

WCDMA Band4 Test Data

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	21.35	30	PASS
Band4	1413	21.69	30	PASS
Band4	1513	21.63	30	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	1	19.76	30	PASS
Band4	1312	2	20.03	30	PASS
Band4	1312	3	19.36	30	PASS
Band4	1312	4	19.34	30	PASS
Band4	1413	1	20.44	30	PASS
Band4	1413	2	19.96	30	PASS
Band4	1413	3	19.97	30	PASS
Band4	1413	4	19.97	30	PASS
Band4	1513	1	20.35	30	PASS
Band4	1513	2	19.89	30	PASS
Band4	1513	3	19.98	30	PASS
Band4	1513	4	20.00	30	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	1	19.89	30	PASS
Band4	1312	2	18.38	30	PASS
Band4	1312	3	18.89	30	PASS
Band4	1312	4	18.22	30	PASS
Band4	1312	5	20.50	30	PASS
Band4	1413	1	20.16	30	PASS
Band4	1413	2	18.98	30	PASS
Band4	1413	3	19.58	30	PASS
Band4	1413	4	18.42	30	PASS
Band4	1413	5	20.55	30	PASS
Band4	1513	1	20.11	30	PASS

Band4	1513	2	18.92	30	PASS
Band4	1513	3	19.41	30	PASS
Band4	1513	4	18.40	30	PASS
Band4	1513	5	20.40	30	PASS



Appendix B: Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	2.86	13	PASS
Band4	1413	2.63	13	PASS
Band4	1513	2.89	13	PASS

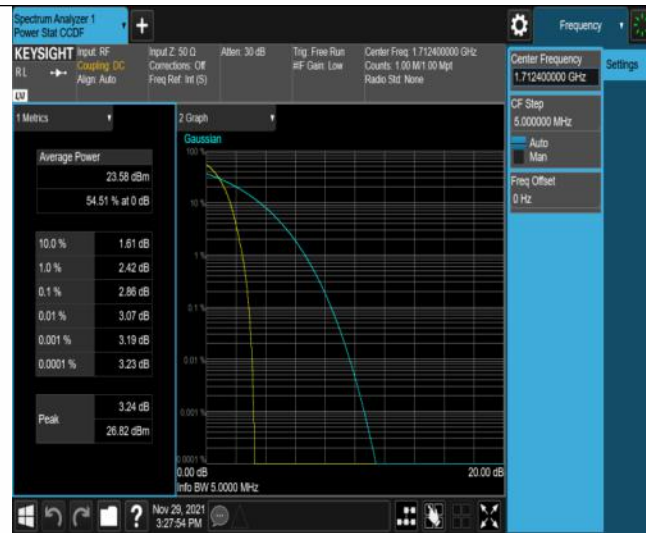
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.04	13	PASS
Band4	1312	2	3.51	13	PASS
Band4	1312	3	3.72	13	PASS
Band4	1312	4	3.76	13	PASS
Band4	1413	1	2.82	13	PASS
Band4	1413	2	3.36	13	PASS
Band4	1413	3	3.58	13	PASS
Band4	1413	4	3.62	13	PASS
Band4	1513	1	3.11	13	PASS
Band4	1513	2	3.68	13	PASS
Band4	1513	3	3.77	13	PASS
Band4	1513	4	3.91	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	4.16	13	PASS
Band4	1312	2	5.14	13	PASS
Band4	1312	3	4.92	13	PASS
Band4	1312	4	5.19	13	PASS
Band4	1312	5	4.02	13	PASS
Band4	1413	1	4.29	13	PASS
Band4	1413	2	5.4	13	PASS
Band4	1413	3	4.97	13	PASS
Band4	1413	4	5.4	13	PASS
Band4	1413	5	4.54	13	PASS
Band4	1513	1	4.29	13	PASS

Band4	1513	2	5.37	13	PASS
Band4	1513	3	4.92	13	PASS
Band4	1513	4	5.37	13	PASS
Band4	1513	5	4.54	13	PASS



Test Graphs



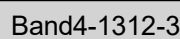
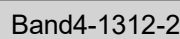
Band4-1312

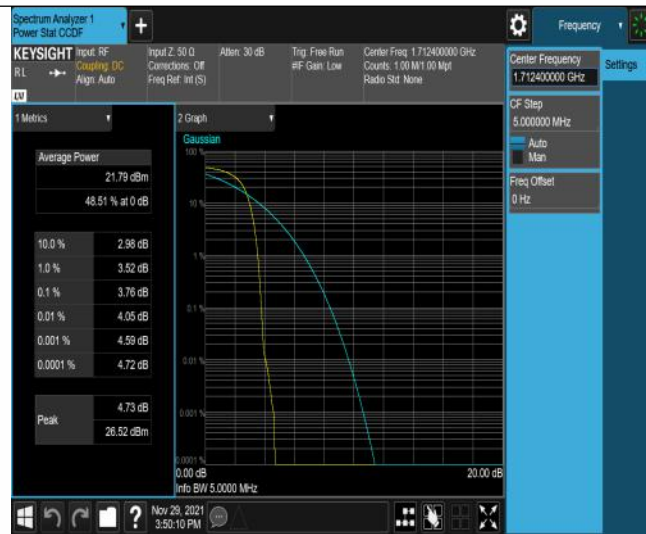


Band4-1413

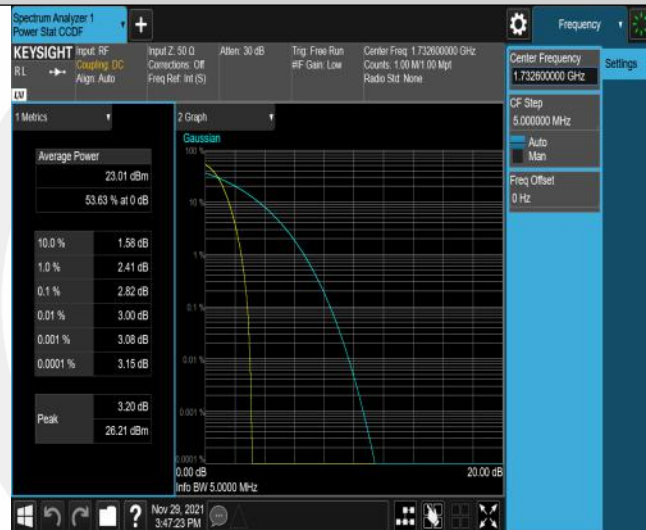


Band4-1513





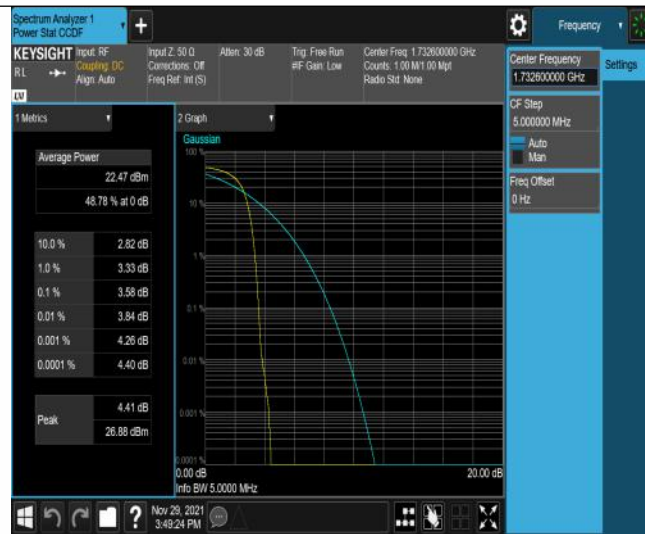
Band4-1312-4



Band4-1413-1



Band4-1413-2



Band4-1413-3



Band4-1413-4



Band4-1513-1



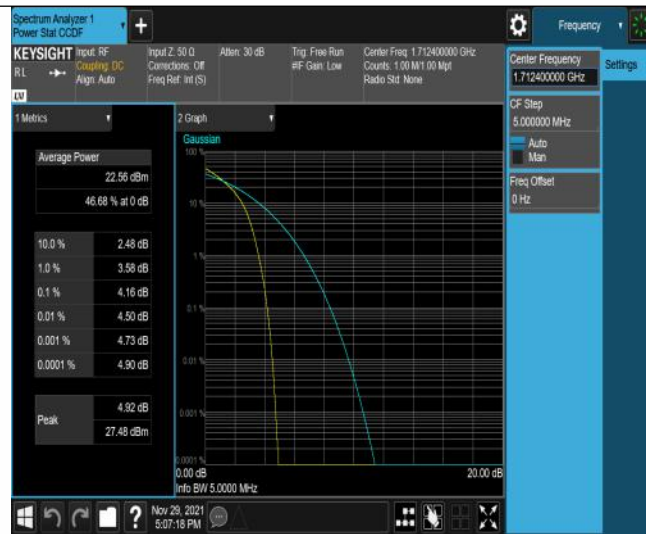
Band4-1513-2



Band4-1513-3



Band4-1513-4



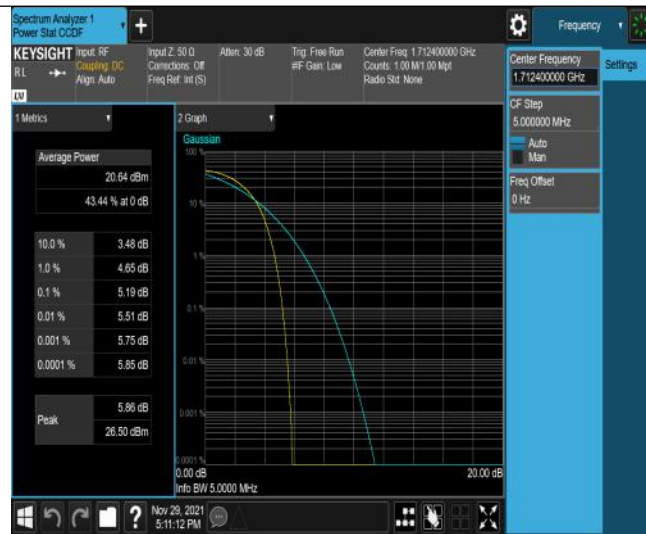
Band4-1312-1



Band4-1312-2



Band4-1312-3



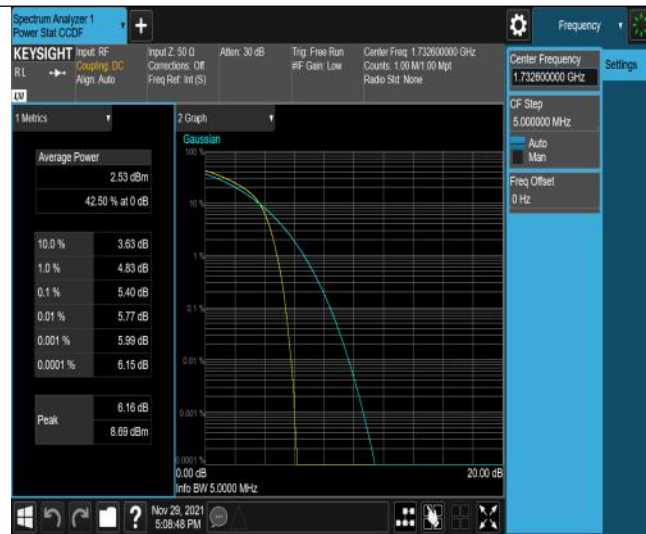
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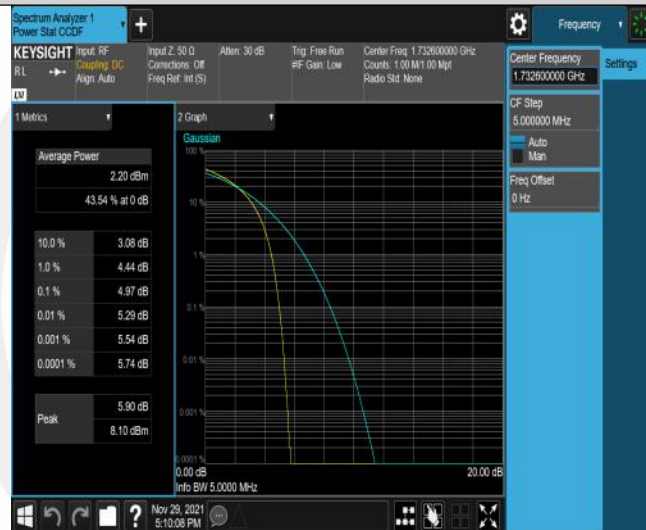
Band4-1312-5



Band4-1413-1



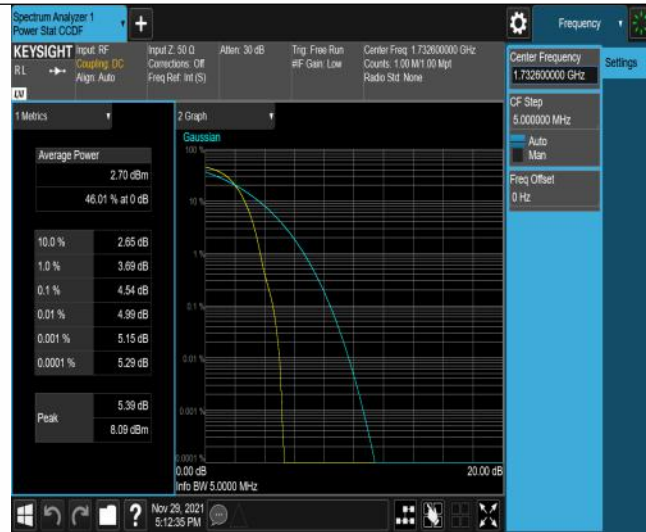
Band4-1413-2



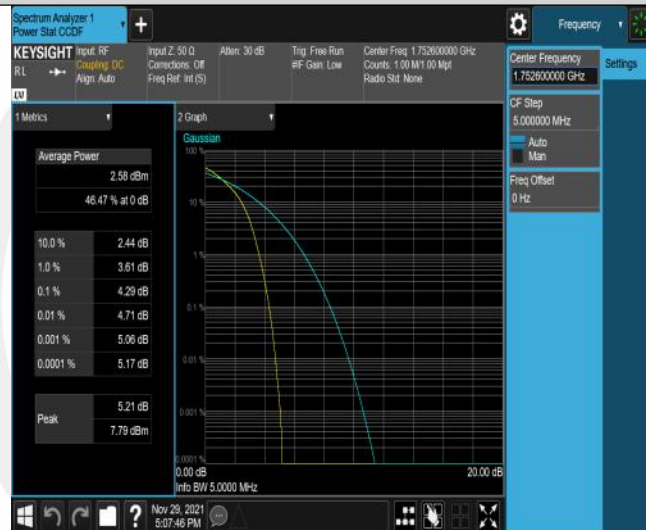
Band4-1413-3



Band4-1413-4



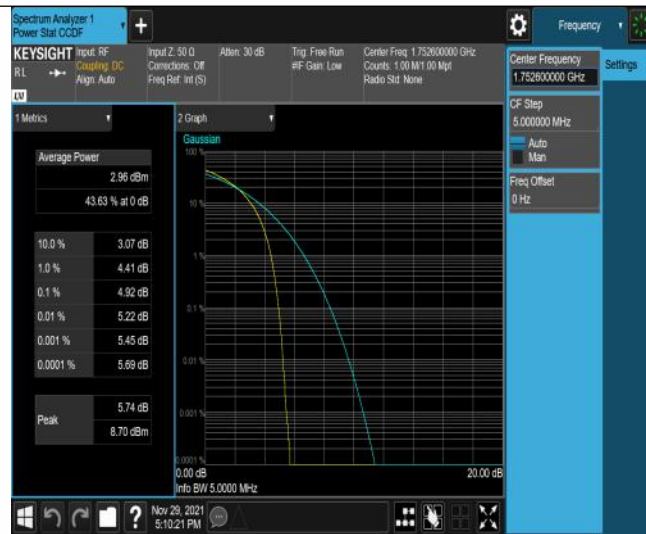
Band4-1413-5



Band4-1513-1



Band4-1513-2



Band4-1513-3



Band4-1513-4



Band4-1513-5

Appendix C:26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	4.1422	4.726	---	PASS
Band4	1413	4.1569	4.766	---	PASS
Band4	1513	4.1494	4.748	---	PASS

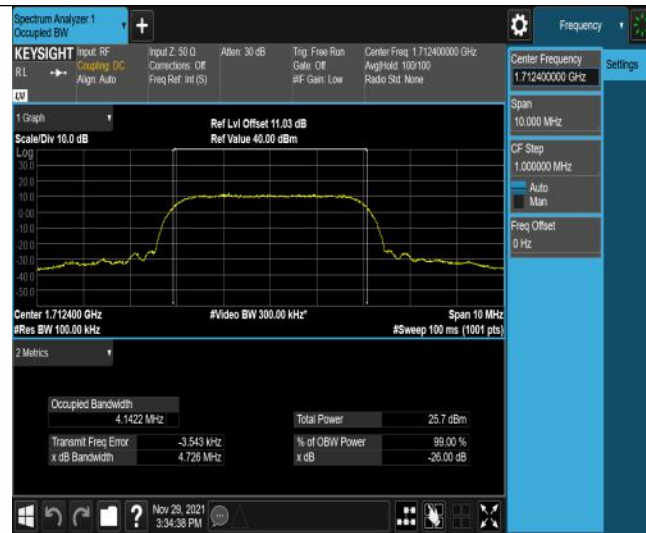
Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.1492	4.716	---	PASS
Band4	1312	2	4.1430	4.708	---	PASS
Band4	1312	3	4.1371	4.706	---	PASS
Band4	1312	4	4.1381	4.708	---	PASS
Band4	1413	1	4.1511	4.719	---	PASS
Band4	1413	2	4.1426	4.705	---	PASS
Band4	1413	3	4.1416	4.695	---	PASS
Band4	1413	4	4.1369	4.703	---	PASS
Band4	1513	1	4.1436	4.712	---	PASS
Band4	1513	2	4.1429	4.723	---	PASS
Band4	1513	3	4.1449	4.718	---	PASS
Band4	1513	4	4.1500	4.714	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.1559	4.740	---	PASS
Band4	1312	2	4.1458	4.724	---	PASS
Band4	1312	3	4.1565	4.736	---	PASS
Band4	1312	4	4.1479	4.739	---	PASS
Band4	1312	5	4.1423	4.727	---	PASS
Band4	1413	1	4.1494	4.745	---	PASS
Band4	1413	2	4.1438	4.725	---	PASS
Band4	1413	3	4.1458	4.746	---	PASS

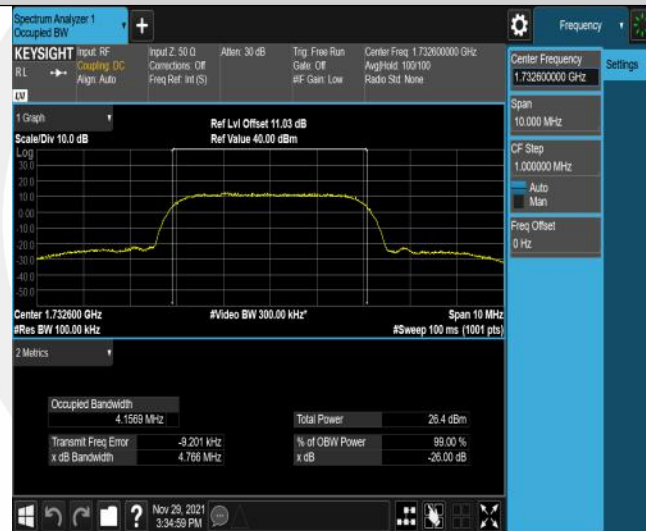
Band4	1413	4	4.1441	4.722	---	PASS
Band4	1413	5	4.1381	4.733	---	PASS
Band4	1513	1	4.1510	4.727	---	PASS
Band4	1513	2	4.1530	4.722	---	PASS
Band4	1513	3	4.1534	4.724	---	PASS
Band4	1513	4	4.1478	4.733	---	PASS
Band4	1513	5	4.1495	4.734	---	PASS



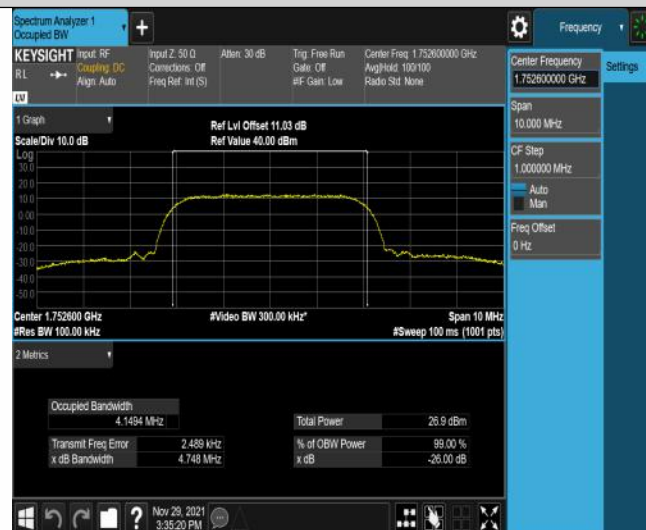
Test Graphs



Band4-1312-4.726



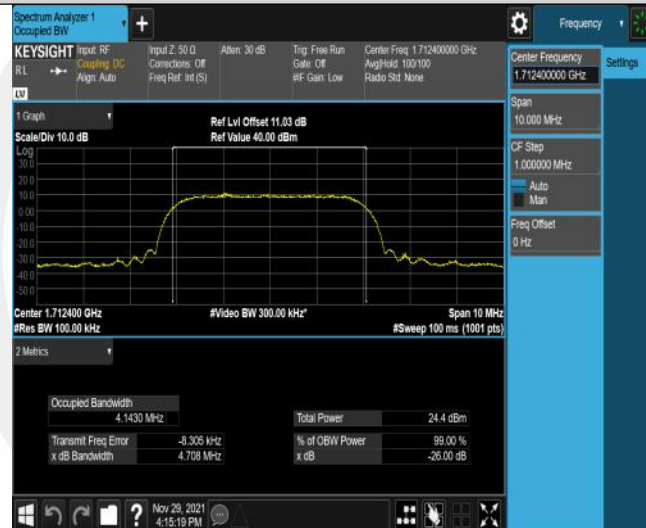
Band4-1413-4.766



Band4-1513-4.748



Band4-1312-1-4.716



Band4-1312-2-4.708



Band4-1312-3-4.706



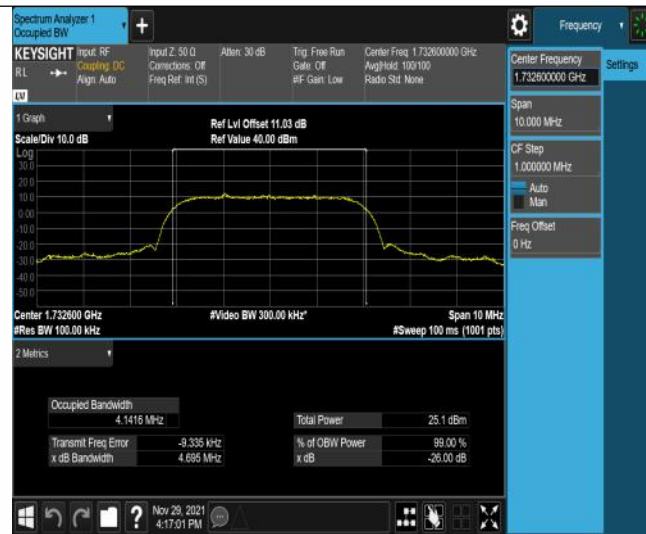
Band4-1312-4-4.708



Band4-1413-1-4.719



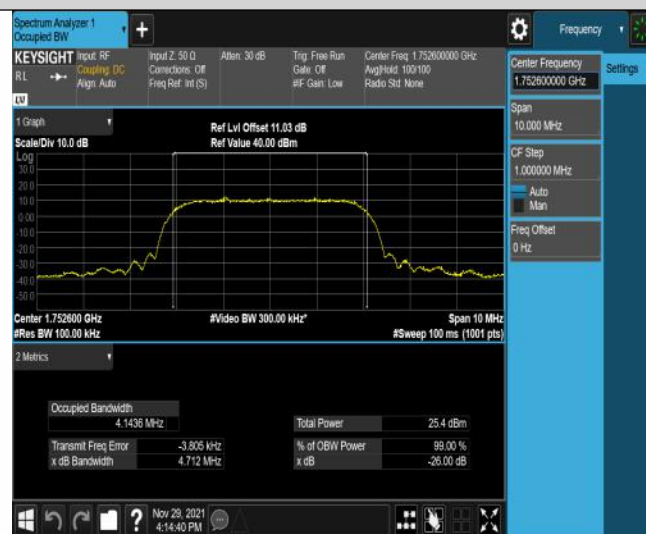
Band4-1413-2-4.705



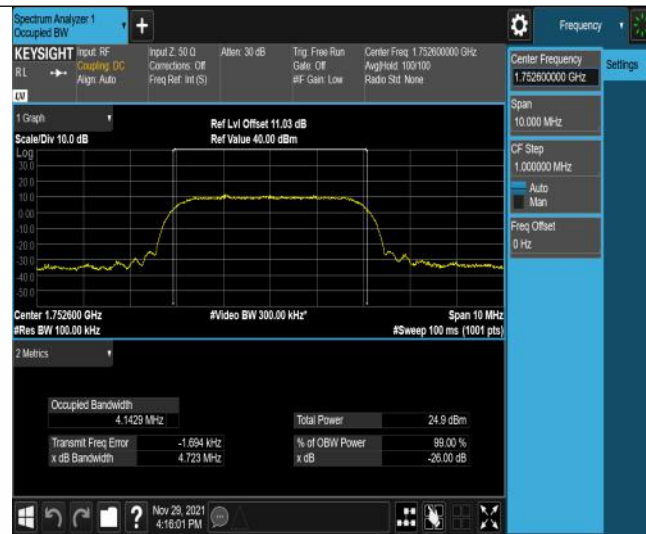
Band4-1413-3-4.695



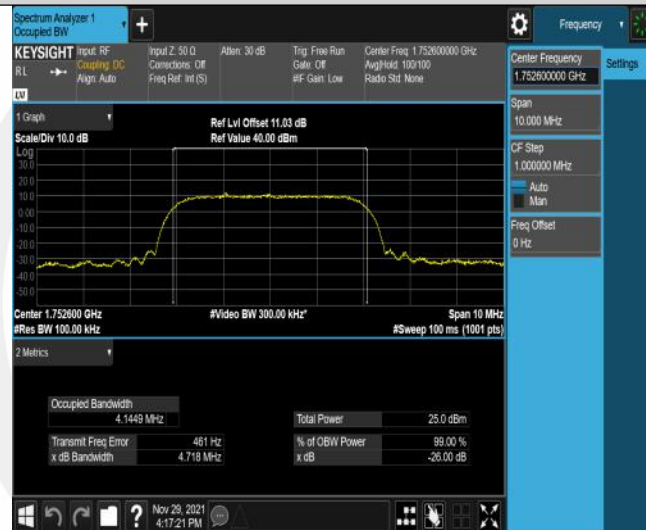
Band4-1413-4-4.703



Band4-1513-1-4.712



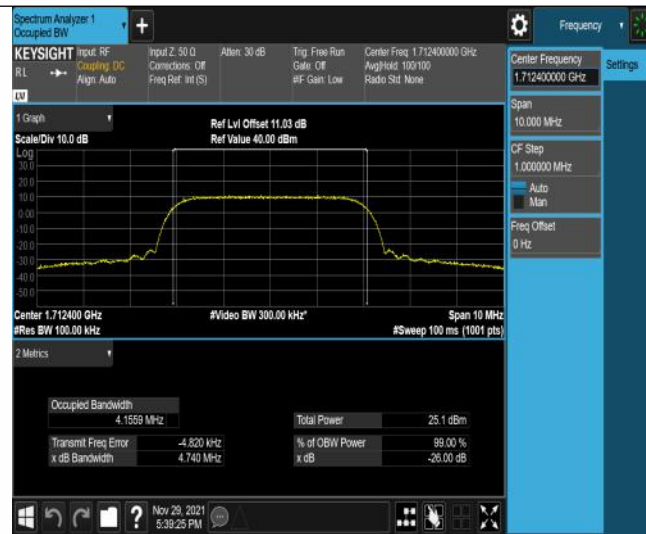
Band4-1513-2-4.723



Band4-1513-3-4.718



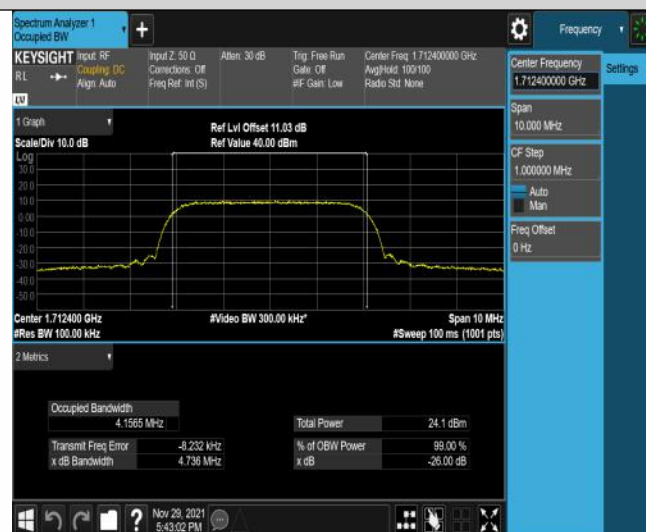
Band4-1513-4-4.714



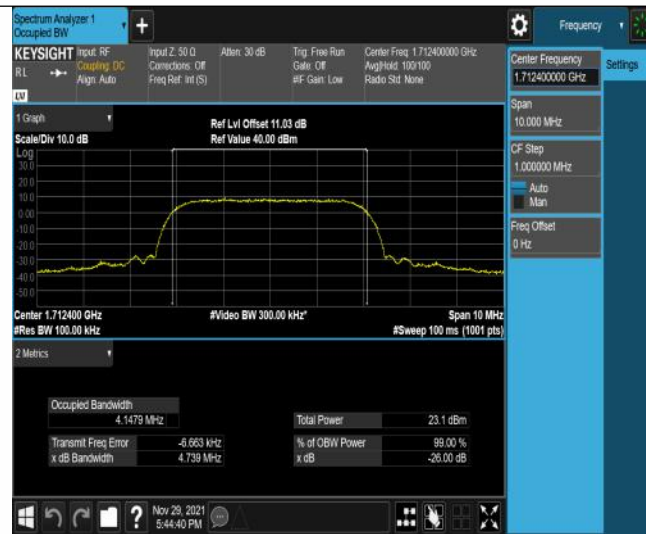
Band4-1312-1-4.740



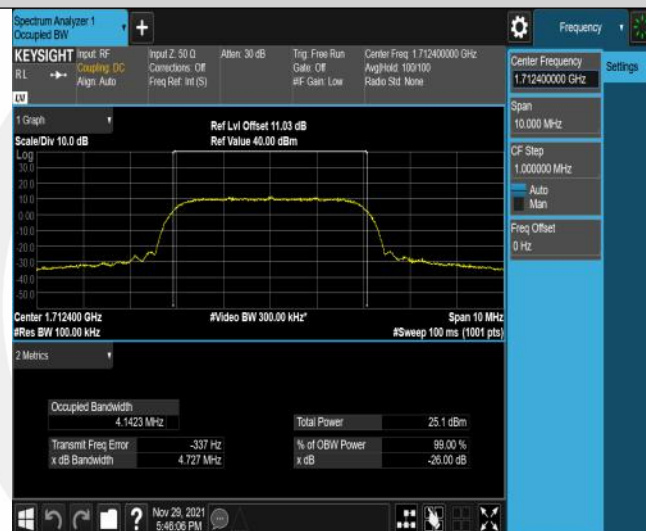
Band4-1312-2-4.724



Band4-1312-3-4.736



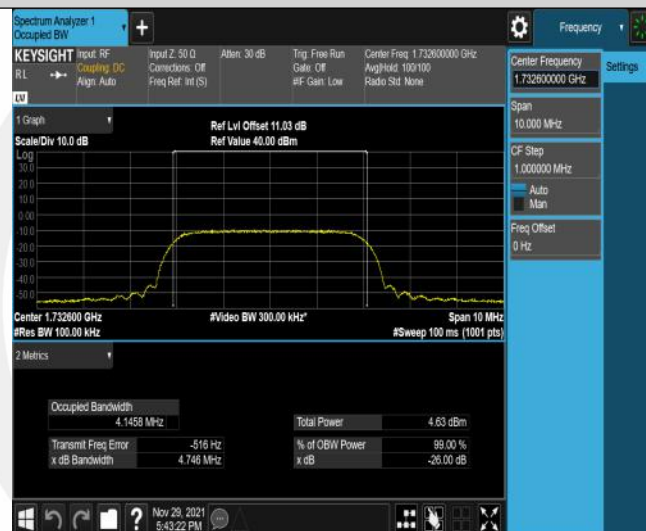
Band4-1312-4-4.739

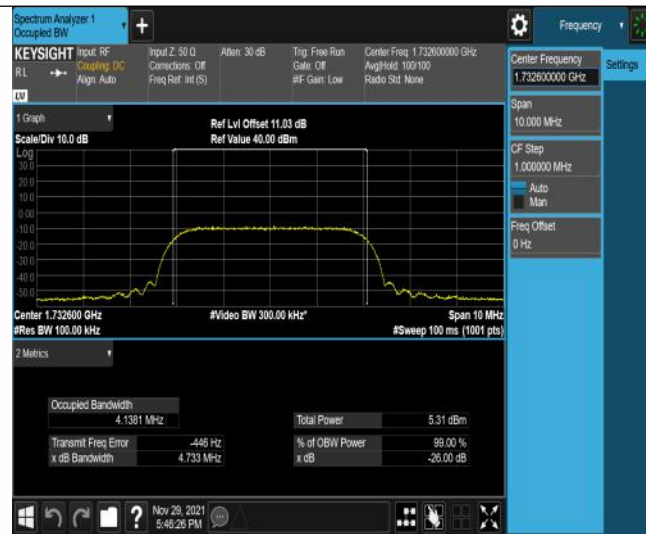


Band4-1312-5-4.727



Band4-1413-1-4.745





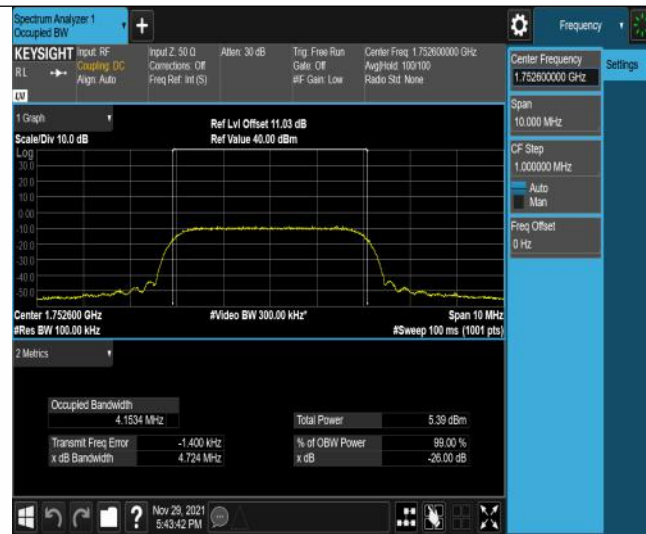
Band4-1413-5-4.733



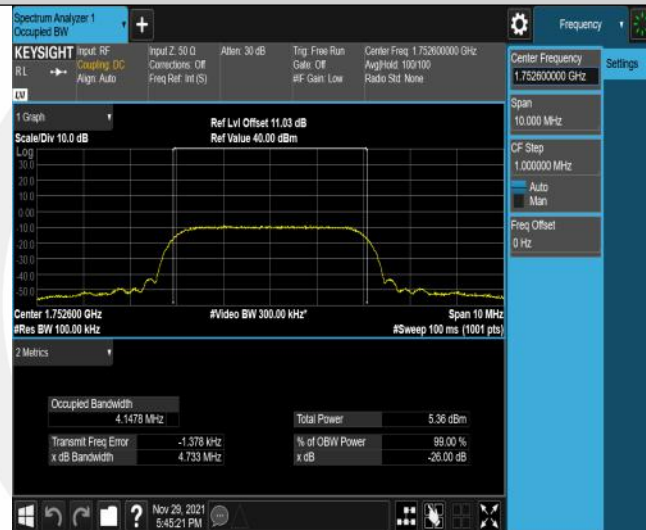
Band4-1513-1-4.727



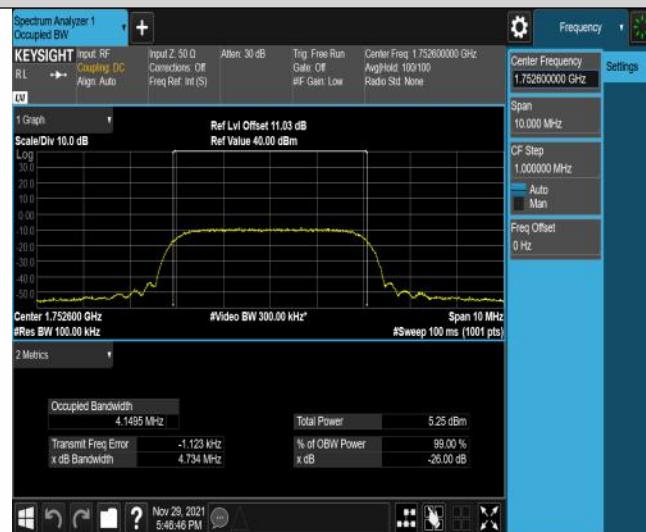
Band4-1513-2-4.722



Band4-1513-3-4.724



Band4-1513-4-4.733



Band4-1513-5-4.734

Appendix D:Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1710.00	-20.06	-13	PASS
Band4	1513	1755.00	-18.98	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-21.55	-13	PASS
Band4	1312	2	1710.00	-21.86	-13	PASS
Band4	1312	3	1710.00	-21.97	-13	PASS
Band4	1312	4	1710.00	-21.89	-13	PASS
Band4	1513	1	1755.00	-20.75	-13	PASS
Band4	1513	2	1755.00	-21.89	-13	PASS
Band4	1513	3	1755.00	-21.45	-13	PASS
Band4	1513	4	1755.00	-21.54	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-21.32	-13	PASS
Band4	1312	2	1710.00	-22.90	-13	PASS
Band4	1312	3	1710.00	-22.28	-13	PASS
Band4	1312	4	1710.00	-22.78	-13	PASS
Band4	1312	5	1710.00	-21.01	-13	PASS
Band4	1513	1	1755.00	-41.68	-13	PASS
Band4	1513	2	1755.00	-41.84	-13	PASS
Band4	1513	3	1755.00	-41.72	-13	PASS
Band4	1513	4	1755.00	-41.63	-13	PASS
Band4	1513	5	1755.00	-41.43	-13	PASS

Test Graphs



Band4-1312



Band4-1513



Band4-1312-1



Band4-1312-2



Band4-1312-3



Band4-1312-4



Band4-1513-1



Band4-1513-2



Band4-1513-3



Band4-1513-4



Band4-1312-1



Band4-1312-2



Band4-1312-3



Band4-1312-4



Band4-1312-5



Band4-1513-1



Band4-1513-2



Band4-1513-3



Band4-1513-4



Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	0.009~0.15MHz	0.02	-49.05	-43	PASS
Band4	1312	0.15~30MHz	0.15	-40.17	-33	PASS
Band4	1312	30~1000MHz	204.57	-65.17	-23	PASS
Band4	1312	1000~3000MHz	2096.27	-36.08	-13	PASS
Band4	1312	3000~10000MHz	3836.97	-50.56	-13	PASS
Band4	1312	10000~20000MHz	19437.67	-43.11	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-71.24	-43	PASS
Band4	1413	0.15~30MHz	0.16	-39.15	-33	PASS
Band4	1413	30~1000MHz	196.19	-66.06	-23	PASS
Band4	1413	1000~3000MHz	2116.6	-36.27	-13	PASS
Band4	1413	3000~10000MHz	3822.73	-50.61	-13	PASS
Band4	1413	10000~20000MHz	19417	-43.02	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-71.81	-43	PASS
Band4	1513	0.15~30MHz	0.15	-38.38	-33	PASS
Band4	1513	30~1000MHz	177.96	-66.64	-23	PASS
Band4	1513	1000~3000MHz	2134	-36.21	-13	PASS
Band4	1513	3000~10000MHz	3828.33	-50.58	-13	PASS
Band4	1513	10000~20000MHz	19287.67	-43.05	-13	PASS

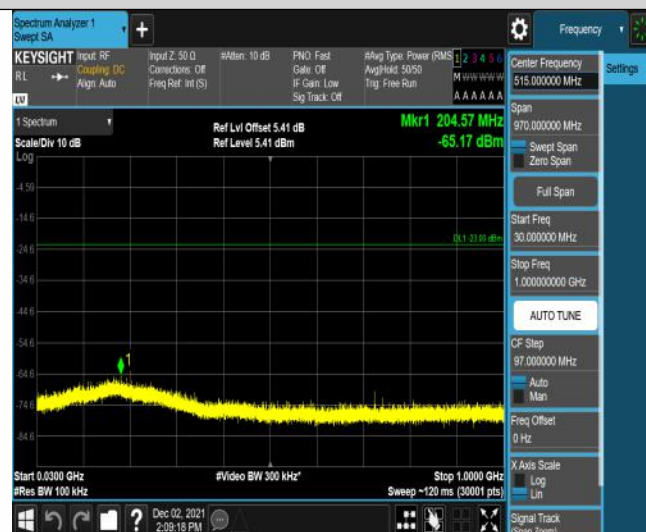
Test Graphs



Band4-1312-0.009~0.15MHz



Band4-1312-0.15~30MHz



Band4-1312-30~1000MHz



Band4-1312-1000~3000MHz



Band4-1312-3000~10000MHz



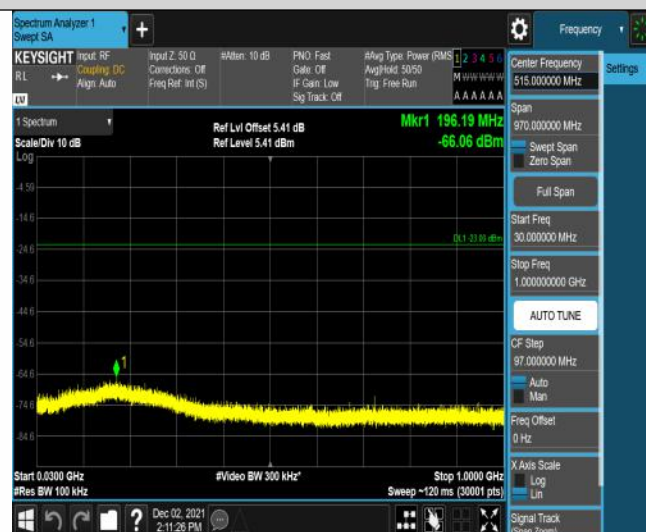
Band4-1312-10000~20000MHz



Band4-1413-0.009~0.15MHz



Band4-1413-0.15~30MHz



Band4-1413-30~1000MHz



Band4-1413-1000~3000MHz



Band4-1413-3000~10000MHz



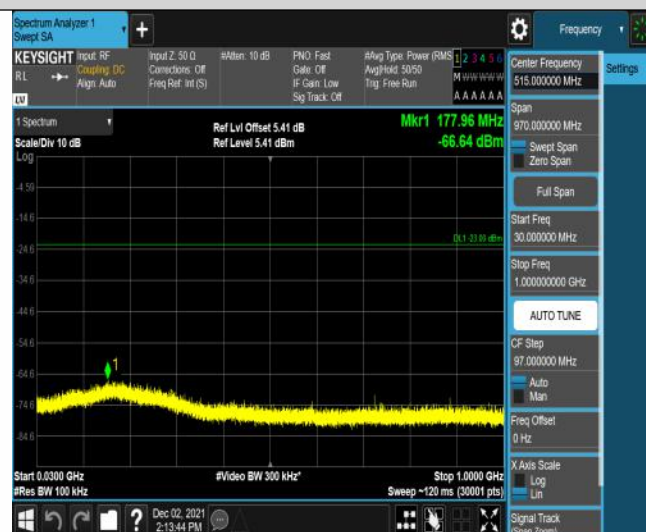
Band4-1413-10000~20000MHz



Band4-1513-0.009~0.15MHz



Band4-1513-0.15~30MHz



Band4-1513-30~1000MHz



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VL	NT	12.90	0.007533	±2.5	PASS
Band4	1312	VN	NT	12.62	0.007370	±2.5	PASS
Band4	1312	VH	NT	13.25	0.007738	±2.5	PASS
Band4	1413	VL	NT	-3.10	-0.001789	±2.5	PASS
Band4	1413	VN	NT	-2.32	-0.001339	±2.5	PASS
Band4	1413	VH	NT	-3.32	-0.001916	±2.5	PASS
Band4	1513	VL	NT	-14.08	-0.008034	±2.5	PASS
Band4	1513	VN	NT	-14.50	-0.008273	±2.5	PASS
Band4	1513	VH	NT	-14.86	-0.008479	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	13.47	0.007866	±2.5	PASS
Band4	1312	NV	-20	13.38	0.007814	±2.5	PASS
Band4	1312	NV	-10	13.93	0.008135	±2.5	PASS
Band4	1312	NV	0	13.60	0.007942	±2.5	PASS
Band4	1312	NV	10	13.79	0.008053	±2.5	PASS
Band4	1312	NV	20	13.52	0.007895	±2.5	PASS
Band4	1312	NV	30	14.48	0.008456	±2.5	PASS
Band4	1312	NV	40	14.42	0.008421	±2.5	PASS
Band4	1312	NV	50	14.26	0.008327	±2.5	PASS
Band4	1413	NV	-30	-2.68	-0.001547	±2.5	PASS
Band4	1413	NV	-20	-2.82	-0.001628	±2.5	PASS
Band4	1413	NV	-10	-2.70	-0.001558	±2.5	PASS
Band4	1413	NV	0	-2.85	-0.001645	±2.5	PASS
Band4	1413	NV	10	-2.29	-0.001322	±2.5	PASS
Band4	1413	NV	20	-2.45	-0.001414	±2.5	PASS
Band4	1413	NV	30	-2.59	-0.001495	±2.5	PASS
Band4	1413	NV	40	-2.06	-0.001189	±2.5	PASS
Band4	1413	NV	50	-3.03	-0.001749	±2.5	PASS

Band4	1513	NV	-30	-14.67	-0.008370	±2.5	PASS
Band4	1513	NV	-20	-14.68	-0.008376	±2.5	PASS
Band4	1513	NV	-10	-14.72	-0.008399	±2.5	PASS
Band4	1513	NV	0	-14.36	-0.008194	±2.5	PASS
Band4	1513	NV	10	-14.08	-0.008034	±2.5	PASS
Band4	1513	NV	20	-14.27	-0.008142	±2.5	PASS
Band4	1513	NV	30	-14.93	-0.008519	±2.5	PASS
Band4	1513	NV	40	-14.88	-0.008490	±2.5	PASS
Band4	1513	NV	50	-14.39	-0.008211	±2.5	PASS



Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VL	NT	-13.30	-0.007767	±2.5	PASS
Band4	1312	1	VN	NT	-14.00	-0.008176	±2.5	PASS
Band4	1312	1	VH	NT	-14.24	-0.008316	±2.5	PASS
Band4	1312	2	VL	NT	-13.27	-0.007749	±2.5	PASS
Band4	1312	2	VN	NT	-12.23	-0.007142	±2.5	PASS
Band4	1312	2	VH	NT	-13.87	-0.008100	±2.5	PASS
Band4	1312	3	VL	NT	-13.48	-0.007872	±2.5	PASS
Band4	1312	3	VN	NT	-12.57	-0.007341	±2.5	PASS
Band4	1312	3	VH	NT	-13.05	-0.007621	±2.5	PASS
Band4	1312	4	VL	NT	-13.77	-0.008041	±2.5	PASS
Band4	1312	4	VN	NT	-12.19	-0.007119	±2.5	PASS
Band4	1312	4	VH	NT	-14.78	-0.008631	±2.5	PASS
Band4	1413	1	VL	NT	-14.29	-0.008248	±2.5	PASS
Band4	1413	1	VN	NT	-14.11	-0.008144	±2.5	PASS
Band4	1413	1	VH	NT	-13.98	-0.008069	±2.5	PASS
Band4	1413	2	VL	NT	-14.79	-0.008536	±2.5	PASS
Band4	1413	2	VN	NT	-14.03	-0.008098	±2.5	PASS
Band4	1413	2	VH	NT	-14.33	-0.008271	±2.5	PASS
Band4	1413	3	VL	NT	-13.85	-0.007994	±2.5	PASS
Band4	1413	3	VN	NT	-14.37	-0.008294	±2.5	PASS
Band4	1413	3	VH	NT	-14.61	-0.008432	±2.5	PASS
Band4	1413	4	VL	NT	-13.53	-0.007809	±2.5	PASS
Band4	1413	4	VN	NT	-14.32	-0.008265	±2.5	PASS
Band4	1413	4	VH	NT	-13.46	-0.007769	±2.5	PASS
Band4	1513	1	VL	NT	-13.98	-0.007977	±2.5	PASS
Band4	1513	1	VN	NT	-13.96	-0.007965	±2.5	PASS
Band4	1513	1	VH	NT	-13.71	-0.007823	±2.5	PASS
Band4	1513	2	VL	NT	-14.17	-0.008085	±2.5	PASS
Band4	1513	2	VN	NT	-14.17	-0.008085	±2.5	PASS
Band4	1513	2	VH	NT	-13.35	-0.007617	±2.5	PASS
Band4	1513	3	VL	NT	-14.01	-0.007994	±2.5	PASS
Band4	1513	3	VN	NT	-13.97	-0.007971	±2.5	PASS
Band4	1513	3	VH	NT	-13.41	-0.007651	±2.5	PASS

Band4	1513	4	VL	NT	-13.96	-0.007965	±2.5	PASS
Band4	1513	4	VN	NT	-14.11	-0.008051	±2.5	PASS
Band4	1513	4	VH	NT	-13.73	-0.007834	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-13.16	-0.007685	±2.5	PASS
Band4	1312	1	NV	-20	-13.78	-0.008047	±2.5	PASS
Band4	1312	1	NV	-10	-14.76	-0.008619	±2.5	PASS
Band4	1312	1	NV	0	-13.31	-0.007773	±2.5	PASS
Band4	1312	1	NV	10	-12.97	-0.007574	±2.5	PASS
Band4	1312	1	NV	20	-13.66	-0.007977	±2.5	PASS
Band4	1312	1	NV	30	-13.04	-0.007615	±2.5	PASS
Band4	1312	1	NV	40	-12.87	-0.007516	±2.5	PASS
Band4	1312	1	NV	50	-13.42	-0.007837	±2.5	PASS
Band4	1312	2	NV	-30	-13.20	-0.007708	±2.5	PASS
Band4	1312	2	NV	-20	-12.57	-0.007341	±2.5	PASS
Band4	1312	2	NV	-10	-13.47	-0.007866	±2.5	PASS
Band4	1312	2	NV	0	-10.77	-0.006289	±2.5	PASS
Band4	1312	2	NV	10	-12.69	-0.007411	±2.5	PASS
Band4	1312	2	NV	20	-13.96	-0.008152	±2.5	PASS
Band4	1312	2	NV	30	-13.53	-0.007901	±2.5	PASS
Band4	1312	2	NV	40	-13.21	-0.007714	±2.5	PASS
Band4	1312	2	NV	50	-12.46	-0.007276	±2.5	PASS
Band4	1312	3	NV	-30	-13.45	-0.007854	±2.5	PASS
Band4	1312	3	NV	-20	-13.68	-0.007989	±2.5	PASS
Band4	1312	3	NV	-10	-13.75	-0.008030	±2.5	PASS
Band4	1312	3	NV	0	-12.92	-0.007545	±2.5	PASS
Band4	1312	3	NV	10	-12.92	-0.007545	±2.5	PASS
Band4	1312	3	NV	20	-12.75	-0.007446	±2.5	PASS
Band4	1312	3	NV	30	-13.07	-0.007633	±2.5	PASS
Band4	1312	3	NV	40	-13.02	-0.007603	±2.5	PASS
Band4	1312	3	NV	50	-13.29	-0.007761	±2.5	PASS
Band4	1312	4	NV	-30	-12.60	-0.007358	±2.5	PASS
Band4	1312	4	NV	-20	-13.29	-0.007761	±2.5	PASS

Band4	1312	4	NV	-10	-13.38	-0.007814	±2.5	PASS
Band4	1312	4	NV	0	-13.26	-0.007744	±2.5	PASS
Band4	1312	4	NV	10	-13.00	-0.007592	±2.5	PASS
Band4	1312	4	NV	20	-13.78	-0.008047	±2.5	PASS
Band4	1312	4	NV	30	-13.66	-0.007977	±2.5	PASS
Band4	1312	4	NV	40	-13.77	-0.008041	±2.5	PASS
Band4	1312	4	NV	50	-13.51	-0.007890	±2.5	PASS
Band4	1413	1	NV	-30	-13.87	-0.008005	±2.5	PASS
Band4	1413	1	NV	-20	-12.88	-0.007434	±2.5	PASS
Band4	1413	1	NV	-10	-14.29	-0.008248	±2.5	PASS
Band4	1413	1	NV	0	-13.68	-0.007896	±2.5	PASS
Band4	1413	1	NV	10	-14.05	-0.008109	±2.5	PASS
Band4	1413	1	NV	20	-13.70	-0.007907	±2.5	PASS
Band4	1413	1	NV	30	-13.83	-0.007982	±2.5	PASS
Band4	1413	1	NV	40	-14.23	-0.008213	±2.5	PASS
Band4	1413	1	NV	50	-14.35	-0.008282	±2.5	PASS
Band4	1413	2	NV	-30	-14.12	-0.008150	±2.5	PASS
Band4	1413	2	NV	-20	-13.76	-0.007942	±2.5	PASS
Band4	1413	2	NV	-10	-14.19	-0.008190	±2.5	PASS
Band4	1413	2	NV	0	-14.41	-0.008317	±2.5	PASS
Band4	1413	2	NV	10	-13.40	-0.007734	±2.5	PASS
Band4	1413	2	NV	20	-13.67	-0.007890	±2.5	PASS
Band4	1413	2	NV	30	-14.27	-0.008236	±2.5	PASS
Band4	1413	2	NV	40	-14.03	-0.008098	±2.5	PASS
Band4	1413	2	NV	50	-13.02	-0.007515	±2.5	PASS
Band4	1413	3	NV	-30	-13.76	-0.007942	±2.5	PASS
Band4	1413	3	NV	-20	-14.49	-0.008363	±2.5	PASS
Band4	1413	3	NV	-10	-11.92	-0.006880	±2.5	PASS
Band4	1413	3	NV	0	-14.26	-0.008230	±2.5	PASS
Band4	1413	3	NV	10	-14.88	-0.008588	±2.5	PASS
Band4	1413	3	NV	20	-14.18	-0.008184	±2.5	PASS
Band4	1413	3	NV	30	-14.13	-0.008155	±2.5	PASS
Band4	1413	3	NV	40	-13.30	-0.007676	±2.5	PASS
Band4	1413	3	NV	50	-14.46	-0.008346	±2.5	PASS
Band4	1413	4	NV	-30	-14.19	-0.008190	±2.5	PASS
Band4	1413	4	NV	-20	-14.43	-0.008329	±2.5	PASS

Band4	1413	4	NV	-10	-13.33	-0.007694	±2.5	PASS
Band4	1413	4	NV	0	-13.90	-0.008023	±2.5	PASS
Band4	1413	4	NV	10	-14.51	-0.008375	±2.5	PASS
Band4	1413	4	NV	20	-13.56	-0.007826	±2.5	PASS
Band4	1413	4	NV	30	-14.41	-0.008317	±2.5	PASS
Band4	1413	4	NV	40	-14.55	-0.008398	±2.5	PASS
Band4	1413	4	NV	50	-14.28	-0.008242	±2.5	PASS
Band4	1513	1	NV	-30	-14.41	-0.008222	±2.5	PASS
Band4	1513	1	NV	-20	-14.39	-0.008211	±2.5	PASS
Band4	1513	1	NV	-10	-14.30	-0.008159	±2.5	PASS
Band4	1513	1	NV	0	-12.95	-0.007389	±2.5	PASS
Band4	1513	1	NV	10	-14.11	-0.008051	±2.5	PASS
Band4	1513	1	NV	20	-14.21	-0.008108	±2.5	PASS
Band4	1513	1	NV	30	-13.65	-0.007788	±2.5	PASS
Band4	1513	1	NV	40	-14.19	-0.008097	±2.5	PASS
Band4	1513	1	NV	50	-14.61	-0.008336	±2.5	PASS
Band4	1513	2	NV	-30	-14.64	-0.008353	±2.5	PASS
Band4	1513	2	NV	-20	-14.27	-0.008142	±2.5	PASS
Band4	1513	2	NV	-10	-13.93	-0.007948	±2.5	PASS
Band4	1513	2	NV	0	-11.99	-0.006841	±2.5	PASS
Band4	1513	2	NV	10	-13.87	-0.007914	±2.5	PASS
Band4	1513	2	NV	20	-13.75	-0.007845	±2.5	PASS
Band4	1513	2	NV	30	-14.24	-0.008125	±2.5	PASS
Band4	1513	2	NV	40	-14.19	-0.008097	±2.5	PASS
Band4	1513	2	NV	50	-13.16	-0.007509	±2.5	PASS
Band4	1513	3	NV	-30	-14.23	-0.008119	±2.5	PASS
Band4	1513	3	NV	-20	-14.15	-0.008074	±2.5	PASS
Band4	1513	3	NV	-10	-13.84	-0.007897	±2.5	PASS
Band4	1513	3	NV	0	-13.98	-0.007977	±2.5	PASS
Band4	1513	3	NV	10	-13.73	-0.007834	±2.5	PASS
Band4	1513	3	NV	20	-13.40	-0.007646	±2.5	PASS
Band4	1513	3	NV	30	-13.35	-0.007617	±2.5	PASS
Band4	1513	3	NV	40	-14.28	-0.008148	±2.5	PASS
Band4	1513	3	NV	50	-13.37	-0.007629	±2.5	PASS
Band4	1513	4	NV	-30	-13.72	-0.007828	±2.5	PASS
Band4	1513	4	NV	-20	-13.50	-0.007703	±2.5	PASS

Band4	1513	4	NV	-10	-14.49	-0.008268	±2.5	PASS
Band4	1513	4	NV	0	-13.88	-0.007920	±2.5	PASS
Band4	1513	4	NV	10	-14.50	-0.008273	±2.5	PASS
Band4	1513	4	NV	20	-14.96	-0.008536	±2.5	PASS
Band4	1513	4	NV	30	-13.86	-0.007908	±2.5	PASS
Band4	1513	4	NV	40	-14.18	-0.008091	±2.5	PASS
Band4	1513	4	NV	50	-14.28	-0.008148	±2.5	PASS



Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VL	NT	-8.74	-0.005104	±2.5	PASS
Band4	1312	1	VN	NT	-9.93	-0.005799	±2.5	PASS
Band4	1312	1	VH	NT	-8.94	-0.005221	±2.5	PASS
Band4	1312	2	VL	NT	-9.13	-0.005332	±2.5	PASS
Band4	1312	2	VN	NT	-8.90	-0.005197	±2.5	PASS
Band4	1312	2	VH	NT	-8.43	-0.004923	±2.5	PASS
Band4	1312	3	VL	NT	-8.13	-0.004748	±2.5	PASS
Band4	1312	3	VN	NT	-8.58	-0.005011	±2.5	PASS
Band4	1312	3	VH	NT	-7.96	-0.004648	±2.5	PASS
Band4	1312	4	VL	NT	-8.22	-0.004800	±2.5	PASS
Band4	1312	4	VN	NT	-8.23	-0.004806	±2.5	PASS
Band4	1312	4	VH	NT	-8.29	-0.004841	±2.5	PASS
Band4	1312	5	VL	NT	-7.95	-0.004643	±2.5	PASS
Band4	1312	5	VN	NT	-8.10	-0.004730	±2.5	PASS
Band4	1312	5	VH	NT	-7.85	-0.004584	±2.5	PASS
Band4	1413	1	VL	NT	-7.30	-0.004213	±2.5	PASS
Band4	1413	1	VN	NT	-7.87	-0.004542	±2.5	PASS
Band4	1413	1	VH	NT	-8.66	-0.004998	±2.5	PASS
Band4	1413	2	VL	NT	-7.55	-0.004358	±2.5	PASS
Band4	1413	2	VN	NT	-7.96	-0.004594	±2.5	PASS
Band4	1413	2	VH	NT	-7.17	-0.004138	±2.5	PASS
Band4	1413	3	VL	NT	-8.05	-0.004646	±2.5	PASS
Band4	1413	3	VN	NT	-8.53	-0.004923	±2.5	PASS
Band4	1413	3	VH	NT	-7.22	-0.004167	±2.5	PASS
Band4	1413	4	VL	NT	-7.70	-0.004444	±2.5	PASS
Band4	1413	4	VN	NT	-7.36	-0.004248	±2.5	PASS
Band4	1413	4	VH	NT	-7.80	-0.004502	±2.5	PASS
Band4	1413	5	VL	NT	-7.54	-0.004352	±2.5	PASS
Band4	1413	5	VN	NT	-7.02	-0.004052	±2.5	PASS
Band4	1413	5	VH	NT	-7.47	-0.004311	±2.5	PASS
Band4	1513	1	VL	NT	-7.56	-0.004314	±2.5	PASS
Band4	1513	1	VN	NT	-7.76	-0.004428	±2.5	PASS
Band4	1513	1	VH	NT	-7.06	-0.004028	±2.5	PASS

Band4	1513	2	VL	NT	-7.29	-0.004160	±2.5	PASS
Band4	1513	2	VN	NT	-7.17	-0.004091	±2.5	PASS
Band4	1513	2	VH	NT	-6.42	-0.003663	±2.5	PASS
Band4	1513	3	VL	NT	-6.82	-0.003891	±2.5	PASS
Band4	1513	3	VN	NT	-7.02	-0.004005	±2.5	PASS
Band4	1513	3	VH	NT	-7.12	-0.004063	±2.5	PASS
Band4	1513	4	VL	NT	-7.35	-0.004194	±2.5	PASS
Band4	1513	4	VN	NT	-6.80	-0.003880	±2.5	PASS
Band4	1513	4	VH	NT	-6.99	-0.003988	±2.5	PASS
Band4	1513	5	VL	NT	-7.10	-0.004051	±2.5	PASS
Band4	1513	5	VN	NT	-6.85	-0.003908	±2.5	PASS
Band4	1513	5	VH	NT	-7.07	-0.004034	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-8.98	-0.005244	±2.5	PASS
Band4	1312	1	NV	-20	-8.60	-0.005022	±2.5	PASS
Band4	1312	1	NV	-10	-8.81	-0.005145	±2.5	PASS
Band4	1312	1	NV	0	-9.36	-0.005466	±2.5	PASS
Band4	1312	1	NV	10	-9.08	-0.005302	±2.5	PASS
Band4	1312	1	NV	20	-8.70	-0.005081	±2.5	PASS
Band4	1312	1	NV	30	-9.16	-0.005349	±2.5	PASS
Band4	1312	1	NV	40	-8.81	-0.005145	±2.5	PASS
Band4	1312	1	NV	50	-8.92	-0.005209	±2.5	PASS
Band4	1312	2	NV	-30	-8.42	-0.004917	±2.5	PASS
Band4	1312	2	NV	-20	-8.63	-0.005040	±2.5	PASS
Band4	1312	2	NV	-10	-8.35	-0.004876	±2.5	PASS
Band4	1312	2	NV	0	-8.66	-0.005057	±2.5	PASS
Band4	1312	2	NV	10	-8.34	-0.004870	±2.5	PASS
Band4	1312	2	NV	20	-8.43	-0.004923	±2.5	PASS
Band4	1312	2	NV	30	-9.03	-0.005273	±2.5	PASS
Band4	1312	2	NV	40	-8.73	-0.005098	±2.5	PASS
Band4	1312	2	NV	50	-8.00	-0.004672	±2.5	PASS
Band4	1312	3	NV	-30	-7.90	-0.004613	±2.5	PASS
Band4	1312	3	NV	-20	-8.08	-0.004719	±2.5	PASS

Band4	1312	3	NV	-10	-8.21	-0.004794	±2.5	PASS
Band4	1312	3	NV	0	-8.49	-0.004958	±2.5	PASS
Band4	1312	3	NV	10	-8.02	-0.004683	±2.5	PASS
Band4	1312	3	NV	20	-7.83	-0.004573	±2.5	PASS
Band4	1312	3	NV	30	-8.51	-0.004970	±2.5	PASS
Band4	1312	3	NV	40	-8.19	-0.004783	±2.5	PASS
Band4	1312	3	NV	50	-9.07	-0.005297	±2.5	PASS
Band4	1312	4	NV	-30	-7.45	-0.004351	±2.5	PASS
Band4	1312	4	NV	-20	-7.68	-0.004485	±2.5	PASS
Band4	1312	4	NV	-10	-8.14	-0.004754	±2.5	PASS
Band4	1312	4	NV	0	-8.13	-0.004748	±2.5	PASS
Band4	1312	4	NV	10	-7.75	-0.004526	±2.5	PASS
Band4	1312	4	NV	20	-8.04	-0.004695	±2.5	PASS
Band4	1312	4	NV	30	-8.31	-0.004853	±2.5	PASS
Band4	1312	4	NV	40	-8.10	-0.004730	±2.5	PASS
Band4	1312	4	NV	50	-7.60	-0.004438	±2.5	PASS
Band4	1312	5	NV	-30	-8.05	-0.004701	±2.5	PASS
Band4	1312	5	NV	-20	-8.40	-0.004905	±2.5	PASS
Band4	1312	5	NV	-10	-8.32	-0.004859	±2.5	PASS
Band4	1312	5	NV	0	-8.23	-0.004806	±2.5	PASS
Band4	1312	5	NV	10	-7.63	-0.004456	±2.5	PASS
Band4	1312	5	NV	20	-7.45	-0.004351	±2.5	PASS
Band4	1312	5	NV	30	-7.50	-0.004380	±2.5	PASS
Band4	1312	5	NV	40	-8.05	-0.004701	±2.5	PASS
Band4	1312	5	NV	50	-8.32	-0.004859	±2.5	PASS
Band4	1413	1	NV	-30	-8.09	-0.004669	±2.5	PASS
Band4	1413	1	NV	-20	-7.73	-0.004462	±2.5	PASS
Band4	1413	1	NV	-10	-7.83	-0.004519	±2.5	PASS
Band4	1413	1	NV	0	-7.62	-0.004398	±2.5	PASS
Band4	1413	1	NV	10	-7.97	-0.004600	±2.5	PASS
Band4	1413	1	NV	20	-6.67	-0.003850	±2.5	PASS
Band4	1413	1	NV	30	-7.15	-0.004127	±2.5	PASS
Band4	1413	1	NV	40	-7.48	-0.004317	±2.5	PASS
Band4	1413	1	NV	50	-8.39	-0.004842	±2.5	PASS
Band4	1413	2	NV	-30	-8.03	-0.004635	±2.5	PASS
Band4	1413	2	NV	-20	-7.14	-0.004121	±2.5	PASS

Band4	1413	2	NV	-10	-7.74	-0.004467	±2.5	PASS
Band4	1413	2	NV	0	-7.96	-0.004594	±2.5	PASS
Band4	1413	2	NV	10	-7.08	-0.004086	±2.5	PASS
Band4	1413	2	NV	20	-6.99	-0.004034	±2.5	PASS
Band4	1413	2	NV	30	-7.24	-0.004179	±2.5	PASS
Band4	1413	2	NV	40	-7.19	-0.004150	±2.5	PASS
Band4	1413	2	NV	50	-7.11	-0.004104	±2.5	PASS
Band4	1413	3	NV	-30	-6.89	-0.003977	±2.5	PASS
Band4	1413	3	NV	-20	-7.07	-0.004081	±2.5	PASS
Band4	1413	3	NV	-10	-7.47	-0.004311	±2.5	PASS
Band4	1413	3	NV	0	-7.44	-0.004294	±2.5	PASS
Band4	1413	3	NV	10	-7.93	-0.004577	±2.5	PASS
Band4	1413	3	NV	20	-7.98	-0.004606	±2.5	PASS
Band4	1413	3	NV	30	-7.61	-0.004392	±2.5	PASS
Band4	1413	3	NV	40	-7.77	-0.004485	±2.5	PASS
Band4	1413	3	NV	50	-7.35	-0.004242	±2.5	PASS
Band4	1413	4	NV	-30	-7.61	-0.004392	±2.5	PASS
Band4	1413	4	NV	-20	-6.92	-0.003994	±2.5	PASS
Band4	1413	4	NV	-10	-7.23	-0.004173	±2.5	PASS
Band4	1413	4	NV	0	-6.99	-0.004034	±2.5	PASS
Band4	1413	4	NV	10	-7.80	-0.004502	±2.5	PASS
Band4	1413	4	NV	20	-8.14	-0.004698	±2.5	PASS
Band4	1413	4	NV	30	-7.32	-0.004225	±2.5	PASS
Band4	1413	4	NV	40	-8.08	-0.004664	±2.5	PASS
Band4	1413	4	NV	50	-7.95	-0.004588	±2.5	PASS
Band4	1413	5	NV	-30	-6.64	-0.003832	±2.5	PASS
Band4	1413	5	NV	-20	-7.65	-0.004415	±2.5	PASS
Band4	1413	5	NV	-10	-6.84	-0.003948	±2.5	PASS
Band4	1413	5	NV	0	-7.55	-0.004358	±2.5	PASS
Band4	1413	5	NV	10	-7.37	-0.004254	±2.5	PASS
Band4	1413	5	NV	20	-7.05	-0.004069	±2.5	PASS
Band4	1413	5	NV	30	-7.61	-0.004392	±2.5	PASS
Band4	1413	5	NV	40	-7.19	-0.004150	±2.5	PASS
Band4	1413	5	NV	50	-7.50	-0.004329	±2.5	PASS
Band4	1513	1	NV	-30	-7.15	-0.004080	±2.5	PASS
Band4	1513	1	NV	-20	-7.40	-0.004222	±2.5	PASS

Band4	1513	1	NV	-10	-6.72	-0.003834	±2.5	PASS
Band4	1513	1	NV	0	-6.91	-0.003943	±2.5	PASS
Band4	1513	1	NV	10	-7.76	-0.004428	±2.5	PASS
Band4	1513	1	NV	20	-7.17	-0.004091	±2.5	PASS
Band4	1513	1	NV	30	-6.47	-0.003692	±2.5	PASS
Band4	1513	1	NV	40	-6.66	-0.003800	±2.5	PASS
Band4	1513	1	NV	50	-7.36	-0.004199	±2.5	PASS
Band4	1513	2	NV	-30	-7.62	-0.004348	±2.5	PASS
Band4	1513	2	NV	-20	-6.92	-0.003948	±2.5	PASS
Band4	1513	2	NV	-10	-7.37	-0.004205	±2.5	PASS
Band4	1513	2	NV	0	-6.69	-0.003817	±2.5	PASS
Band4	1513	2	NV	10	-7.17	-0.004091	±2.5	PASS
Band4	1513	2	NV	20	-7.17	-0.004091	±2.5	PASS
Band4	1513	2	NV	30	-7.26	-0.004142	±2.5	PASS
Band4	1513	2	NV	40	-6.79	-0.003874	±2.5	PASS
Band4	1513	2	NV	50	-7.17	-0.004091	±2.5	PASS
Band4	1513	3	NV	-30	-6.72	-0.003834	±2.5	PASS
Band4	1513	3	NV	-20	-7.42	-0.004234	±2.5	PASS
Band4	1513	3	NV	-10	-7.08	-0.004040	±2.5	PASS
Band4	1513	3	NV	0	-7.12	-0.004063	±2.5	PASS
Band4	1513	3	NV	10	-6.96	-0.003971	±2.5	PASS
Band4	1513	3	NV	20	-6.92	-0.003948	±2.5	PASS
Band4	1513	3	NV	30	-7.30	-0.004165	±2.5	PASS
Band4	1513	3	NV	40	-7.00	-0.003994	±2.5	PASS
Band4	1513	3	NV	50	-6.48	-0.003697	±2.5	PASS
Band4	1513	4	NV	-30	-7.03	-0.004011	±2.5	PASS
Band4	1513	4	NV	-20	-7.29	-0.004160	±2.5	PASS
Band4	1513	4	NV	-10	-6.74	-0.003846	±2.5	PASS
Band4	1513	4	NV	0	-6.92	-0.003948	±2.5	PASS
Band4	1513	4	NV	10	-6.59	-0.003760	±2.5	PASS
Band4	1513	4	NV	20	-6.10	-0.003481	±2.5	PASS
Band4	1513	4	NV	30	-6.87	-0.003920	±2.5	PASS
Band4	1513	4	NV	40	-7.00	-0.003994	±2.5	PASS
Band4	1513	4	NV	50	-7.32	-0.004177	±2.5	PASS
Band4	1513	5	NV	-30	-7.54	-0.004302	±2.5	PASS
Band4	1513	5	NV	-20	-6.28	-0.003583	±2.5	PASS

Band4	1513	5	NV	-10	-6.91	-0.003943	±2.5	PASS
Band4	1513	5	NV	0	-6.83	-0.003897	±2.5	PASS
Band4	1513	5	NV	10	-7.19	-0.004102	±2.5	PASS
Band4	1513	5	NV	20	-6.95	-0.003966	±2.5	PASS
Band4	1513	5	NV	30	-6.46	-0.003686	±2.5	PASS
Band4	1513	5	NV	40	-6.64	-0.003789	±2.5	PASS
Band4	1513	5	NV	50	-7.60	-0.004336	±2.5	PASS

