

Appendix F: Frequency Stability

Test Result

WCDMA

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VH	NT	0.82	0.000992	±2.5	PASS
Band5	4132	VL	NT	0.77	0.000932	±2.5	PASS
Band5	4132	VN	NT	0.84	0.001016	±2.5	PASS
Band5	4182	VH	NT	-0.21	-0.000251	±2.5	PASS
Band5	4182	VL	NT	-0.36	-0.000430	±2.5	PASS
Band5	4182	VN	NT	-0.03	-0.000036	±2.5	PASS
Band5	4233	VH	NT	-2.02	-0.002386	±2.5	PASS
Band5	4233	VL	NT	-1.92	-0.002268	±2.5	PASS
Band5	4233	VN	NT	-2.07	-0.002445	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	0	1.06	0.001283	±2.5	PASS
Band5	4132	NV	10	0.79	0.000956	±2.5	PASS
Band5	4132	NV	-10	0.87	0.001053	±2.5	PASS
Band5	4132	NV	20	0.67	0.000811	±2.5	PASS
Band5	4132	NV	-20	0.97	0.001174	±2.5	PASS
Band5	4132	NV	30	1.01	0.001222	±2.5	PASS
Band5	4132	NV	-30	0.73	0.000883	±2.5	PASS
Band5	4132	NV	40	0.91	0.001101	±2.5	PASS
Band5	4132	NV	50	0.88	0.001065	±2.5	PASS
Band5	4182	NV	0	-0.01	-0.000012	±2.5	PASS
Band5	4182	NV	10	-0.06	-0.000072	±2.5	PASS
Band5	4182	NV	-10	-0.14	-0.000167	±2.5	PASS
Band5	4182	NV	20	-0.02	-0.000024	±2.5	PASS
Band5	4182	NV	-20	-0.15	-0.000179	±2.5	PASS
Band5	4182	NV	30	-0.25	-0.000299	±2.5	PASS
Band5	4182	NV	-30	-0.17	-0.000203	±2.5	PASS
Band5	4182	NV	40	-0.30	-0.000359	±2.5	PASS
Band5	4182	NV	50	-0.14	-0.000167	±2.5	PASS
Band5	4233	NV	0	-1.75	-0.002067	±2.5	PASS
Band5	4233	NV	10	-1.75	-0.002067	±2.5	PASS

Band5	4233	NV	-10	-1.60	-0.001890	±2.5	PASS
Band5	4233	NV	20	-2.02	-0.002386	±2.5	PASS
Band5	4233	NV	-20	-1.65	-0.001949	±2.5	PASS
Band5	4233	NV	30	-1.51	-0.001784	±2.5	PASS
Band5	4233	NV	-30	-1.62	-0.001914	±2.5	PASS
Band5	4233	NV	40	-1.72	-0.002032	±2.5	PASS
Band5	4233	NV	50	-1.85	-0.002185	±2.5	PASS

HSDPA

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	VH	NT	-1.37	-0.001658	±2.5	PASS
Band5	4132	1	VL	NT	-1.53	-0.001851	±2.5	PASS
Band5	4132	1	VN	NT	-1.09	-0.001319	±2.5	PASS
Band5	4132	2	VH	NT	-0.67	-0.000811	±2.5	PASS
Band5	4132	2	VL	NT	-1.19	-0.001440	±2.5	PASS
Band5	4132	2	VN	NT	-1.29	-0.001561	±2.5	PASS
Band5	4132	3	VH	NT	-1.19	-0.001440	±2.5	PASS
Band5	4132	3	VL	NT	-1.55	-0.001876	±2.5	PASS
Band5	4132	3	VN	NT	-1.31	-0.001585	±2.5	PASS
Band5	4132	4	VH	NT	-0.96	-0.001162	±2.5	PASS
Band5	4132	4	VL	NT	-1.18	-0.001428	±2.5	PASS
Band5	4132	4	VN	NT	-1.66	-0.002009	±2.5	PASS
Band5	4182	1	VH	NT	-1.29	-0.001542	±2.5	PASS
Band5	4182	1	VL	NT	-1.49	-0.001781	±2.5	PASS
Band5	4182	1	VN	NT	-1.09	-0.001303	±2.5	PASS
Band5	4182	2	VH	NT	-1.28	-0.001530	±2.5	PASS
Band5	4182	2	VL	NT	-1.43	-0.001710	±2.5	PASS
Band5	4182	2	VN	NT	-1.00	-0.001196	±2.5	PASS
Band5	4182	3	VH	NT	-1.34	-0.001602	±2.5	PASS
Band5	4182	3	VL	NT	-1.80	-0.002152	±2.5	PASS
Band5	4182	3	VN	NT	-1.34	-0.001602	±2.5	PASS
Band5	4182	4	VH	NT	-0.94	-0.001124	±2.5	PASS
Band5	4182	4	VL	NT	-1.29	-0.001542	±2.5	PASS
Band5	4182	4	VN	NT	-0.99	-0.001184	±2.5	PASS
Band5	4233	1	VH	NT	-1.37	-0.001618	±2.5	PASS
Band5	4233	1	VL	NT	-1.19	-0.001406	±2.5	PASS
Band5	4233	1	VN	NT	-1.24	-0.001465	±2.5	PASS
Band5	4233	2	VH	NT	-1.25	-0.001476	±2.5	PASS

Band5	4233	2	VL	NT	-1.52	-0.001795	±2.5	PASS
Band5	4233	2	VN	NT	-1.12	-0.001323	±2.5	PASS
Band5	4233	3	VH	NT	-0.85	-0.001004	±2.5	PASS
Band5	4233	3	VL	NT	-1.12	-0.001323	±2.5	PASS
Band5	4233	3	VN	NT	-1.44	-0.001701	±2.5	PASS
Band5	4233	4	VH	NT	-1.87	-0.002209	±2.5	PASS
Band5	4233	4	VL	NT	-1.75	-0.002067	±2.5	PASS
Band5	4233	4	VN	NT	-1.38	-0.001630	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	NV	0	-1.57	-0.001900	±2.5	PASS
Band5	4132	1	NV	10	-1.67	-0.002021	±2.5	PASS
Band5	4132	1	NV	-10	-0.97	-0.001174	±2.5	PASS
Band5	4132	1	NV	20	-1.60	-0.001936	±2.5	PASS
Band5	4132	1	NV	-20	-1.56	-0.001888	±2.5	PASS
Band5	4132	1	NV	30	-1.59	-0.001924	±2.5	PASS
Band5	4132	1	NV	-30	-0.99	-0.001198	±2.5	PASS
Band5	4132	1	NV	40	-1.40	-0.001694	±2.5	PASS
Band5	4132	1	NV	50	-1.13	-0.001367	±2.5	PASS
Band5	4132	2	NV	0	-1.28	-0.001549	±2.5	PASS
Band5	4132	2	NV	10	-1.48	-0.001791	±2.5	PASS
Band5	4132	2	NV	-10	-1.16	-0.001404	±2.5	PASS
Band5	4132	2	NV	20	-1.28	-0.001549	±2.5	PASS
Band5	4132	2	NV	-20	-1.24	-0.001500	±2.5	PASS
Band5	4132	2	NV	30	-1.03	-0.001246	±2.5	PASS
Band5	4132	2	NV	-30	-0.87	-0.001053	±2.5	PASS
Band5	4132	2	NV	40	-1.30	-0.001573	±2.5	PASS
Band5	4132	2	NV	50	-1.11	-0.001343	±2.5	PASS
Band5	4132	3	NV	0	-1.17	-0.001416	±2.5	PASS
Band5	4132	3	NV	10	-1.80	-0.002178	±2.5	PASS
Band5	4132	3	NV	-10	-1.71	-0.002069	±2.5	PASS
Band5	4132	3	NV	20	-1.57	-0.001900	±2.5	PASS
Band5	4132	3	NV	-20	-1.32	-0.001597	±2.5	PASS
Band5	4132	3	NV	30	-0.89	-0.001077	±2.5	PASS
Band5	4132	3	NV	-30	-1.32	-0.001597	±2.5	PASS
Band5	4132	3	NV	40	-1.19	-0.001440	±2.5	PASS
Band5	4132	3	NV	50	-1.08	-0.001307	±2.5	PASS
Band5	4132	4	NV	0	-0.99	-0.001198	±2.5	PASS

Band5	4132	4	NV	10	-1.47	-0.001779	±2.5	PASS
Band5	4132	4	NV	-10	-1.42	-0.001718	±2.5	PASS
Band5	4132	4	NV	20	-1.58	-0.001912	±2.5	PASS
Band5	4132	4	NV	-20	-1.49	-0.001803	±2.5	PASS
Band5	4132	4	NV	30	-1.82	-0.002202	±2.5	PASS
Band5	4132	4	NV	-30	-0.89	-0.001077	±2.5	PASS
Band5	4132	4	NV	40	-1.15	-0.001392	±2.5	PASS
Band5	4132	4	NV	50	-1.20	-0.001452	±2.5	PASS
Band5	4182	1	NV	0	-1.16	-0.001387	±2.5	PASS
Band5	4182	1	NV	10	-1.37	-0.001638	±2.5	PASS
Band5	4182	1	NV	-10	-1.54	-0.001841	±2.5	PASS
Band5	4182	1	NV	20	-1.51	-0.001805	±2.5	PASS
Band5	4182	1	NV	-20	-1.18	-0.001411	±2.5	PASS
Band5	4182	1	NV	30	-1.30	-0.001554	±2.5	PASS
Band5	4182	1	NV	-30	-1.29	-0.001542	±2.5	PASS
Band5	4182	1	NV	40	-1.16	-0.001387	±2.5	PASS
Band5	4182	1	NV	50	-1.42	-0.001698	±2.5	PASS
Band5	4182	2	NV	0	-1.37	-0.001638	±2.5	PASS
Band5	4182	2	NV	10	-1.89	-0.002260	±2.5	PASS
Band5	4182	2	NV	-10	-1.71	-0.002044	±2.5	PASS
Band5	4182	2	NV	20	-1.64	-0.001961	±2.5	PASS
Band5	4182	2	NV	-20	-1.67	-0.001997	±2.5	PASS
Band5	4182	2	NV	30	-1.46	-0.001746	±2.5	PASS
Band5	4182	2	NV	-30	-1.42	-0.001698	±2.5	PASS
Band5	4182	2	NV	40	-1.53	-0.001829	±2.5	PASS
Band5	4182	2	NV	50	-1.49	-0.001781	±2.5	PASS
Band5	4182	3	NV	0	-1.25	-0.001495	±2.5	PASS
Band5	4182	3	NV	10	-1.52	-0.001817	±2.5	PASS
Band5	4182	3	NV	-10	-1.71	-0.002044	±2.5	PASS
Band5	4182	3	NV	20	-1.90	-0.002272	±2.5	PASS
Band5	4182	3	NV	-20	-1.12	-0.001339	±2.5	PASS
Band5	4182	3	NV	30	-1.55	-0.001853	±2.5	PASS
Band5	4182	3	NV	-30	-1.47	-0.001758	±2.5	PASS
Band5	4182	3	NV	40	-1.39	-0.001662	±2.5	PASS
Band5	4182	3	NV	50	-1.07	-0.001279	±2.5	PASS
Band5	4182	4	NV	0	-1.64	-0.001961	±2.5	PASS
Band5	4182	4	NV	10	-1.62	-0.001937	±2.5	PASS
Band5	4182	4	NV	-10	-1.33	-0.001590	±2.5	PASS
Band5	4182	4	NV	20	-1.29	-0.001542	±2.5	PASS
Band5	4182	4	NV	-20	-1.19	-0.001423	±2.5	PASS

Band5	4182	4	NV	30	-1.68	-0.002009	±2.5	PASS
Band5	4182	4	NV	-30	-1.54	-0.001841	±2.5	PASS
Band5	4182	4	NV	40	-1.70	-0.002033	±2.5	PASS
Band5	4182	4	NV	50	-1.12	-0.001339	±2.5	PASS
Band5	4233	1	NV	0	-1.23	-0.001453	±2.5	PASS
Band5	4233	1	NV	10	-1.44	-0.001701	±2.5	PASS
Band5	4233	1	NV	-10	-1.47	-0.001736	±2.5	PASS
Band5	4233	1	NV	20	-1.35	-0.001595	±2.5	PASS
Band5	4233	1	NV	-20	-1.69	-0.001996	±2.5	PASS
Band5	4233	1	NV	30	-1.31	-0.001547	±2.5	PASS
Band5	4233	1	NV	-30	-1.09	-0.001288	±2.5	PASS
Band5	4233	1	NV	40	-1.13	-0.001335	±2.5	PASS
Band5	4233	1	NV	50	-1.02	-0.001205	±2.5	PASS
Band5	4233	2	NV	0	-1.52	-0.001795	±2.5	PASS
Band5	4233	2	NV	10	-1.10	-0.001299	±2.5	PASS
Band5	4233	2	NV	-10	-1.47	-0.001736	±2.5	PASS
Band5	4233	2	NV	20	-1.46	-0.001725	±2.5	PASS
Band5	4233	2	NV	-20	-1.42	-0.001677	±2.5	PASS
Band5	4233	2	NV	30	-1.11	-0.001311	±2.5	PASS
Band5	4233	2	NV	-30	-1.40	-0.001654	±2.5	PASS
Band5	4233	2	NV	40	-1.54	-0.001819	±2.5	PASS
Band5	4233	2	NV	50	-1.50	-0.001772	±2.5	PASS
Band5	4233	3	NV	0	-1.79	-0.002114	±2.5	PASS
Band5	4233	3	NV	10	-1.02	-0.001205	±2.5	PASS
Band5	4233	3	NV	-10	-1.41	-0.001665	±2.5	PASS
Band5	4233	3	NV	20	-1.54	-0.001819	±2.5	PASS
Band5	4233	3	NV	-20	-0.90	-0.001063	±2.5	PASS
Band5	4233	3	NV	30	-1.48	-0.001748	±2.5	PASS
Band5	4233	3	NV	-30	-1.49	-0.001760	±2.5	PASS
Band5	4233	3	NV	40	-1.20	-0.001417	±2.5	PASS
Band5	4233	3	NV	50	-1.17	-0.001382	±2.5	PASS
Band5	4233	4	NV	0	-1.17	-0.001382	±2.5	PASS
Band5	4233	4	NV	10	-1.43	-0.001689	±2.5	PASS
Band5	4233	4	NV	-10	-1.62	-0.001914	±2.5	PASS
Band5	4233	4	NV	20	-1.27	-0.001500	±2.5	PASS
Band5	4233	4	NV	-20	-1.13	-0.001335	±2.5	PASS
Band5	4233	4	NV	30	-1.00	-0.001181	±2.5	PASS
Band5	4233	4	NV	-30	-1.08	-0.001276	±2.5	PASS
Band5	4233	4	NV	40	-1.48	-0.001748	±2.5	PASS
Band5	4233	4	NV	50	-0.72	-0.000850	±2.5	PASS

HSUPA

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	VH	NT	0.45	0.000545	±2.5	PASS
Band5	4132	1	VL	NT	0.43	0.000520	±2.5	PASS
Band5	4132	1	VN	NT	-0.27	-0.000327	±2.5	PASS
Band5	4132	2	VH	NT	0.79	0.000956	±2.5	PASS
Band5	4132	2	VL	NT	0.68	0.000823	±2.5	PASS
Band5	4132	2	VN	NT	0.36	0.000436	±2.5	PASS
Band5	4132	3	VH	NT	0.86	0.001041	±2.5	PASS
Band5	4132	3	VL	NT	0.77	0.000932	±2.5	PASS
Band5	4132	3	VN	NT	0.50	0.000605	±2.5	PASS
Band5	4132	4	VH	NT	0.80	0.000968	±2.5	PASS
Band5	4132	4	VL	NT	0.67	0.000811	±2.5	PASS
Band5	4132	4	VN	NT	0.49	0.000593	±2.5	PASS
Band5	4132	5	VH	NT	0.91	0.001101	±2.5	PASS
Band5	4132	5	VL	NT	0.92	0.001113	±2.5	PASS
Band5	4132	5	VN	NT	0.92	0.001113	±2.5	PASS
Band5	4182	1	VH	NT	0.89	0.001064	±2.5	PASS
Band5	4182	1	VL	NT	1.05	0.001255	±2.5	PASS
Band5	4182	1	VN	NT	0.88	0.001052	±2.5	PASS
Band5	4182	2	VH	NT	0.97	0.001160	±2.5	PASS
Band5	4182	2	VL	NT	1.03	0.001231	±2.5	PASS
Band5	4182	2	VN	NT	0.79	0.000945	±2.5	PASS
Band5	4182	3	VH	NT	0.82	0.000980	±2.5	PASS
Band5	4182	3	VL	NT	1.01	0.001208	±2.5	PASS
Band5	4182	3	VN	NT	0.84	0.001004	±2.5	PASS
Band5	4182	4	VH	NT	0.94	0.001124	±2.5	PASS
Band5	4182	4	VL	NT	1.01	0.001208	±2.5	PASS
Band5	4182	4	VN	NT	0.84	0.001004	±2.5	PASS
Band5	4182	5	VH	NT	0.98	0.001172	±2.5	PASS
Band5	4182	5	VL	NT	0.92	0.001100	±2.5	PASS
Band5	4182	5	VN	NT	0.92	0.001100	±2.5	PASS
Band5	4233	1	VH	NT	1.05	0.001240	±2.5	PASS
Band5	4233	1	VL	NT	1.10	0.001299	±2.5	PASS
Band5	4233	1	VN	NT	0.84	0.000992	±2.5	PASS
Band5	4233	2	VH	NT	0.87	0.001028	±2.5	PASS
Band5	4233	2	VL	NT	0.94	0.001110	±2.5	PASS
Band5	4233	2	VN	NT	0.95	0.001122	±2.5	PASS

Band5	4233	3	VH	NT	1.04	0.001228	±2.5	PASS
Band5	4233	3	VL	NT	0.94	0.001110	±2.5	PASS
Band5	4233	3	VN	NT	0.93	0.001099	±2.5	PASS
Band5	4233	4	VH	NT	0.90	0.001063	±2.5	PASS
Band5	4233	4	VL	NT	0.96	0.001134	±2.5	PASS
Band5	4233	4	VN	NT	0.91	0.001075	±2.5	PASS
Band5	4233	5	VH	NT	1.08	0.001276	±2.5	PASS
Band5	4233	5	VL	NT	1.02	0.001205	±2.5	PASS
Band5	4233	5	VN	NT	0.88	0.001039	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	NV	0	0.65	0.000787	±2.5	PASS
Band5	4132	1	NV	10	0.74	0.000895	±2.5	PASS
Band5	4132	1	NV	-10	0.46	0.000557	±2.5	PASS
Band5	4132	1	NV	20	0.59	0.000714	±2.5	PASS
Band5	4132	1	NV	-20	0.66	0.000799	±2.5	PASS
Band5	4132	1	NV	30	0.68	0.000823	±2.5	PASS
Band5	4132	1	NV	-30	0.77	0.000932	±2.5	PASS
Band5	4132	1	NV	40	0.83	0.001004	±2.5	PASS
Band5	4132	1	NV	50	0.66	0.000799	±2.5	PASS
Band5	4132	2	NV	0	0.80	0.000968	±2.5	PASS
Band5	4132	2	NV	10	0.96	0.001162	±2.5	PASS
Band5	4132	2	NV	-10	0.92	0.001113	±2.5	PASS
Band5	4132	2	NV	20	0.82	0.000992	±2.5	PASS
Band5	4132	2	NV	-20	0.81	0.000980	±2.5	PASS
Band5	4132	2	NV	30	0.91	0.001101	±2.5	PASS
Band5	4132	2	NV	-30	0.75	0.000908	±2.5	PASS
Band5	4132	2	NV	40	0.87	0.001053	±2.5	PASS
Band5	4132	2	NV	50	0.93	0.001125	±2.5	PASS
Band5	4132	3	NV	0	1.00	0.001210	±2.5	PASS
Band5	4132	3	NV	10	0.94	0.001137	±2.5	PASS
Band5	4132	3	NV	-10	0.97	0.001174	±2.5	PASS
Band5	4132	3	NV	20	1.03	0.001246	±2.5	PASS
Band5	4132	3	NV	-20	0.97	0.001174	±2.5	PASS
Band5	4132	3	NV	30	0.98	0.001186	±2.5	PASS
Band5	4132	3	NV	-30	0.87	0.001053	±2.5	PASS
Band5	4132	3	NV	40	0.87	0.001053	±2.5	PASS
Band5	4132	3	NV	50	0.88	0.001065	±2.5	PASS

Band5	4132	4	NV	0	0.89	0.001077	±2.5	PASS
Band5	4132	4	NV	10	0.92	0.001113	±2.5	PASS
Band5	4132	4	NV	-10	1.08	0.001307	±2.5	PASS
Band5	4132	4	NV	20	0.94	0.001137	±2.5	PASS
Band5	4132	4	NV	-20	0.77	0.000932	±2.5	PASS
Band5	4132	4	NV	30	0.92	0.001113	±2.5	PASS
Band5	4132	4	NV	-30	0.91	0.001101	±2.5	PASS
Band5	4132	4	NV	40	0.89	0.001077	±2.5	PASS
Band5	4132	4	NV	50	0.94	0.001137	±2.5	PASS
Band5	4132	5	NV	0	0.83	0.001004	±2.5	PASS
Band5	4132	5	NV	10	0.97	0.001174	±2.5	PASS
Band5	4132	5	NV	-10	1.02	0.001234	±2.5	PASS
Band5	4132	5	NV	20	0.96	0.001162	±2.5	PASS
Band5	4132	5	NV	-20	0.92	0.001113	±2.5	PASS
Band5	4132	5	NV	30	0.97	0.001174	±2.5	PASS
Band5	4132	5	NV	-30	0.92	0.001113	±2.5	PASS
Band5	4132	5	NV	40	0.95	0.001150	±2.5	PASS
Band5	4132	5	NV	50	0.81	0.000980	±2.5	PASS
Band5	4182	1	NV	0	0.89	0.001064	±2.5	PASS
Band5	4182	1	NV	10	1.05	0.001255	±2.5	PASS
Band5	4182	1	NV	-10	0.96	0.001148	±2.5	PASS
Band5	4182	1	NV	20	1.02	0.001220	±2.5	PASS
Band5	4182	1	NV	-20	0.95	0.001136	±2.5	PASS
Band5	4182	1	NV	30	0.97	0.001160	±2.5	PASS
Band5	4182	1	NV	-30	0.95	0.001136	±2.5	PASS
Band5	4182	1	NV	40	1.01	0.001208	±2.5	PASS
Band5	4182	1	NV	50	1.07	0.001279	±2.5	PASS
Band5	4182	2	NV	0	0.90	0.001076	±2.5	PASS
Band5	4182	2	NV	10	0.64	0.000765	±2.5	PASS
Band5	4182	2	NV	-10	0.88	0.001052	±2.5	PASS
Band5	4182	2	NV	20	0.94	0.001124	±2.5	PASS
Band5	4182	2	NV	-20	0.97	0.001160	±2.5	PASS
Band5	4182	2	NV	30	0.99	0.001184	±2.5	PASS
Band5	4182	2	NV	-30	0.87	0.001040	±2.5	PASS
Band5	4182	2	NV	40	1.03	0.001231	±2.5	PASS
Band5	4182	2	NV	50	1.04	0.001243	±2.5	PASS
Band5	4182	3	NV	0	1.01	0.001208	±2.5	PASS
Band5	4182	3	NV	10	0.98	0.001172	±2.5	PASS
Band5	4182	3	NV	-10	0.92	0.001100	±2.5	PASS
Band5	4182	3	NV	20	0.90	0.001076	±2.5	PASS

Band5	4182	3	NV	-20	0.97	0.001160	±2.5	PASS
Band5	4182	3	NV	30	1.01	0.001208	±2.5	PASS
Band5	4182	3	NV	-30	0.93	0.001112	±2.5	PASS
Band5	4182	3	NV	40	0.94	0.001124	±2.5	PASS
Band5	4182	3	NV	50	0.92	0.001100	±2.5	PASS
Band5	4182	4	NV	0	1.07	0.001279	±2.5	PASS
Band5	4182	4	NV	10	1.01	0.001208	±2.5	PASS
Band5	4182	4	NV	-10	1.08	0.001291	±2.5	PASS
Band5	4182	4	NV	20	1.07	0.001279	±2.5	PASS
Band5	4182	4	NV	-20	1.12	0.001339	±2.5	PASS
Band5	4182	4	NV	30	1.02	0.001220	±2.5	PASS
Band5	4182	4	NV	-30	0.94	0.001124	±2.5	PASS
Band5	4182	4	NV	40	0.94	0.001124	±2.5	PASS
Band5	4182	4	NV	50	1.03	0.001231	±2.5	PASS
Band5	4182	5	NV	0	1.14	0.001363	±2.5	PASS
Band5	4182	5	NV	10	1.02	0.001220	±2.5	PASS
Band5	4182	5	NV	-10	1.13	0.001351	±2.5	PASS
Band5	4182	5	NV	20	1.00	0.001196	±2.5	PASS
Band5	4182	5	NV	-20	0.94	0.001124	±2.5	PASS
Band5	4182	5	NV	30	0.93	0.001112	±2.5	PASS
Band5	4182	5	NV	-30	1.02	0.001220	±2.5	PASS
Band5	4182	5	NV	40	1.04	0.001243	±2.5	PASS
Band5	4182	5	NV	50	1.04	0.001243	±2.5	PASS
Band5	4233	1	NV	0	1.31	0.001547	±2.5	PASS
Band5	4233	1	NV	10	1.10	0.001299	±2.5	PASS
Band5	4233	1	NV	-10	0.88	0.001039	±2.5	PASS
Band5	4233	1	NV	20	1.10	0.001299	±2.5	PASS
Band5	4233	1	NV	-20	1.14	0.001347	±2.5	PASS
Band5	4233	1	NV	30	1.05	0.001240	±2.5	PASS
Band5	4233	1	NV	-30	0.94	0.001110	±2.5	PASS
Band5	4233	1	NV	40	1.22	0.001441	±2.5	PASS
Band5	4233	1	NV	50	0.99	0.001169	±2.5	PASS
Band5	4233	2	NV	0	1.04	0.001228	±2.5	PASS
Band5	4233	2	NV	10	0.84	0.000992	±2.5	PASS
Band5	4233	2	NV	-10	1.06	0.001252	±2.5	PASS
Band5	4233	2	NV	20	0.89	0.001051	±2.5	PASS
Band5	4233	2	NV	-20	1.02	0.001205	±2.5	PASS
Band5	4233	2	NV	30	1.10	0.001299	±2.5	PASS
Band5	4233	2	NV	-30	1.84	0.002173	±2.5	PASS
Band5	4233	2	NV	40	1.02	0.001205	±2.5	PASS

Band5	4233	2	NV	50	0.97	0.001146	±2.5	PASS
Band5	4233	3	NV	0	1.14	0.001347	±2.5	PASS
Band5	4233	3	NV	10	1.23	0.001453	±2.5	PASS
Band5	4233	3	NV	-10	0.87	0.001028	±2.5	PASS
Band5	4233	3	NV	20	1.07	0.001264	±2.5	PASS
Band5	4233	3	NV	-20	1.11	0.001311	±2.5	PASS
Band5	4233	3	NV	30	1.06	0.001252	±2.5	PASS
Band5	4233	3	NV	-30	1.14	0.001347	±2.5	PASS
Band5	4233	3	NV	40	0.90	0.001063	±2.5	PASS
Band5	4233	3	NV	50	1.05	0.001240	±2.5	PASS
Band5	4233	4	NV	0	0.96	0.001134	±2.5	PASS
Band5	4233	4	NV	10	1.02	0.001205	±2.5	PASS
Band5	4233	4	NV	-10	1.14	0.001347	±2.5	PASS
Band5	4233	4	NV	20	0.98	0.001158	±2.5	PASS
Band5	4233	4	NV	-20	0.87	0.001028	±2.5	PASS
Band5	4233	4	NV	30	1.20	0.001417	±2.5	PASS
Band5	4233	4	NV	-30	0.94	0.001110	±2.5	PASS
Band5	4233	4	NV	40	1.10	0.001299	±2.5	PASS
Band5	4233	4	NV	50	0.96	0.001134	±2.5	PASS
Band5	4233	5	NV	0	1.15	0.001358	±2.5	PASS
Band5	4233	5	NV	10	1.20	0.001417	±2.5	PASS
Band5	4233	5	NV	-10	1.04	0.001228	±2.5	PASS
Band5	4233	5	NV	20	0.99	0.001169	±2.5	PASS
Band5	4233	5	NV	-20	0.94	0.001110	±2.5	PASS
Band5	4233	5	NV	30	1.17	0.001382	±2.5	PASS
Band5	4233	5	NV	-30	0.94	0.001110	±2.5	PASS
Band5	4233	5	NV	40	1.16	0.001370	±2.5	PASS
Band5	4233	5	NV	50	1.19	0.001406	±2.5	PASS