

Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	-2.92	-0.003541	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	-2.07	-0.002510	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	2.73	0.003310	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VN	NT	1.63	0.001976	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VL	NT	9.40	0.011398	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VH	NT	-2.80	-0.003395	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	16.42	0.019629	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	6.37	0.007615	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	1.70	0.002032	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	2.35	0.002809	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	2.85	0.003407	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	-9.84	-0.011763	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	4.41	0.005199	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	15.56	0.018343	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	1.36	0.001603	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VN	NT	2.65	0.003124	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VL	NT	3.78	0.004456	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VH	NT	1.16	0.001367	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VN	NT	9.41	0.011399	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VL	NT	-4.48	-0.005427	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VH	NT	-3.09	-0.003743	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VN	NT	-1.62	-0.001962	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VL	NT	1.34	0.001623	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VH	NT	2.33	0.002823	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	-9.38	-0.011213	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	-6.74	-0.008057	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	-9.24	-0.011046	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VN	NT	-2.57	-0.003072	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VL	NT	-9.18	-0.010974	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VH	NT	-8.00	-0.009564	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VN	NT	-3.83	-0.004519	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VL	NT	-2.47	-0.002914	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VH	NT	-8.37	-0.009876	±2.5	PASS

Band5	3MHz	16QAM	20635	15RB#0	VN	NT	-3.00	-0.003540	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VL	NT	-8.35	-0.009853	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VH	NT	-3.75	-0.004425	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VN	NT	12.07	0.014604	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VL	NT	4.36	0.005275	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VH	NT	9.50	0.011494	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VN	NT	4.19	0.005070	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VL	NT	10.86	0.013140	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VH	NT	4.35	0.005263	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	13.73	0.016414	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VL	NT	-3.81	-0.004555	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	13.45	0.016079	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VN	NT	-2.83	-0.003383	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VL	NT	1.69	0.002020	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VH	NT	15.28	0.018267	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VN	NT	-2.83	-0.003343	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VL	NT	-4.92	-0.005812	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VH	NT	-4.16	-0.004914	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VN	NT	-7.38	-0.008718	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VL	NT	-3.18	-0.003757	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VH	NT	-7.82	-0.009238	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-2.88	-0.003474	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-8.53	-0.010290	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-8.13	-0.009807	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-7.12	-0.008589	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	3.59	0.004331	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-7.78	-0.009385	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-1.36	-0.001626	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-8.94	-0.010687	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-4.16	-0.004973	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-2.82	-0.003371	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-9.53	-0.011393	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-2.75	-0.003258	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	9.64	0.011422	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-2.68	-0.003175	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-12.26	-0.014526	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-3.96	-0.004692	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-2.95	-0.003495	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	1.62	0.001964	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	4.62	0.005602	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	9.98	0.012101	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	10.84	0.013144	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-2.72	-0.003298	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-2.65	-0.003213	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	-7.44	-0.009021	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	-1.77	-0.002146	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	-3.32	-0.004026	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	7.98	0.009676	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	12.42	0.015060	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	-2.23	-0.002704	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	11.12	0.013484	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	9.81	0.011895	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	1.57	0.001904	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	10.50	0.012732	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	3.35	0.004062	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	10.47	0.012696	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	2.35	0.002809	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	3.16	0.003778	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	14.51	0.017346	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-10.27	-0.012277	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	1.93	0.002307	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-8.53	-0.010197	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	-1.86	-0.002224	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	3.22	0.003849	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-2.55	-0.003048	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	-8.55	-0.010221	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	4.58	0.005475	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	2.69	0.003216	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	-8.27	-0.009886	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	2.60	0.003108	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-8.41	-0.010054	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	-1.75	-0.002092	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	-1.66	-0.001984	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	2.59	0.003096	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	2.82	0.003324	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	15.32	0.018060	±2.5	PASS

Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	-1.82	-0.002145	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	2.88	0.003395	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	2.62	0.003089	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	12.92	0.015230	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	1.85	0.002181	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	-1.27	-0.001497	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	13.78	0.016244	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-2.40	-0.002829	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-1.70	-0.002004	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	13.70	0.016150	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	14.31	0.016869	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-2.26	-0.002664	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	1.00	0.001179	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	1.77	0.002087	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	13.06	0.015395	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	15.99	0.018849	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	-2.85	-0.003452	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	-2.13	-0.002580	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	9.28	0.011242	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	-2.12	-0.002568	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	-1.80	-0.002180	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	-2.60	-0.003150	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	-1.69	-0.002047	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	-2.63	-0.003186	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	11.22	0.013592	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	-1.95	-0.002362	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	2.59	0.003137	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	10.99	0.013313	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	2.23	0.002701	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	9.26	0.011217	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	2.27	0.002750	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	10.34	0.012526	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	-1.52	-0.001841	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	-1.59	-0.001926	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	-7.07	-0.008452	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	1.30	0.001554	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	-1.23	-0.001470	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	1.46	0.001745	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	2.49	0.002977	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	-1.26	-0.001506	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	30	-2.09	-0.002499	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	3.53	0.004220	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	1.14	0.001363	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	2.80	0.003347	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	-1.33	-0.001590	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	-9.34	-0.011166	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	-9.23	-0.011034	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	1.12	0.001339	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	-2.65	-0.003168	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	2.80	0.003347	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	1.65	0.001973	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	-9.48	-0.011333	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	2.60	0.003068	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	1.53	0.001805	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	-8.84	-0.010431	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	1.46	0.001723	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	-5.79	-0.006832	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	-8.31	-0.009805	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	-10.03	-0.011835	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	2.45	0.002891	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	-9.58	-0.011304	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-8.58	-0.010124	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	2.07	0.002442	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	-7.14	-0.008425	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	-9.87	-0.011646	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-3.20	-0.003776	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-1.49	-0.001758	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	-7.82	-0.009227	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	-10.80	-0.012743	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	-8.94	-0.010549	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	4.12	0.004985	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	3.55	0.004295	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-10	9.44	0.011422	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	3.60	0.004356	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	8.38	0.010139	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	3.42	0.004138	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	4.21	0.005094	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	3.33	0.004029	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	10.77	0.013031	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	10.71	0.012958	±2.5	PASS

Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-2.06	-0.002492	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	4.33	0.005239	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	3.60	0.004356	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	8.43	0.010200	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	2.06	0.002492	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	1.95	0.002359	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	1.89	0.002287	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	-2.93	-0.003545	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	1.36	0.001626	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	11.99	0.014334	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	1.69	0.002020	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	13.99	0.016724	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	-1.53	-0.001829	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	12.56	0.015015	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	14.43	0.017250	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	-2.83	-0.003383	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	2.46	0.002941	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	14.61	0.017466	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	2.46	0.002941	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	15.08	0.018027	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	-1.80	-0.002152	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	14.59	0.017442	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	-2.12	-0.002534	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	-1.26	-0.001506	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	40	1.72	0.002056	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	3.36	0.004017	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	-4.02	-0.004749	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	-2.83	-0.003343	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	-7.12	-0.008411	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	-2.96	-0.003497	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	-4.13	-0.004879	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	-9.06	-0.010703	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	-10.80	-0.012758	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	3.19	0.003768	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	-8.40	-0.009923	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	-7.22	-0.008529	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	-8.11	-0.009581	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	2.96	0.003497	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	3.66	0.004324	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	4.53	0.005351	±2.5	PASS

Band5	5MHz	16QAM	20625	25RB#0	NV	20	-1.80	-0.002126	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	-6.77	-0.007998	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	2.39	0.002823	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	4.35	0.005139	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-4.08	-0.004922	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-8.55	-0.010314	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-2.50	-0.003016	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-7.85	-0.009469	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-4.49	-0.005416	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-2.57	-0.003100	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-2.65	-0.003197	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-3.02	-0.003643	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-2.95	-0.003559	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-8.41	-0.010145	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-3.83	-0.004620	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	-3.32	-0.004005	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-9.47	-0.011423	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	5.35	0.006454	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-4.39	-0.005296	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	6.88	0.008299	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-2.39	-0.002883	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	9.84	0.011870	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-7.54	-0.009014	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-3.09	-0.003694	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-2.59	-0.003096	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-10.90	-0.013030	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-3.71	-0.004435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-12.04	-0.014393	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-12.50	-0.014943	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-2.82	-0.003371	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-4.01	-0.004794	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-2.22	-0.002654	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-10.60	-0.012672	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	-1.96	-0.002343	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-3.42	-0.004088	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-9.08	-0.010855	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-2.59	-0.003096	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	11.83	0.014142	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	13.26	0.015852	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-2.02	-0.002415	±2.5	PASS

Band5	10MHz	QPSK	20600	50RB#0	NV	-30	11.37	0.013472	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-1.76	-0.002085	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	11.92	0.014123	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-3.36	-0.003981	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-4.29	-0.005083	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-3.22	-0.003815	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-11.32	-0.013412	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-10.06	-0.011919	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-10.61	-0.012571	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-8.00	-0.009479	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	1.72	0.002038	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	11.33	0.013424	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-9.64	-0.011422	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	10.51	0.012453	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-10.17	-0.012050	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-4.81	-0.005699	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-4.82	-0.005711	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-5.54	-0.006564	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	PASS
Band5	3MHz	QPSK	20415	15RB#0	PASS
Band5	3MHz	16QAM	20415	15RB#0	PASS
Band5	3MHz	QPSK	20525	15RB#0	PASS
Band5	3MHz	16QAM	20525	15RB#0	PASS
Band5	3MHz	QPSK	20635	15RB#0	PASS
Band5	3MHz	16QAM	20635	15RB#0	PASS
Band5	5MHz	QPSK	20425	25RB#0	PASS
Band5	5MHz	16QAM	20425	25RB#0	PASS
Band5	5MHz	QPSK	20525	25RB#0	PASS
Band5	5MHz	16QAM	20525	25RB#0	PASS
Band5	5MHz	QPSK	20625	25RB#0	PASS
Band5	5MHz	16QAM	20625	25RB#0	PASS
Band5	10MHz	QPSK	20450	50RB#0	PASS
Band5	10MHz	16QAM	20450	50RB#0	PASS
Band5	10MHz	QPSK	20525	50RB#0	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS
Band5	10MHz	QPSK	20600	50RB#0	PASS
Band5	10MHz	16QAM	20600	50RB#0	PASS

Test Graphs







