

BAND2

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	1850.824	1850.000	1908.795	1910.000
	-20	7.4	1850.906	1850.000	1908.755	1910.000
	-10	7.4	1851.269	1850.000	1909.076	1910.000
	0	7.4	1850.874	1850.000	1908.947	1910.000
	10	7.4	1850.939	1850.000	1909.064	1910.000
	20	7.4	1850.976	1850.000	1908.842	1910.000
	30	7.4	1851.136	1850.000	1909.134	1910.000
	40	7.4	1850.910	1850.000	1909.051	1910.000
	50	7.4	1850.828	1850.000	1909.078	1910.000
Frequency Stability vs. Voltage	20	6.8	1851.362	1850.000	1908.903	1910.000
	20	8.4	1850.938	1850.000	1908.932	1910.000
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	1851.171	1850.000	1909.225	1910.000
	-20	7.4	1851.286	1850.000	1909.122	1910.000
	-10	7.4	1851.036	1850.000	1908.651	1910.000
	0	7.4	1851.294	1850.000	1909.075	1910.000
	10	7.4	1851.164	1850.000	1909.205	1910.000
	20	7.4	1850.900	1850.000	1909.115	1910.000
	30	7.4	1850.961	1850.000	1909.110	1910.000
	40	7.4	1851.202	1850.000	1908.833	1910.000
	50	7.4	1851.368	1850.000	1909.122	1910.000
Frequency Stability vs. Voltage	20	6.8	1851.176	1850.000	1908.661	1910.000
	20	8.4	1851.325	1850.000	1909.034	1910.000
					Result:	Pass

BAND4

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	1711.072	1710.00	1753.684	1755
	-20	7.4	1711.019	1710.00	1754.092	1755
	-10	7.4	1711.216	1710.00	1754.051	1755
	0	7.4	1711.243	1710.00	1753.797	1755
	10	7.4	1711.075	1710.00	1753.734	1755
	20	7.4	1710.877	1710.00	1754.260	1755
	30	7.4	1710.993	1710.00	1754.123	1755
	40	7.4	1711.001	1710.00	1754.251	1755
	50	7.4	1711.171	1710.00	1753.840	1755
Frequency Stability vs. Voltage	20	6.8	1710.810	1710.00	1753.797	1755
	20	8.4	1711.093	1710.00	1754.134	1755
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	1711.135	1710.00	1754.082	1755
	-20	7.4	1711.262	1710.00	1754.149	1755
	-10	7.4	1711.343	1710.00	1753.811	1755
	0	7.4	1711.217	1710.00	1753.832	1755
	10	7.4	1710.907	1710.00	1753.826	1755
	20	7.4	1710.868	1710.00	1753.759	1755
	30	7.4	1711.290	1710.00	1754.123	1755
	40	7.4	1710.821	1710.00	1754.226	1755
	50	7.4	1711.264	1710.00	1753.932	1755
Frequency Stability vs. Voltage	20	6.8	1711.313	1710.00	1754.032	1755
	20	8.4	1710.924	1710.00	1753.995	1755
					Result:	Pass

BAND5

Test Modulation:	10 MHz QPSK		Test Channel:	836.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	7.4	-5.34	-0.006	2.5
	-20	7.4	-7.43	-0.009	2.5
	-10	7.4	4.70	0.006	2.5
	0	7.4	-5.96	-0.007	2.5
	10	7.4	4.60	0.005	2.5
	20	7.4	8.72	0.010	2.5
	30	7.4	10.40	0.012	2.5
	40	7.4	-6.55	-0.008	2.5
	50	7.4	7.93	0.009	2.5
Frequency Stability vs. Voltage	20	6.8	3.80	0.005	2.5
	20	8.4	4.69	0.006	2.5
				Result:	Pass

Test Modulation:	10 MHz 16QAM		Test Channel:	836.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	7.4	7.68	0.009	2.5
	-20	7.4	-4.77	-0.006	2.5
	-10	7.4	9.39	0.011	2.5
	0	7.4	1.04	0.001	2.5
	10	7.4	12.34	0.015	2.5
	20	7.4	10.95	0.013	2.5
	30	7.4	-6.90	-0.008	2.5
	40	7.4	9.60	0.011	2.5
	50	7.4	6.16	0.007	2.5
Frequency Stability vs. Voltage	20	6.8	2.14	0.003	2.5
	20	8.4	1.39	0.002	2.5
				Result:	Pass

BAND7

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	2501.344	2500.00	2569.136	2570
	-20	7.4	2500.793	2500.00	2568.934	2570
	-10	7.4	2501.092	2500.00	2568.903	2570
	0	7.4	2500.778	2500.00	2568.732	2570
	10	7.4	2500.997	2500.00	2569.091	2570
	20	7.4	2501.326	2500.00	2568.862	2570
	30	7.4	2501.080	2500.00	2568.966	2570
	40	7.4	2501.257	2500.00	2568.843	2570
	50	7.4	2500.965	2500.00	2569.129	2570
Frequency Stability vs. Voltage	20	6.8	2501.021	2500.00	2568.736	2570
	20	8.4	2500.829	2500.00	2568.744	2570
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	2501.086	2500.00	2569.098	2570
	-20	7.4	2501.163	2500.00	2569.086	2570
	-10	7.4	2500.844	2500.00	2568.774	2570
	0	7.4	2501.180	2500.00	2569.150	2570
	10	7.4	2501.311	2500.00	2568.893	2570
	20	7.4	2501.283	2500.00	2568.977	2570
	30	7.4	2501.054	2500.00	2568.790	2570
	40	7.4	2501.245	2500.00	2569.145	2570
	50	7.4	2501.302	2500.00	2568.922	2570
Frequency Stability vs. Voltage	20	6.8	2501.247	2500.00	2568.972	2570
	20	8.4	2501.191	2500.00	2569.278	2570
					Result:	Pass

BAND38

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	2571.149	2570.00	2618.808	2620
	-20	7.4	2571.316	2570.00	2618.801	2620
	-10	7.4	2571.063	2570.00	2619.220	2620
	0	7.4	2570.821	2570.00	2618.826	2620
	10	7.4	2570.844	2570.00	2619.054	2620
	20	7.4	2571.346	2570.00	2619.010	2620
	30	7.4	2571.391	2570.00	2618.695	2620
	40	7.4	2571.301	2570.00	2618.949	2620
	50	7.4	2571.224	2570.00	2619.245	2620
Frequency Stability vs. Voltage	20	6.8	2570.820	2570.00	2618.988	2620
	20	8.4	2571.168	2570.00	2619.254	2620
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	2570.846	2570.00	2618.881	2620
	-20	7.4	2571.154	2570.00	2619.156	2620
	-10	7.4	2571.144	2570.00	2618.786	2620
	0	7.4	2571.099	2570.00	2618.973	2620
	10	7.4	2571.388	2570.00	2618.794	2620
	20	7.4	2570.861	2570.00	2619.122	2620
	30	7.4	2570.888	2570.00	2619.083	2620
	40	7.4	2571.174	2570.00	2619.215	2620
	50	7.4	2571.109	2570.00	2619.017	2620
Frequency Stability vs. Voltage	20	6.8	2571.063	2570.00	2618.803	2620
	20	8.4	2570.820	2570.00	2618.706	2620
					Result:	Pass

BAND41

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	2496.884	2496.00	2688.773	2690
	-20	7.4	2496.910	2496.00	2688.881	2690
	-10	7.4	2497.216	2496.00	2688.762	2690
	0	7.4	2497.325	2496.00	2688.725	2690
	10	7.4	2496.828	2496.00	2688.760	2690
	20	7.4	2496.873	2496.00	2689.169	2690
	30	7.4	2497.038	2496.00	2688.670	2690
	40	7.4	2496.931	2496.00	2688.948	2690
	50	7.4	2497.341	2496.00	2688.671	2690
Frequency Stability vs. Voltage	20	6.8	2496.925	2496.00	2689.158	2690
	20	8.4	2497.016	2496.00	2688.894	2690
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	2497.198	2496.00	2688.819	2690
	-20	7.4	2497.170	2496.00	2688.801	2690
	-10	7.4	2497.183	2496.00	2688.973	2690
	0	7.4	2497.067	2496.00	2689.021	2690
	10	7.4	2497.338	2496.00	2688.680	2690
	20	7.4	2497.112	2496.00	2689.140	2690
	30	7.4	2497.112	2496.00	2688.671	2690
	40	7.4	2497.334	2496.00	2688.900	2690
	50	7.4	2497.131	2496.00	2689.114	2690
Frequency Stability vs. Voltage	20	6.8	2496.810	2496.00	2688.770	2690
	20	8.4	2497.242	2496.00	2688.707	2690
					Result:	Pass