Laboratory	Blue Star Engineering & Electronics Limited, Anjuman KEY ARR Tower, No.28, Ward No. 77, Mission Road, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electro-Technical Calibration	Issue Date	03.12.2015
Certificate Number	C- 0761	Valid Until	02.12.2017
Last Amended on	-	Page	1 of 3

	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I.	SOURCE			
1.	Frequency #	10 kHz to 6 GHz	0.1 ppm	Using Signal Generator by Direct Method
		1 Hz to 10 kHz	13 ppm to 58 ppm	Using Waveform Generator by Direct Method
2.	RF Power [#]	10 MHz to 6 GHz +13 dBm to -60 dBm	6 %	Using Signal Generator with Sensor by Direct Method
3.	AC Voltage [#]	10 Hz to 300 kHz 10 mV to 1 Vp-p	3% to 4.5%	Using Waveform Generator by Direct Method
4.	DC Voltage [#]	1 V to 650 V	2 %	Using DC Power Supply by Direct Method
5.	Amplitude Modulation [#] Frequency Rate Depth	10 MHz to 1.3 GHz 1 kHz to 20 kHz 10 % to 90 %	4 %	Using Signal generator & Modulation Meter by Comparison Method
6.	Frequency Modulation [#] Frequency Rate Deviation	10 MHz to 1.3 GHz 1 kHz to 20 kHz 1 kHz to 200 kHz	3 %	Using Modulation Meter by Comparison Method

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measuremer Capability (±)	t Remarks		
II.	MEASURE					
1.	Frequency #	10 Hz to 6 GHz	0.015 ppm to 0.06 ppm	Using Free by Dir	Using Frequency Counter by Direct Method	
2.	RF Power [#]	10 MHz to 6 GHz -60 dBm to +13 dBm	6 %	Using Pov Sensors by	Using Power meter with Sensors by Direct Method	
3.	AC Voltage [#]	1 kHz to 100 kHz 20 mV to 20 Vp-p	2 %	Using A Digital M Direc	Using Audio Analyzer Digital Multimeter by Direct Method	
4.	DC Voltage [#]	1 V to 650 V	6 % to 2 %	Using Dig Dir	Using Digital Multimeter by Direct Method	
5.	Amplitude Modulation [#] Frequency Rate Depth	10 MHz to 1.3 GHz 50 Hz to 50 kHz 10 % to 90 %	2.5 %	Using Mo Dir	Using Modulation Meter by Direct Method	
6.	Amplitude Modulation * Frequency Rate Depth	10 MHz to 1.3 GHz 1 kHz to 20 kHz 10 % to 90 %	4.2 %	Using Moo Dir	Using Modulation Meter by Direct Method	
7.	Frequency Modulation [#] Frequency Range Rate Deviation	10 MHz to 1.3 GHz 50 Hz to 50 kHz 1 kHz to 200 kHz	2 %	Using Mo Dir	dulation Meter by ect Method	

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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measuremer Capability (±)	nt R	emarks
8.	Frequency Modulation * Frequency Range Rate Deviation	10 MHz to 1.3 GHz 1 kHz to 20 kHz 1 kHz to 150 kHz	4.1 %	Using Moo Dir	dulation Meter by ect Method

* Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%

*Only for Site Calibration [#] The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.