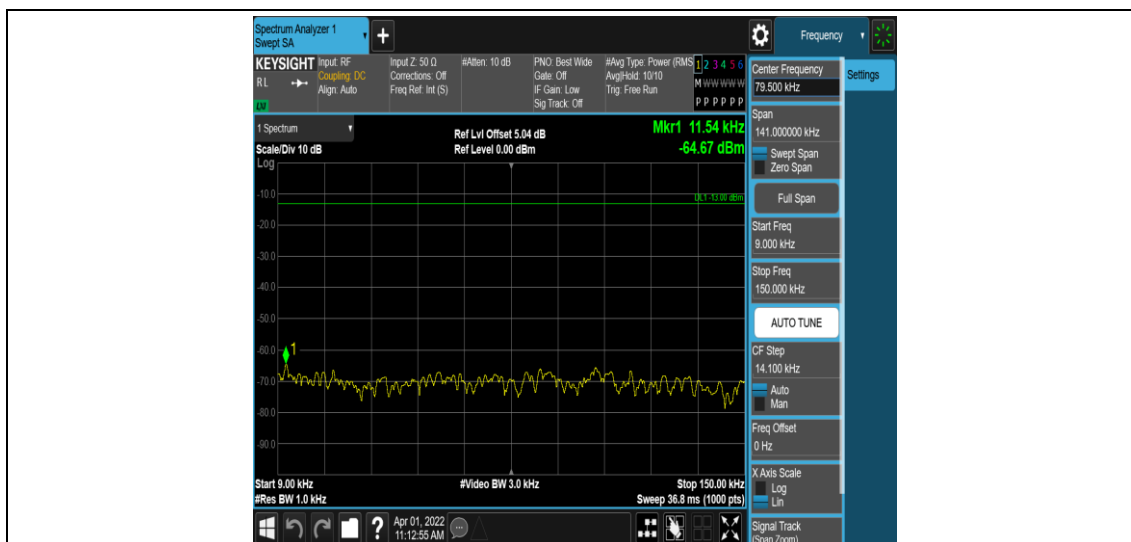




Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133322-1RB#0-Range2:0.15~30MHz



Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



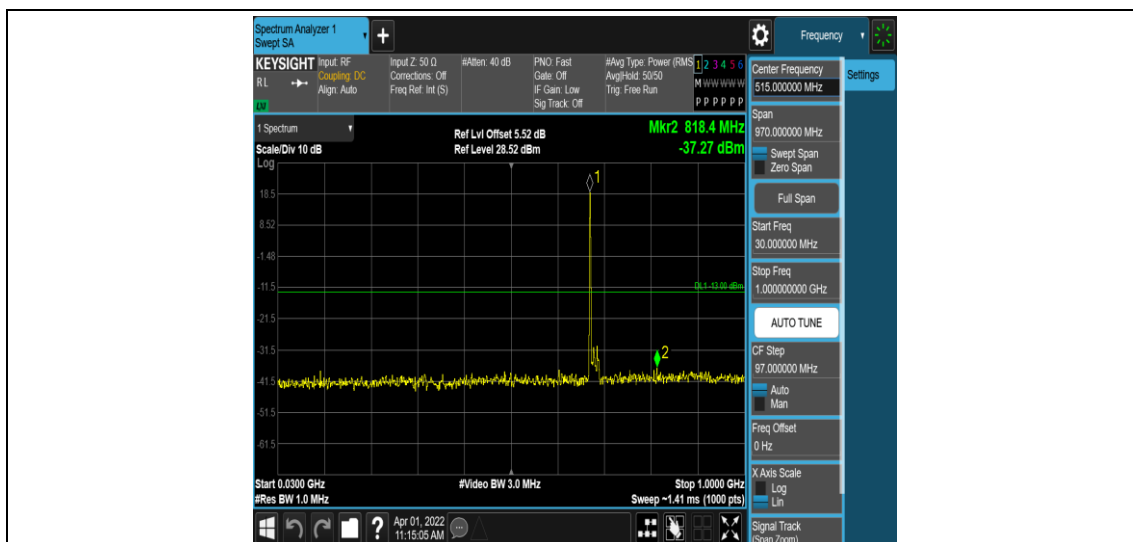
Band71-20MHz-QPSK-133322-1RB#0-Range4:1000~10000MHz



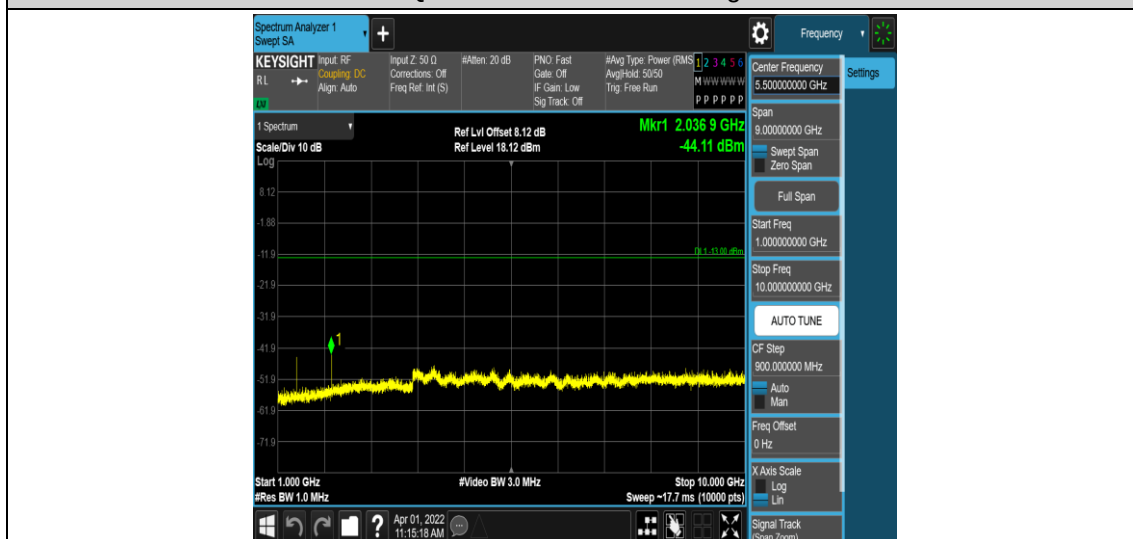
Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133372-1RB#0-Range2:0.15~30MHz



Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



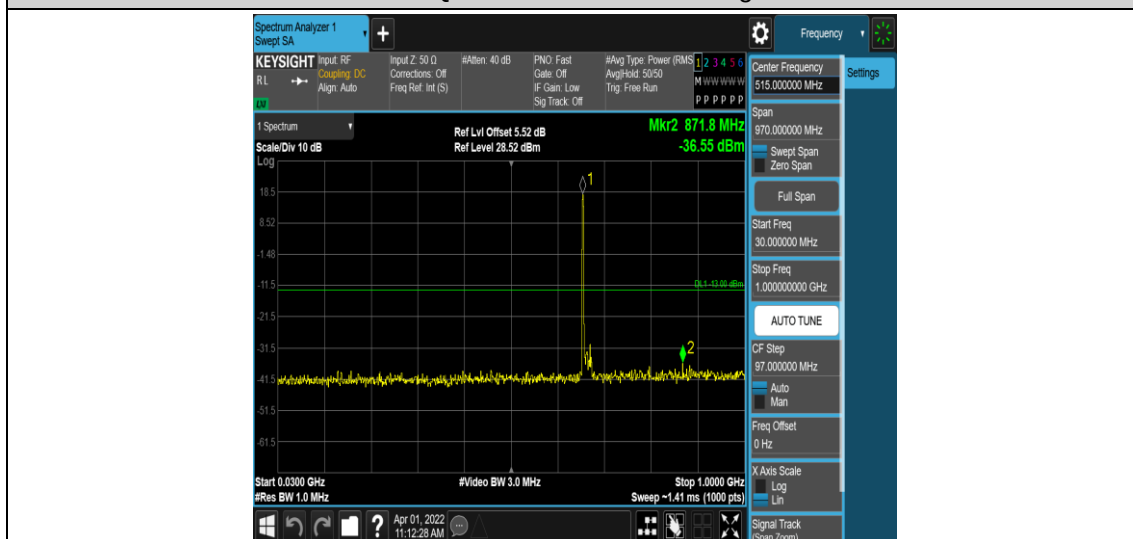
Band71-20MHz-QPSK-133372-1RB#0-Range4:1000~10000MHz



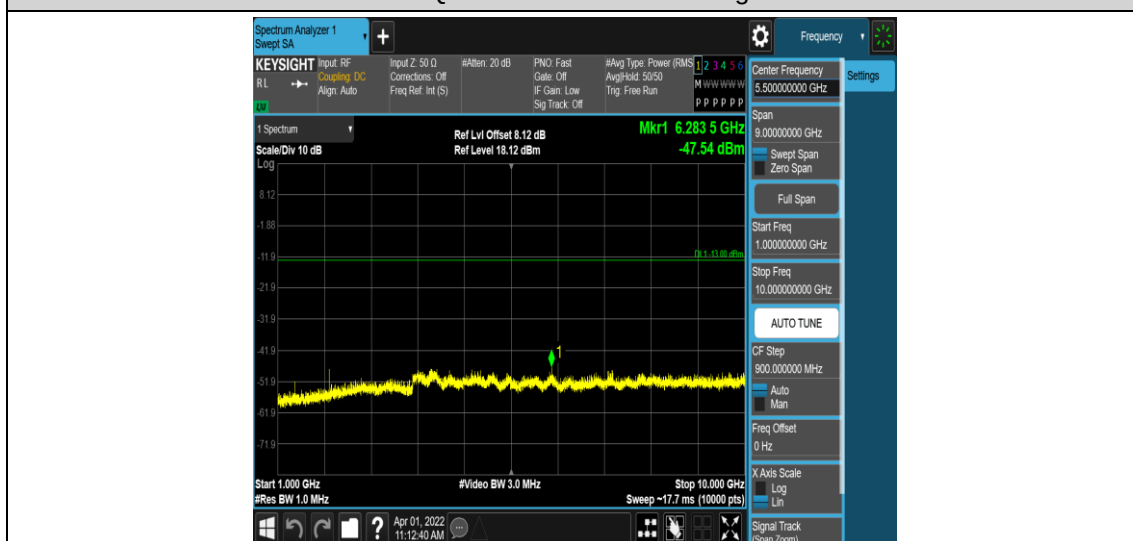
Band71-20MHz-16QAM-133222-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-16QAM-133222-1RB#0-Range2:0.15~30MHz



Band71-20MHz-16QAM-133222-1RB#0-Range3:30~1000MHz



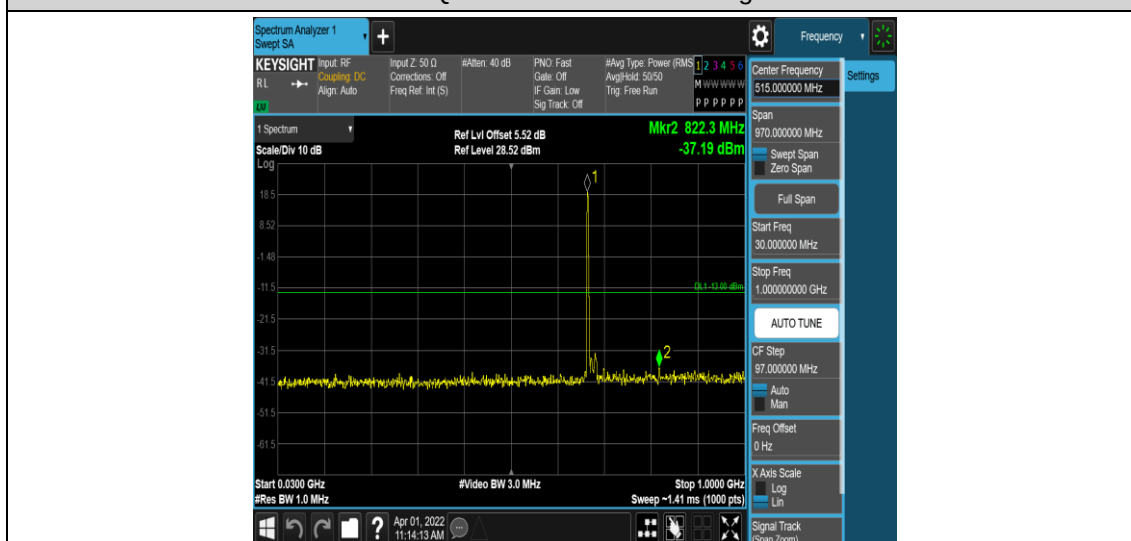
Band71-20MHz-16QAM-133222-1RB#0-Range4:1000~10000MHz



Band71-20MHz-16QAM-133322-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-16QAM-133322-1RB#0-Range2:0.15~30MHz



Band71-20MHz-16QAM-133322-1RB#0-Range3:30~1000MHz



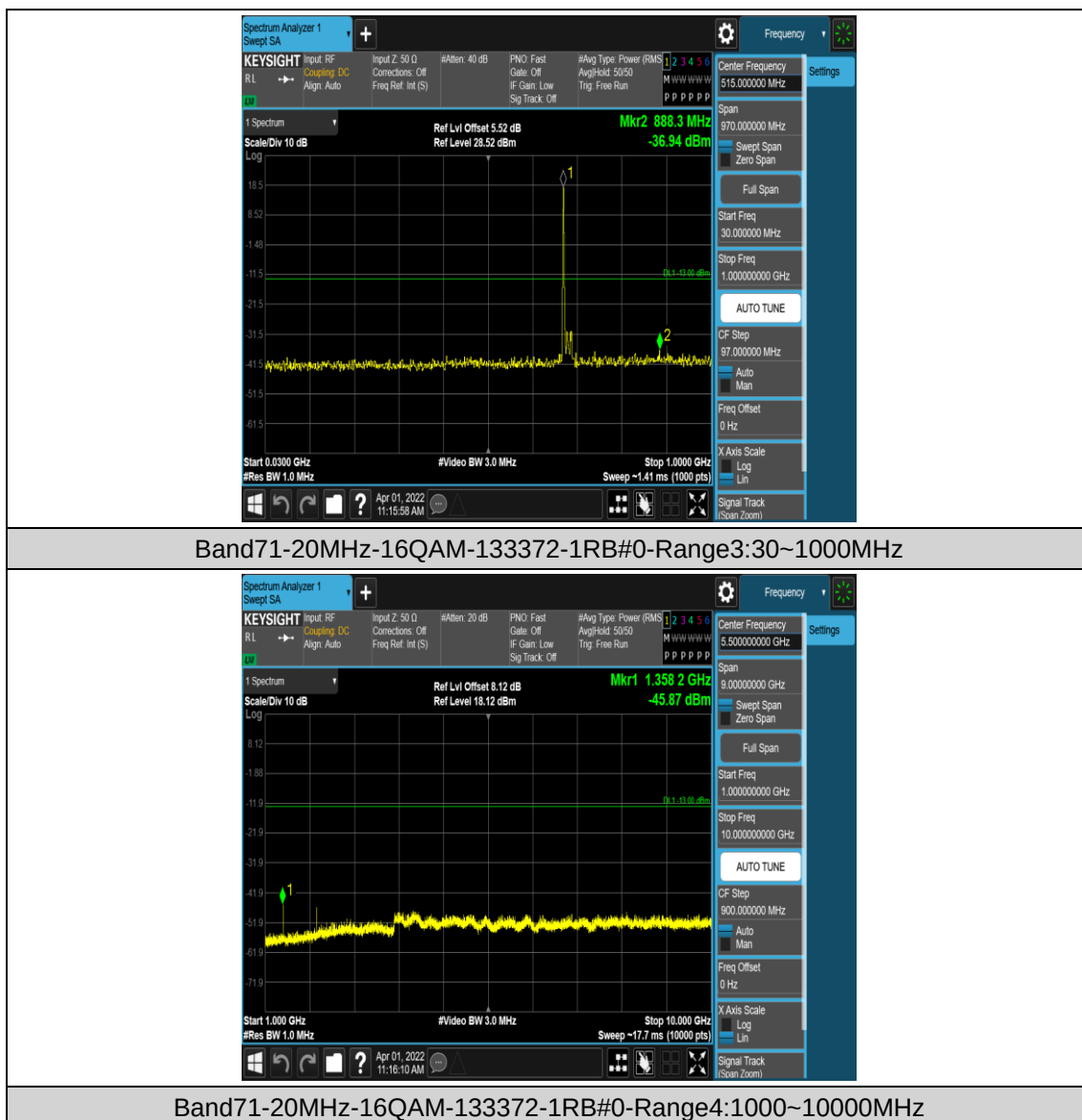
Band71-20MHz-16QAM-133322-1RB#0-Range4:1000~10000MHz



Band71-20MHz-16QAM-133372-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-16QAM-133372-1RB#0-Range2:0.15~30MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	VL	NT	2.43	0.003651	±2.5	PASS
Band71	5MHz	QPSK	133147	25RB#0	VN	NT	-2.30	-0.003456	±2.5	PASS
Band71	5MHz	QPSK	133147	25RB#0	VH	NT	1.72	0.002585	±2.5	PASS
Band71	5MHz	QPSK	133297	25RB#0	VL	NT	-1.27	-0.001866	±2.5	PASS

Band71	5MHz	QPSK	133297	25RB#0	VN	NT	-2.47	-0.003630	±2.5	PASS
Band71	5MHz	QPSK	133297	25RB#0	VH	NT	-2.30	-0.003380	±2.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	VL	NT	-4.59	-0.006600	±2.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	VN	NT	-2.89	-0.004155	±2.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	VH	NT	2.52	0.003623	±2.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	VL	NT	-2.25	-0.003381	±2.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	VN	NT	-3.81	-0.005725	±2.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	VH	NT	1.89	0.002840	±2.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	VL	NT	5.42	0.007965	±2.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	VN	NT	-2.55	-0.003747	±2.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	VH	NT	1.40	0.002057	±2.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	VL	NT	3.48	0.005004	±2.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	VN	NT	-3.93	-0.005651	±2.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	VH	NT	2.42	0.003480	±2.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	VL	NT	2.50	0.003743	±2.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	VN	NT	-0.59	-0.000883	±2.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	VH	NT	1.62	0.002425	±2.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	VL	NT	3.20	0.004702	±2.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	VN	NT	-4.61	-0.006774	±2.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	VH	NT	3.05	0.004482	±2.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	VL	NT	4.03	0.005815	±2.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	VN	NT	1.87	0.002698	±2.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	VH	NT	1.10	0.001587	±2.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	VL	NT	1.62	0.002425	±2.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	VN	NT	-2.69	-0.004027	±2.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	VH	NT	-4.46	-0.006677	±2.5	PASS
Band71	10MHz	16QAM	133297	50RB#0	VL	NT	-2.75	-0.004041	±2.5	PASS
Band71	10MHz	16QAM	133297	50RB#0	VN	NT	-1.36	-0.001999	±2.5	PASS
Band71	10MHz	16QAM	133297	50RB#0	VH	NT	-2.15	-0.003159	±2.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	VL	NT	4.94	0.007128	±2.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	VN	NT	-2.80	-0.004040	±2.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	VH	NT	5.42	0.007821	±2.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	VL	NT	-2.03	-0.003028	±2.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	VN	NT	-5.87	-0.008755	±2.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	VH	NT	1.75	0.002610	±2.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	VL	NT	-4.79	-0.007039	±2.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	VN	NT	-3.88	-0.005702	±2.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	VH	NT	-5.09	-0.007480	±2.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	VL	NT	2.47	0.003577	±2.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	VN	NT	3.89	0.005634	±2.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	VH	NT	-4.12	-0.005967	±2.5	PASS

Band71	15MHz	16QAM	133197	75RB#0	VL	NT	-2.62	-0.003908	±2.5	PASS
Band71	15MHz	16QAM	133197	75RB#0	VN	NT	-3.53	-0.005265	±2.5	PASS
Band71	15MHz	16QAM	133197	75RB#0	VH	NT	-5.09	-0.007591	±2.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	VL	NT	-3.09	-0.004541	±2.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	VN	NT	-4.33	-0.006363	±2.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	VH	NT	-1.60	-0.002351	±2.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	VL	NT	-3.13	-0.004533	±2.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	VN	NT	2.37	0.003432	±2.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	VH	NT	-1.57	-0.002274	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VL	NT	1.70	0.002526	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VN	NT	-2.30	-0.003418	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	VH	NT	-2.07	-0.003076	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	2.63	0.003851	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-3.92	-0.005739	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	2.29	0.003353	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VL	NT	2.96	0.004302	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VN	NT	1.37	0.001991	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	VH	NT	-4.82	-0.007006	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VL	NT	-2.79	-0.004146	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VN	NT	-2.22	-0.003299	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	VH	NT	-1.59	-0.002363	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VL	NT	3.10	0.004539	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VN	NT	3.33	0.004876	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	VH	NT	-5.18	-0.007584	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VL	NT	-1.04	-0.001512	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VN	NT	2.78	0.004041	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	VH	NT	2.46	0.003576	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	NV	-30	-1.50	-0.002254	±2.5	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	-20	2.13	0.003201	±2.5	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	0	2.46	0.003696	±2.5	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	10	-3.48	-0.005229	±2.5	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	20	-2.10	-0.003156	±2.5	PASS
Band71	5MHz	QPSK	133297	25RB#0	NV	-30	-3.26	-0.004791	±2.5	PASS
Band71	5MHz	QPSK	133297	25RB#0	NV	-20	-2.92	-0.004291	±2.5	PASS
Band71	5MHz	QPSK	133297	25RB#0	NV	0	-2.35	-0.003453	±2.5	PASS
Band71	5MHz	QPSK	133297	25RB#0	NV	10	-1.43	-0.002101	±2.5	PASS

Band71	5MHz	QPSK	133297	25RB#0	NV	20	-3.95	-0.005805	±2.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	NV	-30	-2.70	-0.003882	±2.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	NV	-20	3.03	0.004357	±2.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	NV	0	-5.31	-0.007635	±2.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	NV	10	-5.01	-0.007203	±2.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	NV	20	0.99	0.001423	±2.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	-30	-2.29	-0.003441	±2.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	-20	2.30	0.003456	±2.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	0	1.67	0.002509	±2.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	10	1.86	0.002795	±2.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	20	2.43	0.003651	±2.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	NV	-30	-3.15	-0.004629	±2.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	NV	-20	-1.44	-0.002116	±2.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	NV	0	-2.66	-0.003909	±2.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	NV	10	-5.39	-0.007921	±2.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	NV	20	-2.25	-0.003306	±2.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	NV	-30	-3.62	-0.005205	±2.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	NV	-20	1.65	0.002372	±2.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	NV	0	-4.29	-0.006168	±2.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	NV	10	2.70	0.003882	±2.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	NV	20	-3.81	-0.005478	±2.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	NV	-30	-2.42	-0.003623	±2.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	NV	-20	-1.29	-0.001931	±2.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	NV	0	1.40	0.002096	±2.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	NV	10	4.22	0.006317	±2.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	NV	20	-2.30	-0.003443	±2.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	NV	-30	1.49	0.002190	±2.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	NV	-20	1.40	0.002057	±2.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	NV	0	-1.42	-0.002087	±2.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	NV	10	3.72	0.005467	±2.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	NV	20	3.18	0.004673	±2.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	NV	-30	4.56	0.006580	±2.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	NV	-20	4.82	0.006955	±2.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	NV	0	3.10	0.004473	±2.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	NV	10	-1.36	-0.001962	±2.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	NV	20	3.32	0.004791	±2.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	NV	-30	-3.48	-0.005210	±2.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	NV	-20	-4.11	-0.006153	±2.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	NV	0	-2.03	-0.003039	±2.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	NV	10	-3.22	-0.004820	±2.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	NV	20	-3.96	-0.005928	±2.5	PASS

Band71	10MHz	16QAM	133297	50RB#0	NV	-30	3.09	0.004541	±2.5	PASS
Band71	10MHz	16QAM	133297	50RB#0	NV	-20	-4.55	-0.006686	±2.5	PASS
Band71	10MHz	16QAM	133297	50RB#0	NV	0	-3.39	-0.004982	±2.5	PASS
Band71	10MHz	16QAM	133297	50RB#0	NV	10	1.89	0.002777	±2.5	PASS
Band71	10MHz	16QAM	133297	50RB#0	NV	20	1.37	0.002013	±2.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	NV	-30	5.49	0.007922	±2.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	NV	-20	4.15	0.005988	±2.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	NV	0	-1.95	-0.002814	±2.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	NV	10	6.39	0.009221	±2.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	NV	20	-3.20	-0.004618	±2.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	NV	-30	-2.25	-0.003356	±2.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	NV	-20	-2.98	-0.004444	±2.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	NV	0	-4.41	-0.006577	±2.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	NV	10	-2.12	-0.003162	±2.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	NV	20	-2.32	-0.003460	±2.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	NV	-30	-5.85	-0.008597	±2.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	NV	-20	-2.95	-0.004335	±2.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	NV	0	-2.33	-0.003424	±2.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	NV	10	-5.35	-0.007862	±2.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	NV	20	-1.29	-0.001896	±2.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	NV	-30	-3.28	-0.004750	±2.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	NV	-20	-2.66	-0.003852	±2.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	NV	0	-3.19	-0.004620	±2.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	NV	10	-4.29	-0.006213	±2.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	NV	20	-5.51	-0.007980	±2.5	PASS
Band71	15MHz	16QAM	133197	75RB#0	NV	-30	-6.57	-0.009799	±2.5	PASS
Band71	15MHz	16QAM	133197	75RB#0	NV	-20	-6.49	-0.009679	±2.5	PASS
Band71	15MHz	16QAM	133197	75RB#0	NV	0	-1.85	-0.002759	±2.5	PASS
Band71	15MHz	16QAM	133197	75RB#0	NV	10	-5.06	-0.007547	±2.5	PASS
Band71	15MHz	16QAM	133197	75RB#0	NV	20	-4.69	-0.006995	±2.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	NV	-30	-5.59	-0.008215	±2.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	NV	-20	-6.22	-0.009140	±2.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	NV	0	-6.01	-0.008832	±2.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	NV	10	-2.69	-0.003953	±2.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	NV	20	-3.68	-0.005408	±2.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	NV	-30	3.28	0.004750	±2.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	NV	-20	-3.06	-0.004432	±2.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	NV	0	-4.75	-0.006879	±2.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	NV	10	-2.56	-0.003707	±2.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	NV	20	-2.53	-0.003664	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	-30	-3.40	-0.005052	±2.5	PASS

Band71	20MHz	QPSK	133222	100RB#0	NV	-20	-3.32	-0.004933	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	0	-1.79	-0.002660	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	10	-2.05	-0.003046	±2.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	NV	20	-4.36	-0.006478	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	1.87	0.002738	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	2.32	0.003397	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	2.95	0.004319	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	5.52	0.008082	±2.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	3.08	0.004510	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-30	-3.65	-0.005305	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	-20	-2.42	-0.003517	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	0	-6.08	-0.008837	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	10	-2.50	-0.003634	±2.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	NV	20	2.22	0.003227	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-30	-1.23	-0.001828	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	-20	-5.22	-0.007756	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	0	-6.24	-0.009272	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	10	-4.62	-0.006865	±2.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	NV	20	1.33	0.001976	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-30	-1.27	-0.001859	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	-20	-5.46	-0.007994	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	0	3.05	0.004466	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	10	-4.69	-0.006867	±2.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	NV	20	2.07	0.003031	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-30	-3.83	-0.005567	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	-20	0.99	0.001439	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	0	1.60	0.002326	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	10	-5.66	-0.008227	±2.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	NV	20	2.76	0.004012	±2.5	PASS