

LTE band 66/4 at middle channel

Reference Frequency: 1 745.0 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	-5.50	0.000 00
40		7.90	0.007 68
30		-3.40	0.001 20
20(Ref.)		-5.50	-
10		5.00	0.006 02
0		9.70	0.008 71
-10		-6.80	-0.000 74
-20		5.90	0.006 53
-30		12.00	0.010 03
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	8.20	0.007 85
	4.72 (115%)	-3.70	0.001 03

LTE band 26/5 at middle channel_Part 22

Reference Frequency: 836.5 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	-22.20	-0.020 56
40		-2.50	0.002 99
30		-0.60	0.005 26
20(Ref.)		-5.00	-
10		2.00	0.008 37
0		-5.00	0.000 00
-10		2.70	0.009 21
-20		5.00	0.011 95
-30		-1.20	0.004 54
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	11.30	0.019 49
	4.72 (115%)	-7.30	-0.002 75

LTE band 7 at middle channel

Reference Frequency: 2 535.0 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	13.90	0.004 50
40		-13.40	-0.006 27
30		-5.60	-0.003 20
20(Ref.)		2.50	-
10		0.80	-0.000 67
0		6.30	0.001 50
-10		0.80	-0.000 67
-20		1.20	-0.000 51
-30		-1.90	-0.001 74
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	3.60	0.000 43
	4.72 (115%)	1.50	-0.000 39

LTE band 12/17 at middle channel

Reference Frequency: 707.5 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	-4.90	-0.006 22
40		9.80	0.014 56
30		-0.90	-0.000 57
20(Ref.)		-0.50	-
10		-1.00	-0.000 71
0		-2.00	-0.002 12
-10		2.70	0.004 52
-20		3.90	0.006 22
-30		2.40	0.004 10
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	0.80	0.001 84
	4.72 (115%)	4.30	0.006 78

LTE band 13 at middle channel

Reference Frequency: 782 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	10.70	0.011 38
40		-5.70	-0.009 59
30		1.40	-0.000 51
20(Ref.)		1.80	-
10		17.00	0.019 44
0		-8.50	-0.013 17
-10		2.00	0.000 26
-20		4.40	0.003 32
-30		2.80	0.001 28
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	8.90	0.009 08
	4.72 (115%)	3.30	0.001 92

LTE band 26 at middle channel_Part 90

Reference Frequency: 819 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	-4.60	-0.024 66
40		3.90	-0.014 29
30		1.90	-0.016 73
20(Ref.)		15.60	-
10		7.20	-0.010 26
0		4.60	-0.013 43
-10		10.30	-0.006 47
-20		4.20	-0.013 92
-30		8.40	-0.008 79
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	4.70	-0.013 31
	4.72 (115%)	8.20	-0.009 04

LTE band 71 at middle channel

Reference Frequency: 680.5 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	7.90	0.015 87
40		5.20	0.011 90
30		-2.30	0.000 88
20(Ref.)		-2.90	-
10		2.10	0.007 35
0		8.60	0.016 90
-10		7.50	0.015 28
-20		4.00	0.010 14
-30		10.00	0.018 96
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	1.70	0.006 76
	4.72 (115%)	5.60	0.012 49

- End of the Test Report -