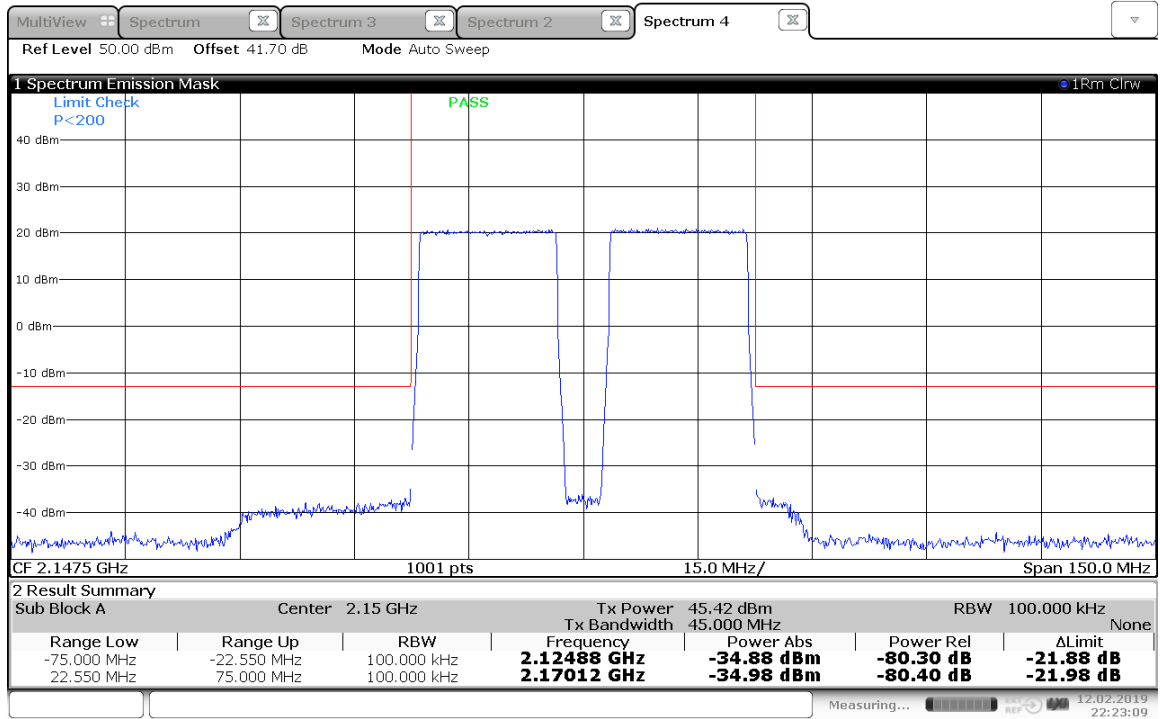
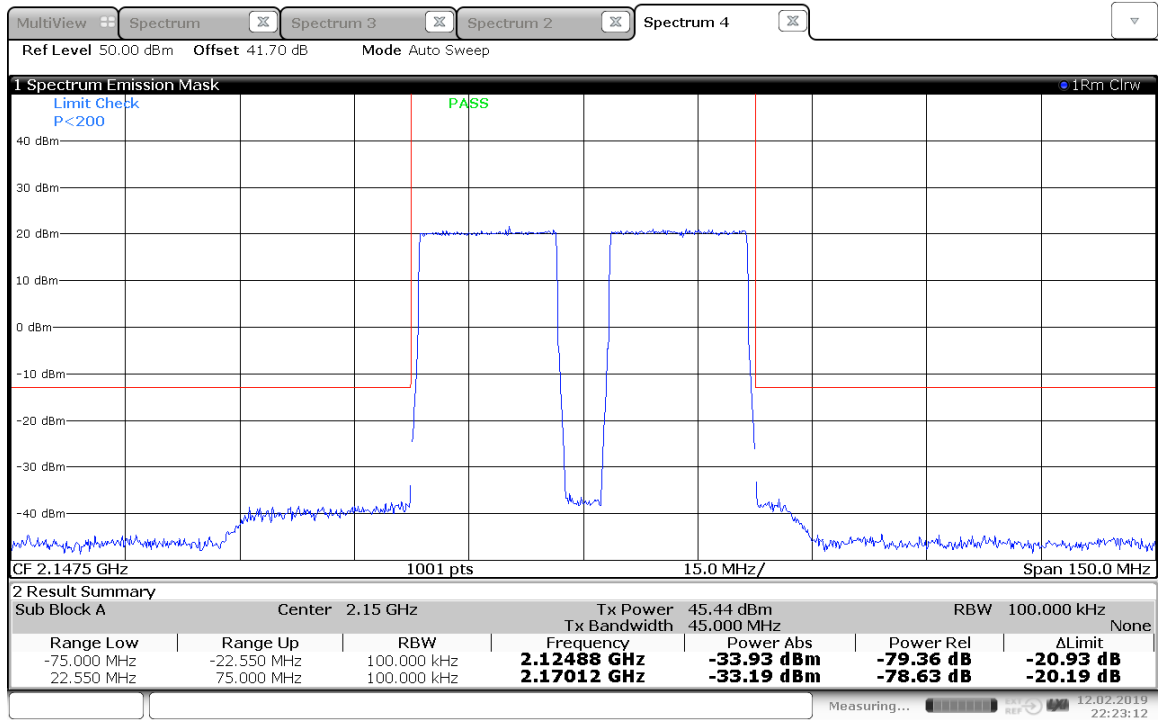


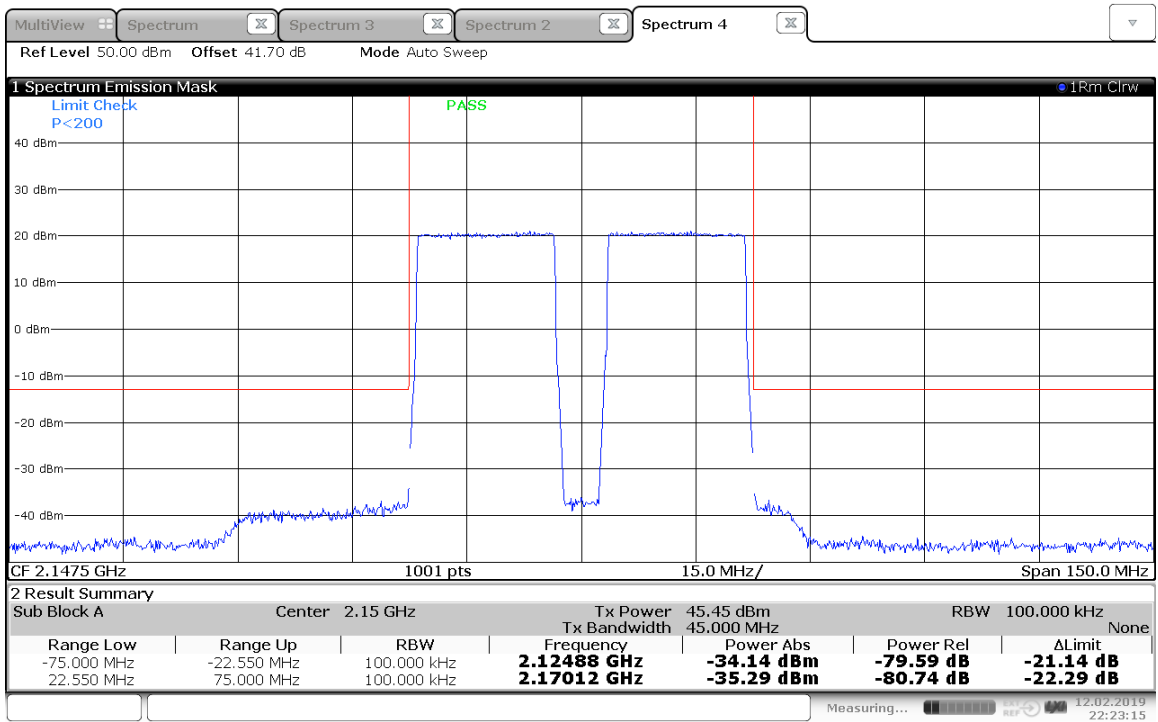
20M+20M -2147.5MHz-Port 1~4:



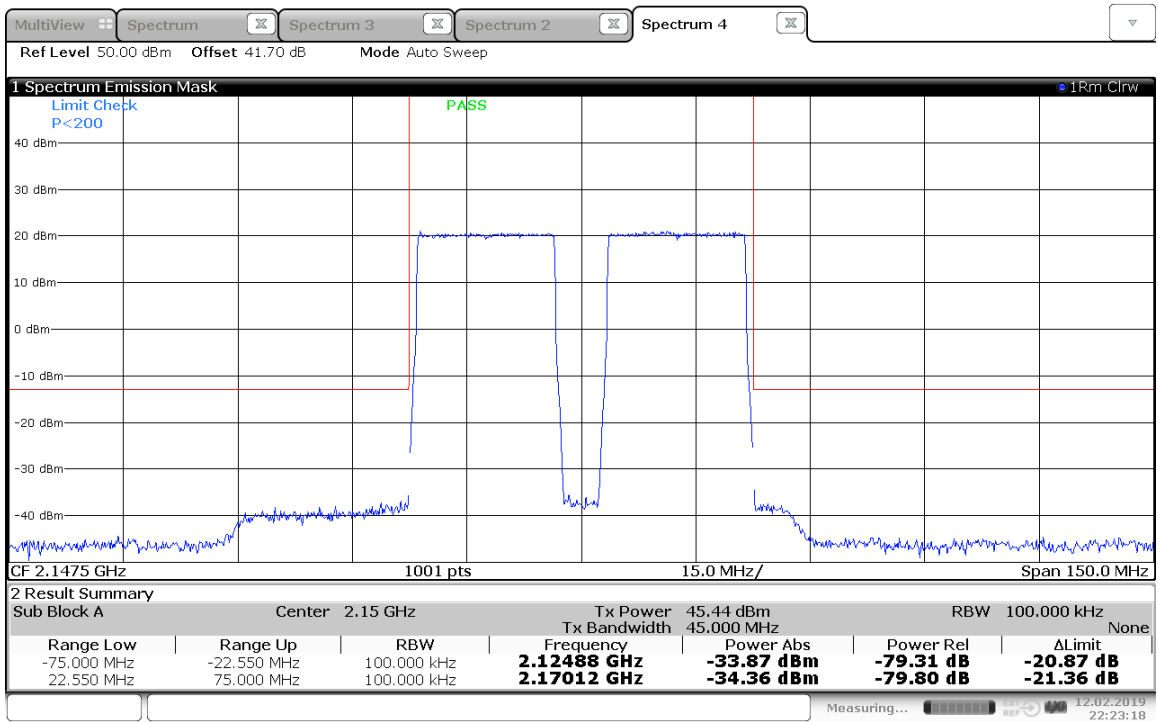
22:23:09 12.02.2019



22:23:12 12.02.2019



22:23:16 12.02.2019



22:23:19 12.02.2019

## 11. FREQUENCY STABILITY

### 11.1. Applicable Standard :

FCC § 2.1055

Requirements: FCC § 2.1055 (a)(d), The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

### 11.2. Test Equipment List and Details :

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Signal & Spectrum Analyzer	FSW26	SB12724/01	2018.06.06	2019.06.05
DTS	DTS 40dB Attenuator	DTS100-40-3-1	09112005	2018.07.19	2019.07.19
Radiall	RF Cable	1807188	---	---	---
Espec	Temperature & Humidity Test chamber	EH-010U	SB11818	2018.03.27	2019.03.26

**\*statement of traceability:** SMQ attests that all calibration has been performed per the A2LA requirements, traceable to NIM.

### 11.3. Test Procedure:

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to a Spectrum Analyzer via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 150 minutes, the frequency output was recorded from the counter.

Frequency Stability vs. Voltage: An external variable DC power supply Source. The voltage was set to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the end point. The output frequency was recorded for each voltage.

### 11.4. Environmental Conditions :

Normal condition:	23 ° C
Relative Humidity:	42%
ATM Pressure:	1020mbar

11.5.Test Result: Pass

11.6.Test Mode: Transmitting LTE

11.7.Test Data:

**Frequency Stability Versus Temperature  
( Channel Bandwidth:5MHz&5MHz Frequency :2112.5MHz&2152.5MHz)**

Temperature (°C)	Power Supplied (VDC)	Port	Frequency Measure Error( Hz)		E-TM	Limit( ppm)	Result
			Carrier 1	Carrier 2			
-40	-48	1	1.95	-0.83	TM2.0	0.05	PASS
			0.34	-1.88	TM3.1	0.05	PASS
			-1.59	1.76	TM3.2	0.05	PASS
			0.95	2.74	TM3.3	0.05	PASS
		2	-1.86	0.92	TM2.0	0.05	PASS
			-2.39	2.42	TM3.1	0.05	PASS
			-0.51	2.82	TM3.2	0.05	PASS
			1.88	-1.32	TM3.3	0.05	PASS
		3	1.03	-1.37	TM2.0	0.05	PASS
			1.86	2.98	TM3.1	0.05	PASS
			1.68	-2.05	TM3.2	0.05	PASS
			1.43	-2.57	TM3.3	0.05	PASS
		4	1.90	2.91	TM2.0	0.05	PASS
			1.48	0.06	TM3.1	0.05	PASS
			2.55	-1.30	TM3.2	0.05	PASS
			-0.75	-1.40	TM3.3	0.05	PASS
-30	-48	1	-0.40	1.19	TM2.0	0.05	PASS
			2.93	-0.49	TM3.1	0.05	PASS
			-0.43	0.76	TM3.2	0.05	PASS
			-0.88	-1.57	TM3.3	0.05	PASS
		2	-1.31	2.39	TM2.0	0.05	PASS
			1.94	-1.49	TM3.1	0.05	PASS
			1.68	-1.24	TM3.2	0.05	PASS
			2.19	-1.87	TM3.3	0.05	PASS
		3	1.85	2.47	TM2.0	0.05	PASS
			-1.52	-1.06	TM3.1	0.05	PASS
			0.22	2.78	TM3.2	0.05	PASS
			-0.08	-0.06	TM3.3	0.05	PASS
		4	-0.21	0.71	TM2.0	0.05	PASS
			-1.66	1.05	TM3.1	0.05	PASS
			-1.17	-1.69	TM3.2	0.05	PASS

			1.79	1.37	TM3.3	0.05	PASS
-20	1		2.54	-1.23	TM2.0	0.05	PASS
			0.26	-1.94	TM3.1	0.05	PASS
			2.65	2.23	TM3.2	0.05	PASS
			1.03	-0.49	TM3.3	0.05	PASS
			-1.79	-0.39	TM2.0	0.05	PASS
	2		0.22	2.24	TM3.1	0.05	PASS
			0.19	0.82	TM3.2	0.05	PASS
			-1.99	1.16	TM3.3	0.05	PASS
			1.30	-0.10	TM2.0	0.05	PASS
	3		-0.22	1.01	TM3.1	0.05	PASS
			0.47	-2.39	TM3.2	0.05	PASS
			-1.63	1.95	TM3.3	0.05	PASS
			-1.38	-1.04	TM2.0	0.05	PASS
	4		1.88	1.43	TM3.1	0.05	PASS
			1.30	-0.99	TM3.2	0.05	PASS
			-1.29	-0.99	TM3.3	0.05	PASS
		2.63	0.33	TM2.0	0.05	PASS	
-10	1		-0.55	2.43	TM3.1	0.05	PASS
			-0.42	-2.63	TM3.2	0.05	PASS
			-0.97	-1.11	TM3.3	0.05	PASS
			1.99	-0.04	TM2.0	0.05	PASS
	2		2.23	-0.48	TM3.1	0.05	PASS
			-1.65	-1.47	TM3.2	0.05	PASS
			0.48	2.50	TM3.3	0.05	PASS
			-1.63	2.55	TM2.0	0.05	PASS
	3		-0.41	0.69	TM3.1	0.05	PASS
			2.66	-2.04	TM3.2	0.05	PASS
			0.19	1.09	TM3.3	0.05	PASS
			1.22	1.59	TM2.0	0.05	PASS
	4		0.43	-0.23	TM3.1	0.05	PASS
			0.17	0.94	TM3.2	0.05	PASS
			2.28	2.30	TM3.3	0.05	PASS
			0.52	-2.42	TM2.0	0.05	PASS
0	1		-0.74	1.95	TM3.1	0.05	PASS
			2.99	1.14	TM3.2	0.05	PASS
			1.79	1.84	TM3.3	0.05	PASS
			2.39	0.15	TM2.0	0.05	PASS
	2		2.64	2.65	TM3.1	0.05	PASS
			0.86	2.15	TM3.2	0.05	PASS
			-1.78	0.38	TM3.3	0.05	PASS
			1.06	1.81	TM2.0	0.05	PASS

			1.94	2.32	TM3.1	0.05	PASS		
			-1.87	2.45	TM3.2	0.05	PASS		
			1.46	2.54	TM3.3	0.05	PASS		
			4	-1.65	0.16	TM2.0	0.05	PASS	
				2.87	1.79	TM3.1	0.05	PASS	
				-1.60	2.75	TM3.2	0.05	PASS	
				-2.05	2.55	TM3.3	0.05	PASS	
		10		1	-0.82	1.53	TM2.0	0.05	PASS
					-2.62	-1.19	TM3.1	0.05	PASS
					-1.61	0.05	TM3.2	0.05	PASS
					-1.88	-0.13	TM3.3	0.05	PASS
				2	1.06	2.96	TM2.0	0.05	PASS
-2.87	0.62				TM3.1	0.05	PASS		
-2.60	2.53				TM3.2	0.05	PASS		
-1.72	2.58				TM3.3	0.05	PASS		
3	1.31			2.11	TM2.0	0.05	PASS		
	0.98			1.10	TM3.1	0.05	PASS		
	3.00			1.30	TM3.2	0.05	PASS		
	-2.10			2.89	TM3.3	0.05	PASS		
4	2.37	-2.27	TM2.0	0.05	PASS				
	1.17	-1.54	TM3.1	0.05	PASS				
	-0.03	-0.60	TM3.2	0.05	PASS				
	-0.47	0.53	TM3.3	0.05	PASS				
20		1	2.94	2.65	TM2.0	0.05	PASS		
			-1.46	-1.21	TM3.1	0.05	PASS		
			1.83	-1.44	TM3.2	0.05	PASS		
			-0.66	1.58	TM3.3	0.05	PASS		
		2	2.00	-1.95	TM2.0	0.05	PASS		
			0.16	1.59	TM3.1	0.05	PASS		
			0.46	-2.62	TM3.2	0.05	PASS		
			1.95	-0.32	TM3.3	0.05	PASS		
		3	1.63	2.15	TM2.0	0.05	PASS		
			-0.67	2.81	TM3.1	0.05	PASS		
			0.11	-0.66	TM3.2	0.05	PASS		
			-0.91	-1.70	TM3.3	0.05	PASS		
4	1.59	0.95	TM2.0	0.05	PASS				
	2.00	-2.56	TM3.1	0.05	PASS				
	2.94	-2.59	TM3.2	0.05	PASS				
	-0.92	1.04	TM3.3	0.05	PASS				
30		1	0.65	-0.76	TM2.0	0.05	PASS		
			-0.63	0.45	TM3.1	0.05	PASS		
			1.78	-0.32	TM3.2	0.05	PASS		

		2	2.94	0.14	TM3.3	0.05	PASS	
			-0.88	1.66	TM2.0	0.05	PASS	
			-0.63	0.05	TM3.1	0.05	PASS	
			0.21	-0.51	TM3.2	0.05	PASS	
			2.77	-0.20	TM3.3	0.05	PASS	
		3	-1.65	-1.06	TM2.0	0.05	PASS	
			-0.19	-0.08	TM3.1	0.05	PASS	
			2.27	-2.70	TM3.2	0.05	PASS	
			1.25	0.44	TM3.3	0.05	PASS	
		4	-2.62	-2.36	TM2.0	0.05	PASS	
			-0.68	1.35	TM3.1	0.05	PASS	
			1.01	2.90	TM3.2	0.05	PASS	
			-0.52	-1.83	TM3.3	0.05	PASS	
		40	1	1.19	-0.70	TM2.0	0.05	PASS
				1.93	-1.15	TM3.1	0.05	PASS
				-1.26	1.71	TM3.2	0.05	PASS
-0.40	-2.93			TM3.3	0.05	PASS		
2	-1.97		0.09	TM2.0	0.05	PASS		
	1.62		-2.55	TM3.1	0.05	PASS		
	1.20		-0.90	TM3.2	0.05	PASS		
	-0.54		0.24	TM3.3	0.05	PASS		
3	2.01		-0.15	TM2.0	0.05	PASS		
	-1.80		2.57	TM3.1	0.05	PASS		
	-0.16		-1.83	TM3.2	0.05	PASS		
	-2.18		2.42	TM3.3	0.05	PASS		
4	-2.65		0.24	TM2.0	0.05	PASS		
	-0.99		-2.83	TM3.1	0.05	PASS		
	0.70		-2.35	TM3.2	0.05	PASS		
	-2.89		0.17	TM3.3	0.05	PASS		
50	1	-2.35	2.50	TM2.0	0.05	PASS		
		1.21	-1.15	TM3.1	0.05	PASS		
		-0.17	-2.67	TM3.2	0.05	PASS		
		0.27	-1.65	TM3.3	0.05	PASS		
	2	2.44	-0.50	TM2.0	0.05	PASS		
		-2.00	-1.22	TM3.1	0.05	PASS		
		-2.84	-0.53	TM3.2	0.05	PASS		
		-1.46	1.99	TM3.3	0.05	PASS		
	3	-2.75	-0.13	TM2.0	0.05	PASS		
		-2.26	-1.95	TM3.1	0.05	PASS		
		2.94	1.50	TM3.2	0.05	PASS		
		-0.15	-0.04	TM3.3	0.05	PASS		
	4	-2.81	2.64	TM2.0	0.05	PASS		

55			-2.56	-2.45	TM3.1	0.05	PASS
			2.74	-2.94	TM3.2	0.05	PASS
			0.95	0.21	TM3.3	0.05	PASS
		1	2.73	-0.40	TM2.0	0.05	PASS
			0.78	-2.40	TM3.1	0.05	PASS
			-0.45	0.93	TM3.2	0.05	PASS
			1.18	0.60	TM3.3	0.05	PASS
		2	-1.75	2.69	TM2.0	0.05	PASS
			0.02	-2.87	TM3.1	0.05	PASS
			-2.48	2.22	TM3.2	0.05	PASS
			2.20	0.60	TM3.3	0.05	PASS
		3	1.05	-1.28	TM2.0	0.05	PASS
			2.97	-0.99	TM3.1	0.05	PASS
			-1.92	1.88	TM3.2	0.05	PASS
			0.32	-2.62	TM3.3	0.05	PASS
		4	0.58	-0.08	TM2.0	0.05	PASS
			-0.56	-2.42	TM3.1	0.05	PASS
			-2.18	1.95	TM3.2	0.05	PASS
			-2.94	-2.09	TM3.3	0.05	PASS

**( Channel Bandwidth:20MHz&20MHz Frequency :2120MHz&2160MHz )**

Temperature (°C)	Power Supplied (VDC)	Port	Frequency Measure Error( Hz)		E-TM	Limit( ppm)	Result
			Carrier 1	Carrier 2			
-40	-48	1	0.86	1.63	TM2.0	0.05	PASS
			-0.58	1.49	TM3.1	0.05	PASS
			-2.98	-1.70	TM3.2	0.05	PASS
			1.29	-2.54	TM3.3	0.05	PASS
		2	-2.79	-0.13	TM2.0	0.05	PASS
			1.24	0.52	TM3.1	0.05	PASS
			1.12	-1.84	TM3.2	0.05	PASS
			2.11	2.46	TM3.3	0.05	PASS
		3	-0.98	1.48	TM2.0	0.05	PASS
			2.75	2.48	TM3.1	0.05	PASS
			-2.92	0.44	TM3.2	0.05	PASS
			1.44	-1.82	TM3.3	0.05	PASS
		4	-0.02	0.10	TM2.0	0.05	PASS
			-1.20	2.93	TM3.1	0.05	PASS
			1.28	-0.90	TM3.2	0.05	PASS
			0.57	-1.37	TM3.3	0.05	PASS
-30		1	-0.13	1.27	TM2.0	0.05	PASS
			1.50	2.16	TM3.1	0.05	PASS



			2.36	-0.61	TM3.2	0.05	PASS
			0.77	1.02	TM3.3	0.05	PASS
		2	-1.06	0.58	TM2.0	0.05	PASS
			-2.14	0.97	TM3.1	0.05	PASS
			-2.28	1.56	TM3.2	0.05	PASS
			-0.68	-0.16	TM3.3	0.05	PASS
			0.41	-0.23	TM2.0	0.05	PASS
		3	-2.39	1.65	TM3.1	0.05	PASS
			-1.17	-0.34	TM3.2	0.05	PASS
			-0.97	0.47	TM3.3	0.05	PASS
			0.59	2.40	TM2.0	0.05	PASS
		4	1.27	2.20	TM3.1	0.05	PASS
			1.00	0.99	TM3.2	0.05	PASS
			-0.01	0.04	TM3.3	0.05	PASS
			1.02	0.88	TM2.0	0.05	PASS
		-20	1	2.25	1.15	TM3.1	0.05
-2.62	-1.25			TM3.2	0.05	PASS	
-2.93	0.10			TM3.3	0.05	PASS	
-1.52	-0.10			TM2.0	0.05	PASS	
2	-2.46	2.61	TM3.1	0.05	PASS		
	0.30	0.15	TM3.2	0.05	PASS		
	-1.22	0.57	TM3.3	0.05	PASS		
	0.42	-1.05	TM2.0	0.05	PASS		
3	2.68	-1.14	TM3.1	0.05	PASS		
	2.73	-0.54	TM3.2	0.05	PASS		
	-1.38	-1.13	TM3.3	0.05	PASS		
	1.60	1.13	TM2.0	0.05	PASS		
4	1.94	0.64	TM3.1	0.05	PASS		
	1.54	1.06	TM3.2	0.05	PASS		
	-0.78	2.36	TM3.3	0.05	PASS		
	-0.47	-2.52	TM2.0	0.05	PASS		
-10	1	1.33	1.12	TM3.1	0.05	PASS	
		-1.06	-1.82	TM3.2	0.05	PASS	
		2.70	2.94	TM3.3	0.05	PASS	
		-2.69	0.51	TM2.0	0.05	PASS	
	2	-2.99	0.27	TM3.1	0.05	PASS	
		0.50	-0.09	TM3.2	0.05	PASS	
		-2.45	2.11	TM3.3	0.05	PASS	
		2.09	1.94	TM2.0	0.05	PASS	
	3	-1.46	-0.34	TM3.1	0.05	PASS	
		0.12	0.29	TM3.2	0.05	PASS	
		-2.57	-0.60	TM3.3	0.05	PASS	

		4	-2.74	0.02	TM2.0	0.05	PASS
			2.55	-2.56	TM3.1	0.05	PASS
			-1.83	2.50	TM3.2	0.05	PASS
			-0.58	2.65	TM3.3	0.05	PASS
0		1	-2.03	0.37	TM2.0	0.05	PASS
			0.43	-0.19	TM3.1	0.05	PASS
			-1.29	-1.07	TM3.2	0.05	PASS
			-0.22	-2.06	TM3.3	0.05	PASS
		2	1.64	-0.47	TM2.0	0.05	PASS
			-0.93	-2.61	TM3.1	0.05	PASS
			-2.80	2.03	TM3.2	0.05	PASS
			0.65	0.03	TM3.3	0.05	PASS
		3	-2.38	-2.77	TM2.0	0.05	PASS
			-0.86	1.02	TM3.1	0.05	PASS
			-1.75	1.89	TM3.2	0.05	PASS
			-0.95	-0.39	TM3.3	0.05	PASS
	4	0.06	-0.42	TM2.0	0.05	PASS	
		-1.38	0.51	TM3.1	0.05	PASS	
		0.26	-2.65	TM3.2	0.05	PASS	
		1.36	2.04	TM3.3	0.05	PASS	
10		1	2.22	-0.39	TM2.0	0.05	PASS
			-0.93	1.47	TM3.1	0.05	PASS
			1.54	-2.98	TM3.2	0.05	PASS
			-1.41	-1.60	TM3.3	0.05	PASS
		2	1.82	-1.91	TM2.0	0.05	PASS
			1.74	2.31	TM3.1	0.05	PASS
			2.75	0.02	TM3.2	0.05	PASS
			0.70	-1.17	TM3.3	0.05	PASS
		3	-1.90	0.68	TM2.0	0.05	PASS
			-0.68	2.24	TM3.1	0.05	PASS
			2.10	2.50	TM3.2	0.05	PASS
			2.66	-0.65	TM3.3	0.05	PASS
	4	-1.49	-1.82	TM2.0	0.05	PASS	
		-0.48	-0.12	TM3.1	0.05	PASS	
		-2.21	1.70	TM3.2	0.05	PASS	
		-0.23	1.69	TM3.3	0.05	PASS	
20		1	0.59	-0.09	TM2.0	0.05	PASS
			2.76	-1.54	TM3.1	0.05	PASS
			2.15	1.11	TM3.2	0.05	PASS
			1.80	2.69	TM3.3	0.05	PASS
		2	2.38	-1.52	TM2.0	0.05	PASS
			-2.73	2.14	TM3.1	0.05	PASS

			1.33	-0.45	TM3.2	0.05	PASS
			-0.19	1.41	TM3.3	0.05	PASS
		3	1.68	0.68	TM2.0	0.05	PASS
			1.58	2.48	TM3.1	0.05	PASS
			-0.12	1.59	TM3.2	0.05	PASS
			2.09	-2.11	TM3.3	0.05	PASS
			-0.17	-2.59	TM2.0	0.05	PASS
		4	-1.09	-1.35	TM3.1	0.05	PASS
			0.73	-0.08	TM3.2	0.05	PASS
			0.99	2.06	TM3.3	0.05	PASS
			-0.26	-0.12	TM2.0	0.05	PASS
		1	-2.53	0.54	TM3.1	0.05	PASS
			1.23	1.88	TM3.2	0.05	PASS
			-2.37	-1.46	TM3.3	0.05	PASS
			-2.66	1.90	TM2.0	0.05	PASS
		2	1.02	-0.37	TM3.1	0.05	PASS
-0.03	1.05		TM3.2	0.05	PASS		
2.92	2.32		TM3.3	0.05	PASS		
0.24	-2.22		TM2.0	0.05	PASS		
3	1.97	-2.47	TM3.1	0.05	PASS		
	2.28	-1.94	TM3.2	0.05	PASS		
	0.55	0.54	TM3.3	0.05	PASS		
	0.33	2.27	TM2.0	0.05	PASS		
4	-0.65	-1.99	TM3.1	0.05	PASS		
	2.14	2.94	TM3.2	0.05	PASS		
	0.85	-0.72	TM3.3	0.05	PASS		
	-2.36	-2.65	TM2.0	0.05	PASS		
1	-2.45	-0.58	TM3.1	0.05	PASS		
	1.25	1.77	TM3.2	0.05	PASS		
	0.86	1.42	TM3.3	0.05	PASS		
	-2.72	2.12	TM2.0	0.05	PASS		
2	-0.36	0.14	TM3.1	0.05	PASS		
	2.61	-0.96	TM3.2	0.05	PASS		
	-1.27	-0.53	TM3.3	0.05	PASS		
	-0.91	2.35	TM2.0	0.05	PASS		
3	0.37	2.32	TM3.1	0.05	PASS		
	0.84	-2.30	TM3.2	0.05	PASS		
	0.34	1.00	TM3.3	0.05	PASS		
	-1.75	-2.10	TM2.0	0.05	PASS		
4	-2.05	-1.20	TM3.1	0.05	PASS		
	-1.13	-2.47	TM3.2	0.05	PASS		
	2.63	2.49	TM3.3	0.05	PASS		

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50		1	-2.75	2.25	TM2.0	0.05	PASS
			0.48	1.35	TM3.1	0.05	PASS
			1.36	-0.60	TM3.2	0.05	PASS
			-0.93	0.21	TM3.3	0.05	PASS
		2	-1.84	-0.07	TM2.0	0.05	PASS
			-0.17	0.77	TM3.1	0.05	PASS
			2.97	1.07	TM3.2	0.05	PASS
			-0.88	2.72	TM3.3	0.05	PASS
		3	1.93	-2.94	TM2.0	0.05	PASS
			-0.65	-2.84	TM3.1	0.05	PASS
			-2.46	-0.59	TM3.2	0.05	PASS
			2.93	1.21	TM3.3	0.05	PASS
		4	-0.88	-2.92	TM2.0	0.05	PASS
			-2.79	-1.93	TM3.1	0.05	PASS
			0.48	-1.64	TM3.2	0.05	PASS
			-0.63	1.91	TM3.3	0.05	PASS
55		1	2.35	-2.48	TM2.0	0.05	PASS
			1.47	2.00	TM3.1	0.05	PASS
			1.45	2.39	TM3.2	0.05	PASS
			0.06	-0.33	TM3.3	0.05	PASS
		2	0.68	1.79	TM2.0	0.05	PASS
			-0.64	0.34	TM3.1	0.05	PASS
			-2.91	-0.31	TM3.2	0.05	PASS
			1.32	2.74	TM3.3	0.05	PASS
		3	1.95	-2.25	TM2.0	0.05	PASS
			-1.87	0.87	TM3.1	0.05	PASS
			-0.45	2.66	TM3.2	0.05	PASS
			0.15	-0.15	TM3.3	0.05	PASS
		4	-0.70	1.71	TM2.0	0.05	PASS
			2.99	-2.08	TM3.1	0.05	PASS
			-1.31	0.01	TM3.2	0.05	PASS
			2.23	-0.95	TM3.3	0.05	PASS

( Channel Bandwidth:5MHz&5MHz Frequency :2127.5MHz&2167.5MHz)

Temperature (°C)	Power Supplied (VDC)	Port	Frequency Measure Error( Hz)		E-TM	Limit( ppm)	Result
			Carrier 1	Carrier 2			
-40	-48	1	-1.75	-2.23	TM2.0	0.05	PASS
			2.38	-1.33	TM3.1	0.05	PASS
			2.80	2.35	TM3.2	0.05	PASS
			-2.12	0.20	TM3.3	0.05	PASS
		2	-1.10	-2.00	TM2.0	0.05	PASS

			-1.08	-0.10	TM3. 1	0.05	PASS		
			-2.29	1.15	TM3. 2	0.05	PASS		
			-2.54	-0.87	TM3. 3	0.05	PASS		
		3		-2.29	-0.80	TM2. 0	0.05	PASS	
				0.40	-1.07	TM3. 1	0.05	PASS	
				0.91	1.70	TM3. 2	0.05	PASS	
		4		0.27	0.20	TM3. 3	0.05	PASS	
				1.71	1.41	TM2. 0	0.05	PASS	
				-1.02	-1.94	TM3. 1	0.05	PASS	
				-2.55	0.40	TM3. 2	0.05	PASS	
		-30		1	1.08	0.96	TM3. 3	0.05	PASS
					0.95	0.95	TM2. 0	0.05	PASS
-1.76	-0.73				TM3. 1	0.05	PASS		
-1.03	2.95				TM3. 2	0.05	PASS		
2				2.18	-2.68	TM3. 3	0.05	PASS	
				0.47	-0.57	TM2. 0	0.05	PASS	
				-1.80	1.49	TM3. 1	0.05	PASS	
				0.25	1.76	TM3. 2	0.05	PASS	
3				0.12	-0.02	TM3. 3	0.05	PASS	
				-1.42	0.40	TM2. 0	0.05	PASS	
				-1.33	-2.14	TM3. 1	0.05	PASS	
				2.28	-0.81	TM3. 2	0.05	PASS	
4		0.15	2.02	TM3. 3	0.05	PASS			
		-0.32	-2.63	TM2. 0	0.05	PASS			
		2.93	1.85	TM3. 1	0.05	PASS			
		1.72	2.59	TM3. 2	0.05	PASS			
-20		1	0.60	0.26	TM3. 3	0.05	PASS		
			-1.09	-2.28	TM2. 0	0.05	PASS		
			-2.59	0.23	TM3. 1	0.05	PASS		
			-1.27	-1.91	TM3. 2	0.05	PASS		
		2		-1.00	-0.90	TM3. 3	0.05	PASS	
				-1.47	-1.18	TM2. 0	0.05	PASS	
				0.10	-2.55	TM3. 1	0.05	PASS	
				-1.34	2.06	TM3. 2	0.05	PASS	
		3		-0.65	1.34	TM3. 3	0.05	PASS	
				-1.31	-0.06	TM2. 0	0.05	PASS	
				-2.73	0.12	TM3. 1	0.05	PASS	
				-2.63	-1.64	TM3. 2	0.05	PASS	
4		0.21	2.78	TM3. 3	0.05	PASS			
		-2.85	0.78	TM2. 0	0.05	PASS			
		-2.21	-1.21	TM3. 1	0.05	PASS			
		-0.72	-2.29	TM3. 2	0.05	PASS			

			0.49	-1.82	TM3.3	0.05	PASS
-10	1		-0.82	0.73	TM2.0	0.05	PASS
			1.01	1.24	TM3.1	0.05	PASS
			0.29	-0.03	TM3.2	0.05	PASS
			1.65	-2.92	TM3.3	0.05	PASS
	2		-2.12	-0.42	TM2.0	0.05	PASS
			-1.15	1.18	TM3.1	0.05	PASS
			0.30	-1.49	TM3.2	0.05	PASS
			0.26	1.80	TM3.3	0.05	PASS
	3		-1.53	0.55	TM2.0	0.05	PASS
			-2.24	-0.98	TM3.1	0.05	PASS
			-2.32	-1.81	TM3.2	0.05	PASS
			-0.77	-0.82	TM3.3	0.05	PASS
	4		1.66	1.07	TM2.0	0.05	PASS
			0.23	1.65	TM3.1	0.05	PASS
			2.87	-1.63	TM3.2	0.05	PASS
			0.35	2.07	TM3.3	0.05	PASS
0	1		-2.19	2.69	TM2.0	0.05	PASS
			1.73	-1.23	TM3.1	0.05	PASS
			-0.71	-1.15	TM3.2	0.05	PASS
			1.60	-2.61	TM3.3	0.05	PASS
	2		-2.93	-0.46	TM2.0	0.05	PASS
			1.99	-0.35	TM3.1	0.05	PASS
			1.86	1.81	TM3.2	0.05	PASS
			-2.29	-1.33	TM3.3	0.05	PASS
	3		1.75	1.52	TM2.0	0.05	PASS
			-2.25	-2.77	TM3.1	0.05	PASS
			-1.30	-2.79	TM3.2	0.05	PASS
			-0.06	1.71	TM3.3	0.05	PASS
	4		0.21	-1.52	TM2.0	0.05	PASS
			-2.27	0.58	TM3.1	0.05	PASS
			-2.31	-0.88	TM3.2	0.05	PASS
			2.32	0.76	TM3.3	0.05	PASS
10	1		1.22	1.96	TM2.0	0.05	PASS
			-0.58	1.68	TM3.1	0.05	PASS
			2.19	0.86	TM3.2	0.05	PASS
			2.40	-2.85	TM3.3	0.05	PASS
	2		-0.57	-2.46	TM2.0	0.05	PASS
			0.87	2.26	TM3.1	0.05	PASS
			-0.54	2.74	TM3.2	0.05	PASS
			0.92	-0.14	TM3.3	0.05	PASS
	3		-1.67	0.03	TM2.0	0.05	PASS

			2.84	-2.65	TM3.1	0.05	PASS		
			0.28	2.77	TM3.2	0.05	PASS		
			1.87	0.58	TM3.3	0.05	PASS		
		4		-0.52	0.55	TM2.0	0.05	PASS	
				-2.74	2.18	TM3.1	0.05	PASS	
				-2.66	-0.80	TM3.2	0.05	PASS	
				2.09	-0.16	TM3.3	0.05	PASS	
		20		1	-0.89	1.49	TM2.0	0.05	PASS
					-1.13	-0.91	TM3.1	0.05	PASS
					-1.31	-1.73	TM3.2	0.05	PASS
					-2.95	1.98	TM3.3	0.05	PASS
				2		-2.63	-1.02	TM2.0	0.05
-0.61	-2.58					TM3.1	0.05	PASS	
1.14	-1.01					TM3.2	0.05	PASS	
2.98	0.75					TM3.3	0.05	PASS	
3				0.32	2.85	TM2.0	0.05	PASS	
				0.88	-2.77	TM3.1	0.05	PASS	
				-0.05	1.53	TM3.2	0.05	PASS	
				2.07	-1.19	TM3.3	0.05	PASS	
4		1.04	1.20	TM2.0	0.05	PASS			
		0.36	1.90	TM3.1	0.05	PASS			
		1.79	1.40	TM3.2	0.05	PASS			
		1.09	-1.22	TM3.3	0.05	PASS			
30		1	-1.98	1.91	TM2.0	0.05	PASS		
			-2.62	-0.41	TM3.1	0.05	PASS		
			2.58	-2.33	TM3.2	0.05	PASS		
			-1.33	1.65	TM3.3	0.05	PASS		
		2		-0.06	-1.91	TM2.0	0.05	PASS	
				1.48	0.91	TM3.1	0.05	PASS	
				-0.79	-0.44	TM3.2	0.05	PASS	
				0.35	0.47	TM3.3	0.05	PASS	
		3		-1.81	-0.24	TM2.0	0.05	PASS	
				0.32	-0.21	TM3.1	0.05	PASS	
				0.01	1.42	TM3.2	0.05	PASS	
				2.49	-1.99	TM3.3	0.05	PASS	
4		0.83	-0.17	TM2.0	0.05	PASS			
		0.84	-2.32	TM3.1	0.05	PASS			
		-0.19	1.09	TM3.2	0.05	PASS			
		1.05	2.22	TM3.3	0.05	PASS			
40		1	-2.67	2.90	TM2.0	0.05	PASS		
			0.00	1.52	TM3.1	0.05	PASS		
			1.26	1.81	TM3.2	0.05	PASS		

		2	2.19	-2.00	TM3.3	0.05	PASS	
			0.80	2.52	TM2.0	0.05	PASS	
			2.98	1.65	TM3.1	0.05	PASS	
			2.99	1.18	TM3.2	0.05	PASS	
			0.14	0.15	TM3.3	0.05	PASS	
		3	0.27	-2.91	TM2.0	0.05	PASS	
			-2.87	-2.35	TM3.1	0.05	PASS	
			-1.55	1.72	TM3.2	0.05	PASS	
			0.77	0.78	TM3.3	0.05	PASS	
		4	0.90	0.88	TM2.0	0.05	PASS	
			-1.90	-1.23	TM3.1	0.05	PASS	
			2.49	2.27	TM3.2	0.05	PASS	
			-0.96	0.37	TM3.3	0.05	PASS	
		50	1	0.34	0.84	TM2.0	0.05	PASS
				1.21	1.51	TM3.1	0.05	PASS
				-0.07	2.06	TM3.2	0.05	PASS
0.02	2.30			TM3.3	0.05	PASS		
2	1.29		-1.00	TM2.0	0.05	PASS		
	0.71		2.23	TM3.1	0.05	PASS		
	-0.43		-2.81	TM3.2	0.05	PASS		
	-1.30		-1.27	TM3.3	0.05	PASS		
3	0.56		-0.67	TM2.0	0.05	PASS		
	-1.19		-1.07	TM3.1	0.05	PASS		
	2.69		-1.91	TM3.2	0.05	PASS		
	-2.03		1.45	TM3.3	0.05	PASS		
4	1.14		2.26	TM2.0	0.05	PASS		
	-0.02		1.51	TM3.1	0.05	PASS		
	1.70		1.49	TM3.2	0.05	PASS		
	-0.62		1.44	TM3.3	0.05	PASS		
55	1	-0.64	2.10	TM2.0	0.05	PASS		
		-1.69	-2.52	TM3.1	0.05	PASS		
		-0.37	-2.86	TM3.2	0.05	PASS		
		-0.97	-2.77	TM3.3	0.05	PASS		
	2	1.38	-2.98	TM2.0	0.05	PASS		
		-1.23	2.88	TM3.1	0.05	PASS		
		0.61	-1.64	TM3.2	0.05	PASS		
		-1.17	1.66	TM3.3	0.05	PASS		
	3	2.89	1.25	TM2.0	0.05	PASS		
		-2.90	2.82	TM3.1	0.05	PASS		
		-2.09	-0.28	TM3.2	0.05	PASS		
		-2.77	-1.89	TM3.3	0.05	PASS		
	4	2.33	-0.74	TM2.0	0.05	PASS		



			-2.01	1.42	TM3. 1	0.05	PASS
			-1.87	-1.07	TM3. 2	0.05	PASS
			1.67	-0.70	TM3. 3	0.05	PASS

**( Channel Bandwidth:20MHz&20MHz Frequency :2120MHz&2145MHz )**

Temperature (°C)	Power Supplied (VDC)	Port	Frequency Measure Error( Hz)		E-TM	Limit( ppm)	Result
			Carrier 1	Carrier 2			
-40	-48	1	0.59	0.56	TM2. 0	0.05	PASS
			-1.90	0.36	TM3. 1	0.05	PASS
			2.02	-2.44	TM3. 2	0.05	PASS
			-2.48	1.59	TM3. 3	0.05	PASS
		2	0.50	-1.60	TM2. 0	0.05	PASS
			-2.20	2.60	TM3. 1	0.05	PASS
			0.00	-0.93	TM3. 2	0.05	PASS
			0.68	2.38	TM3. 3	0.05	PASS
		3	-1.59	0.67	TM2. 0	0.05	PASS
			1.57	0.34	TM3. 1	0.05	PASS
			1.83	1.66	TM3. 2	0.05	PASS
			0.05	-1.12	TM3. 3	0.05	PASS
		4	0.42	-0.06	TM2. 0	0.05	PASS
			0.31	0.96	TM3. 1	0.05	PASS
			0.57	-0.92	TM3. 2	0.05	PASS
			0.88	-2.57	TM3. 3	0.05	PASS
-30	-48	1	-2.72	-0.67	TM2. 0	0.05	PASS
			-1.89	2.94	TM3. 1	0.05	PASS
			1.63	-1.52	TM3. 2	0.05	PASS
			-2.71	-0.80	TM3. 3	0.05	PASS
		2	-2.30	2.45	TM2. 0	0.05	PASS
			-1.11	-0.94	TM3. 1	0.05	PASS
			2.75	0.88	TM3. 2	0.05	PASS
			0.30	1.25	TM3. 3	0.05	PASS
		3	1.59	1.52	TM2. 0	0.05	PASS
			2.72	-0.89	TM3. 1	0.05	PASS
			-2.46	-1.56	TM3. 2	0.05	PASS
			0.73	0.68	TM3. 3	0.05	PASS
		4	-1.49	-0.46	TM2. 0	0.05	PASS
			-0.33	-1.09	TM3. 1	0.05	PASS
			1.66	2.30	TM3. 2	0.05	PASS
			0.14	-0.29	TM3. 3	0.05	PASS
-20	-48	1	-2.27	-1.61	TM2. 0	0.05	PASS
			-1.35	1.77	TM3. 1	0.05	PASS

			-2.36	1.70	TM3.2	0.05	PASS
			-2.06	-1.49	TM3.3	0.05	PASS
		2	-0.48	-2.43	TM2.0	0.05	PASS
			-2.38	2.95	TM3.1	0.05	PASS
			1.55	2.76	TM3.2	0.05	PASS
			1.52	0.74	TM3.3	0.05	PASS
			-0.55	0.47	TM2.0	0.05	PASS
		3	0.48	-2.02	TM3.1	0.05	PASS
			2.06	0.00	TM3.2	0.05	PASS
			-0.58	-2.62	TM3.3	0.05	PASS
			1.83	-0.57	TM2.0	0.05	PASS
		4	1.76	-2.76	TM3.1	0.05	PASS
			-1.86	0.64	TM3.2	0.05	PASS
			-1.49	1.09	TM3.3	0.05	PASS
			1.92	2.05	TM2.0	0.05	PASS
		-10	1	-2.20	-2.48	TM3.1	0.05
0.72	1.47			TM3.2	0.05	PASS	
-0.32	-2.84			TM3.3	0.05	PASS	
0.25	-2.52			TM2.0	0.05	PASS	
2	-2.41	-0.15	TM3.1	0.05	PASS		
	-1.35	-2.89	TM3.2	0.05	PASS		
	2.56	-2.79	TM3.3	0.05	PASS		
	2.85	-1.83	TM2.0	0.05	PASS		
3	-1.28	1.00	TM3.1	0.05	PASS		
	-0.80	0.60	TM3.2	0.05	PASS		
	-1.34	1.02	TM3.3	0.05	PASS		
	-0.64	2.57	TM2.0	0.05	PASS		
4	0.88	-1.68	TM3.1	0.05	PASS		
	-2.38	-1.47	TM3.2	0.05	PASS		
	1.16	-1.44	TM3.3	0.05	PASS		
	-0.05	1.41	TM2.0	0.05	PASS		
0	1	-0.51	1.01	TM3.1	0.05	PASS	
		-1.87	-2.02	TM3.2	0.05	PASS	
		1.31	1.72	TM3.3	0.05	PASS	
		-0.01	-2.94	TM2.0	0.05	PASS	
	2	2.43	-2.02	TM3.1	0.05	PASS	
		-2.39	-0.45	TM3.2	0.05	PASS	
		0.55	0.66	TM3.3	0.05	PASS	
		-0.08	0.29	TM2.0	0.05	PASS	
	3	-1.21	2.84	TM3.1	0.05	PASS	
		2.40	1.33	TM3.2	0.05	PASS	
		-2.08	1.12	TM3.3	0.05	PASS	

		4	-2.05	-0.88	TM2.0	0.05	PASS
			-0.42	-0.38	TM3.1	0.05	PASS
			-2.62	-0.15	TM3.2	0.05	PASS
			0.88	2.69	TM3.3	0.05	PASS
10		1	-0.99	-1.74	TM2.0	0.05	PASS
			-1.31	0.91	TM3.1	0.05	PASS
			2.82	-1.63	TM3.2	0.05	PASS
			-1.00	2.80	TM3.3	0.05	PASS
		2	-0.46	-0.85	TM2.0	0.05	PASS
			1.13	1.54	TM3.1	0.05	PASS
			0.44	-0.65	TM3.2	0.05	PASS
			1.79	1.35	TM3.3	0.05	PASS
		3	-0.08	0.73	TM2.0	0.05	PASS
			-1.26	-1.00	TM3.1	0.05	PASS
			-2.51	-2.25	TM3.2	0.05	PASS
			0.73	0.25	TM3.3	0.05	PASS
4	0.26	2.91	TM2.0	0.05	PASS		
	-1.99	1.92	TM3.1	0.05	PASS		
	2.08	1.02	TM3.2	0.05	PASS		
	2.05	-2.67	TM3.3	0.05	PASS		
20	1	-2.73	-1.58	TM2.0	0.05	PASS	
		-1.86	-0.69	TM3.1	0.05	PASS	
		-1.11	2.96	TM3.2	0.05	PASS	
		0.72	-2.15	TM3.3	0.05	PASS	
	2	0.04	-0.42	TM2.0	0.05	PASS	
		-0.35	0.91	TM3.1	0.05	PASS	
		1.73	-0.31	TM3.2	0.05	PASS	
		-1.58	1.02	TM3.3	0.05	PASS	
	3	-1.97	-0.13	TM2.0	0.05	PASS	
		-2.44	-2.11	TM3.1	0.05	PASS	
		-0.60	2.38	TM3.2	0.05	PASS	
		0.84	0.96	TM3.3	0.05	PASS	
	4	-2.28	0.17	TM2.0	0.05	PASS	
		-0.24	-1.77	TM3.1	0.05	PASS	
		-2.58	1.21	TM3.2	0.05	PASS	
		-0.10	-1.60	TM3.3	0.05	PASS	
30	1	-2.96	1.16	TM2.0	0.05	PASS	
		0.97	2.69	TM3.1	0.05	PASS	
		-0.81	2.64	TM3.2	0.05	PASS	
		-0.30	1.00	TM3.3	0.05	PASS	
	2	1.63	-1.72	TM2.0	0.05	PASS	
		-0.89	1.90	TM3.1	0.05	PASS	

			-2.74	1.77	TM3. 2	0.05	PASS
			-1.29	0.59	TM3. 3	0.05	PASS
		3	-2.11	-0.13	TM2. 0	0.05	PASS
			-2.27	-1.50	TM3. 1	0.05	PASS
			1.16	-1.50	TM3. 2	0.05	PASS
			0.75	1.82	TM3. 3	0.05	PASS
			-0.13	-1.70	TM2. 0	0.05	PASS
		4	0.31	0.39	TM3. 1	0.05	PASS
			2.03	-1.54	TM3. 2	0.05	PASS
			-2.49	2.38	TM3. 3	0.05	PASS
			0.50	-1.50	TM2. 0	0.05	PASS
		1	1.31	-1.44	TM3. 1	0.05	PASS
			0.54	2.45	TM3. 2	0.05	PASS
			-0.16	0.26	TM3. 3	0.05	PASS
			2.11	-2.05	TM2. 0	0.05	PASS
		2	-1.54	-1.79	TM3. 1	0.05	PASS
-1.78	0.31		TM3. 2	0.05	PASS		
-0.05	-1.40		TM3. 3	0.05	PASS		
-0.77	-2.45		TM2. 0	0.05	PASS		
3	-0.70	-1.18	TM3. 1	0.05	PASS		
	-0.22	-2.73	TM3. 2	0.05	PASS		
	0.55	-2.19	TM3. 3	0.05	PASS		
	0.49	-0.62	TM2. 0	0.05	PASS		
4	-2.64	-2.24	TM3. 1	0.05	PASS		
	-0.92	1.70	TM3. 2	0.05	PASS		
	-2.80	-1.68	TM3. 3	0.05	PASS		
	-2.26	-1.69	TM2. 0	0.05	PASS		
1	-0.08	-2.99	TM3. 1	0.05	PASS		
	-1.48	1.76	TM3. 2	0.05	PASS		
	-0.57	-2.29	TM3. 3	0.05	PASS		
	2.18	-2.24	TM2. 0	0.05	PASS		
2	0.05	-2.28	TM3. 1	0.05	PASS		
	1.10	0.44	TM3. 2	0.05	PASS		
	0.12	-2.44	TM3. 3	0.05	PASS		
	-1.86	-1.26	TM2. 0	0.05	PASS		
3	1.08	-2.07	TM3. 1	0.05	PASS		
	0.45	-1.54	TM3. 2	0.05	PASS		
	2.18	-1.35	TM3. 3	0.05	PASS		
	-2.20	1.66	TM2. 0	0.05	PASS		
4	-0.58	-1.00	TM3. 1	0.05	PASS		
	0.54	-2.04	TM3. 2	0.05	PASS		
	-2.02	-1.38	TM3. 3	0.05	PASS		

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55		1	-0.51	-2.15	TM2.0	0.05	PASS
			-2.38	1.57	TM3.1	0.05	PASS
			-0.72	2.80	TM3.2	0.05	PASS
			-2.41	1.57	TM3.3	0.05	PASS
		2	-1.54	2.12	TM2.0	0.05	PASS
			-1.11	1.37	TM3.1	0.05	PASS
			2.52	-0.51	TM3.2	0.05	PASS
			2.39	-0.48	TM3.3	0.05	PASS
		3	-2.76	2.46	TM2.0	0.05	PASS
			1.33	-0.96	TM3.1	0.05	PASS
			-0.19	2.12	TM3.2	0.05	PASS
			2.15	-0.62	TM3.3	0.05	PASS
		4	2.26	0.64	TM2.0	0.05	PASS
			-0.80	1.79	TM3.1	0.05	PASS
			0.35	-0.19	TM3.2	0.05	PASS
			1.80	-2.92	TM3.3	0.05	PASS

( Channel Bandwidth:20MHz&20MHz Frequency :2127.5MHz&2152.5MHz)

Temperature (°C)	Power Supplied (VDC)	Port	Frequency Measure Error( Hz)		E-TM	Limit( ppm)	Result
			Carrier 1	Carrier 2			
-40	-48	1	2.38	-0.76	TM2.0	0.05	PASS
			-0.94	-2.74	TM3.1	0.05	PASS
			1.14	2.60	TM3.2	0.05	PASS
			1.41	2.49	TM3.3	0.05	PASS
		2	0.49	-1.83	TM2.0	0.05	PASS
			-0.25	-1.00	TM3.1	0.05	PASS
			-0.65	1.00	TM3.2	0.05	PASS
			-2.15	0.13	TM3.3	0.05	PASS
		3	0.52	2.02	TM2.0	0.05	PASS
			1.58	-2.51	TM3.1	0.05	PASS
			0.09	0.26	TM3.2	0.05	PASS
			-0.93	2.34	TM3.3	0.05	PASS
		4	2.05	2.77	TM2.0	0.05	PASS
			0.55	2.59	TM3.1	0.05	PASS
			0.39	-0.79	TM3.2	0.05	PASS
			0.40	-0.56	TM3.3	0.05	PASS
-30		1	-1.44	0.45	TM2.0	0.05	PASS
			-2.51	-0.62	TM3.1	0.05	PASS
			-1.93	1.85	TM3.2	0.05	PASS
			2.93	0.08	TM3.3	0.05	PASS
		2	2.73	0.29	TM2.0	0.05	PASS

			1.79	1.19	TM3.1	0.05	PASS
			-1.26	1.75	TM3.2	0.05	PASS
			1.39	-1.57	TM3.3	0.05	PASS
		3	-2.63	-0.79	TM2.0	0.05	PASS
			-1.63	0.51	TM3.1	0.05	PASS
			2.77	-1.08	TM3.2	0.05	PASS
			0.29	-0.16	TM3.3	0.05	PASS
		4	1.67	1.12	TM2.0	0.05	PASS
			2.07	-2.90	TM3.1	0.05	PASS
			2.12	-2.96	TM3.2	0.05	PASS
			1.94	-1.07	TM3.3	0.05	PASS
		-20	1	0.09	2.55	TM2.0	0.05
-0.42	-1.70			TM3.1	0.05	PASS	
-0.33	-2.13			TM3.2	0.05	PASS	
-1.15	1.93			TM3.3	0.05	PASS	
2	0.15		2.74	TM2.0	0.05	PASS	
	-2.52		-1.18	TM3.1	0.05	PASS	
	-2.34		-2.18	TM3.2	0.05	PASS	
	2.01		0.07	TM3.3	0.05	PASS	
3	-2.90		-0.78	TM2.0	0.05	PASS	
	-0.40		0.05	TM3.1	0.05	PASS	
	-2.02		2.36	TM3.2	0.05	PASS	
	-1.26		2.04	TM3.3	0.05	PASS	
4	1.52	-0.01	TM2.0	0.05	PASS		
	-0.67	-1.26	TM3.1	0.05	PASS		
	-1.67	-0.14	TM3.2	0.05	PASS		
	0.24	1.72	TM3.3	0.05	PASS		
-10	1	2.10	-0.23	TM2.0	0.05	PASS	
		-1.48	-2.27	TM3.1	0.05	PASS	
		1.81	-0.66	TM3.2	0.05	PASS	
		-1.54	1.55	TM3.3	0.05	PASS	
	2	0.95	-2.16	TM2.0	0.05	PASS	
		-2.92	1.48	TM3.1	0.05	PASS	
		1.98	-2.01	TM3.2	0.05	PASS	
		1.31	2.33	TM3.3	0.05	PASS	
	3	-0.48	-1.08	TM2.0	0.05	PASS	
		1.21	0.93	TM3.1	0.05	PASS	
		1.48	-1.62	TM3.2	0.05	PASS	
		-1.21	0.57	TM3.3	0.05	PASS	
4	0.74	-2.83	TM2.0	0.05	PASS		
	1.56	2.23	TM3.1	0.05	PASS		
	0.45	2.78	TM3.2	0.05	PASS		

			1.09	-2.37	TM3.3	0.05	PASS
0		1	2.22	2.70	TM2.0	0.05	PASS
			-1.10	2.11	TM3.1	0.05	PASS
			-2.82	-0.93	TM3.2	0.05	PASS
			2.03	-1.46	TM3.3	0.05	PASS
		2	-1.04	-1.88	TM2.0	0.05	PASS
			0.27	1.89	TM3.1	0.05	PASS
			-2.50	2.82	TM3.2	0.05	PASS
			-1.83	2.28	TM3.3	0.05	PASS
		3	-1.76	1.66	TM2.0	0.05	PASS
			-0.03	0.46	TM3.1	0.05	PASS
			-1.59	-2.48	TM3.2	0.05	PASS
			-1.46	-2.86	TM3.3	0.05	PASS
		4	-0.10	2.58	TM2.0	0.05	PASS
			-0.44	0.68	TM3.1	0.05	PASS
			1.56	-1.12	TM3.2	0.05	PASS
			0.01	-1.08	TM3.3	0.05	PASS
10		1	1.69	1.99	TM2.0	0.05	PASS
			0.30	-0.15	TM3.1	0.05	PASS
			-0.82	-2.44	TM3.2	0.05	PASS
			0.01	-1.41	TM3.3	0.05	PASS
		2	0.51	1.73	TM2.0	0.05	PASS
			-1.74	-1.83	TM3.1	0.05	PASS
			1.25	0.69	TM3.2	0.05	PASS
			2.59	0.84	TM3.3	0.05	PASS
		3	2.06	-2.30	TM2.0	0.05	PASS
			2.28	0.06	TM3.1	0.05	PASS
			-1.50	2.73	TM3.2	0.05	PASS
			0.32	1.48	TM3.3	0.05	PASS
		4	2.30	-2.30	TM2.0	0.05	PASS
			-0.51	1.15	TM3.1	0.05	PASS
			-0.75	2.84	TM3.2	0.05	PASS
			-2.49	0.81	TM3.3	0.05	PASS
20		1	-2.74	-2.18	TM2.0	0.05	PASS
			2.70	-2.82	TM3.1	0.05	PASS
			0.72	-2.57	TM3.2	0.05	PASS
			0.01	-2.23	TM3.3	0.05	PASS
		2	2.47	-2.18	TM2.0	0.05	PASS
			-1.10	-1.68	TM3.1	0.05	PASS
			-2.00	0.18	TM3.2	0.05	PASS
			0.30	2.07	TM3.3	0.05	PASS
		3	0.50	-2.09	TM2.0	0.05	PASS

			-0.22	-0.27	TM3. 1	0.05	PASS	
			-2.93	-0.59	TM3. 2	0.05	PASS	
			-2.13	-2.18	TM3. 3	0.05	PASS	
		4		-1.79	-2.91	TM2. 0	0.05	PASS
				-1.37	2.57	TM3. 1	0.05	PASS
				-0.22	-0.19	TM3. 2	0.05	PASS
				1.46	-1.51	TM3. 3	0.05	PASS
30	1		2.92	-2.69	TM2. 0	0.05	PASS	
			1.25	-2.62	TM3. 1	0.05	PASS	
			0.51	1.91	TM3. 2	0.05	PASS	
			-0.06	2.80	TM3. 3	0.05	PASS	
	2		-0.86	2.40	TM2. 0	0.05	PASS	
			-0.92	-1.28	TM3. 1	0.05	PASS	
			-2.62	-1.30	TM3. 2	0.05	PASS	
			-1.93	-2.08	TM3. 3	0.05	PASS	
	3		-0.03	-0.99	TM2. 0	0.05	PASS	
			1.68	-1.95	TM3. 1	0.05	PASS	
			1.95	-1.14	TM3. 2	0.05	PASS	
			-2.56	0.74	TM3. 3	0.05	PASS	
	4		0.88	0.47	TM2. 0	0.05	PASS	
			0.39	2.83	TM3. 1	0.05	PASS	
			-2.56	2.19	TM3. 2	0.05	PASS	
			-2.48	-1.19	TM3. 3	0.05	PASS	
40	1		2.89	1.80	TM2. 0	0.05	PASS	
			2.61	2.04	TM3. 1	0.05	PASS	
			-2.72	-1.68	TM3. 2	0.05	PASS	
			2.62	-0.28	TM3. 3	0.05	PASS	
	2		0.52	2.46	TM2. 0	0.05	PASS	
			0.72	2.05	TM3. 1	0.05	PASS	
			0.31	-1.59	TM3. 2	0.05	PASS	
			2.82	-1.08	TM3. 3	0.05	PASS	
	3		-0.54	1.84	TM2. 0	0.05	PASS	
			0.97	0.54	TM3. 1	0.05	PASS	
			2.61	2.42	TM3. 2	0.05	PASS	
			1.67	1.86	TM3. 3	0.05	PASS	
	4		-2.30	2.94	TM2. 0	0.05	PASS	
			0.24	-1.79	TM3. 1	0.05	PASS	
			1.00	1.48	TM3. 2	0.05	PASS	
			-2.39	1.74	TM3. 3	0.05	PASS	
50	1		2.53	-0.37	TM2. 0	0.05	PASS	
			2.20	2.35	TM3. 1	0.05	PASS	
			-0.77	-0.12	TM3. 2	0.05	PASS	



		2	-2.90	0.81	TM3.3	0.05	PASS		
			-0.32	-2.61	TM2.0	0.05	PASS		
			1.77	1.19	TM3.1	0.05	PASS		
			-2.53	-2.72	TM3.2	0.05	PASS		
			-2.57	0.40	TM3.3	0.05	PASS		
		3	-2.20	-2.63	TM2.0	0.05	PASS		
			0.49	-2.33	TM3.1	0.05	PASS		
			-1.66	-0.05	TM3.2	0.05	PASS		
			1.72	-0.86	TM3.3	0.05	PASS		
		4	2.67	2.58	TM2.0	0.05	PASS		
			2.27	0.05	TM3.1	0.05	PASS		
			0.75	-1.73	TM3.2	0.05	PASS		
			-1.08	1.17	TM3.3	0.05	PASS		
		55		1	-2.66	-0.22	TM2.0	0.05	PASS
					-1.35	-1.42	TM3.1	0.05	PASS
					2.35	-1.94	TM3.2	0.05	PASS
0.02	1.59				TM3.3	0.05	PASS		
2	-0.69			-0.58	TM2.0	0.05	PASS		
	1.65			1.50	TM3.1	0.05	PASS		
	1.19			0.06	TM3.2	0.05	PASS		
	2.72			-0.37	TM3.3	0.05	PASS		
3	2.40			-1.56	TM2.0	0.05	PASS		
	-2.19			0.97	TM3.1	0.05	PASS		
	2.01			2.89	TM3.2	0.05	PASS		
	2.35			-2.47	TM3.3	0.05	PASS		
4	0.37			-2.48	TM2.0	0.05	PASS		
	-1.88			-2.27	TM3.1	0.05	PASS		
	-2.56			-0.75	TM3.2	0.05	PASS		
	-1.81			-0.83	TM3.3	0.05	PASS		

**( Channel Bandwidth:20MHz&20MHz Frequency :2135MHz&2160MHz )**

Temperature (°C)	Power Supplied (VDC)	Port	Frequency Measure Error( Hz)		E-TM	Limit( ppm)	Result
			Carrier 1	Carrier 2			
-40	-48	1	-1.71	1.75	TM2.0	0.05	PASS
			-1.98	-1.70	TM3.1	0.05	PASS
			0.25	-1.39	TM3.2	0.05	PASS
			-2.56	-0.44	TM3.3	0.05	PASS
		2	-1.26	0.19	TM2.0	0.05	PASS
			0.39	0.01	TM3.1	0.05	PASS
			-2.75	2.39	TM3.2	0.05	PASS
			-1.33	-1.37	TM3.3	0.05	PASS

		3	1.43	-2.27	TM2.0	0.05	PASS	
			2.62	2.01	TM3.1	0.05	PASS	
			-0.91	2.22	TM3.2	0.05	PASS	
			1.46	1.59	TM3.3	0.05	PASS	
		4	-0.36	0.60	TM2.0	0.05	PASS	
			1.79	2.84	TM3.1	0.05	PASS	
			-1.92	2.14	TM3.2	0.05	PASS	
			-2.93	-2.13	TM3.3	0.05	PASS	
	-30		1	1.25	-1.95	TM2.0	0.05	PASS
				0.47	1.25	TM3.1	0.05	PASS
				-2.64	-0.78	TM3.2	0.05	PASS
				2.04	-1.38	TM3.3	0.05	PASS
			2	1.34	0.32	TM2.0	0.05	PASS
				0.12	0.29	TM3.1	0.05	PASS
				-2.17	2.22	TM3.2	0.05	PASS
				0.36	-2.84	TM3.3	0.05	PASS
3		2.05	-0.53	TM2.0	0.05	PASS		
		2.09	1.63	TM3.1	0.05	PASS		
		1.26	2.51	TM3.2	0.05	PASS		
		-1.01	-2.08	TM3.3	0.05	PASS		
4		2.34	-1.41	TM2.0	0.05	PASS		
		2.41	-2.35	TM3.1	0.05	PASS		
		-2.46	-2.15	TM3.2	0.05	PASS		
		-0.45	1.39	TM3.3	0.05	PASS		
-20		1	0.31	-0.37	TM2.0	0.05	PASS	
			2.33	-1.14	TM3.1	0.05	PASS	
			0.31	-2.77	TM3.2	0.05	PASS	
			-1.34	0.66	TM3.3	0.05	PASS	
		2	-2.17	0.67	TM2.0	0.05	PASS	
			-0.78	-0.36	TM3.1	0.05	PASS	
			-1.74	-1.55	TM3.2	0.05	PASS	
			0.55	0.07	TM3.3	0.05	PASS	
	3	2.31	-0.65	TM2.0	0.05	PASS		
		-1.28	1.60	TM3.1	0.05	PASS		
		-0.38	-1.42	TM3.2	0.05	PASS		
		-2.82	2.73	TM3.3	0.05	PASS		
	4	-2.80	2.78	TM2.0	0.05	PASS		
		-1.24	-0.83	TM3.1	0.05	PASS		
		-2.64	0.67	TM3.2	0.05	PASS		
		1.69	1.49	TM3.3	0.05	PASS		
-10		1	0.40	2.39	TM2.0	0.05	PASS	
			2.37	0.90	TM3.1	0.05	PASS	

			-1.52	-1.07	TM3. 2	0.05	PASS	
			1.50	-1.46	TM3. 3	0.05	PASS	
		2	-2.92	0.76	TM2. 0	0.05	PASS	
			1.82	1.16	TM3. 1	0.05	PASS	
			1.82	1.35	TM3. 2	0.05	PASS	
			-0.83	-2.55	TM3. 3	0.05	PASS	
		3	0.00	-1.47	TM2. 0	0.05	PASS	
			2.79	0.14	TM3. 1	0.05	PASS	
			-1.50	-2.26	TM3. 2	0.05	PASS	
			-0.69	-1.09	TM3. 3	0.05	PASS	
		4	2.03	2.26	TM2. 0	0.05	PASS	
			-2.34	1.13	TM3. 1	0.05	PASS	
			1.39	1.71	TM3. 2	0.05	PASS	
			2.49	-0.43	TM3. 3	0.05	PASS	
		0	1	0.78	2.96	TM2. 0	0.05	PASS
				1.39	-0.07	TM3. 1	0.05	PASS
-0.16	1.50			TM3. 2	0.05	PASS		
1.42	0.20			TM3. 3	0.05	PASS		
2	-0.28		-2.93	TM2. 0	0.05	PASS		
	-1.60		0.47	TM3. 1	0.05	PASS		
	-1.47		-2.74	TM3. 2	0.05	PASS		
	2.26		0.87	TM3. 3	0.05	PASS		
3	2.40		1.50	TM2. 0	0.05	PASS		
	-1.44		-1.73	TM3. 1	0.05	PASS		
	0.04		-1.29	TM3. 2	0.05	PASS		
	-0.42		1.30	TM3. 3	0.05	PASS		
4	-2.24		2.16	TM2. 0	0.05	PASS		
	2.42		-1.12	TM3. 1	0.05	PASS		
	0.41		2.54	TM3. 2	0.05	PASS		
	-0.16		-2.83	TM3. 3	0.05	PASS		
10	1	-1.94	-1.82	TM2. 0	0.05	PASS		
		2.90	-0.01	TM3. 1	0.05	PASS		
		0.67	2.61	TM3. 2	0.05	PASS		
		0.38	-1.81	TM3. 3	0.05	PASS		
	2	1.67	-1.41	TM2. 0	0.05	PASS		
		-2.25	-0.93	TM3. 1	0.05	PASS		
		1.23	-2.56	TM3. 2	0.05	PASS		
		0.19	2.01	TM3. 3	0.05	PASS		
	3	-0.72	-2.80	TM2. 0	0.05	PASS		
		2.97	-0.57	TM3. 1	0.05	PASS		
		-2.19	-2.86	TM3. 2	0.05	PASS		
		1.45	0.71	TM3. 3	0.05	PASS		

		4	1.42	2.69	TM2.0	0.05	PASS
			1.74	2.73	TM3.1	0.05	PASS
			-1.75	-1.77	TM3.2	0.05	PASS
			-1.83	1.28	TM3.3	0.05	PASS
20		1	-0.02	-0.49	TM2.0	0.05	PASS
			-0.96	0.09	TM3.1	0.05	PASS
			1.97	0.65	TM3.2	0.05	PASS
			-1.19	-0.46	TM3.3	0.05	PASS
		2	2.28	0.84	TM2.0	0.05	PASS
			2.46	2.11	TM3.1	0.05	PASS
			-1.98	2.40	TM3.2	0.05	PASS
			1.57	1.09	TM3.3	0.05	PASS
		3	-0.08	-0.95	TM2.0	0.05	PASS
			1.87	2.90	TM3.1	0.05	PASS
			0.19	-2.80	TM3.2	0.05	PASS
			2.74	-1.99	TM3.3	0.05	PASS
	4	0.35	-2.23	TM2.0	0.05	PASS	
		2.44	-1.26	TM3.1	0.05	PASS	
		2.76	0.73	TM3.2	0.05	PASS	
		0.85	-2.45	TM3.3	0.05	PASS	
30		1	0.88	1.07	TM2.0	0.05	PASS
			1.62	-1.75	TM3.1	0.05	PASS
			0.86	1.12	TM3.2	0.05	PASS
			1.97	1.20	TM3.3	0.05	PASS
		2	1.86	2.13	TM2.0	0.05	PASS
			-0.83	1.94	TM3.1	0.05	PASS
			1.25	-1.65	TM3.2	0.05	PASS
			-0.33	-0.31	TM3.3	0.05	PASS
		3	2.04	-2.57	TM2.0	0.05	PASS
			0.11	0.74	TM3.1	0.05	PASS
			-0.57	-2.21	TM3.2	0.05	PASS
			-2.12	0.85	TM3.3	0.05	PASS
	4	-1.84	-0.89	TM2.0	0.05	PASS	
		0.61	-0.50	TM3.1	0.05	PASS	
		-0.78	2.44	TM3.2	0.05	PASS	
		-2.39	2.42	TM3.3	0.05	PASS	
40		1	-2.59	-2.17	TM2.0	0.05	PASS
			0.26	-1.17	TM3.1	0.05	PASS
			0.39	-2.57	TM3.2	0.05	PASS
			1.69	-0.26	TM3.3	0.05	PASS
		2	2.77	-0.27	TM2.0	0.05	PASS
			-0.18	-0.93	TM3.1	0.05	PASS

			-1.73	0.96	TM3.2	0.05	PASS		
			0.01	1.30	TM3.3	0.05	PASS		
		3		-2.43	2.36	TM2.0	0.05	PASS	
				2.19	-0.10	TM3.1	0.05	PASS	
				-1.54	-2.95	TM3.2	0.05	PASS	
				0.95	0.78	TM3.3	0.05	PASS	
				-0.43	-1.92	TM2.0	0.05	PASS	
		4		2.84	-2.38	TM3.1	0.05	PASS	
				-1.31	-2.31	TM3.2	0.05	PASS	
				1.51	0.22	TM3.3	0.05	PASS	
				1.11	-1.82	TM2.0	0.05	PASS	
		50		1	-0.53	-0.41	TM3.1	0.05	PASS
					2.84	2.10	TM3.2	0.05	PASS
					2.66	-1.74	TM3.3	0.05	PASS
					2.21	0.31	TM2.0	0.05	PASS
				2		-1.03	-0.38	TM3.1	0.05
2.84	-1.11					TM3.2	0.05	PASS	
-0.25	-0.90					TM3.3	0.05	PASS	
-2.48	2.63					TM2.0	0.05	PASS	
3				-0.69	2.08	TM3.1	0.05	PASS	
				0.64	-0.32	TM3.2	0.05	PASS	
				2.84	2.72	TM3.3	0.05	PASS	
				-2.62	-0.40	TM2.0	0.05	PASS	
4				-1.08	2.08	TM3.1	0.05	PASS	
				1.21	-2.86	TM3.2	0.05	PASS	
				0.24	-1.02	TM3.3	0.05	PASS	
				-2.13	-0.99	TM2.0	0.05	PASS	
55		1	-0.15	-1.94	TM3.1	0.05	PASS		
			2.42	0.31	TM3.2	0.05	PASS		
			-2.67	1.30	TM3.3	0.05	PASS		
			1.04	-1.41	TM2.0	0.05	PASS		
		2		1.81	2.00	TM3.1	0.05	PASS	
				2.53	-0.39	TM3.2	0.05	PASS	
				-2.16	-1.85	TM3.3	0.05	PASS	
				0.69	0.53	TM2.0	0.05	PASS	
		3		2.73	-2.43	TM3.1	0.05	PASS	
				2.88	-0.32	TM3.2	0.05	PASS	
				-0.29	2.00	TM3.3	0.05	PASS	
				-1.13	-1.97	TM2.0	0.05	PASS	
		4		0.29	-0.09	TM3.1	0.05	PASS	
				0.15	2.79	TM3.2	0.05	PASS	
				2.56	-2.47	TM3.3	0.05	PASS	

### Frequency Stability Versus Voltage

(Channel Bandwidth:5MHz+5MHz Frequency :2112.5MHz&2152.5MHz)

Power Supplied (VDC)	Temperature (°C)	Port	Frequency Measure Error ( Hz)		E-TM	Limit ( ppm)	Result
			Carrier 1	Carrier 2			
-40	20	1	2.52	-1.61	TM2.0	0.05	PASS
			0.05	-2.73	TM3.1	0.05	PASS
			-1.15	2.81	TM3.2	0.05	PASS
			-1.19	2.45	TM3.3	0.05	PASS
		2	2.17	-0.90	TM2.0	0.05	PASS
			0.79	-1.79	TM3.1	0.05	PASS
			1.55	-1.74	TM3.2	0.05	PASS
			-2.26	-2.96	TM3.3	0.05	PASS
		3	2.27	1.51	TM2.0	0.05	PASS
			2.62	0.96	TM3.1	0.05	PASS
			-1.39	-0.59	TM3.2	0.05	PASS
			-1.85	-2.65	TM3.3	0.05	PASS
		4	-1.76	2.89	TM2.0	0.05	PASS
			-0.74	-0.96	TM3.1	0.05	PASS
			-2.49	-1.16	TM3.2	0.05	PASS
			-0.32	1.34	TM3.3	0.05	PASS
-44	20	1	-3.00	2.21	TM2.0	0.05	PASS
			2.13	1.70	TM3.1	0.05	PASS
			-2.63	-2.45	TM3.2	0.05	PASS
			-2.22	-0.94	TM3.3	0.05	PASS
		2	-0.41	0.23	TM2.0	0.05	PASS
			-2.70	0.37	TM3.1	0.05	PASS
			-1.03	-0.70	TM3.2	0.05	PASS
			1.93	1.58	TM3.3	0.05	PASS
		3	-0.05	2.79	TM2.0	0.05	PASS
			-1.28	-2.78	TM3.1	0.05	PASS
			0.17	-0.20	TM3.2	0.05	PASS
			0.70	2.66	TM3.3	0.05	PASS
		4	-1.00	-2.90	TM2.0	0.05	PASS
			-2.57	-0.31	TM3.1	0.05	PASS
			0.03	-0.48	TM3.2	0.05	PASS
			-0.28	-1.21	TM3.3	0.05	PASS
-48	20	1	-2.13	-1.83	TM2.0	0.05	PASS
			-0.40	-0.17	TM3.1	0.05	PASS
			-0.31	-0.49	TM3.2	0.05	PASS
			-1.86	-1.27	TM3.3	0.05	PASS
		2	-0.50	2.44	TM2.0	0.05	PASS

			1.30	-0.86	TM3.1	0.05	PASS	
			-2.02	-0.93	TM3.2	0.05	PASS	
			2.47	1.98	TM3.3	0.05	PASS	
		3		0.62	0.11	TM2.0	0.05	PASS
				2.33	2.27	TM3.1	0.05	PASS
				1.69	0.86	TM3.2	0.05	PASS
				1.99	0.02	TM3.3	0.05	PASS
		4		-1.79	-0.09	TM2.0	0.05	PASS
				-0.41	-2.61	TM3.1	0.05	PASS
				1.60	-0.59	TM3.2	0.05	PASS
				0.10	0.76	TM3.3	0.05	PASS
		-52		1	0.94	1.08	TM2.0	0.05
-2.09	1.74				TM3.1	0.05	PASS	
-2.28	-2.13				TM3.2	0.05	PASS	
-2.93	-2.65				TM3.3	0.05	PASS	
2				-1.02	-1.47	TM2.0	0.05	PASS
				-1.73	0.39	TM3.1	0.05	PASS
				0.13	-0.16	TM3.2	0.05	PASS
				1.38	0.17	TM3.3	0.05	PASS
3				-1.11	-1.44	TM2.0	0.05	PASS
				0.08	0.44	TM3.1	0.05	PASS
				-2.77	0.18	TM3.2	0.05	PASS
				-1.27	1.68	TM3.3	0.05	PASS
4		0.07	-1.38	TM2.0	0.05	PASS		
		-0.50	-0.55	TM3.1	0.05	PASS		
		0.61	-2.78	TM3.2	0.05	PASS		
		2.29	1.03	TM3.3	0.05	PASS		
-60		1	-1.46	0.63	TM2.0	0.05	PASS	
			-0.70	-2.83	TM3.1	0.05	PASS	
			0.62	1.61	TM3.2	0.05	PASS	
			-0.16	1.70	TM3.3	0.05	PASS	
		2		2.50	-2.86	TM2.0	0.05	PASS
				-2.39	2.82	TM3.1	0.05	PASS
				-0.11	1.95	TM3.2	0.05	PASS
				1.12	2.10	TM3.3	0.05	PASS
		3		2.86	-1.50	TM2.0	0.05	PASS
				2.90	-2.09	TM3.1	0.05	PASS
				2.21	1.53	TM3.2	0.05	PASS
				-0.44	-1.14	TM3.3	0.05	PASS
4		-1.87	0.89	TM2.0	0.05	PASS		
		-1.71	0.58	TM3.1	0.05	PASS		
		-2.13	-2.52	TM3.2	0.05	PASS		

			0.15	1.70	TM3.3	0.05	PASS
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(Channel Bandwidth:5MHz+5MHz Frequency :2120MHz&2160MHz)

Power Supplied (VDC)	Temperature (°C)	Port	Frequency Measure Error (Hz)		E-TM	Limit (ppm)	Result
			Carrier 1	Carrier 2			
-40	20	1	-2.49	1.94	TM2.0	0.05	PASS
			-1.83	-1.24	TM3.1	0.05	PASS
			-0.85	-1.76	TM3.2	0.05	PASS
			-1.27	2.88	TM3.3	0.05	PASS
		2	0.97	-2.59	TM2.0	0.05	PASS
			-1.53	-2.75	TM3.1	0.05	PASS
			1.18	-1.75	TM3.2	0.05	PASS
			1.92	0.49	TM3.3	0.05	PASS
		3	-0.34	-1.35	TM2.0	0.05	PASS
			1.23	-0.51	TM3.1	0.05	PASS
			0.40	2.32	TM3.2	0.05	PASS
			2.46	-0.31	TM3.3	0.05	PASS
		4	-2.12	0.38	TM2.0	0.05	PASS
			1.87	-0.61	TM3.1	0.05	PASS
			0.06	1.13	TM3.2	0.05	PASS
			0.24	-1.68	TM3.3	0.05	PASS
-44	20	1	-2.42	2.63	TM2.0	0.05	PASS
			0.43	2.40	TM3.1	0.05	PASS
			1.76	-1.18	TM3.2	0.05	PASS
			-2.73	-1.90	TM3.3	0.05	PASS
		2	-1.53	1.18	TM2.0	0.05	PASS
			-2.32	-0.95	TM3.1	0.05	PASS
			0.56	1.01	TM3.2	0.05	PASS
			1.37	-1.46	TM3.3	0.05	PASS
		3	1.19	-0.19	TM2.0	0.05	PASS
			2.73	1.55	TM3.1	0.05	PASS
			1.08	0.11	TM3.2	0.05	PASS
			1.32	-0.74	TM3.3	0.05	PASS
		4	-1.59	-0.56	TM2.0	0.05	PASS
			-0.65	-0.59	TM3.1	0.05	PASS
			2.19	-1.15	TM3.2	0.05	PASS
			-1.30	0.60	TM3.3	0.05	PASS
-48	20	1	0.03	-0.21	TM2.0	0.05	PASS
			-1.05	-2.82	TM3.1	0.05	PASS
			0.99	1.36	TM3.2	0.05	PASS
			-2.28	0.05	TM3.3	0.05	PASS



		2	2.04	-1.53	TM2.0	0.05	PASS
			1.27	2.43	TM3.1	0.05	PASS
			1.88	2.48	TM3.2	0.05	PASS
			-0.78	-2.90	TM3.3	0.05	PASS
		3	-2.60	1.96	TM2.0	0.05	PASS
			-1.34	-1.99	TM3.1	0.05	PASS
			0.41	-0.08	TM3.2	0.05	PASS
			-0.12	2.93	TM3.3	0.05	PASS
		4	1.45	2.85	TM2.0	0.05	PASS
			-1.58	-2.41	TM3.1	0.05	PASS
			-0.61	1.21	TM3.2	0.05	PASS
			-1.18	1.49	TM3.3	0.05	PASS
-52		1	-1.57	1.62	TM2.0	0.05	PASS
			-1.91	2.01	TM3.1	0.05	PASS
			-2.34	-0.21	TM3.2	0.05	PASS
			-0.68	-2.35	TM3.3	0.05	PASS
		2	1.97	-0.89	TM2.0	0.05	PASS
			-0.77	1.88	TM3.1	0.05	PASS
			-2.40	-2.74	TM3.2	0.05	PASS
			1.05	-2.96	TM3.3	0.05	PASS
		3	2.16	2.09	TM2.0	0.05	PASS
			1.91	2.20	TM3.1	0.05	PASS
			1.60	-0.61	TM3.2	0.05	PASS
			-1.91	-1.93	TM3.3	0.05	PASS
4	-0.40	2.81	TM2.0	0.05	PASS		
	-1.05	-2.39	TM3.1	0.05	PASS		
	0.75	0.50	TM3.2	0.05	PASS		
	2.89	0.71	TM3.3	0.05	PASS		
-60		1	1.95	0.75	TM2.0	0.05	PASS
			-0.96	-2.95	TM3.1	0.05	PASS
			-1.43	0.73	TM3.2	0.05	PASS
			-2.15	2.80	TM3.3	0.05	PASS
		2	0.84	-2.55	TM2.0	0.05	PASS
			-0.80	-2.40	TM3.1	0.05	PASS
			-1.55	0.66	TM3.2	0.05	PASS
			-2.74	-1.59	TM3.3	0.05	PASS
		3	2.96	0.47	TM2.0	0.05	PASS
			0.19	-2.10	TM3.1	0.05	PASS
			1.04	1.54	TM3.2	0.05	PASS
			-1.10	1.33	TM3.3	0.05	PASS
4	-2.13	0.46	TM2.0	0.05	PASS		
	1.77	-2.86	TM3.1	0.05	PASS		

			-2.65	1.39	TM3.2	0.05	PASS
			-0.03	2.63	TM3.3	0.05	PASS

**( Channel Bandwidth:5MHz+5MHz Frequency :2127.5MHz&2167.5MHz)**

Power Supplied (VDC)	Temperature (°C)	Port	Frequency Measure Error( Hz)		E-TM	Limit ( ppm)	Result
			Carrier 1	Carrier 2			
-40	20	1	0.11	0.97	TM2.0	0.05	PASS
			2.70	-0.85	TM3.1	0.05	PASS
			1.69	2.35	TM3.2	0.05	PASS
			-1.06	-1.18	TM3.3	0.05	PASS
		2	0.07	-0.49	TM2.0	0.05	PASS
			1.43	-2.85	TM3.1	0.05	PASS
			3.00	2.51	TM3.2	0.05	PASS
			2.38	2.43	TM3.3	0.05	PASS
		3	-0.29	1.57	TM2.0	0.05	PASS
			-0.90	2.97	TM3.1	0.05	PASS
			-2.09	2.07	TM3.2	0.05	PASS
			-2.42	1.79	TM3.3	0.05	PASS
		4	1.43	0.82	TM2.0	0.05	PASS
			-1.11	0.94	TM3.1	0.05	PASS
			2.73	-2.64	TM3.2	0.05	PASS
			-1.82	2.93	TM3.3	0.05	PASS
-44	20	1	2.09	-0.72	TM2.0	0.05	PASS
			1.44	2.51	TM3.1	0.05	PASS
			2.62	-0.23	TM3.2	0.05	PASS
			-2.91	-2.33	TM3.3	0.05	PASS
		2	-1.93	-1.69	TM2.0	0.05	PASS
			-1.64	2.56	TM3.1	0.05	PASS
			-0.62	0.64	TM3.2	0.05	PASS
			-2.72	-2.97	TM3.3	0.05	PASS
		3	-1.86	-2.64	TM2.0	0.05	PASS
			2.77	1.60	TM3.1	0.05	PASS
			-0.76	-0.44	TM3.2	0.05	PASS
			2.42	2.75	TM3.3	0.05	PASS
4	1.06	0.08	TM2.0	0.05	PASS		
	0.12	-0.50	TM3.1	0.05	PASS		
	1.10	0.17	TM3.2	0.05	PASS		
	-2.46	1.80	TM3.3	0.05	PASS		
-48	20	1	-2.12	2.64	TM2.0	0.05	PASS
			-0.56	1.76	TM3.1	0.05	PASS
			1.63	0.71	TM3.2	0.05	PASS

			-1.94	2.00	TM3.3	0.05	PASS			
		2		1.64	1.65	TM2.0	0.05	PASS		
				-2.24	-2.63	TM3.1	0.05	PASS		
				0.88	1.74	TM3.2	0.05	PASS		
				0.64	2.62	TM3.3	0.05	PASS		
				-2.57	-0.46	TM2.0	0.05	PASS		
		3		1.77	2.81	TM3.1	0.05	PASS		
				-2.00	-0.83	TM3.2	0.05	PASS		
				1.77	2.14	TM3.3	0.05	PASS		
				-1.51	-2.95	TM2.0	0.05	PASS		
		4		1.92	1.15	TM3.1	0.05	PASS		
				0.80	-1.98	TM3.2	0.05	PASS		
				0.10	-2.96	TM3.3	0.05	PASS		
				-2.27	1.05	TM2.0	0.05	PASS		
		-52		1		1.83	3.00	TM3.1	0.05	PASS
						1.74	-1.31	TM3.2	0.05	PASS
	-2.62				-2.33	TM3.3	0.05	PASS		
	1.96				2.82	TM2.0	0.05	PASS		
2				-2.82	1.05	TM3.1	0.05	PASS		
				2.76	-0.48	TM3.2	0.05	PASS		
				0.17	2.95	TM3.3	0.05	PASS		
				-0.61	-0.18	TM2.0	0.05	PASS		
3				-2.56	2.27	TM3.1	0.05	PASS		
				-1.76	-0.65	TM3.2	0.05	PASS		
				-2.61	-1.48	TM3.3	0.05	PASS		
				1.64	0.69	TM2.0	0.05	PASS		
4				0.48	-1.48	TM3.1	0.05	PASS		
				-1.51	-0.89	TM3.2	0.05	PASS		
				2.20	1.86	TM3.3	0.05	PASS		
				1.99	-1.35	TM2.0	0.05	PASS		
-60		1		-0.24	-2.41	TM3.1	0.05	PASS		
				1.24	2.54	TM3.2	0.05	PASS		
				-1.27	0.88	TM3.3	0.05	PASS		
				1.95	1.14	TM2.0	0.05	PASS		
		2		-2.79	0.99	TM3.1	0.05	PASS		
				-0.63	-2.53	TM3.2	0.05	PASS		
				2.15	1.65	TM3.3	0.05	PASS		
				0.11	0.55	TM2.0	0.05	PASS		
		3		0.80	-0.92	TM3.1	0.05	PASS		
				-2.97	-2.90	TM3.2	0.05	PASS		
				0.56	-1.04	TM3.3	0.05	PASS		
				-0.74	-2.19	TM2.0	0.05	PASS		

			-1.43	1.33	TM3.1	0.05	PASS
			-1.54	1.52	TM3.2	0.05	PASS
			0.04	0.90	TM3.3	0.05	PASS

**( Channel Bandwidth:20MHz+20MHz Frequency :2120MHz&2145MHz )**

Power Supplied (VDC)	Temperature (°C)	Port	Frequency Measure Error( Hz)		E-TM	Limit (ppm)	Result
			Carrier 1	Carrier 2			
-40	20	1	0.36	-2.00	TM2.0	0.05	PASS
			1.10	0.68	TM3.1	0.05	PASS
			-2.06	-2.84	TM3.2	0.05	PASS
			-0.96	2.06	TM3.3	0.05	PASS
		2	-1.28	-1.92	TM2.0	0.05	PASS
			2.54	1.96	TM3.1	0.05	PASS
			-0.19	-2.44	TM3.2	0.05	PASS
			2.91	0.29	TM3.3	0.05	PASS
		3	0.81	-1.06	TM2.0	0.05	PASS
			0.20	1.70	TM3.1	0.05	PASS
			-2.01	2.90	TM3.2	0.05	PASS
			-2.41	0.46	TM3.3	0.05	PASS
		4	-2.72	2.92	TM2.0	0.05	PASS
			1.58	-0.23	TM3.1	0.05	PASS
			0.07	0.23	TM3.2	0.05	PASS
			-2.59	0.65	TM3.3	0.05	PASS
-44	20	1	-1.32	-2.57	TM2.0	0.05	PASS
			-1.46	-1.00	TM3.1	0.05	PASS
			1.31	1.17	TM3.2	0.05	PASS
			-2.08	-2.64	TM3.3	0.05	PASS
		2	-0.41	0.06	TM2.0	0.05	PASS
			0.72	-0.17	TM3.1	0.05	PASS
			-0.96	-0.70	TM3.2	0.05	PASS
			-0.11	2.02	TM3.3	0.05	PASS
		3	-0.98	-2.89	TM2.0	0.05	PASS
			1.86	1.21	TM3.1	0.05	PASS
			-2.17	2.87	TM3.2	0.05	PASS
			1.80	0.14	TM3.3	0.05	PASS
		4	-1.42	1.60	TM2.0	0.05	PASS
			1.28	2.17	TM3.1	0.05	PASS
			2.34	1.78	TM3.2	0.05	PASS
			-1.92	0.95	TM3.3	0.05	PASS
-48	20	1	2.24	1.17	TM2.0	0.05	PASS
			1.88	-0.52	TM3.1	0.05	PASS

			-0.85	0.11	TM3.2	0.05	PASS
			-2.44	2.46	TM3.3	0.05	PASS
		2	-2.00	1.09	TM2.0	0.05	PASS
			0.67	-2.51	TM3.1	0.05	PASS
			-2.99	-2.58	TM3.2	0.05	PASS
			2.33	-1.16	TM3.3	0.05	PASS
			0.93	2.66	TM2.0	0.05	PASS
		3	2.20	1.32	TM3.1	0.05	PASS
			1.18	-2.30	TM3.2	0.05	PASS
			2.75	0.20	TM3.3	0.05	PASS
			-2.99	-0.89	TM2.0	0.05	PASS
		4	-1.07	-2.76	TM3.1	0.05	PASS
			-0.36	-2.07	TM3.2	0.05	PASS
			-2.11	2.19	TM3.3	0.05	PASS
			0.29	2.78	TM2.0	0.05	PASS
		-52	1	0.83	2.78	TM3.1	0.05
-2.42	-2.57			TM3.2	0.05	PASS	
-0.16	0.30			TM3.3	0.05	PASS	
0.12	1.00			TM2.0	0.05	PASS	
2	0.32	2.11	TM3.1	0.05	PASS		
	-0.65	1.36	TM3.2	0.05	PASS		
	-1.33	-0.13	TM3.3	0.05	PASS		
	-1.52	1.17	TM2.0	0.05	PASS		
3	1.00	2.25	TM3.1	0.05	PASS		
	1.12	-1.67	TM3.2	0.05	PASS		
	1.12	-1.58	TM3.3	0.05	PASS		
	2.93	-0.82	TM2.0	0.05	PASS		
4	0.34	0.27	TM3.1	0.05	PASS		
	1.54	-0.55	TM3.2	0.05	PASS		
	1.60	0.27	TM3.3	0.05	PASS		
	-2.49	2.94	TM2.0	0.05	PASS		
-60	1	-0.02	-2.69	TM3.1	0.05	PASS	
		-0.23	1.24	TM3.2	0.05	PASS	
		-2.46	-1.56	TM3.3	0.05	PASS	
		2.75	0.25	TM2.0	0.05	PASS	
	2	-1.47	-0.04	TM3.1	0.05	PASS	
		2.00	-2.75	TM3.2	0.05	PASS	
		2.52	-2.61	TM3.3	0.05	PASS	
		-0.32	-2.00	TM2.0	0.05	PASS	
	3	1.72	1.70	TM3.1	0.05	PASS	
		0.16	0.63	TM3.2	0.05	PASS	
		-0.78	-0.49	TM3.3	0.05	PASS	

		4	1.29	1.36	TM2.0	0.05	PASS
			1.73	-1.68	TM3.1	0.05	PASS
			-2.28	2.38	TM3.2	0.05	PASS
			1.86	2.74	TM3.3	0.05	PASS

( Channel Bandwidth:20MHz+20MHz Frequency :2127.5MHz&2152.5MHz)

Power Supplied (VDC)	Temperature (°C)	Port	Frequency Measure Error ( Hz)		E-TM	Limit ( ppm)	Result
			Carrier 1	Carrier 2			
-40	20	1	-1.34	1.30	TM2.0	0.05	PASS
			2.57	-2.01	TM3.1	0.05	PASS
			1.94	0.81	TM3.2	0.05	PASS
			-0.52	0.27	TM3.3	0.05	PASS
		2	2.33	1.95	TM2.0	0.05	PASS
			-0.31	1.38	TM3.1	0.05	PASS
			-2.35	-2.27	TM3.2	0.05	PASS
			-0.31	0.39	TM3.3	0.05	PASS
		3	2.62	-2.58	TM2.0	0.05	PASS
			2.10	-1.89	TM3.1	0.05	PASS
			0.97	2.88	TM3.2	0.05	PASS
			2.66	-2.71	TM3.3	0.05	PASS
		4	-1.23	0.66	TM2.0	0.05	PASS
			-2.59	-1.80	TM3.1	0.05	PASS
			-1.62	0.97	TM3.2	0.05	PASS
			0.53	-1.41	TM3.3	0.05	PASS
-44	20	1	2.15	2.99	TM2.0	0.05	PASS
			0.67	-0.94	TM3.1	0.05	PASS
			-1.61	0.78	TM3.2	0.05	PASS
			1.44	-2.47	TM3.3	0.05	PASS
		2	-0.23	0.88	TM2.0	0.05	PASS
			0.12	-0.60	TM3.1	0.05	PASS
			-1.24	2.37	TM3.2	0.05	PASS
			-0.19	1.45	TM3.3	0.05	PASS
		3	2.21	-1.44	TM2.0	0.05	PASS
			0.22	1.75	TM3.1	0.05	PASS
			1.30	0.34	TM3.2	0.05	PASS
			-1.48	-1.35	TM3.3	0.05	PASS
		4	2.65	2.61	TM2.0	0.05	PASS
			0.20	0.35	TM3.1	0.05	PASS
			-2.57	2.51	TM3.2	0.05	PASS
			-0.21	2.27	TM3.3	0.05	PASS
-48		1	-0.66	2.94	TM2.0	0.05	PASS

			-1.22	-2.12	TM3.1	0.05	PASS	
			1.58	-2.89	TM3.2	0.05	PASS	
			-2.22	2.56	TM3.3	0.05	PASS	
		2		-1.28	-2.85	TM2.0	0.05	PASS
				-1.36	2.34	TM3.1	0.05	PASS
				-0.44	0.41	TM3.2	0.05	PASS
				2.87	1.12	TM3.3	0.05	PASS
		3		2.80	0.16	TM2.0	0.05	PASS
				-2.84	1.27	TM3.1	0.05	PASS
				-2.29	-0.14	TM3.2	0.05	PASS
				-1.40	0.01	TM3.3	0.05	PASS
		4		-0.05	2.31	TM2.0	0.05	PASS
				1.27	-1.98	TM3.1	0.05	PASS
				-0.65	1.36	TM3.2	0.05	PASS
				-0.08	1.02	TM3.3	0.05	PASS
		1		-2.77	0.00	TM2.0	0.05	PASS
-0.73	0.81			TM3.1	0.05	PASS		
-2.90	-1.55			TM3.2	0.05	PASS		
-2.08	1.25			TM3.3	0.05	PASS		
2		1.15	2.61	TM2.0	0.05	PASS		
		-2.53	-1.30	TM3.1	0.05	PASS		
		-0.06	2.77	TM3.2	0.05	PASS		
		-1.91	0.53	TM3.3	0.05	PASS		
3		-1.50	0.47	TM2.0	0.05	PASS		
		1.84	-2.23	TM3.1	0.05	PASS		
		2.00	-2.33	TM3.2	0.05	PASS		
		1.42	2.21	TM3.3	0.05	PASS		
4		0.99	0.43	TM2.0	0.05	PASS		
		-2.61	2.35	TM3.1	0.05	PASS		
		0.90	-1.03	TM3.2	0.05	PASS		
		1.84	0.21	TM3.3	0.05	PASS		
1		-1.49	-2.56	TM2.0	0.05	PASS		
		1.93	-0.18	TM3.1	0.05	PASS		
		-1.07	1.69	TM3.2	0.05	PASS		
		0.27	-0.22	TM3.3	0.05	PASS		
2		-1.27	0.59	TM2.0	0.05	PASS		
		-0.41	0.95	TM3.1	0.05	PASS		
		0.07	-2.40	TM3.2	0.05	PASS		
		0.86	2.23	TM3.3	0.05	PASS		
3		-0.29	-2.34	TM2.0	0.05	PASS		
		0.61	-0.53	TM3.1	0.05	PASS		
		0.81	0.11	TM3.2	0.05	PASS		

-52

-60

			0.78	2.38	TM3.3	0.05	PASS
		4	0.15	0.26	TM2.0	0.05	PASS
			0.31	-0.61	TM3.1	0.05	PASS
			-2.58	-2.80	TM3.2	0.05	PASS
			0.91	-2.79	TM3.3	0.05	PASS

(Channel Bandwidth:5MHz+5MHz Frequency :2135MHz&2160MHz)

Power Supplied (VDC)	Temperature (°C)	Port	Frequency Measure Error (Hz)		E-TM	Limit (ppm)	Result
			Carrier 1	Carrier 2			
-40	20	1	-0.65	2.59	TM2.0	0.05	PASS
			2.94	2.26	TM3.1	0.05	PASS
			-1.00	-1.28	TM3.2	0.05	PASS
			0.45	1.39	TM3.3	0.05	PASS
		2	-0.69	-2.12	TM2.0	0.05	PASS
			0.83	-2.40	TM3.1	0.05	PASS
			0.35	1.31	TM3.2	0.05	PASS
			1.00	2.31	TM3.3	0.05	PASS
		3	-1.15	0.71	TM2.0	0.05	PASS
			1.33	-1.68	TM3.1	0.05	PASS
			0.63	-0.94	TM3.2	0.05	PASS
			-0.43	1.58	TM3.3	0.05	PASS
		4	1.51	1.43	TM2.0	0.05	PASS
			0.89	1.57	TM3.1	0.05	PASS
			2.99	-1.74	TM3.2	0.05	PASS
			-2.49	0.46	TM3.3	0.05	PASS
-44	20	1	1.23	-0.38	TM2.0	0.05	PASS
			-1.01	2.68	TM3.1	0.05	PASS
			-1.45	-2.66	TM3.2	0.05	PASS
			-2.74	-2.61	TM3.3	0.05	PASS
		2	2.63	1.03	TM2.0	0.05	PASS
			1.97	-0.55	TM3.1	0.05	PASS
			1.45	1.84	TM3.2	0.05	PASS
			-0.73	2.90	TM3.3	0.05	PASS
		3	2.41	-1.22	TM2.0	0.05	PASS
			-2.46	2.92	TM3.1	0.05	PASS
			2.53	2.19	TM3.2	0.05	PASS
			-2.64	0.93	TM3.3	0.05	PASS
		4	-2.88	1.61	TM2.0	0.05	PASS
			2.40	-0.31	TM3.1	0.05	PASS
			2.97	2.32	TM3.2	0.05	PASS



			0.47	0.87	TM3.3	0.05	PASS
-48	1		-1.93	1.63	TM2.0	0.05	PASS
			-0.60	2.31	TM3.1	0.05	PASS
			-0.05	2.43	TM3.2	0.05	PASS
			-2.05	2.94	TM3.3	0.05	PASS
	2		1.06	2.52	TM2.0	0.05	PASS
			-2.71	-1.84	TM3.1	0.05	PASS
			-0.92	-1.13	TM3.2	0.05	PASS
			-0.67	1.49	TM3.3	0.05	PASS
	3		1.87	1.13	TM2.0	0.05	PASS
			-0.05	1.62	TM3.1	0.05	PASS
			1.03	1.37	TM3.2	0.05	PASS
			2.05	-1.51	TM3.3	0.05	PASS
	4		-1.59	-2.70	TM2.0	0.05	PASS
			0.16	2.12	TM3.1	0.05	PASS
			2.55	-0.02	TM3.2	0.05	PASS
			-0.73	-2.77	TM3.3	0.05	PASS
-52	1		-0.90	-1.34	TM2.0	0.05	PASS
			2.81	2.81	TM3.1	0.05	PASS
			2.40	-2.33	TM3.2	0.05	PASS
			-2.39	-2.45	TM3.3	0.05	PASS
	2		0.50	-0.07	TM2.0	0.05	PASS
			1.67	2.57	TM3.1	0.05	PASS
			-0.34	-2.91	TM3.2	0.05	PASS
			-2.69	2.79	TM3.3	0.05	PASS
	3		-0.88	-0.94	TM2.0	0.05	PASS
			-1.97	-1.28	TM3.1	0.05	PASS
			2.62	1.45	TM3.2	0.05	PASS
			0.21	2.67	TM3.3	0.05	PASS
	4		-0.04	0.36	TM2.0	0.05	PASS
			0.84	0.37	TM3.1	0.05	PASS
			-0.18	-0.09	TM3.2	0.05	PASS
			-2.19	0.76	TM3.3	0.05	PASS
-60	1		2.20	-2.65	TM2.0	0.05	PASS
			-0.26	-1.61	TM3.1	0.05	PASS
			1.72	-1.98	TM3.2	0.05	PASS
			-1.07	2.10	TM3.3	0.05	PASS
	2		2.20	1.37	TM2.0	0.05	PASS
			1.43	-0.11	TM3.1	0.05	PASS
			-2.59	0.81	TM3.2	0.05	PASS
			-0.42	-1.73	TM3.3	0.05	PASS
	3		2.34	0.38	TM2.0	0.05	PASS

			-0.52	1.33	TM3.1	0.05	PASS
			-1.62	1.68	TM3.2	0.05	PASS
			0.85	0.07	TM3.3	0.05	PASS
		4	1.98	2.59	TM2.0	0.05	PASS
			0.38	-0.93	TM3.1	0.05	PASS
			1.83	2.21	TM3.2	0.05	PASS
			-0.39	2.96	TM3.3	0.05	PASS

**END OF REPORT**