45		-2.33		
	+10	-4.06		-3.45		
	+20	-4.15		-1		
	+25	-3.45		0.93		
	+30	3.6		2.35		
	+40	-0.73		-0.6		
	+50	2.43		0.43		
4.53	+25	0.86		0.74		
3.45	+25	1.54		-2.95		

CA_2C QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 1870.1 MHz		SCC MCH 1889.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-3.4	±4675.25	-0.07	±4724.75	Pass
	0	-2.47		-2.55		
	+10	-7.7		-6.21		
	+20	-5.66		1.85		
	+25	-2.7		-2.26		
	+30	-4.08		-0.69		
	+40	-6.94		0.37		
	+50	-0.44		2.13		
4.53	+25	-4.59		-2.15		
3.45	+25	-6.72		3.08		

CA_2C 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 1870.1 MHz		SCC MCH 1889.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-2.52	±4675.25	-1.12	±4724.75	Pass
	0	-1.24		-0.3		
	+10	0.54		4.95		
	+20	-1.3		-2.98		
	+25	-1.12		-0.63		
	+30	4.28		1.53		
	+40	2.46		-3.83		
	+50	-0.07		-3.12		
4.53	+25	-0.72		-2.39		
3.45	+25	-5.02		1.65		

CA_5B QPSK 10MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 834 MHz		SCC MCH 841.2 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	0.9	±2085	-1.77	±2103	Pass
	0	-5.26		-3.25		
	+10	-4.85		-3.88		
	+20	-0.26		-5.12		
	+25	-2.05		-4.05		
	+30	-4.91		-3.49		
	+40	-2.65		-8.45		
	+50	-2.93		-5.26		
4.53	+25	-3.96		-2.73		
3.45	+25	-1.86		-1.56		

CA_5B 16QAM 10MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 834 MHz		SCC MCH 841.2 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-2.36	±2085	-1.07	±2103	Pass
	0	-0.36		-2.73		
	+10	-0.29		-4.02		
	+20	-4.42		-0.41		
	+25	-3.65		-3.08		
	+30	-0.99		-0.46		
	+40	-5.04		-3.18		
	+50	-5.08		-3.38		
4.53	+25	-2.26		-2.89		
3.45	+25	-1.83		-4.75		

CA_5B QPSK 10MHz+10MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 831.6 MHz		SCC MCH 841.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-3.29	±2079	-1.86	±2103.75	Pass
	0	-4.05		-2.43		
	+10	-7.78		-3.58		
	+20	-5.56		-1.29		
	+25	-3.93		-3.26		
	+30	-3.92		-3.36		
	+40	-4.16		-0.4		
	+50	-0.74		-0.67		
4.53	+25	-2.53		-1.86		
3.45	+25	-0.82		-2.75		

CA_5B 16QAM 10MHz+10MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 831.6 MHz		SCC MCH 841.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-0.64	±2079	-0.99	±2103.75	Pass
	0	-6.02		-1.57		
	+10	-0.8		-3.05		
	+20	-5.75		-0.26		
	+25	1.5		-2.78		
	+30	-3.62		-1.65		
	+40	0.43		0.86		
	+50	-1.37		1.62		
4.53	+25	0.17		-0.2		
3.45	+25	0.67		-4.48		

CA_7C QPSK 20MHz+10MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2530.1 MHz		SCC MCH 2544.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-3.18	±6325.25	-11.87	±6361.25	Pass
	0	-6.98		-1.79		
	+10	-1.54		-6.52		
	+20	-0.27		1.36		
	+25	-10.8		-0.83		
	+30	-7.02		-6.87		
	+40	5.31		-0.4		
	+50	-4.98		1.22		
4.53	+25	-13.19	±6325.25	-2.3	±6361.25	Pass
3.45	+25	-8.03		-5.81		

CA_7C 16QAM 20MHz+10MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2530.1 MHz		SCC MCH 2544.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-0.59	±6325.25	-4.13	±6361.25	Pass
	0	-1.54		-8.11		
	+10	-0.04		-8.58		
	+20	-0.21		0.54		
	+25	-4.28		-0.89		
	+30	-13.35		-6.12		
	+40	-3.73		-4.58		
	+50	-7.85		-6.72		
4.53	+25	-6.84		1.14		
3.45	+25	9.78		-7.24		

CA_7C QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2525.1 MHz		SCC MCH 2544.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-7.47	±6312.75	-4.75	±6362.25	Pass
	0	-5.11		1.73		
	+10	-2.27		-10.17		
	+20	-11.23		-5.36		
	+25	3.86		2.03		
	+30	-0.49		-4.13		
	+40	1.7		-5.16		
	+50	-13.32		-1.24		
4.53	+25	-7.5	±6312.75	-0.9	±6362.25	Pass
3.45	+25	-9.83		-6.47		

CA_7C 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2525.1 MHz		SCC MCH 2544.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-3.23	±6312.75	-8.03	±6362.25	Pass
	0	-4.12		-6.24		
	+10	1.22		-3.02		
	+20	-8.31		-0.87		
	+25	-7.17		-3.35		
	+30	-3.73		-12.76		
	+40	-8.68		0.44		
	+50	-5.46		-1.16		
4.53	+25	-2.76		-2.52		
3.45	+25	-4.49		-8.28		

CA_38C QPSK 15MHz+15MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2587.5 MHz		SCC MCH 2602.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-12.02	±6468.75	-7.88	±6506.25	Pass
	0	-7.25		-4.51		
	+10	-6.24		-2.17		
	+20	-2.59		-1.82		
	+25	-3.48		-2.05		
	+30	-6.21		-0.39		
	+40	-7.84		-2.12		
	+50	-5.39		-5.21		
4.53	+25	-7.25		-4.31		
3.45	+25	-8.55		-3.6		

CA_38C 16QAM 15MHz+15MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2587.5 MHz		SCC MCH 2602.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-2.89	±6468.75	-5.81	±6506.25	Pass
	0	-0.66		0.93		
	+10	2.07		-7.51		
	+20	-1.43		-10.8		
	+25	-2.6		-2.75		
	+30	-8.3		-7.24		
	+40	-4.98		-3.02		
	+50	-4.35		-1.82		
4.53	+25	-2.06		-4.62		
3.45	+25	-4.49		-6.22		

CA_38C QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2585.1 MHz		SCC MCH 2604.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-6.65	±6462.75	-5.95	±6512.25	Pass
	0	-3.13		-2.46		
	+10	-6.39		-9.64		
	+20	-8.96		-5.89		
	+25	-4.28		-10.99		
	+30	-7.48		-3.32		
	+40	-3.88		-5.41		
	+50	-10.23		-11.39		
4.53	+25	-6.47		-9.93		
3.45	+25	-0.56		-2.69		

CA_38C 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2585.1 MHz		SCC MCH 2604.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-3	±6462.75	-2.12	±6512.25	Pass
	0	-2.8		-3.68		
	+10	-2.13		-5.46		
	+20	-4.22		-6.08		
	+25	-0.82		-1.04		
	+30	0.16		-2.3		
	+40	-6.02		-6.79		
	+50	-8.55		-6.15		
4.53	+25	-7.74	±6462.75	-3.2	±6512.25	Pass
3.45	+25	1.07		-7.47		

CA_41C(120M) QPSK 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2592.5 MHz		SCC MCH 2604.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-7.6	±6481.25	-0.53	±6510.5	Pass
	0	-0.01		-2.72		
	+10	-1.36		-6.21		
	+20	-0.1		-0.3		
	+25	-3.03		-1.89		
	+30	0.99		-5.15		
	+40	0.41		-9.34		
	+50	-2.62		-3.42		
4.53	+25	-5.14	±6481.25	-1.77	±6510.5	Pass
3.45	+25	-4.29		-4.19		

CA_41C(120M) 16QAM 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2592.5 MHz		SCC MCH 2604.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-1.06	±6481.25	-4.05	±6510.5	Pass
	0	-2.07		-3.2		
	+10	0.69		-1		
	+20	0.93		6.27		
	+25	-0.73		1.07		
	+30	0.57		-8.83		
	+40	2.19		-0.01		
	+50	-7.6		-2.12		
4.53	+25	-5.65		0.93		
3.45	+25	-6.42		-0.67		

CA_41C(120M) QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2585.1 MHz		SCC MCH 2604.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-12.49	±6462.75	-0.49	±6512.25	Pass
	0	-3.1		-7.88		
	+10	-5.72		-5.64		
	+20	-4.62		-8.45		
	+25	-0.64		-2.03		
	+30	-5.66		-0.51		
	+40	-5.81		-3.82		
	+50	1.1		-9.24		
4.53	+25	-7.7		-2.56		
3.45	+25	-3.35		-10.84		

CA_41C(120M) 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2585.1 MHz		SCC MCH 2604.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.92	-10	-7.54	±6462.75	-2.47	±6512.25	Pass
	0	-8.38		-3.08		
	+10	-11.37		-4.73		
	+20	-1.22		-9.71		
	+25	-6.82		-1.39		
	+30	-1.3		-3.6		
	+40	-7.38		-2.95		
	+50	-0.83		-1.59		
4.53	+25	-7.7		-4.43		
3.45	+25	-7.72		-5.94		

1. GSM_GSM850

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

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-6.88	-2060.5	2060.5	Pass
190	5	Static	-7.81	-2091.5	2091.5	Pass
251	5	Static	-6.23	-2122	2122	Pass

1.2. GSM Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-9.56	-2060.5	2060.5	Pass
190	5	Static	-13.3	-2091.5	2091.5	Pass
251	5	Static	-11.11	-2122	2122	Pass

1.3. GSM Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-8.49	-2060.5	2060.5	Pass
190	5	Static	-9.17	-2091.5	2091.5	Pass
251	5	Static	-4.55	-2122	2122	Pass

1.4. GSM Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-6.75	-2060.5	2060.5	Pass
190	5	Static	-12.85	-2091.5	2091.5	Pass
251	5	Static	-6.1	-2122	2122	Pass

1.5. GSM Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-9.46	-2060.5	2060.5	Pass
190	5	Static	5.62	-2091.5	2091.5	Pass
251	5	Static	-10.07	-2122	2122	Pass

1.6. GSM Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-5.26	-2060.5	2060.5	Pass
190	5	Static	-8.07	-2091.5	2091.5	Pass
251	5	Static	-5.81	-2122	2122	Pass

1.7. GSM Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-10.01	-2060.5	2060.5	Pass
190	5	Static	-4.1	-2091.5	2091.5	Pass
251	5	Static	5.46	-2122	2122	Pass

1.8. GSM Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-7.3	-2060.5	2060.5	Pass
190	5	Static	-11.69	-2091.5	2091.5	Pass
251	5	Static	-5.97	-2122	2122	Pass

1.9. GSM Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	8.27	-2060.5	2060.5	Pass
190	5	Static	-6.62	-2091.5	2091.5	Pass
251	5	Static	-9.56	-2122	2122	Pass

1.10. GSM Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-7.94	-2060.5	2060.5	Pass
190	5	Static	-9.59	-2091.5	2091.5	Pass
251	5	Static	-7.81	-2122	2122	Pass

2. GSM_PCS

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

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-8.94	-4625.5	4625.5	Pass
661	0	Static	11.46	-4700	4700	Pass
810	0	Static	13.92	-4774.5	4774.5	Pass

2.2. GSM Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	10.01	-4625.5	4625.5	Pass
661	0	Static	-9.01	-4700	4700	Pass
810	0	Static	10.17	-4774.5	4774.5	Pass

2.3. GSM Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	5.65	-4625.5	4625.5	Pass
661	0	Static	6.39	-4700	4700	Pass
810	0	Static	8.78	-4774.5	4774.5	Pass

2.4. GSM Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	7.2	-4625.5	4625.5	Pass
661	0	Static	12.37	-4700	4700	Pass
810	0	Static	-9.23	-4774.5	4774.5	Pass

2.5. GSM Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	5.2	-4625.5	4625.5	Pass
661	0	Static	6.91	-4700	4700	Pass
810	0	Static	9.4	-4774.5	4774.5	Pass

2.6. GSM Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-5.97	-4625.5	4625.5	Pass
661	0	Static	-7.14	-4700	4700	Pass
810	0	Static	-9.94	-4774.5	4774.5	Pass

2.7. GSM Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-10.36	-4625.5	4625.5	Pass
661	0	Static	-10.49	-4700	4700	Pass
810	0	Static	7.55	-4774.5	4774.5	Pass

2.8. GSM Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-8.49	-4625.5	4625.5	Pass
661	0	Static	9.43	-4700	4700	Pass
810	0	Static	7.68	-4774.5	4774.5	Pass

2.9. GSM Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	6.72	-4625.5	4625.5	Pass
661	0	Static	9.43	-4700	4700	Pass
810	0	Static	11.36	-4774.5	4774.5	Pass

2.10. GSM Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	12.49	-4625.5	4625.5	Pass
661	0	Static	-12.46	-4700	4700	Pass
810	0	Static	-12.79	-4774.5	4774.5	Pass

1. GPRS_GSM850

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

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-11.24	-2060.5	2060.5	Pass
190	5	Static	-9.75	-2091.5	2091.5	Pass
251	5	Static	-16.11	-2122	2122	Pass

1.2. GPRS Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-7.17	-2060.5	2060.5	Pass
190	5	Static	-16.21	-2091.5	2091.5	Pass
251	5	Static	-14.98	-2122	2122	Pass

1.3. GPRS Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-10.17	-2060.5	2060.5	Pass
190	5	Static	-9.43	-2091.5	2091.5	Pass
251	5	Static	-7.88	-2122	2122	Pass

1.4. GPRS Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-7.14	-2060.5	2060.5	Pass
190	5	Static	-8.17	-2091.5	2091.5	Pass
251	5	Static	-7.62	-2122	2122	Pass

1.5. GPRS Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-7.97	-2060.5	2060.5	Pass
190	5	Static	-10.11	-2091.5	2091.5	Pass
251	5	Static	7.85	-2122	2122	Pass

1.6. GPRS Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-7.1	-2060.5	2060.5	Pass
190	5	Static	-8.04	-2091.5	2091.5	Pass
251	5	Static	-8.56	-2122	2122	Pass

1.7. GPRS Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	7.39	-2060.5	2060.5	Pass
190	5	Static	-5.91	-2091.5	2091.5	Pass
251	5	Static	-7.33	-2122	2122	Pass

1.8. GPRS Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-7.49	-2060.5	2060.5	Pass
190	5	Static	-5.91	-2091.5	2091.5	Pass
251	5	Static	-10.23	-2122	2122	Pass

1.9. GPRS Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-13.43	-2060.5	2060.5	Pass
190	5	Static	-9.91	-2091.5	2091.5	Pass
251	5	Static	-10.33	-2122	2122	Pass

1.10. GPRS Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	5	Static	-9.56	-2060.5	2060.5	Pass
190	5	Static	-9.98	-2091.5	2091.5	Pass
251	5	Static	-6.78	-2122	2122	Pass

2. GPRS_PCS

2.1. GPRS Frequency Stability_Part22-24(-10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-7.39	-4625.5	4625.5	Pass
661	0	Static	8.56	-4700	4700	Pass
810	0	Static	-12.85	-4774.5	4774.5	Pass

2.2. GPRS Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-12.24	-4625.5	4625.5	Pass
661	0	Static	-12.46	-4700	4700	Pass
810	0	Static	-8.1	-4774.5	4774.5	Pass

2.3. GPRS Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	11.91	-4625.5	4625.5	Pass
661	0	Static	-7.88	-4700	4700	Pass
810	0	Static	-6.55	-4774.5	4774.5	Pass

2.4. GPRS Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-4	-4625.5	4625.5	Pass
661	0	Static	6.49	-4700	4700	Pass
810	0	Static	-8.04	-4774.5	4774.5	Pass

2.5. GPRS Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	7.68	-4625.5	4625.5	Pass
661	0	Static	6.46	-4700	4700	Pass
810	0	Static	6.55	-4774.5	4774.5	Pass

2.6. GPRS Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-9.59	-4625.5	4625.5	Pass
661	0	Static	-7.52	-4700	4700	Pass
810	0	Static	9.91	-4774.5	4774.5	Pass

2.7. GPRS Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-8.81	-4625.5	4625.5	Pass
661	0	Static	-4.94	-4700	4700	Pass
810	0	Static	-10.65	-4774.5	4774.5	Pass

2.8. GPRS Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-8.85	-4625.5	4625.5	Pass
661	0	Static	-5.94	-4700	4700	Pass
810	0	Static	-8.33	-4774.5	4774.5	Pass

2.9. GPRS Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-6.72	-4625.5	4625.5	Pass
661	0	Static	-4.33	-4700	4700	Pass
810	0	Static	5.55	-4774.5	4774.5	Pass

2.10. GPRS Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	0	Static	-8.85	-4625.5	4625.5	Pass
661	0	Static	-7.43	-4700	4700	Pass
810	0	Static	-12.17	-4774.5	4774.5	Pass

1. EGPRS_GSM850

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

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-11.04	-2060.5	2060.5	Pass
190	8	Static	-12.62	-2091.5	2091.5	Pass
251	8	Static	-9.56	-2122	2122	Pass

1.2. EGPRS Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-11.75	-2060.5	2060.5	Pass
190	8	Static	-13.08	-2091.5	2091.5	Pass
251	8	Static	-11.98	-2122	2122	Pass

1.3. EGPRS Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-6.68	-2060.5	2060.5	Pass
190	8	Static	-9.52	-2091.5	2091.5	Pass
251	8	Static	-9.07	-2122	2122	Pass

1.4. EGPRS Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-7.97	-2060.5	2060.5	Pass
190	8	Static	-10.85	-2091.5	2091.5	Pass
251	8	Static	-10.82	-2122	2122	Pass

1.5. EGPRS Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	7.49	-2060.5	2060.5	Pass
190	8	Static	-5.59	-2091.5	2091.5	Pass
251	8	Static	-5.88	-2122	2122	Pass

1.6. EGPRS Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-4.36	-2060.5	2060.5	Pass
190	8	Static	-6.78	-2091.5	2091.5	Pass
251	8	Static	-6.97	-2122	2122	Pass

1.7. EGPRS Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-7.17	-2060.5	2060.5	Pass
190	8	Static	-7.07	-2091.5	2091.5	Pass
251	8	Static	-8.75	-2122	2122	Pass

1.8. EGPRS Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-4.88	-2060.5	2060.5	Pass
190	8	Static	-5.84	-2091.5	2091.5	Pass
251	8	Static	-5.71	-2122	2122	Pass

1.9. EGPRS Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-10.23	-2060.5	2060.5	Pass
190	8	Static	-12.24	-2091.5	2091.5	Pass
251	8	Static	-11.27	-2122	2122	Pass

1.10. EGPRS Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
128	8	Static	-7.39	-2060.5	2060.5	Pass
190	8	Static	-7.1	-2091.5	2091.5	Pass
251	8	Static	-6.07	-2122	2122	Pass

2. EGPRS_PCS

2.1. EGPRS Frequency Stability_Part22-24(-10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-21.44	-4625.5	4625.5	Pass
661	2	Static	-14.82	-4700	4700	Pass
810	2	Static	-9.75	-4774.5	4774.5	Pass

2.2. EGPRS Frequency Stability_Part22-24(0 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-6.84	-4625.5	4625.5	Pass
661	2	Static	-10.17	-4700	4700	Pass
810	2	Static	-10.07	-4774.5	4774.5	Pass

2.3. EGPRS Frequency Stability_Part22-24(10 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-9.27	-4625.5	4625.5	Pass
661	2	Static	8.07	-4700	4700	Pass
810	2	Static	-7.91	-4774.5	4774.5	Pass

2.4. EGPRS Frequency Stability_Part22-24(20 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	8.07	-4625.5	4625.5	Pass
661	2	Static	-8.46	-4700	4700	Pass
810	2	Static	-8.39	-4774.5	4774.5	Pass

2.5. EGPRS Frequency Stability_Part22-24(25 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	7.36	-4625.5	4625.5	Pass
661	2	Static	8.62	-4700	4700	Pass
810	2	Static	-9.27	-4774.5	4774.5	Pass

2.6. EGPRS Frequency Stability_Part22-24(30 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-12.82	-4625.5	4625.5	Pass
661	2	Static	-8.59	-4700	4700	Pass
810	2	Static	-10.07	-4774.5	4774.5	Pass

2.7. EGPRS Frequency Stability_Part22-24(40 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-8.1	-4625.5	4625.5	Pass
661	2	Static	-10.78	-4700	4700	Pass
810	2	Static	4.81	-4774.5	4774.5	Pass

2.8. EGPRS Frequency Stability_Part22-24(50 Degree)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-14.21	-4625.5	4625.5	Pass
661	2	Static	-9.01	-4700	4700	Pass
810	2	Static	-4.04	-4774.5	4774.5	Pass

2.9. EGPRS Frequency Stability_Part22-24(NTHV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-12.49	-4625.5	4625.5	Pass
661	2	Static	-6.01	-4700	4700	Pass
810	2	Static	5.84	-4774.5	4774.5	Pass

2.10. EGPRS Frequency Stability_Part22-24(NTLV)

UL Channel	PCL	Propagation Condition	Freq Error (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
512	2	Static	-5.81	-4625.5	4625.5	Pass
661	2	Static	-11.72	-4700	4700	Pass
810	2	Static	-8.46	-4774.5	4774.5	Pass

1. WCDMA_Band2

1.2. WCDMA Frequency Stability_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	9262	-4631	4631	-11.59	Pass
-10 Degree	9400	-4700	4700	-11.04	Pass
-10 Degree	9538	-4769	4769	-8.05	Pass

1.3. WCDMA Frequency Stability_Part22-24-27(0 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	9262	-4631	4631	-7.93	Pass
0 Degree	9400	-4700	4700	-9.54	Pass
0 Degree	9538	-4769	4769	-9.75	Pass

1.4. WCDMA Frequency Stability_Part22-24-27(10 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	9262	-4631	4631	-8.03	Pass
10 Degree	9400	-4700	4700	-9.7	Pass
10 Degree	9538	-4769	4769	-9.62	Pass

1.5. WCDMA Frequency Stability_Part22-24-27(20 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	9262	-4631	4631	-9.18	Pass
20 Degree	9400	-4700	4700	-9.89	Pass
20 Degree	9538	-4769	4769	-9.47	Pass

1.6. WCDMA Frequency Stability_Part22-24-27(25 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	9262	-4631	4631	-5.44	Pass
25 Degree	9400	-4700	4700	-10.63	Pass
25 Degree	9538	-4769	4769	-9.51	Pass

1.7. WCDMA Frequency Stability_Part22-24-27(30 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	9262	-4631	4631	-8.13	Pass
30 Degree	9400	-4700	4700	-9.52	Pass
30 Degree	9538	-4769	4769	-9.73	Pass

1.8. WCDMA Frequency Stability_Part22-24-27(40 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	9262	-4631	4631	-8.43	Pass
40 Degree	9400	-4700	4700	-8.68	Pass
40 Degree	9538	-4769	4769	-8.41	Pass

1.9. WCDMA Frequency Stability_Part22-24-27(50 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	9262	-4631	4631	-8.5	Pass
50 Degree	9400	-4700	4700	-7.64	Pass
50 Degree	9538	-4769	4769	-8.23	Pass

1.10. WCDMA Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	9262	-4631	4631	-7.75	Pass
NTHV	9400	-4700	4700	-9.24	Pass
NTHV	9538	-4769	4769	-9.16	Pass

1.11. WCDMA Frequency Stability_Part22-24-27(NTLV)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	9262	-4631	4631	-6.56	Pass
NTLV	9400	-4700	4700	-11.06	Pass
NTLV	9538	-4769	4769	-5.98	Pass

2. WCDMA_Band4

2.1. WCDMA Frequency Stability_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	1312	-4281	4281	-3.98	Pass
-10 Degree	1412	-4331	4331	-9.63	Pass
-10 Degree	1513	-4381.5	4381.5	-9.93	Pass

2.2. WCDMA Frequency Stability_Part22-24-27(0 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	1312	-4281	4281	-5.32	Pass
0 Degree	1412	-4331	4331	-10.44	Pass
0 Degree	1513	-4381.5	4381.5	-11.98	Pass

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

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	1312	-4281	4281	-2.73	Pass
10 Degree	1412	-4331	4331	-7.95	Pass
10 Degree	1513	-4381.5	4381.5	-9.78	Pass

2.4. WCDMA Frequency Stability_Part22-24-27(20 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	1312	-4281	4281	-6.49	Pass
20 Degree	1412	-4331	4331	-12.15	Pass
20 Degree	1513	-4381.5	4381.5	-8.85	Pass

2.5. WCDMA Frequency Stability_Part22-24-27(25 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	1312	-4281	4281	-5.77	Pass
25 Degree	1412	-4331	4331	-14.73	Pass
25 Degree	1513	-4381.5	4381.5	-12.95	Pass

2.6. WCDMA Frequency Stability_Part22-24-27(30 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	1312	-4281	4281	-3.4	Pass
30 Degree	1412	-4331	4331	-10.91	Pass
30 Degree	1513	-4381.5	4381.5	-10.67	Pass

2.7. WCDMA Frequency Stability_Part22-24-27(40 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	1312	-4281	4281	-4.86	Pass
40 Degree	1412	-4331	4331	-10.63	Pass
40 Degree	1513	-4381.5	4381.5	-13.38	Pass

2.8. WCDMA Frequency Stability_Part22-24-27(50 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	1312	-4281	4281	-5.99	Pass
50 Degree	1412	-4331	4331	-8.93	Pass
50 Degree	1513	-4381.5	4381.5	-12.6	Pass

2.9. WCDMA Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	1312	-4281	4281	-3.55	Pass
NTHV	1412	-4331	4331	-13.21	Pass
NTHV	1513	-4381.5	4381.5	-9.86	Pass

2.10. WCDMA Frequency Stability_Part22-24-27(NTLV)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	1312	-4281	4281	-5.56	Pass
NTLV	1412	-4331	4331	-12.41	Pass
NTLV	1513	-4381.5	4381.5	-10.79	Pass

3. WCDMA_Band5

3.1. WCDMA Frequency Stability_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
-10 Degree	4132	-2066	2066	-6.41	Pass
-10 Degree	4182	-2091	2091	-7.76	Pass
-10 Degree	4233	-2116.5	2116.5	-5.97	Pass

3.2. WCDMA Frequency Stability_Part22-24-27(0 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
0 Degree	4132	-2066	2066	-7.88	Pass
0 Degree	4182	-2091	2091	-5.56	Pass
0 Degree	4233	-2116.5	2116.5	-6.74	Pass

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

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
10 Degree	4132	-2066	2066	-7.91	Pass
10 Degree	4182	-2091	2091	-7.05	Pass
10 Degree	4233	-2116.5	2116.5	-7.96	Pass

3.4. WCDMA Frequency Stability_Part22-24-27(20 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
20 Degree	4132	-2066	2066	-6.87	Pass
20 Degree	4182	-2091	2091	-6.29	Pass
20 Degree	4233	-2116.5	2116.5	-7.36	Pass

3.5. WCDMA Frequency Stability_Part22-24-27(25 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
25 Degree	4132	-2066	2066	-9.34	Pass
25 Degree	4182	-2091	2091	-6.9	Pass
25 Degree	4233	-2116.5	2116.5	-9.2	Pass

3.6. WCDMA Frequency Stability_Part22-24-27(30 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
30 Degree	4132	-2066	2066	-7.76	Pass
30 Degree	4182	-2091	2091	-7.2	Pass
30 Degree	4233	-2116.5	2116.5	-5.76	Pass

3.7. WCDMA Frequency Stability_Part22-24-27(40 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
40 Degree	4132	-2066	2066	-8.1	Pass
40 Degree	4182	-2091	2091	-7.5	Pass
40 Degree	4233	-2116.5	2116.5	-5.82	Pass

3.8. WCDMA Frequency Stability_Part22-24-27(50 Degree)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
50 Degree	4132	-2066	2066	-8.6	Pass
50 Degree	4182	-2091	2091	-7.15	Pass
50 Degree	4233	-2116.5	2116.5	-6.82	Pass

3.9. WCDMA Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTHV	4132	-2066	2066	-9.04	Pass
NTHV	4182	-2091	2091	-6.92	Pass
NTHV	4233	-2116.5	2116.5	-7.93	Pass

3.10. WCDMA Frequency Stability_Part22-24-27(NTLV)

Test Environment	UL Channel	Lower Limit (Hz)	Upper Limit (Hz)	Measured (Hz)	Verdict
NTLV	4132	-2066	2066	-8.23	Pass
NTLV	4182	-2091	2091	-7.29	Pass
NTLV	4233	-2116.5	2116.5	-6.34	Pass

1. LTE_Band2

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	-4.66	Pass
-10 Degree	18900	10	16QAM	50	0	-4700	4700	-4.35	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	-2.65	Pass
0 Degree	18900	10	16QAM	50	0	-4700	4700	-0.89	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	-3.26	Pass
10 Degree	18900	10	16QAM	50	0	-4700	4700	0.24	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	-4.12	Pass
20 Degree	18900	10	16QAM	50	0	-4700	4700	-4.61	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	-3.13	Pass
25 Degree	18900	10	16QAM	50	0	-4700	4700	-3.6	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	-3.59	Pass
30 Degree	18900	10	16QAM	50	0	-4700	4700	-1.6	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	-3.43	Pass
40 Degree	18900	10	16QAM	50	0	-4700	4700	-7	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	-3.75	Pass
50 Degree	18900	10	16QAM	50	0	-4700	4700	-6.82	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	-1.76	Pass
NTHV	18900	10	16QAM	50	0	-4700	4700	-1.44	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	-0.09	Pass
NTLV	18900	10	16QAM	50	0	-4700	4700	1.95	Pass

2. LTE_Band4

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	-3.33	Pass
-10 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-3.62	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	1.67	Pass
0 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-4.12	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	-2.02	Pass
10 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-3.48	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	-2.8	Pass
20 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-3.79	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	-2.88	Pass
25 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-1.9	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	1.4	Pass
30 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-3.13	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	-0.93	Pass
40 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-3.39	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	-3.5	Pass
50 Degree	20175	10	16QAM	50	0	-4331.25	4331.25	-0.27	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	1.32	Pass
NTHV	20175	10	16QAM	50	0	-4331.25	4331.25	0.7	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	-0.59	Pass
NTLV	20175	10	16QAM	50	0	-4331.25	4331.25	-1.92	Pass

3. LTE_Band5

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	-1.66	Pass
-10 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-3.3	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	-8.77	Pass
0 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-2.15	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	-5.82	Pass
10 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-6.22	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	-3.89	Pass
20 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-3.13	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	-2.83	Pass
25 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-6.02	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	-1.39	Pass
30 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-4.38	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	-5.12	Pass
40 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-2.36	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	-3.29	Pass
50 Degree	20525	10	16QAM	50	0	-2091.25	2091.25	-6.17	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	-6.28	Pass
NTHV	20525	10	16QAM	50	0	-2091.25	2091.25	-4.16	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	-5.65	Pass
NTLV	20525	10	16QAM	50	0	-2091.25	2091.25	-4.84	Pass

4. LTE_Band7

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	21100	10	QPSK	50	0	-6337.5	6337.5	-1.62	Pass
-10 Degree	21100	10	16QAM	50	0	-6337.5	6337.5	-10.47	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	21100	10	QPSK	50	0	-6337.5	6337.5	-5.76	Pass
0 Degree	21100	10	16QAM	50	0	-6337.5	6337.5	-0.97	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	21100	10	QPSK	50	0	-6337.5	6337.5	-11.62	Pass
10 Degree	21100	10	16QAM	50	0	-6337.5	6337.5	-5.15	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	21100	10	QPSK	50	0	-6337.5	6337.5	-11.54	Pass
20 Degree	21100	10	16QAM	50	0	-6337.5	6337.5	1.12	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	21100	10	QPSK	50	0	-6337.5	6337.5	4.28	Pass
25 Degree	21100	10	16QAM	50	0	-6337.5	6337.5	-7.57	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	21100	10	QPSK	50	0	-6337.5	6337.5	1.27	Pass
30 Degree	21100	10	16QAM	50	0	-6337.5	6337.5	-3.2	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	21100	10	QPSK	50	0	-6337.5	6337.5	-7.67	Pass
40 Degree	21100	10	16QAM	50	0	-6337.5	6337.5	1.37	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	21100	10	QPSK	50	0	-6337.5	6337.5	-1.86	Pass
50 Degree	21100	10	16QAM	50	0	-6337.5	6337.5	-7.21	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	21100	10	QPSK	50	0	-6337.5	6337.5	-0.79	Pass
NTHV	21100	10	16QAM	50	0	-6337.5	6337.5	-2.19	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	21100	10	QPSK	50	0	-6337.5	6337.5	-1.14	Pass
NTLV	21100	10	16QAM	50	0	-6337.5	6337.5	0.5	Pass

5. LTE_Band38

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	38000	10	QPSK	50	0	-6487.5	6487.5	-6.24	Pass
-10 Degree	38000	10	16QAM	50	0	-6487.5	6487.5	2.32	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	38000	10	QPSK	50	0	-6487.5	6487.5	-3.16	Pass
0 Degree	38000	10	16QAM	50	0	-6487.5	6487.5	-3.58	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	38000	10	QPSK	50	0	-6487.5	6487.5	-1.89	Pass
10 Degree	38000	10	16QAM	50	0	-6487.5	6487.5	4.11	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	38000	10	QPSK	50	0	-6487.5	6487.5	-1.03	Pass
20 Degree	38000	10	16QAM	50	0	-6487.5	6487.5	0.97	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	38000	10	QPSK	50	0	-6487.5	6487.5	0.87	Pass
25 Degree	38000	10	16QAM	50	0	-6487.5	6487.5	4.88	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	38000	10	QPSK	50	0	-6487.5	6487.5	-0.53	Pass
30 Degree	38000	10	16QAM	50	0	-6487.5	6487.5	-4.79	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	38000	10	QPSK	50	0	-6487.5	6487.5	1.39	Pass
40 Degree	38000	10	16QAM	50	0	-6487.5	6487.5	-7.12	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	38000	10	QPSK	50	0	-6487.5	6487.5	-2.56	Pass
50 Degree	38000	10	16QAM	50	0	-6487.5	6487.5	1.43	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	38000	10	QPSK	50	0	-6487.5	6487.5	-2.99	Pass
NTHV	38000	10	16QAM	50	0	-6487.5	6487.5	-2.6	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	38000	10	QPSK	50	0	-6487.5	6487.5	-1.07	Pass
NTLV	38000	10	16QAM	50	0	-6487.5	6487.5	5.62	Pass

6. LTE_Band41 120M

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	40640	10	QPSK	50	0	-6487.5	6487.5	2.26	Pass
-10 Degree	40640	10	16QAM	50	0	-6487.5	6487.5	2.03	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	40640	10	QPSK	50	0	-6487.5	6487.5	-1.24	Pass
0 Degree	40640	10	16QAM	50	0	-6487.5	6487.5	-3.58	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	40640	10	QPSK	50	0	-6487.5	6487.5	2.53	Pass
10 Degree	40640	10	16QAM	50	0	-6487.5	6487.5	-3.35	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	40640	10	QPSK	50	0	-6487.5	6487.5	-0.79	Pass
20 Degree	40640	10	16QAM	50	0	-6487.5	6487.5	1.99	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	40640	10	QPSK	50	0	-6487.5	6487.5	-5.16	Pass
25 Degree	40640	10	16QAM	50	0	-6487.5	6487.5	-4.55	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	40640	10	QPSK	50	0	-6487.5	6487.5	-2.88	Pass
30 Degree	40640	10	16QAM	50	0	-6487.5	6487.5	1.69	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	40640	10	QPSK	50	0	-6487.5	6487.5	2.36	Pass
40 Degree	40640	10	16QAM	50	0	-6487.5	6487.5	-2.05	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	40640	10	QPSK	50	0	-6487.5	6487.5	1.24	Pass
50 Degree	40640	10	16QAM	50	0	-6487.5	6487.5	0.84	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	40640	10	QPSK	50	0	-6487.5	6487.5	-3.23	Pass
NTHV	40640	10	16QAM	50	0	-6487.5	6487.5	0.7	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	40640	10	QPSK	50	0	-6487.5	6487.5	0.93	Pass
NTLV	40640	10	16QAM	50	0	-6487.5	6487.5	0.46	Pass

1. CA_2C

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-2.69	-4693.75	4693.75	Pass
-10 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-3.65	-4723	4723	Pass
-10 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	1.49	-4693.75	4693.75	Pass
-10 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	-2.82	-4723	4723	Pass
-10 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-3.4	-4675.25	4675.25	Pass
-10 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	-0.07	-4724.75	4724.75	Pass
-10 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	-2.52	-4675.25	4675.25	Pass
-10 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	-1.12	-4724.75	4724.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	0.67	-4693.75	4693.75	Pass
0 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-1.72	-4723	4723	Pass
0 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	-4.45	-4693.75	4693.75	Pass
0 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	-2.33	-4723	4723	Pass
0 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-2.47	-4675.25	4675.25	Pass
0 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	-2.55	-4724.75	4724.75	Pass
0 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	-1.24	-4675.25	4675.25	Pass
0 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	-0.3	-4724.75	4724.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-5.65	-4693.75	4693.75	Pass
10 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-4.26	-4723	4723	Pass
10 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	-4.06	-4693.75	4693.75	Pass
10 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	-3.45	-4723	4723	Pass
10 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-7.7	-4675.25	4675.25	Pass
10 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	-6.21	-4724.75	4724.75	Pass
10 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	0.54	-4675.25	4675.25	Pass
10 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	4.95	-4724.75	4724.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-3.92	-4693.75	4693.75	Pass
20 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-2.79	-4723	4723	Pass
20 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	-4.15	-4693.75	4693.75	Pass
20 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	-1	-4723	4723	Pass
20 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-5.66	-4675.25	4675.25	Pass
20 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	1.85	-4724.75	4724.75	Pass
20 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	-1.3	-4675.25	4675.25	Pass
20 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	-2.98	-4724.75	4724.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-6.05	-4693.75	4693.75	Pass
25 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	0.09	-4723	4723	Pass
25 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	-3.45	-4693.75	4693.75	Pass
25 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	0.93	-4723	4723	Pass
25 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-2.7	-4675.25	4675.25	Pass
25 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	-2.26	-4724.75	4724.75	Pass
25 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	-1.12	-4675.25	4675.25	Pass
25 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	-0.63	-4724.75	4724.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-2.06	-4693.75	4693.75	Pass
30 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-5.88	-4723	4723	Pass
30 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	3.6	-4693.75	4693.75	Pass
30 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	2.35	-4723	4723	Pass
30 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-4.08	-4675.25	4675.25	Pass
30 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	-0.69	-4724.75	4724.75	Pass
30 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	4.28	-4675.25	4675.25	Pass
30 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	1.53	-4724.75	4724.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-1.43	-4693.75	4693.75	Pass
40 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-0.26	-4723	4723	Pass
40 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	-0.73	-4693.75	4693.75	Pass
40 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	-0.6	-4723	4723	Pass
40 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-6.94	-4675.25	4675.25	Pass
40 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	0.37	-4724.75	4724.75	Pass
40 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	2.46	-4675.25	4675.25	Pass
40 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	-3.83	-4724.75	4724.75	Pass

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

Test Environm ent	UL Chan nel	Bandwi dth (MHz)	UL Modulati on	UL RB Numb er	UL RB Positi on	Test Carri er	Measur ed (Hz)	Lower Limit (Hz)	Uppe r Limit (Hz)	Verdi ct
50 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-0.44	-4693.75	4693.75	Pass
50 Degree	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-3.68	-4723	4723	Pass
50 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	2.43	-4693.75	4693.75	Pass
50 Degree	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	0.43	-4723	4723	Pass
50 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-0.44	-4675.25	4675.25	Pass
50 Degree	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	2.13	-4724.75	4724.75	Pass
50 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	-0.07	-4675.25	4675.25	Pass
50 Degree	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	-3.12	-4724.75	4724.75	Pass

1.9. LTE-A Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-4.76	-4693.75	4693.75	Pass
NTHV	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-1.57	-4723	4723	Pass
NTHV	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	0.86	-4693.75	4693.75	Pass
NTHV	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	0.74	-4723	4723	Pass
NTHV	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-4.59	-4675.25	4675.25	Pass
NTHV	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	-2.15	-4724.75	4724.75	Pass
NTHV	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	-0.72	-4675.25	4675.25	Pass
NTHV	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	-2.39	-4724.75	4724.75	Pass

1.10. LTE-A Frequency Stability_Part22-24-27(NTLV)

Test Environm ent	UL Chan nel	Bandwi dth (MHz)	UL Modulati on	UL RB Numb er	UL RB Positi on	Test Carri er	Measur ed (Hz)	Lower Limit (Hz)	Uppe r Limit (Hz)	Verdi ct
NTLV	18875 18992	20 5	QPSK	Full Full	Low Low	PCC	-2.05	-4693.75	4693.75	Pass
NTLV	18875 18992	20 5	QPSK	Full Full	Low Low	SCC 1	-3.95	-4723	4723	Pass
NTLV	18875 18992	20 5	16QAM	Full Full	Low Low	PCC	1.54	-4693.75	4693.75	Pass
NTLV	18875 18992	20 5	16QAM	Full Full	Low Low	SCC 1	-2.95	-4723	4723	Pass
NTLV	18801 18999	20 20	QPSK	Full Full	Low Low	PCC	-6.72	-4675.25	4675.25	Pass
NTLV	18801 18999	20 20	QPSK	Full Full	Low Low	SCC 1	3.08	-4724.75	4724.75	Pass
NTLV	18801 18999	20 20	16QAM	Full Full	Low Low	PCC	-5.02	-4675.25	4675.25	Pass
NTLV	18801 18999	20 20	16QAM	Full Full	Low Low	SCC 1	1.65	-4724.75	4724.75	Pass

2. CA_5B

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	0.9	-2085	2085	Pass
-10 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-1.77	-2103	2103	Pass
-10 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-2.36	-2085	2085	Pass
-10 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-1.07	-2103	2103	Pass
-10 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-3.29	-2079	2079	Pass
-10 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-1.86	-2103.75	2103.75	Pass
-10 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	-0.64	-2079	2079	Pass
-10 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	-0.99	-2103.75	2103.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-5.26	-2085	2085	Pass
0 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-3.25	-2103	2103	Pass
0 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-0.36	-2085	2085	Pass
0 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-2.73	-2103	2103	Pass
0 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-4.05	-2079	2079	Pass
0 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-2.43	-2103.75	2103.75	Pass
0 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	-6.02	-2079	2079	Pass
0 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	-1.57	-2103.75	2103.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-4.85	-2085	2085	Pass
10 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-3.88	-2103	2103	Pass
10 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-0.29	-2085	2085	Pass
10 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-4.02	-2103	2103	Pass
10 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-7.78	-2079	2079	Pass
10 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-3.58	-2103.75	2103.75	Pass
10 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	-0.8	-2079	2079	Pass
10 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	-3.05	-2103.75	2103.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-0.26	-2085	2085	Pass
20 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-5.12	-2103	2103	Pass
20 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-4.42	-2085	2085	Pass
20 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-0.41	-2103	2103	Pass
20 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-5.56	-2079	2079	Pass
20 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-1.29	-2103.75	2103.75	Pass
20 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	-5.75	-2079	2079	Pass
20 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	-0.26	-2103.75	2103.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-2.05	-2085	2085	Pass
25 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-4.05	-2103	2103	Pass
25 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-3.65	-2085	2085	Pass
25 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-3.08	-2103	2103	Pass
25 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-3.93	-2079	2079	Pass
25 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-3.26	-2103.75	2103.75	Pass
25 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	1.5	-2079	2079	Pass
25 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	-2.78	-2103.75	2103.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-4.91	-2085	2085	Pass
30 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-3.49	-2103	2103	Pass
30 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-0.99	-2085	2085	Pass
30 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-0.46	-2103	2103	Pass
30 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-3.92	-2079	2079	Pass
30 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-3.36	-2103.75	2103.75	Pass
30 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	-3.62	-2079	2079	Pass
30 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	-1.65	-2103.75	2103.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-2.65	-2085	2085	Pass
40 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-8.45	-2103	2103	Pass
40 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-5.04	-2085	2085	Pass
40 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-3.18	-2103	2103	Pass
40 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-4.16	-2079	2079	Pass
40 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-0.4	-2103.75	2103.75	Pass
40 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	0.43	-2079	2079	Pass
40 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	0.86	-2103.75	2103.75	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-2.93	-2085	2085	Pass
50 Degree	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-5.26	-2103	2103	Pass
50 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-5.08	-2085	2085	Pass
50 Degree	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-3.38	-2103	2103	Pass
50 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-0.74	-2079	2079	Pass
50 Degree	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-0.67	-2103.75	2103.75	Pass
50 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	-1.37	-2079	2079	Pass
50 Degree	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	1.62	-2103.75	2103.75	Pass

2.9. LTE-A Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-3.96	-2085	2085	Pass
NTHV	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-2.73	-2103	2103	Pass
NTHV	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-2.26	-2085	2085	Pass
NTHV	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-2.89	-2103	2103	Pass
NTHV	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-2.53	-2079	2079	Pass
NTHV	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-1.86	-2103.75	2103.75	Pass
NTHV	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	0.17	-2079	2079	Pass
NTHV	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	-0.2	-2103.75	2103.75	Pass

2.10. LTE-A Frequency Stability_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTLV	20500 20572	10 5	QPSK	Full Full	Low Low	PCC	-1.86	-2085	2085	Pass
NTLV	20500 20572	10 5	QPSK	Full Full	Low Low	SCC 1	-1.56	-2103	2103	Pass
NTLV	20500 20572	10 5	16QAM	Full Full	Low Low	PCC	-1.83	-2085	2085	Pass
NTLV	20500 20572	10 5	16QAM	Full Full	Low Low	SCC 1	-4.75	-2103	2103	Pass
NTLV	20476 20575	10 10	QPSK	Full Full	Low Low	PCC	-0.82	-2079	2079	Pass
NTLV	20476 20575	10 10	QPSK	Full Full	Low Low	SCC 1	-2.75	-2103.75	2103.75	Pass
NTLV	20476 20575	10 10	16QAM	Full Full	Low Low	PCC	0.67	-2079	2079	Pass
NTLV	20476 20575	10 10	16QAM	Full Full	Low Low	SCC 1	-4.48	-2103.75	2103.75	Pass

3. CA_7C

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-3.18	-6325.25	6325.25	Pass
-10 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	-11.87	-6361.25	6361.25	Pass
-10 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-0.59	-6325.25	6325.25	Pass
-10 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	-4.13	-6361.25	6361.25	Pass
-10 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	-7.47	-6312.75	6312.75	Pass
-10 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	-4.75	-6362.25	6362.25	Pass
-10 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-3.23	-6312.75	6312.75	Pass
-10 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-8.03	-6362.25	6362.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-6.98	-6325.25	6325.25	Pass
0 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	-1.79	-6361.25	6361.25	Pass
0 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-1.54	-6325.25	6325.25	Pass
0 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	-8.11	-6361.25	6361.25	Pass
0 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	-5.11	-6312.75	6312.75	Pass
0 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	1.73	-6362.25	6362.25	Pass
0 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-4.12	-6312.75	6312.75	Pass
0 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-6.24	-6362.25	6362.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-1.54	-6325.25	6325.25	Pass
10 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	-6.52	-6361.25	6361.25	Pass
10 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-0.04	-6325.25	6325.25	Pass
10 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	-8.58	-6361.25	6361.25	Pass
10 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	-2.27	-6312.75	6312.75	Pass
10 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	-10.17	-6362.25	6362.25	Pass
10 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	1.22	-6312.75	6312.75	Pass
10 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-3.02	-6362.25	6362.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-0.27	-6325.25	6325.25	Pass
20 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	1.36	-6361.25	6361.25	Pass
20 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-0.21	-6325.25	6325.25	Pass
20 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	0.54	-6361.25	6361.25	Pass
20 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	-11.23	-6312.75	6312.75	Pass
20 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	-5.36	-6362.25	6362.25	Pass
20 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-8.31	-6312.75	6312.75	Pass
20 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-0.87	-6362.25	6362.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-10.8	-6325.25	6325.25	Pass
25 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	-0.83	-6361.25	6361.25	Pass
25 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-4.28	-6325.25	6325.25	Pass
25 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	-0.89	-6361.25	6361.25	Pass
25 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	3.86	-6312.75	6312.75	Pass
25 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	2.03	-6362.25	6362.25	Pass
25 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-7.17	-6312.75	6312.75	Pass
25 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-3.35	-6362.25	6362.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-7.02	-6325.25	6325.25	Pass
30 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	-6.87	-6361.25	6361.25	Pass
30 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-13.35	-6325.25	6325.25	Pass
30 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	-6.12	-6361.25	6361.25	Pass
30 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	-0.49	-6312.75	6312.75	Pass
30 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	-4.13	-6362.25	6362.25	Pass
30 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-3.73	-6312.75	6312.75	Pass
30 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-12.76	-6362.25	6362.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	5.31	-6325.25	6325.25	Pass
40 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	-0.4	-6361.25	6361.25	Pass
40 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-3.73	-6325.25	6325.25	Pass
40 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	-4.58	-6361.25	6361.25	Pass
40 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	1.7	-6312.75	6312.75	Pass
40 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	-5.16	-6362.25	6362.25	Pass
40 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-8.68	-6312.75	6312.75	Pass
40 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	0.44	-6362.25	6362.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-4.98	-6325.25	6325.25	Pass
50 Degree	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	1.22	-6361.25	6361.25	Pass
50 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-7.85	-6325.25	6325.25	Pass
50 Degree	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	-6.72	-6361.25	6361.25	Pass
50 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	-13.32	-6312.75	6312.75	Pass
50 Degree	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	-1.24	-6362.25	6362.25	Pass
50 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-5.46	-6312.75	6312.75	Pass
50 Degree	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-1.16	-6362.25	6362.25	Pass

3.9. LTE-A Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-13.19	-6325.25	6325.25	Pass
NTHV	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	-2.3	-6361.25	6361.25	Pass
NTHV	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	-6.84	-6325.25	6325.25	Pass
NTHV	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	1.14	-6361.25	6361.25	Pass
NTHV	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	-7.5	-6312.75	6312.75	Pass
NTHV	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	-0.9	-6362.25	6362.25	Pass
NTHV	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-2.76	-6312.75	6312.75	Pass
NTHV	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-2.52	-6362.25	6362.25	Pass

3.10. LTE-A Frequency Stability_Part22-24-27(NTLV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTLV	21051 21195	20 10	QPSK	Full Full	Low Low	PCC	-8.03	-6325.25	6325.25	Pass
NTLV	21051 21195	20 10	QPSK	Full Full	Low Low	SCC 1	-5.81	-6361.25	6361.25	Pass
NTLV	21051 21195	20 10	16QAM	Full Full	Low Low	PCC	9.78	-6325.25	6325.25	Pass
NTLV	21051 21195	20 10	16QAM	Full Full	Low Low	SCC 1	-7.24	-6361.25	6361.25	Pass
NTLV	21001 21199	20 20	QPSK	Full Full	Low Low	PCC	-9.83	-6312.75	6312.75	Pass
NTLV	21001 21199	20 20	QPSK	Full Full	Low Low	SCC 1	-6.47	-6362.25	6362.25	Pass
NTLV	21001 21199	20 20	16QAM	Full Full	Low Low	PCC	-4.49	-6312.75	6312.75	Pass
NTLV	21001 21199	20 20	16QAM	Full Full	Low Low	SCC 1	-8.28	-6362.25	6362.25	Pass

4. CA_38C

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

Test Environm ent	UL Chann el	Bandwid th (MHz)	UL Modulati on	UL RB Numb er	UL RB Positi on	Test Carri er	Measur ed (Hz)	Low er Limit (Hz)	Upp er Limi t (Hz)	Verdi ct
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4.2. LTE-A Frequency Stability_Part22-24-27(-10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-12.02	-6468.75	6468.75	Pass
-10 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-7.88	-6506.25	6506.25	Pass
-10 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-2.89	-6468.75	6468.75	Pass
-10 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-5.81	-6506.25	6506.25	Pass
-10 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-6.65	-6462.75	6462.75	Pass
-10 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-5.95	-6512.25	6512.25	Pass
-10 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	-3	-6462.75	6462.75	Pass
-10 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-2.12	-6512.25	6512.25	Pass

4.3. LTE-A Frequency Stability_Part22-24-27(0 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-7.25	-6468.75	6468.75	Pass
0 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-4.51	-6506.25	6506.25	Pass
0 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-0.66	-6468.75	6468.75	Pass
0 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	0.93	-6506.25	6506.25	Pass
0 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-3.13	-6462.75	6462.75	Pass
0 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-2.46	-6512.25	6512.25	Pass
0 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	-2.8	-6462.75	6462.75	Pass
0 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-3.68	-6512.25	6512.25	Pass

4.4. LTE-A Frequency Stability_Part22-24-27(10 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-6.24	-6468.75	6468.75	Pass
10 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-2.17	-6506.25	6506.25	Pass
10 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	2.07	-6468.75	6468.75	Pass
10 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-7.51	-6506.25	6506.25	Pass
10 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-6.39	-6462.75	6462.75	Pass
10 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-9.64	-6512.25	6512.25	Pass
10 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	-2.13	-6462.75	6462.75	Pass
10 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-5.46	-6512.25	6512.25	Pass

4.5. LTE-A Frequency Stability_Part22-24-27(20 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-2.59	-6468.75	6468.75	Pass
20 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-1.82	-6506.25	6506.25	Pass
20 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-1.43	-6468.75	6468.75	Pass
20 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-10.8	-6506.25	6506.25	Pass
20 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-8.96	-6462.75	6462.75	Pass
20 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-5.89	-6512.25	6512.25	Pass
20 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	-4.22	-6462.75	6462.75	Pass
20 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-6.08	-6512.25	6512.25	Pass

4.6. LTE-A Frequency Stability_Part22-24-27(25 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-3.48	-6468.75	6468.75	Pass
25 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-2.05	-6506.25	6506.25	Pass
25 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-2.6	-6468.75	6468.75	Pass
25 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-2.75	-6506.25	6506.25	Pass
25 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-4.28	-6462.75	6462.75	Pass
25 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-10.99	-6512.25	6512.25	Pass
25 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	-0.82	-6462.75	6462.75	Pass
25 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-1.04	-6512.25	6512.25	Pass

4.7. LTE-A Frequency Stability_Part22-24-27(30 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-6.21	-6468.75	6468.75	Pass
30 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-0.39	-6506.25	6506.25	Pass
30 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-8.3	-6468.75	6468.75	Pass
30 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-7.24	-6506.25	6506.25	Pass
30 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-7.48	-6462.75	6462.75	Pass
30 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-3.32	-6512.25	6512.25	Pass
30 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	0.16	-6462.75	6462.75	Pass
30 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-2.3	-6512.25	6512.25	Pass

4.8. LTE-A Frequency Stability_Part22-24-27(40 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-7.84	-6468.75	6468.75	Pass
40 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-2.12	-6506.25	6506.25	Pass
40 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-4.98	-6468.75	6468.75	Pass
40 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-3.02	-6506.25	6506.25	Pass
40 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-3.88	-6462.75	6462.75	Pass
40 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-5.41	-6512.25	6512.25	Pass
40 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	-6.02	-6462.75	6462.75	Pass
40 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-6.79	-6512.25	6512.25	Pass

4.9. LTE-A Frequency Stability_Part22-24-27(50 Degree)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-5.39	-6468.75	6468.75	Pass
50 Degree	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-5.21	-6506.25	6506.25	Pass
50 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-4.35	-6468.75	6468.75	Pass
50 Degree	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-1.82	-6506.25	6506.25	Pass
50 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-10.23	-6462.75	6462.75	Pass
50 Degree	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-11.39	-6512.25	6512.25	Pass
50 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	-8.55	-6462.75	6462.75	Pass
50 Degree	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-6.15	-6512.25	6512.25	Pass

4.10. LTE-A Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-7.25	-6468.75	6468.75	Pass
NTHV	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-4.31	-6506.25	6506.25	Pass
NTHV	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-2.06	-6468.75	6468.75	Pass
NTHV	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-4.62	-6506.25	6506.25	Pass
NTHV	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-6.47	-6462.75	6462.75	Pass
NTHV	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-9.93	-6512.25	6512.25	Pass
NTHV	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	-7.74	-6462.75	6462.75	Pass
NTHV	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-3.2	-6512.25	6512.25	Pass

4.11. LTE-A Frequency Stability_Part22-24-27(NTLV)

Test Environm ent	UL Chan nel	Bandwi dth (MHz)	UL Modulati on	UL RB Numb er	UL RB Positi on	Test Carri er	Measur ed (Hz)	Lower Limit (Hz)	Uppe r Limit (Hz)	Verdi ct
NTLV	37925 38075	15 15	QPSK	Full Full	Low Low	PCC	-8.55	-6468.75	6468.75	Pass
NTLV	37925 38075	15 15	QPSK	Full Full	Low Low	SCC 1	-3.6	-6506.25	6506.25	Pass
NTLV	37925 38075	15 15	16QAM	Full Full	Low Low	PCC	-4.49	-6468.75	6468.75	Pass
NTLV	37925 38075	15 15	16QAM	Full Full	Low Low	SCC 1	-6.22	-6506.25	6506.25	Pass
NTLV	37901 38099	20 20	QPSK	Full Full	Low Low	PCC	-0.56	-6462.75	6462.75	Pass
NTLV	37901 38099	20 20	QPSK	Full Full	Low Low	SCC 1	-2.69	-6512.25	6512.25	Pass
NTLV	37901 38099	20 20	16QAM	Full Full	Low Low	PCC	1.07	-6462.75	6462.75	Pass
NTLV	37901 38099	20 20	16QAM	Full Full	Low Low	SCC 1	-7.47	-6512.25	6512.25	Pass

5. CA_41C_2535-2655

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
-10 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	-7.6	-6481.25	6481.25	Pass
-10 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-0.53	-6510.5	6510.5	Pass
-10 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	-1.06	-6481.25	6481.25	Pass
-10 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	-4.05	-6510.5	6510.5	Pass
-10 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-12.49	-6462.75	6462.75	Pass
-10 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-0.49	-6512.25	6512.25	Pass
-10 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-7.54	-6462.75	6462.75	Pass
-10 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-2.47	-6512.25	6512.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
0 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	-0.01	-6481.25	6481.25	Pass
0 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-2.72	-6510.5	6510.5	Pass
0 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	-2.07	-6481.25	6481.25	Pass
0 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	-3.2	-6510.5	6510.5	Pass
0 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-3.1	-6462.75	6462.75	Pass
0 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-7.88	-6512.25	6512.25	Pass
0 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-8.38	-6462.75	6462.75	Pass
0 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-3.08	-6512.25	6512.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
10 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	-1.36	-6481.25	6481.25	Pass
10 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-6.21	-6510.5	6510.5	Pass
10 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	0.69	-6481.25	6481.25	Pass
10 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	-1	-6510.5	6510.5	Pass
10 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-5.72	-6462.75	6462.75	Pass
10 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-5.64	-6512.25	6512.25	Pass
10 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-11.37	-6462.75	6462.75	Pass
10 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-4.73	-6512.25	6512.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
20 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	-0.1	-6481.25	6481.25	Pass
20 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-0.3	-6510.5	6510.5	Pass
20 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	0.93	-6481.25	6481.25	Pass
20 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	6.27	-6510.5	6510.5	Pass
20 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-4.62	-6462.75	6462.75	Pass
20 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-8.45	-6512.25	6512.25	Pass
20 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-1.22	-6462.75	6462.75	Pass
20 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-9.71	-6512.25	6512.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
25 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	-3.03	-6481.25	6481.25	Pass
25 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-1.89	-6510.5	6510.5	Pass
25 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	-0.73	-6481.25	6481.25	Pass
25 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	1.07	-6510.5	6510.5	Pass
25 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-0.64	-6462.75	6462.75	Pass
25 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-2.03	-6512.25	6512.25	Pass
25 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-6.82	-6462.75	6462.75	Pass
25 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-1.39	-6512.25	6512.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
30 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	0.99	-6481.25	6481.25	Pass
30 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-5.15	-6510.5	6510.5	Pass
30 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	0.57	-6481.25	6481.25	Pass
30 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	-8.83	-6510.5	6510.5	Pass
30 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-5.66	-6462.75	6462.75	Pass
30 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-0.51	-6512.25	6512.25	Pass
30 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-1.3	-6462.75	6462.75	Pass
30 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-3.6	-6512.25	6512.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
40 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	0.41	-6481.25	6481.25	Pass
40 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-9.34	-6510.5	6510.5	Pass
40 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	2.19	-6481.25	6481.25	Pass
40 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	-0.01	-6510.5	6510.5	Pass
40 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-5.81	-6462.75	6462.75	Pass
40 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-3.82	-6512.25	6512.25	Pass
40 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-7.38	-6462.75	6462.75	Pass
40 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-2.95	-6512.25	6512.25	Pass

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

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
50 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	-2.62	-6481.25	6481.25	Pass
50 Degree	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-3.42	-6510.5	6510.5	Pass
50 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	-7.6	-6481.25	6481.25	Pass
50 Degree	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	-2.12	-6510.5	6510.5	Pass
50 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	1.1	-6462.75	6462.75	Pass
50 Degree	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-9.24	-6512.25	6512.25	Pass
50 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-0.83	-6462.75	6462.75	Pass
50 Degree	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-1.59	-6512.25	6512.25	Pass

5.9. LTE-A Frequency Stability_Part22-24-27(NTHV)

Test Environment	UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Test Carrier	Measured (Hz)	Lower Limit (Hz)	Upper Limit (Hz)	Verdict
NTHV	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	-5.14	-6481.25	6481.25	Pass
NTHV	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-1.77	-6510.5	6510.5	Pass
NTHV	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	-5.65	-6481.25	6481.25	Pass
NTHV	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	0.93	-6510.5	6510.5	Pass
NTHV	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-7.7	-6462.75	6462.75	Pass
NTHV	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-2.56	-6512.25	6512.25	Pass
NTHV	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-7.7	-6462.75	6462.75	Pass
NTHV	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-4.43	-6512.25	6512.25	Pass

5.10. LTE-A Frequency Stability_Part22-24-27(NTLV)

Test Environm ent	UL Chan nel	Bandwi dth (MHz)	UL Modulati on	UL RB Numb er	UL RB Positi on	Test Carri er	Measur ed (Hz)	Lower Limit (Hz)	Uppe r Limit (Hz)	Verdi ct
NTLV	40615 40732	20 5	QPSK	Full Full	Low Low	PCC	-4.29	-6481.25	6481.25	Pass
NTLV	40615 40732	20 5	QPSK	Full Full	Low Low	SCC 1	-4.19	-6510.5	6510.5	Pass
NTLV	40615 40732	20 5	16QAM	Full Full	Low Low	PCC	-6.42	-6481.25	6481.25	Pass
NTLV	40615 40732	20 5	16QAM	Full Full	Low Low	SCC 1	-0.67	-6510.5	6510.5	Pass
NTLV	40541 40739	20 20	QPSK	Full Full	Low Low	PCC	-3.35	-6462.75	6462.75	Pass
NTLV	40541 40739	20 20	QPSK	Full Full	Low Low	SCC 1	-10.84	-6512.25	6512.25	Pass
NTLV	40541 40739	20 20	16QAM	Full Full	Low Low	PCC	-7.72	-6462.75	6462.75	Pass
NTLV	40541 40739	20 20	16QAM	Full Full	Low Low	SCC 1	-5.94	-6512.25	6512.25	Pass

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