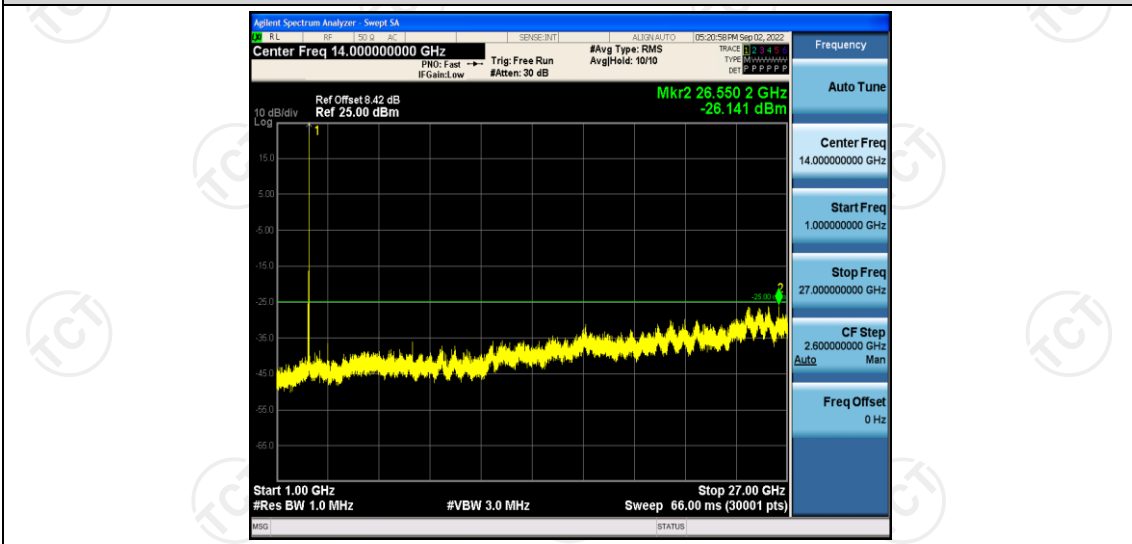


Band41-20MHz-16QAM-41140-1RB#0-Range2:1000~27000MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band41	5MHz	QPSK	40065	25RB#0	VL	NT	7.26	0.002861	±2.5	PASS
Band41	5MHz	QPSK	40065	25RB#0	VN	NT	7.26	0.002861	±2.5	PASS
Band41	5MHz	QPSK	40065	25RB#0	VH	NT	-6.92	-0.002727	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	VL	NT	4.61	0.001780	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	VN	NT	6.49	0.002506	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	VH	NT	-6.35	-0.002452	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VL	NT	7.03	0.002650	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VN	NT	10.82	0.004079	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VH	NT	10.40	0.003921	±2.5	PASS
Band41	5MHz	16QAM	40065	25RB#0	VL	NT	-8.53	-0.003362	±2.5	PASS
Band41	5MHz	16QAM	40065	25RB#0	VN	NT	-6.74	-0.002656	±2.5	PASS
Band41	5MHz	16QAM	40065	25RB#0	VH	NT	-6.17	-0.002432	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	VL	NT	6.75	0.002606	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	VN	NT	-6.32	-0.002440	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	VH	NT	8.71	0.003363	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	VL	NT	5.53	0.002085	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	VN	NT	-3.29	-0.001240	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	VH	NT	7.41	0.002794	±2.5	PASS
Band41	10MHz	QPSK	40090	50RB#0	VL	NT	6.46	0.002543	±2.5	PASS
Band41	10MHz	QPSK	40090	50RB#0	VN	NT	7.64	0.003008	±2.5	PASS
Band41	10MHz	QPSK	40090	50RB#0	VH	NT	11.05	0.004350	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	VL	NT	9.62	0.003714	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	VN	NT	7.99	0.003085	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	VH	NT	6.63	0.002560	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VL	NT	8.98	0.003389	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VN	NT	5.87	0.002215	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VH	NT	5.41	0.002042	±2.5	PASS
Band41	10MHz	16QAM	40090	50RB#0	VL	NT	6.80	0.002677	±2.5	PASS
Band41	10MHz	16QAM	40090	50RB#0	VN	NT	11.28	0.004441	±2.5	PASS
Band41	10MHz	16QAM	40090	50RB#0	VH	NT	8.37	0.003295	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	VL	NT	8.37	0.003232	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	VN	NT	-4.99	-0.001927	±2.5	PASS

Band41	10MHz	16QAM	40590	50RB#0	VH	NT	7.40	0.002857	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VL	NT	7.36	0.002777	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VN	NT	-5.51	-0.002079	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VH	NT	-9.14	-0.003449	±2.5	PASS
Band41	15MHz	QPSK	40115	75RB#0	VL	NT	-6.60	-0.002596	±2.5	PASS
Band41	15MHz	QPSK	40115	75RB#0	VN	NT	-4.92	-0.001935	±2.5	PASS
Band41	15MHz	QPSK	40115	75RB#0	VH	NT	5.84	0.002297	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	VL	NT	12.06	0.004656	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	VN	NT	12.25	0.004730	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	VH	NT	13.18	0.005089	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	VL	NT	7.55	0.002852	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	VN	NT	-4.73	-0.001787	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	VH	NT	-4.61	-0.001741	±2.5	PASS
Band41	15MHz	16QAM	40115	75RB#0	VL	NT	-8.09	-0.003182	±2.5	PASS
Band41	15MHz	16QAM	40115	75RB#0	VN	NT	-6.65	-0.002616	±2.5	PASS
Band41	15MHz	16QAM	40115	75RB#0	VH	NT	4.45	0.001750	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	VL	NT	11.60	0.004479	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	VN	NT	12.71	0.004907	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	VH	NT	14.57	0.005625	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	VL	NT	-6.68	-0.002523	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	VN	NT	-6.92	-0.002614	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	VH	NT	-6.92	-0.002614	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VL	NT	10.91	0.004287	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VN	NT	5.72	0.002248	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	VH	NT	10.36	0.004071	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	VL	NT	10.08	0.003892	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	VN	NT	9.98	0.003853	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	VH	NT	15.94	0.006154	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	13.43	0.005078	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	12.16	0.004597	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	12.18	0.004605	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VL	NT	9.76	0.003835	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VN	NT	5.19	0.002039	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	VH	NT	13.69	0.005379	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	VL	NT	9.59	0.003703	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	VN	NT	10.07	0.003888	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	VH	NT	3.52	0.001359	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	-5.06	-0.001913	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-5.59	-0.002113	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	9.79	0.003701	±2.5	PASS



Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	40065	25RB#0	NV	-30	-6.51	-0.002566	±2.5	PASS
Band41	5MHz	QPSK	40065	25RB#0	NV	-20	4.85	0.001911	±2.5	PASS
Band41	5MHz	QPSK	40065	25RB#0	NV	0	-5.55	-0.002187	±2.5	PASS
Band41	5MHz	QPSK	40065	25RB#0	NV	10	7.21	0.002841	±2.5	PASS
Band41	5MHz	QPSK	40065	25RB#0	NV	20	-7.38	-0.002908	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	NV	-30	-8.83	-0.003409	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	NV	-20	9.80	0.003784	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	NV	0	10.05	0.003880	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	NV	10	8.18	0.003158	±2.5	PASS
Band41	5MHz	QPSK	40590	25RB#0	NV	20	-8.67	-0.003347	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	-30	10.04	0.003785	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	-20	7.29	0.002748	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	0	-8.43	-0.003178	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	10	-6.25	-0.002356	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	20	9.49	0.003578	±2.5	PASS
Band41	5MHz	16QAM	40065	25RB#0	NV	-30	-9.31	-0.003669	±2.5	PASS
Band41	5MHz	16QAM	40065	25RB#0	NV	-20	-4.92	-0.001939	±2.5	PASS
Band41	5MHz	16QAM	40065	25RB#0	NV	0	-10.06	-0.003965	±2.5	PASS
Band41	5MHz	16QAM	40065	25RB#0	NV	10	-8.13	-0.003204	±2.5	PASS
Band41	5MHz	16QAM	40065	25RB#0	NV	20	-6.38	-0.002514	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	NV	-30	6.28	0.002425	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	NV	-20	-6.09	-0.002351	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	NV	0	-9.61	-0.003710	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	NV	10	-7.86	-0.003035	±2.5	PASS
Band41	5MHz	16QAM	40590	25RB#0	NV	20	-8.44	-0.003259	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	-30	-6.44	-0.002428	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	-20	7.44	0.002805	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	0	7.15	0.002696	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	10	6.91	0.002605	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	20	-7.05	-0.002658	±2.5	PASS
Band41	10MHz	QPSK	40090	50RB#0	NV	-30	8.93	0.003516	±2.5	PASS
Band41	10MHz	QPSK	40090	50RB#0	NV	-20	12.63	0.004972	±2.5	PASS
Band41	10MHz	QPSK	40090	50RB#0	NV	0	12.26	0.004827	±2.5	PASS
Band41	10MHz	QPSK	40090	50RB#0	NV	10	11.44	0.004504	±2.5	PASS
Band41	10MHz	QPSK	40090	50RB#0	NV	20	7.96	0.003134	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	NV	-30	4.41	0.001703	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	NV	-20	-5.43	-0.002097	±2.5	PASS

Band41	10MHz	QPSK	40590	50RB#0	NV	0	6.73	0.002598	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	NV	10	6.60	0.002548	±2.5	PASS
Band41	10MHz	QPSK	40590	50RB#0	NV	20	7.90	0.003050	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	-30	-9.27	-0.003498	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	-20	9.06	0.003419	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	0	-5.14	-0.001940	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	10	7.24	0.002732	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	20	-7.05	-0.002660	±2.5	PASS
Band41	10MHz	16QAM	40090	50RB#0	NV	-30	11.17	0.004398	±2.5	PASS
Band41	10MHz	16QAM	40090	50RB#0	NV	-20	9.19	0.003618	±2.5	PASS
Band41	10MHz	16QAM	40090	50RB#0	NV	0	5.52	0.002173	±2.5	PASS
Band41	10MHz	16QAM	40090	50RB#0	NV	10	10.12	0.003984	±2.5	PASS
Band41	10MHz	16QAM	40090	50RB#0	NV	20	6.49	0.002555	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	NV	-30	7.41	0.002861	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	NV	-20	10.15	0.003919	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	NV	0	6.55	0.002529	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	NV	10	12.30	0.004749	±2.5	PASS
Band41	10MHz	16QAM	40590	50RB#0	NV	20	7.62	0.002942	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	-30	5.40	0.002038	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	-20	10.96	0.004136	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	0	5.26	0.001985	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	10	5.22	0.001970	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	20	8.21	0.003098	±2.5	PASS
Band41	15MHz	QPSK	40115	75RB#0	NV	-30	6.26	0.002462	±2.5	PASS
Band41	15MHz	QPSK	40115	75RB#0	NV	-20	4.54	0.001786	±2.5	PASS
Band41	15MHz	QPSK	40115	75RB#0	NV	0	-6.59	-0.002592	±2.5	PASS
Band41	15MHz	QPSK	40115	75RB#0	NV	10	-4.71	-0.001853	±2.5	PASS
Band41	15MHz	QPSK	40115	75RB#0	NV	20	-4.52	-0.001778	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	NV	-30	13.27	0.005124	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	NV	-20	11.83	0.004568	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	NV	0	16.99	0.006560	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	NV	10	9.37	0.003618	±2.5	PASS
Band41	15MHz	QPSK	40590	75RB#0	NV	20	10.82	0.004178	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	-30	7.77	0.002935	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	-20	8.87	0.003350	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	0	-6.16	-0.002327	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	10	-8.34	-0.003150	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	20	-2.13	-0.000805	±2.5	PASS
Band41	15MHz	16QAM	40115	75RB#0	NV	-30	-7.97	-0.003135	±2.5	PASS
Band41	15MHz	16QAM	40115	75RB#0	NV	-20	-7.25	-0.002852	±2.5	PASS

Band41	15MHz	16QAM	40115	75RB#0	NV	0	4.25	0.001672	±2.5	PASS
Band41	15MHz	16QAM	40115	75RB#0	NV	10	-6.41	-0.002521	±2.5	PASS
Band41	15MHz	16QAM	40115	75RB#0	NV	20	-5.62	-0.002210	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	NV	-30	7.43	0.002869	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	NV	-20	16.75	0.006467	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	NV	0	11.37	0.004390	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	NV	10	8.77	0.003386	±2.5	PASS
Band41	15MHz	16QAM	40590	75RB#0	NV	20	8.85	0.003417	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	-30	12.30	0.004646	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	-20	-7.70	-0.002908	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	0	-4.32	-0.001632	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	10	-10.50	-0.003966	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	20	-7.49	-0.002829	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-30	7.79	0.003061	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	-20	7.63	0.002998	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	0	9.31	0.003658	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	10	9.70	0.003811	±2.5	PASS
Band41	20MHz	QPSK	40140	100RB#0	NV	20	4.74	0.001862	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	NV	-30	8.97	0.003463	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	NV	-20	3.81	0.001471	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	NV	0	5.63	0.002174	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	NV	10	11.43	0.004413	±2.5	PASS
Band41	20MHz	QPSK	40590	100RB#0	NV	20	10.04	0.003876	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	15.96	0.006034	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	9.85	0.003724	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	11.91	0.004503	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	11.11	0.004200	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	10.86	0.004106	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-30	10.10	0.003969	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	-20	9.25	0.003635	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	0	6.62	0.002601	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	10	12.37	0.004861	±2.5	PASS
Band41	20MHz	16QAM	40140	100RB#0	NV	20	8.11	0.003187	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	NV	-30	8.21	0.003170	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	NV	-20	9.48	0.003660	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	NV	0	-6.49	-0.002506	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	NV	10	7.03	0.002714	±2.5	PASS
Band41	20MHz	16QAM	40590	100RB#0	NV	20	8.02	0.003097	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-30	7.47	0.002824	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	10.71	0.004049	±2.5	PASS

Band41	20MHz	16QAM	41140	100RB#0	NV	0	12.39	0.004684	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	13.18	0.004983	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	6.52	0.002465	±2.5	PASS