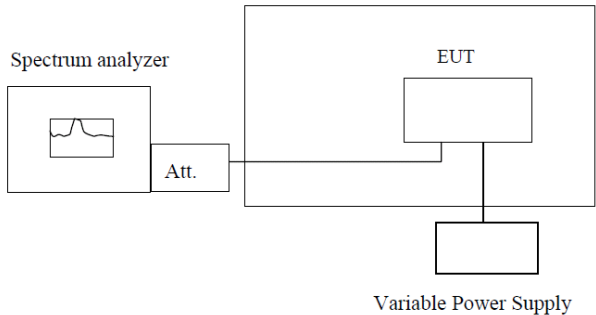


Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	11	0.0043	Within the authorized bands	Pass
	-10	17	0.0067		
	0	17	0.0067		
	10	-29	-0.0114		
	20	22	0.0087		
	30	5	0.0020		
	40	1	0.0004		
	50	4	0.0016		
	60	15	0.0059		
Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	13	0.0184	2.5	Pass
	-10	15	0.0212		
	0	14	0.0198		
	10	-27	-0.0382		
	20	17	0.0240		
	30	6	0.0085		
	40	-2	-0.0028		
	50	-3	-0.0042		
	60	16	0.0226		
Reference Frequency: LTE Band 13 Middle channel=23230 channel=782MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	14	0.0179	Within the authorized bands	24
	-10	16	0.0205		
	0	17	0.0217		
	10	-26	-0.0332		
	20	17	0.0217		
	30	10	0.0128		
	40	3	0.0038		
	50	3	0.0038		
	60	14	0.0179		

Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	14	0.0054	Within the authorized bands	Pass
	-10	21	0.0081		
	0	16	0.0062		
	10	-27	-0.0104		
	20	18	0.0069		
	30	5	0.0019		
	40	3	0.0012		
	50	1	0.0004		
	60	13	0.0050		

4.11 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part2.1055(d)(1)(2)
Test Method:	ANSI C63.26:2015
Limit:	2.5ppm Band II & Band VII should be within authorized band.
Test setup:	Temperature Chamber  Variable Power Supply Note : Measurement setup for testing on Antenna connector
Test procedure:	1. Set chamber temperature to 20°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass
Remark:	1. Manufacturer specified the battery operating end point voltage is 3.6VDC, max voltage is 4.2VDC. 2. If all frequencies stability are comply with the lower limit, then all results can be considered qualified

Measurement Data

Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	14	0.0074	within authorized band	Pass
	24	18	0.0096		
	36	17	0.0090		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	16	0.0092	2.5	Pass
	24	17	0.0098		
	36	14	0.0081		
Reference Frequency: LTE Band 5 Middle channel=20175 channel=836.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	12	0.0143	2.5	Pass
	24	15	0.0179		
	36	15	0.0179		
Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	18	0.0071	within authorized band	Pass
	24	11	0.0043		
	36	1	0.0004		

Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	-22	-0.0311	within authorized band	Pass
	24	22	0.0311		
	36	10	0.0141		
Reference Frequency: LTE Band 13 Middle channel=23230 channel=782MHz					
Temperature (°C)	Temperature (°C)	Temperature (°C)		Temperature (°C)	Temperature (°C)
		Hz	ppm		
25	9	17	0.0217	within authorized band	Pass
	24	-27	-0.0345		
	36	20	0.0256		
Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	10	0.0039	2.5	Pass
	24	15	0.0058		
	36	13	0.0050		

4.12 Test Setup Photo

Radiated Emission



-----END OF REPORT-----