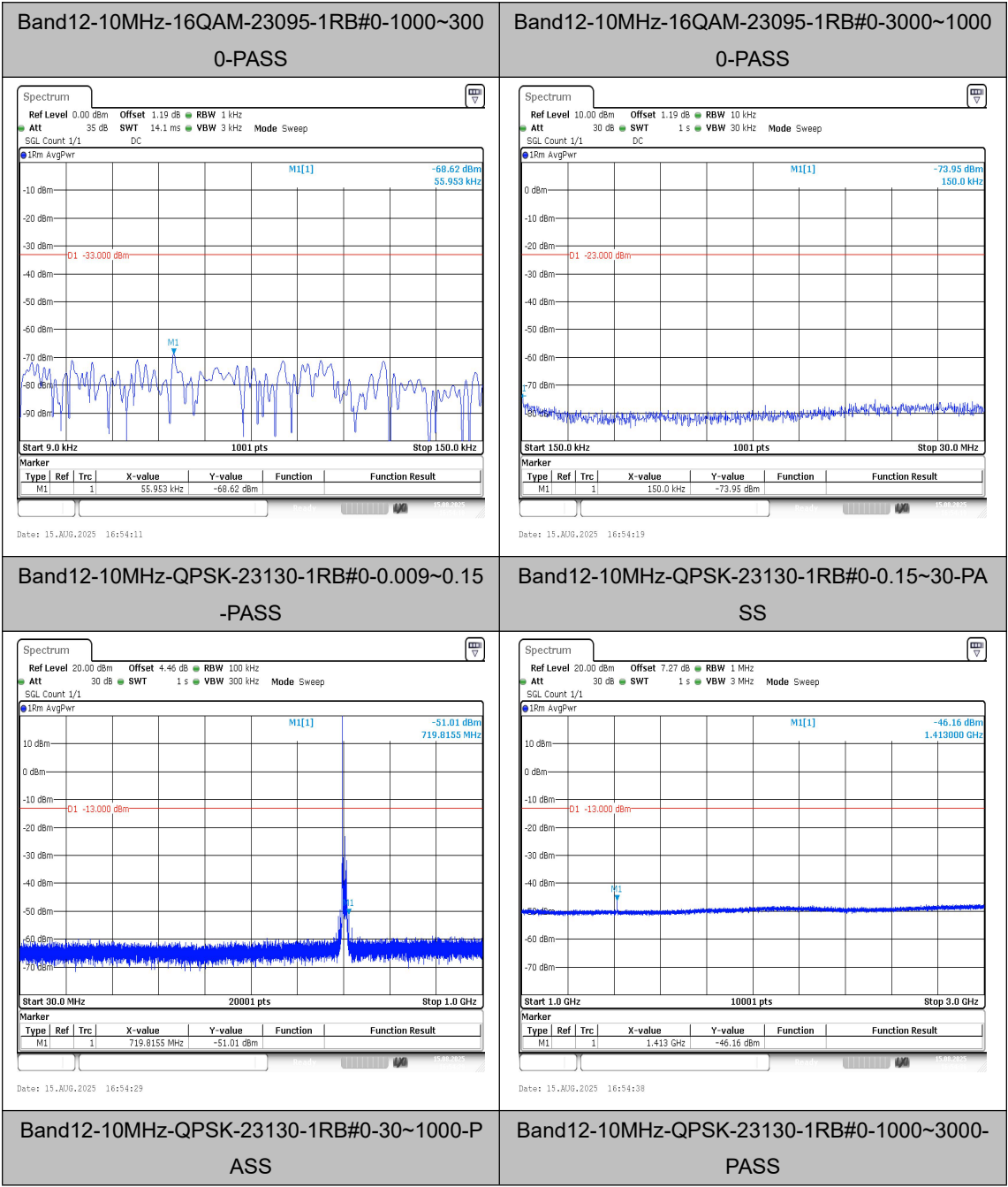
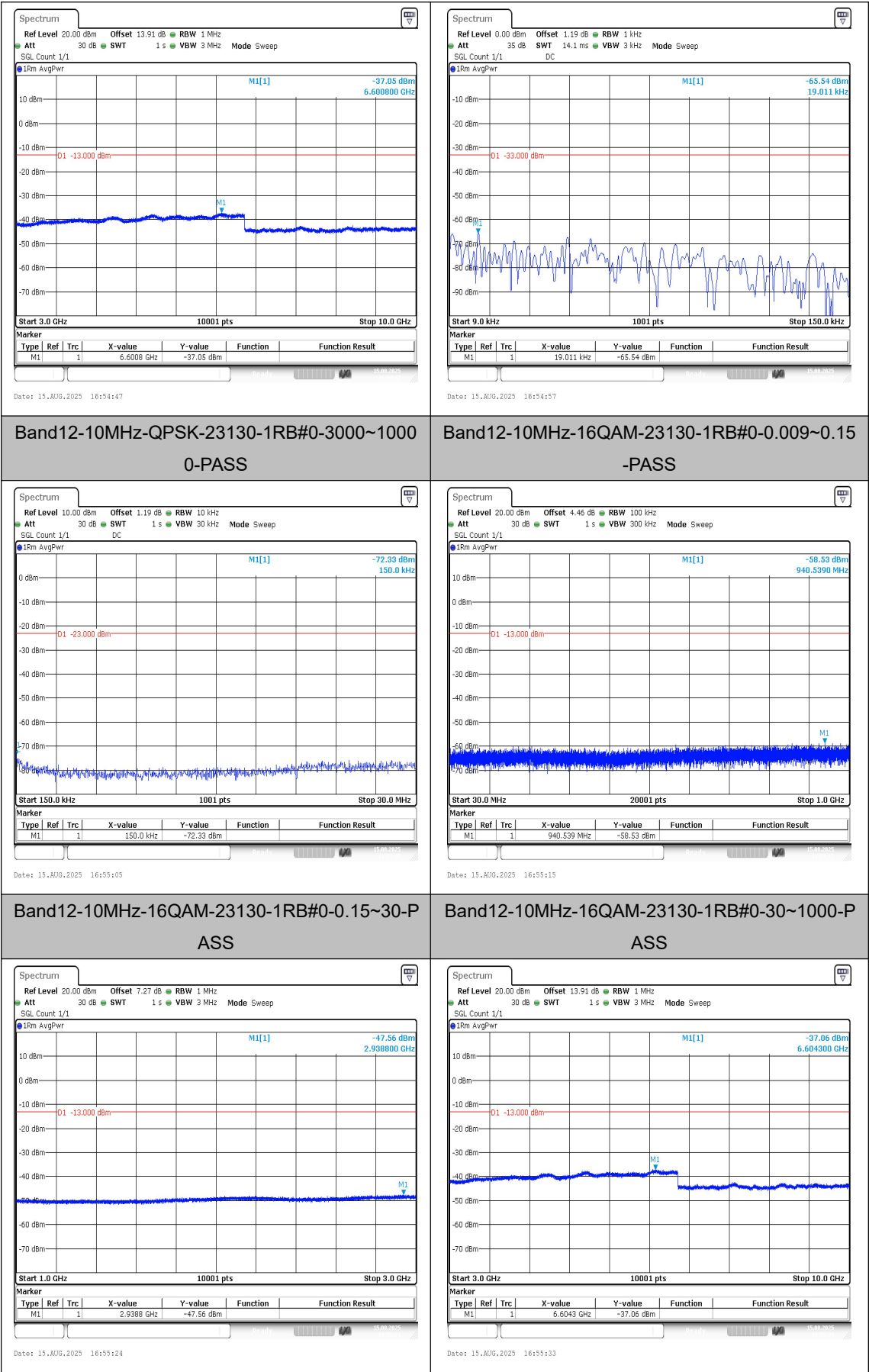






Band12-10MHz-16QAM-23130-1RB#0-1000~300 0-PASS	Band12-10MHz-16QAM-23130-1RB#0-3000~1000 0-PASS
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Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-2.99	-0.004273	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-4.11	-0.005874	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	5.92	0.008461	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-5.59	-0.007989	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-27.38	-0.039131	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-7.42	-0.010605	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	-13.05	-0.018651	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	4.59	0.006560	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	3.72	0.005317	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-19.60	-0.028012	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-9.57	-0.013677	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	-27.19	-0.038860	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-6.42	-0.009175	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	5.66	0.008089	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-20.79	-0.029713	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-14.68	-0.020980	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	-8.07	-0.011534	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	-11.63	-0.016621	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-6.87	-0.009710	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-1.54	-0.002177	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	12.15	0.017173	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	12.52	0.017696	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	21.82	0.030841	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	3.63	0.005131	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-2.49	-0.003519	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	8.73	0.012339	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	19.28	0.027251	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	6.14	0.008678	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-2.19	-0.003095	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	-4.62	-0.006530	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-3.62	-0.005117	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-26.04	-0.036806	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-15.81	-0.022346	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	-18.98	-0.026827	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	-13.90	-0.019647	±2.5	PASS

Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	-14.12	-0.019958	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-13.66	-0.019097	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	1.65	0.002307	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	12.26	0.017140	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	19.57	0.027359	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	18.65	0.026073	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	15.49	0.021655	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	13.53	0.018915	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	7.30	0.010206	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	20.17	0.028198	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	11.03	0.015420	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	15.79	0.022075	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	-3.98	-0.005564	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	14.28	0.019964	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	8.87	0.012400	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	20.18	0.028212	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	4.96	0.006934	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	2.93	0.004096	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	8.98	0.012554	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	9.04	0.012905	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	11.27	0.016089	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	3.68	0.005253	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	-29.91	-0.042698	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	28.87	0.041213	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	25.86	0.036916	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	3.03	0.004325	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	15.95	0.022769	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	7.81	0.011149	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	28.90	0.041256	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	3.53	0.005039	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	19.11	0.027281	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-4.88	-0.006966	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-4.09	-0.005839	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-12.20	-0.017416	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	-5.49	-0.007837	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	-3.89	-0.005553	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	5.12	0.007309	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	-13.22	-0.018686	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	25.33	0.035802	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	12.17	0.017201	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	20.41	0.028848	±2.5	PASS

Band12	3MHz	QPSK	23095	15RB#0	NV	10	7.98	0.011279	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	12.63	0.017852	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	8.08	0.011420	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	19.68	0.027816	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	-11.73	-0.016580	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-27.28	-0.038558	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-14.22	-0.020099	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	16.92	0.023915	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	6.14	0.008678	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-19.50	-0.027562	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-8.14	-0.011505	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	-20.13	-0.028452	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	-21.23	-0.030007	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	-25.58	-0.036155	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	12.16	0.017019	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	19.50	0.027292	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	4.58	0.006410	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	26.66	0.037313	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	9.56	0.013380	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	10.27	0.014374	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	17.42	0.024381	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	3.55	0.004969	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	25.36	0.035493	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	-16.35	-0.022883	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	-28.28	-0.039580	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	-20.01	-0.028006	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	1.63	0.002281	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-27.85	-0.038978	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	-25.58	-0.035801	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	-16.01	-0.022407	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	-11.36	-0.015899	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	21.96	0.030735	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	4.22	0.006016	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	20.43	0.029123	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-10	26.92	0.038375	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	8.64	0.012316	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	17.50	0.024947	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	8.27	0.011789	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	12.96	0.018475	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	4.66	0.006643	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	-1.42	-0.002024	±2.5	PASS

Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-11.04	-0.015738	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-29.35	-0.041839	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	-28.15	-0.040128	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-10.30	-0.014683	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-18.28	-0.026058	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	-26.51	-0.037790	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	-15.13	-0.021568	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-16.31	-0.023250	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	1.50	0.002138	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	2.35	0.003322	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	24.82	0.035081	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	7.81	0.011039	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	25.75	0.036396	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	4.65	0.006572	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	24.68	0.034883	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	22.63	0.031986	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-13.65	-0.019293	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	-13.28	-0.018770	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	-3.28	-0.004636	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	18.71	0.026445	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-10	15.06	0.021286	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	19.68	0.027816	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	25.38	0.035873	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	20.31	0.028707	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	17.95	0.025371	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	-12.87	-0.018191	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	21.86	0.030898	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	17.85	0.025018	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	-2.75	-0.003854	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	22.66	0.031759	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	24.93	0.034940	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	22.14	0.031030	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	2.59	0.003630	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	27.98	0.039215	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	18.94	0.026545	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	11.46	0.016062	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	-7.01	-0.009825	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	-30.64	-0.042943	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	-10.99	-0.015403	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	-24.70	-0.034618	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	-10.34	-0.014492	±2.5	PASS

Band12	5MHz	16QAM	23155	25RB#0	NV	20	-2.73	-0.003826	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	3.86	0.005410	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	-10.34	-0.014492	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	-9.81	-0.013749	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-30.66	-0.043551	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-26.82	-0.038097	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	10.31	0.014645	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	26.99	0.038338	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	15.39	0.021861	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	15.71	0.022315	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	7.71	0.010952	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	17.12	0.024318	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	18.22	0.025881	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-15.12	-0.021371	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-27.54	-0.038926	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-25.08	-0.035449	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-23.10	-0.032650	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-28.70	-0.040565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-6.42	-0.009074	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-17.68	-0.024989	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-24.16	-0.034148	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-4.09	-0.005781	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-19.71	-0.027722	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-19.87	-0.027947	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-27.48	-0.038650	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-13.65	-0.019198	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-18.02	-0.025345	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-17.82	-0.025063	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-10.77	-0.015148	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-9.11	-0.012813	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-14.62	-0.020563	±2.5	PASS