

WCDMA Band4 Test Data

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AppendixA: Effective (Isotropic) Radiated Power Output Data

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AppendixF: Frequency Stability

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	22.57	30.00	PASS
Band4	1413	22.71	30.00	PASS
Band4	1513	22.67	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	1	21.60	30.00	PASS
Band4	1312	2	21.08	30.00	PASS
Band4	1312	3	21.09	30.00	PASS
Band4	1312	4	21.10	30.00	PASS
Band4	1413	1	21.75	30.00	PASS
Band4	1413	2	21.16	30.00	PASS
Band4	1413	3	21.15	30.00	PASS
Band4	1413	4	21.22	30.00	PASS
Band4	1513	1	21.77	30.00	PASS
Band4	1513	2	21.18	30.00	PASS
Band4	1513	3	21.18	30.00	PASS
Band4	1513	4	21.21	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	1	21.54	30.00	PASS
Band4	1312	2	20.07	30.00	PASS
Band4	1312	3	20.58	30.00	PASS
Band4	1312	4	19.54	30.00	PASS
Band4	1312	5	21.52	30.00	PASS
Band4	1413	1	21.71	30.00	PASS
Band4	1413	2	20.23	30.00	PASS
Band4	1413	3	20.76	30.00	PASS
Band4	1413	4	19.66	30.00	PASS
Band4	1413	5	21.72	30.00	PASS
Band4	1513	1	21.59	30.00	PASS

Band4	1513	2	20.22	30.00	PASS
Band4	1513	3	20.72	30.00	PASS
Band4	1513	4	19.65	30.00	PASS
Band4	1513	5	21.63	30.00	PASS



AppendixB:Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	3.14	13	PASS
Band4	1413	3.12	13	PASS
Band4	1513	3.13	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.23	13	PASS
Band4	1312	2	3.49	13	PASS
Band4	1312	3	3.68	13	PASS
Band4	1312	4	3.72	13	PASS
Band4	1413	1	3.22	13	PASS
Band4	1413	2	3.51	13	PASS
Band4	1413	3	3.69	13	PASS
Band4	1413	4	3.74	13	PASS
Band4	1513	1	3.21	13	PASS
Band4	1513	2	3.61	13	PASS
Band4	1513	3	3.81	13	PASS
Band4	1513	4	3.86	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	4.54	13	PASS
Band4	1312	2	5.31	13	PASS
Band4	1312	3	5.33	13	PASS
Band4	1312	4	5.34	13	PASS
Band4	1312	5	4.38	13	PASS
Band4	1413	1	4.34	13	PASS
Band4	1413	2	5.43	13	PASS
Band4	1413	3	4.97	13	PASS
Band4	1413	4	5.47	13	PASS
Band4	1413	5	4.39	13	PASS
Band4	1513	1	4.35	13	PASS

Band4	1513	2	5.43	13	PASS
Band4	1513	3	4.99	13	PASS
Band4	1513	4	5.44	13	PASS
Band4	1513	5	4.4	13	PASS

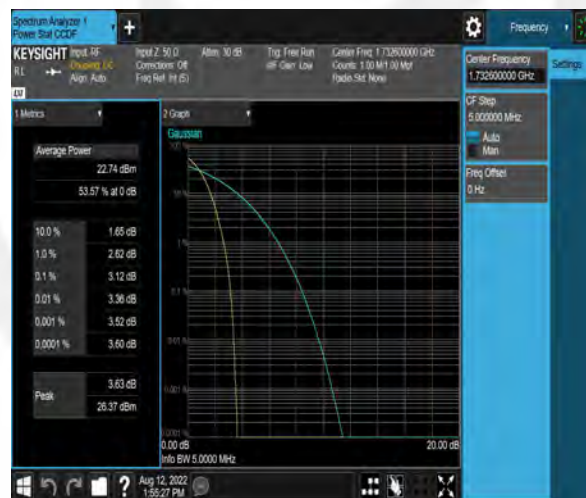


Test Graphs

Band4-1312



Band4-1413



Band4-1513



Band4-1312-1



Band4-1312-2



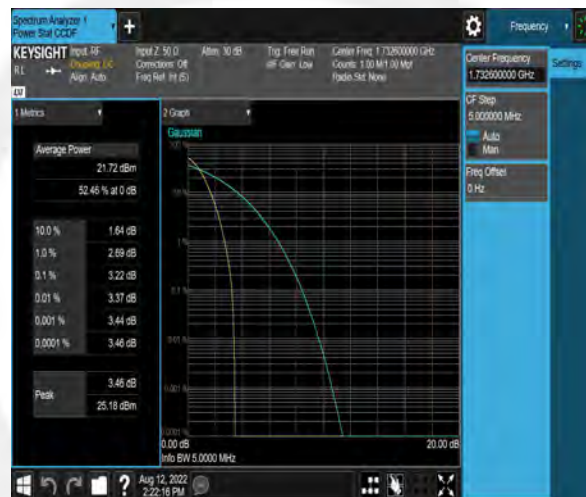
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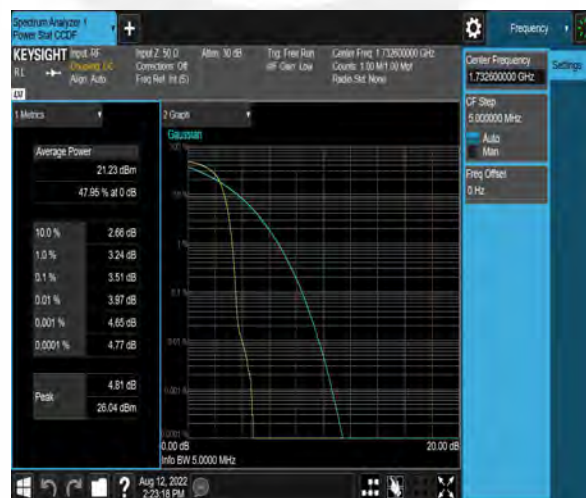
Band4-1312-4



Band4-1413-1



Band4-1413-2



Band4-1413-3



Band4-1413-4



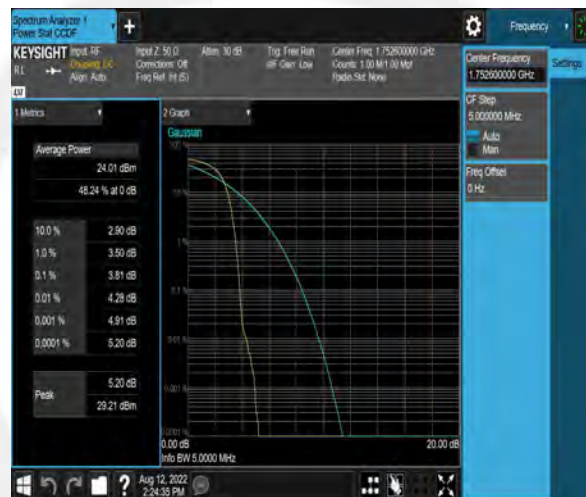
Band4-1513-1



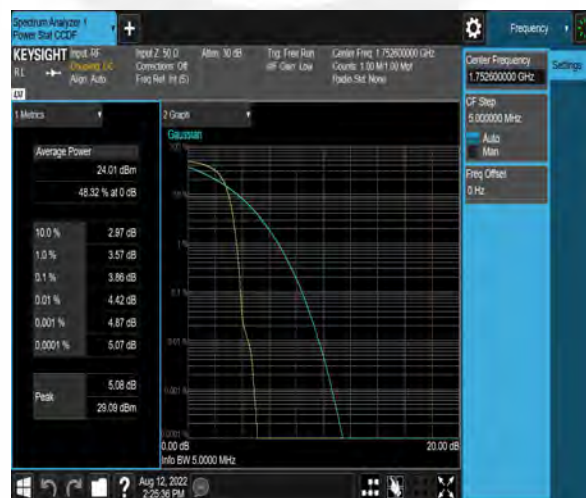
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Band4-1513-3



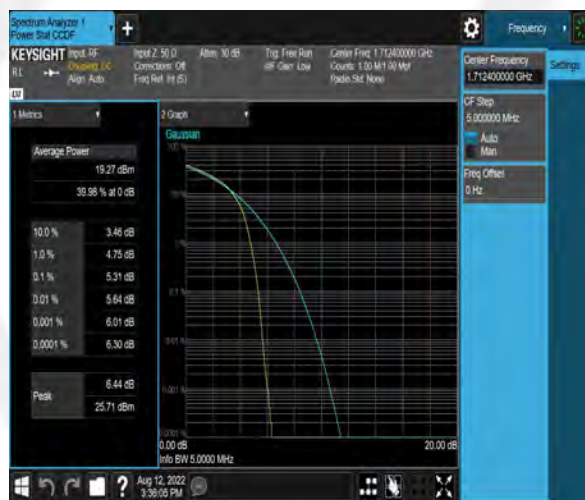
Band4-1513-4



Band4-1312-1



Band4-1312-2



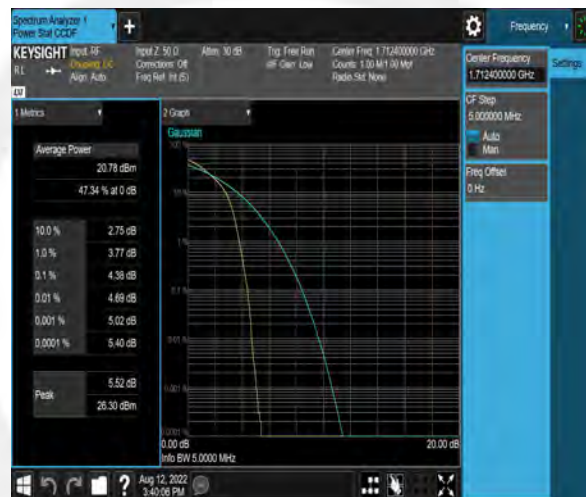
Band4-1312-3



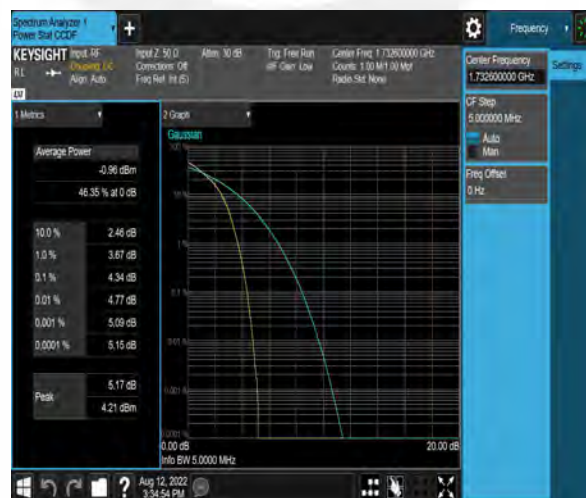
Band4-1312-4



Band4-1312-5



Band4-1413-1



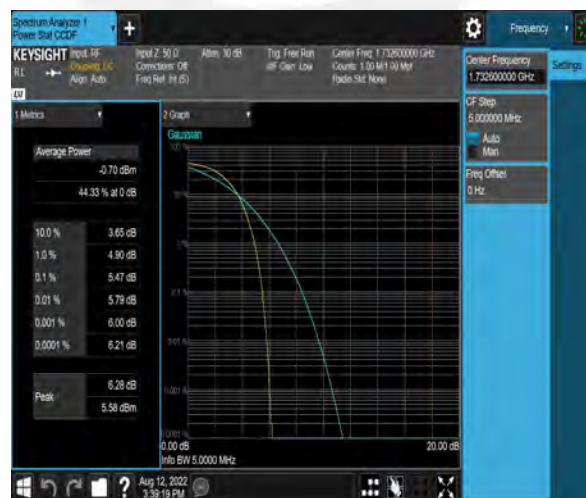
Band4-1413-2



Band4-1413-3



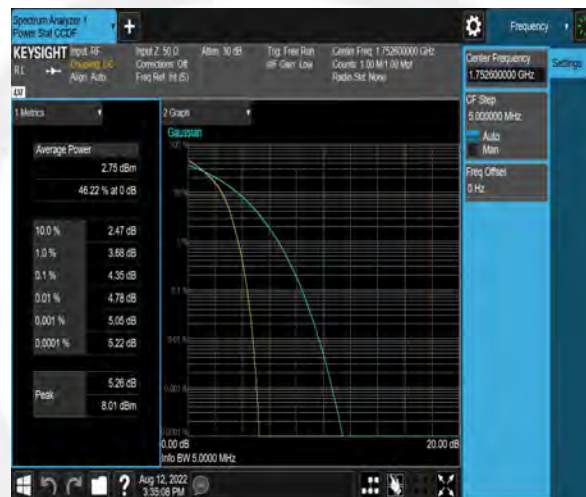
Band4-1413-4



Band4-1413-5



Band4-1513-1



Band4-1513-2



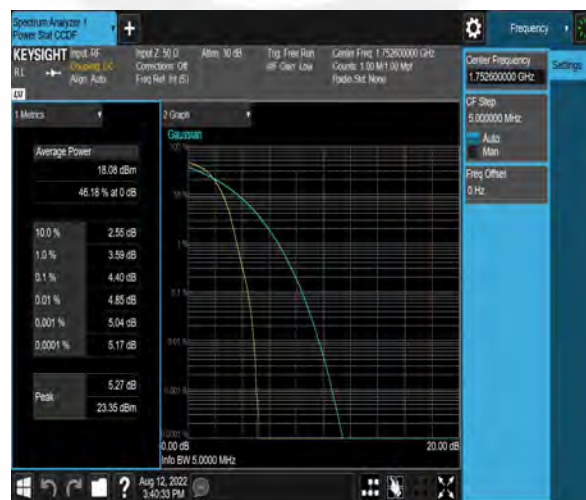
Band4-1513-3



Band4-1513-4



Band4-1513-5



AppendixC:26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band4	1312	4.1333	4.726	---	PASS
Band4	1413	4.1263	4.719	---	PASS
Band4	1513	4.1352	4.708	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band4	1312	1	4.1268	4.710	---	PASS
Band4	1312	2	4.1284	4.707	---	PASS
Band4	1312	3	4.1321	4.700	---	PASS
Band4	1312	4	4.1261	4.696	---	PASS
Band4	1413	1	4.1294	4.706	---	PASS
Band4	1413	2	4.1257	4.720	---	PASS
Band4	1413	3	4.1251	4.698	---	PASS
Band4	1413	4	4.1285	4.701	---	PASS
Band4	1513	1	4.1308	4.700	---	PASS
Band4	1513	2	4.1226	4.710	---	PASS
Band4	1513	3	4.1280	4.711	---	PASS
Band4	1513	4	4.1264	4.712	---	PASS

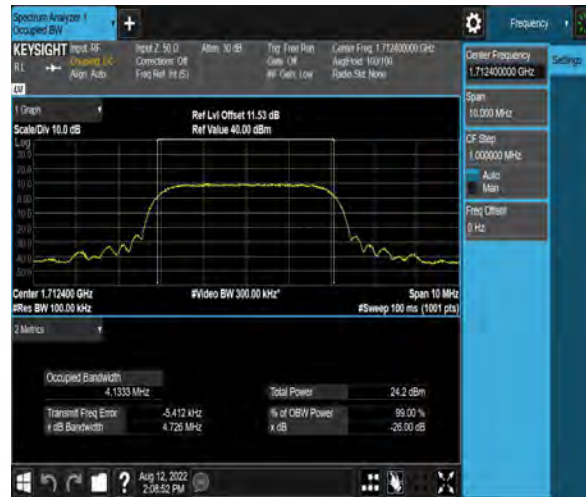
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band4	1312	1	4.1312	4.712	---	PASS
Band4	1312	2	4.1321	4.708	---	PASS
Band4	1312	3	4.1359	4.726	---	PASS
Band4	1312	4	4.1310	4.712	---	PASS
Band4	1312	5	4.1351	4.724	---	PASS
Band4	1413	1	4.1315	4.725	---	PASS
Band4	1413	2	4.1347	4.727	---	PASS
Band4	1413	3	4.1363	4.715	---	PASS

Band4	1413	4	4.1370	4.713	---	PASS
Band4	1413	5	4.1298	4.720	---	PASS
Band4	1513	1	4.1326	4.713	---	PASS
Band4	1513	2	4.1317	4.727	---	PASS
Band4	1513	3	4.1359	4.711	---	PASS
Band4	1513	4	4.1291	4.719	---	PASS
Band4	1513	5	4.1341	4.738	---	PASS

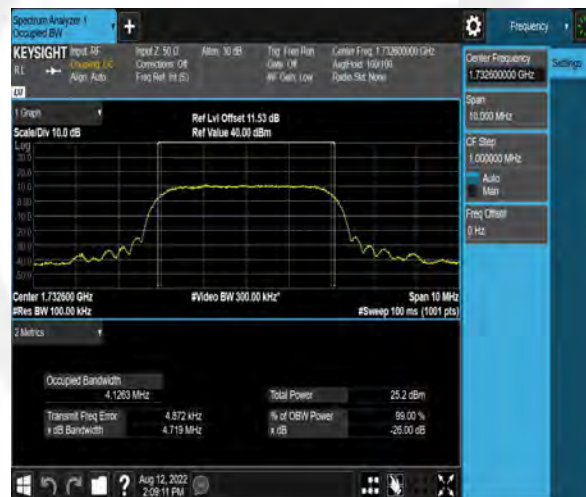


Test Graphs

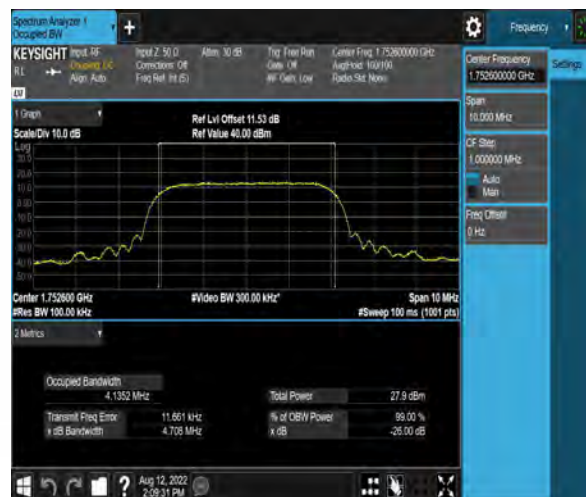
Band4-1312



Band4-1413



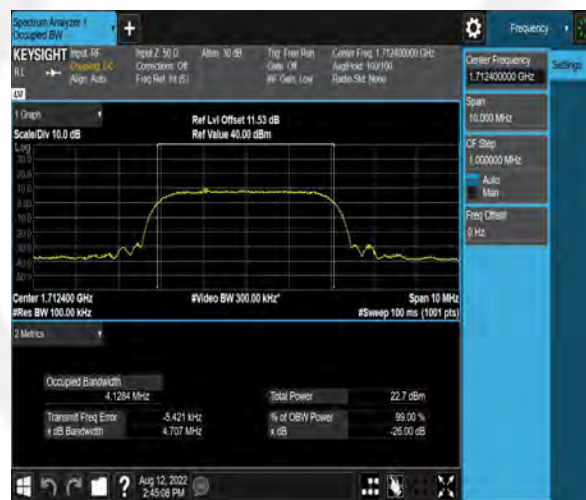
Band4-1513



Band4-1312-1



Band4-1312-2



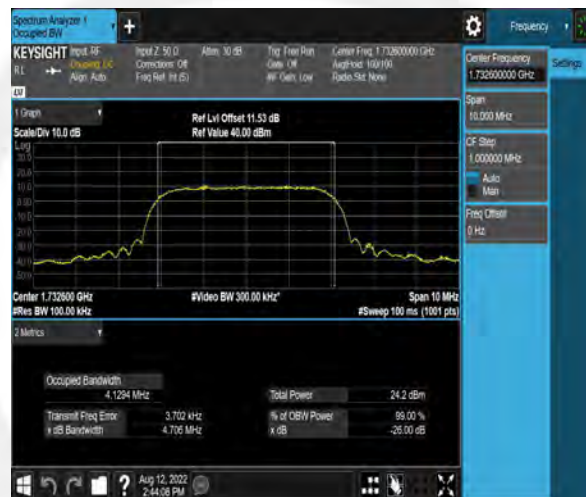
Band4-1312-3



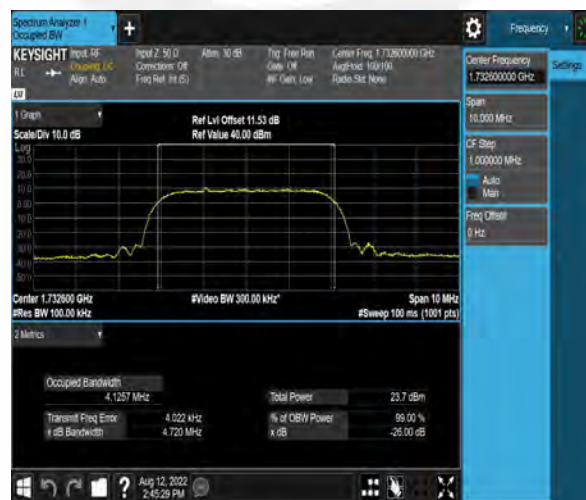
Band4-1312-4



Band4-1413-1



Band4-1413-2



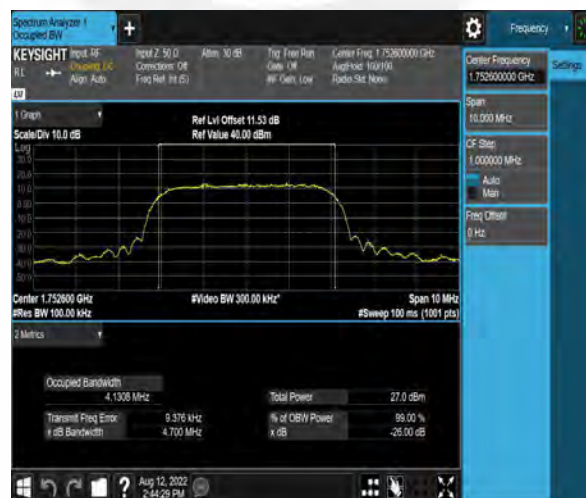
Band4-1413-3



Band4-1413-4



Band4-1513-1



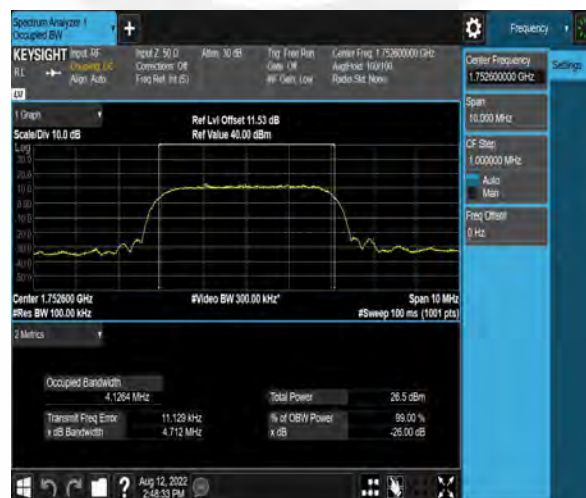
Band4-1513-2



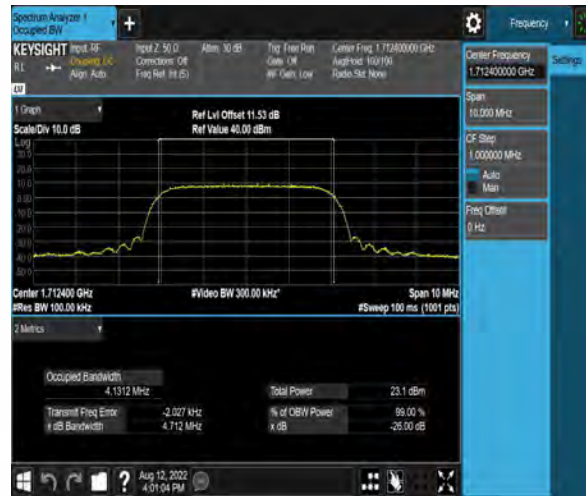
Band4-1513-3



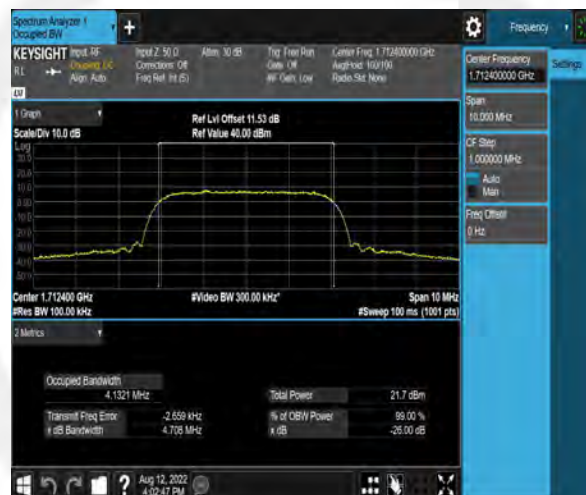
Band4-1513-4



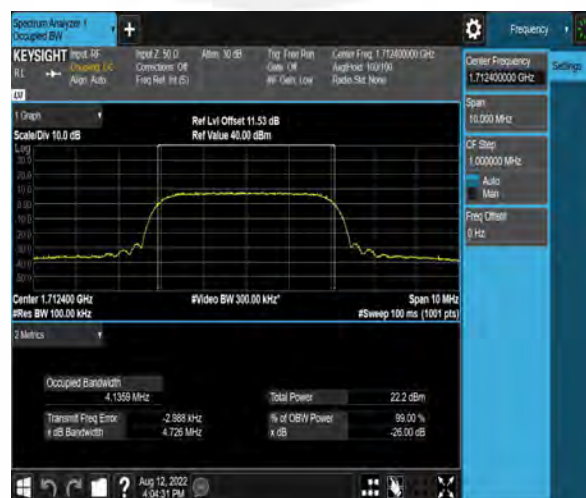
Band4-1312-1



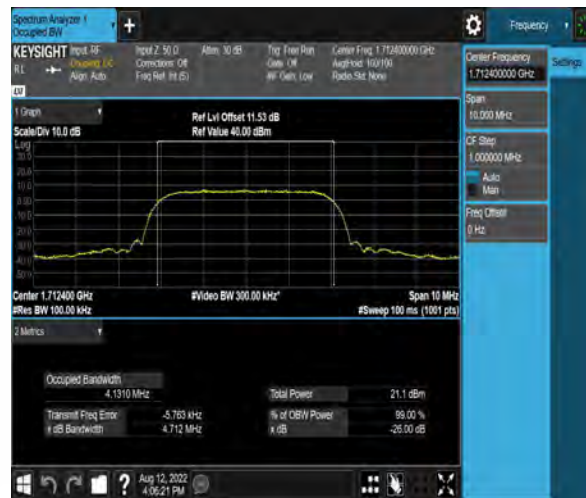
Band4-1312-2



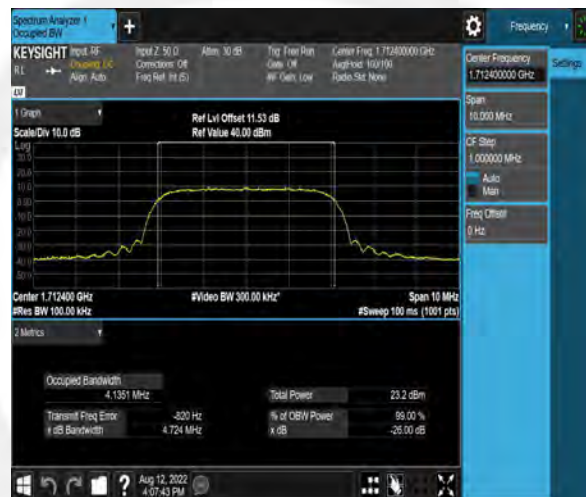
Band4-1312-3



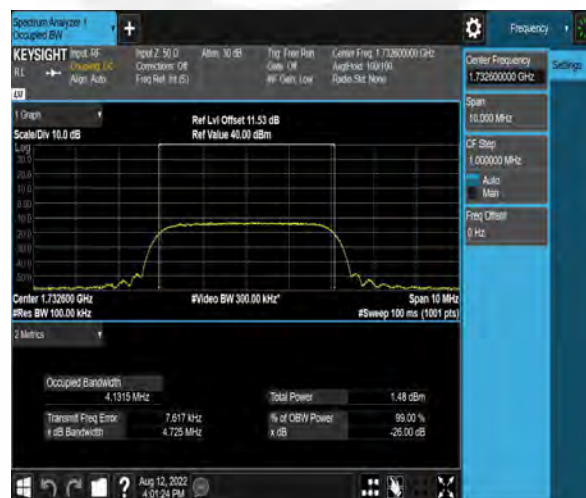
Band4-1312-4



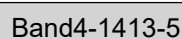
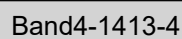
Band4-1312-5

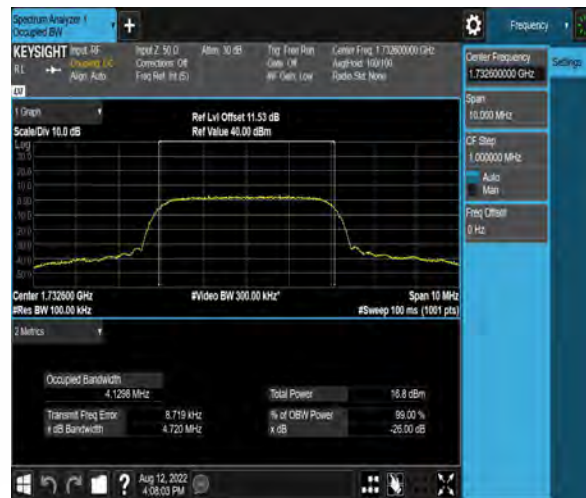


Band4-1413-1

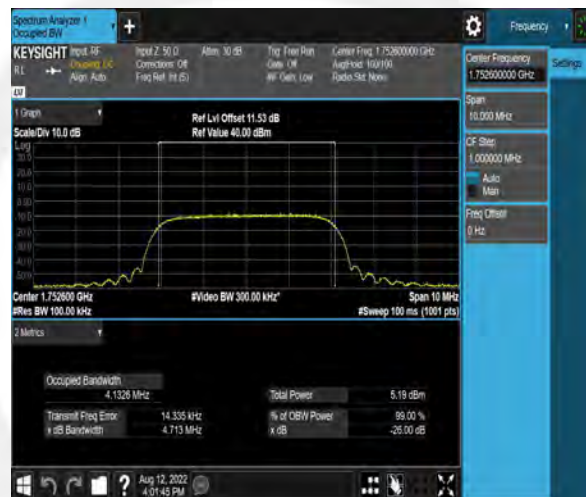


Band4-1413-2

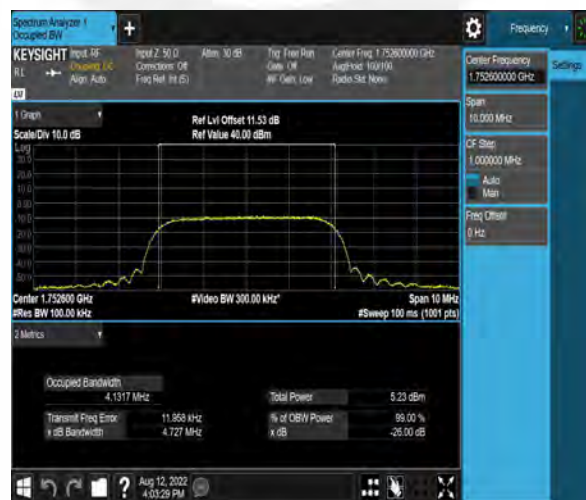




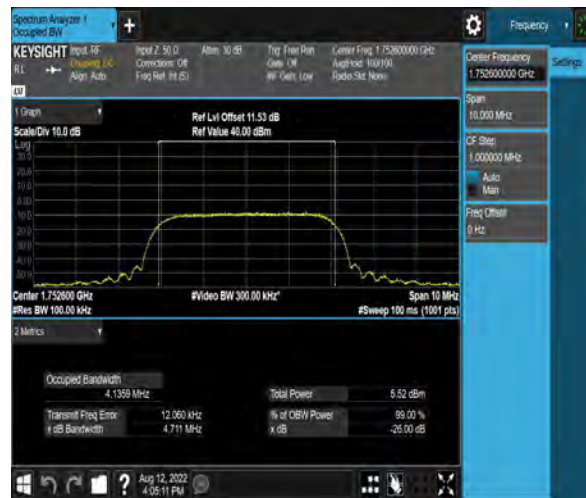
Band4-1513-1



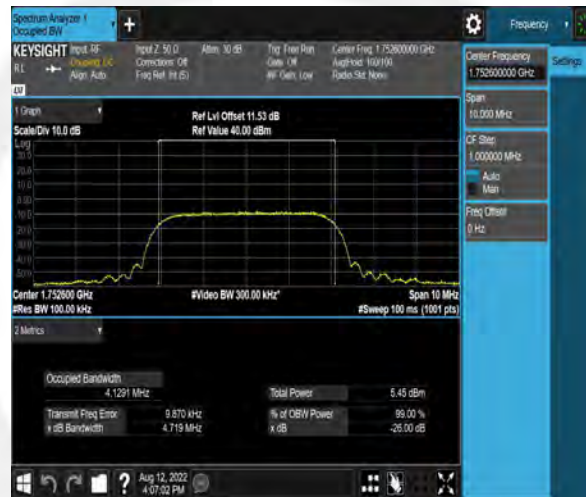
Band4-1513-2



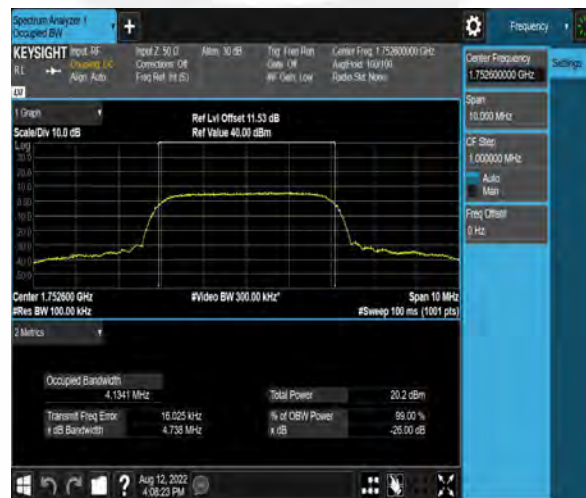
Band4-1513-3



Band4-1513-4



Band4-1513-5



AppendixD:Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1710.00	-23.27	-13	PASS
Band4	1513	1755.00	-19.00	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-24.43	-13	PASS
Band4	1312	2	1710.00	-24.31	-13	PASS
Band4	1312	3	1710.00	-24.39	-13	PASS
Band4	1312	4	1710.00	-24.57	-13	PASS
Band4	1513	1	1755.00	-19.95	-13	PASS
Band4	1513	2	1755.00	-19.87	-13	PASS
Band4	1513	3	1755.00	-20.02	-13	PASS
Band4	1513	4	1755.00	-20.22	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-24.24	-13	PASS
Band4	1312	2	1710.00	-25.35	-13	PASS
Band4	1312	3	1710.00	-25.10	-13	PASS
Band4	1312	4	1710.00	-25.82	-13	PASS
Band4	1312	5	1710.00	-23.76	-13	PASS
Band4	1513	1	1755.00	-41.68	-13	PASS
Band4	1513	2	1755.00	-41.53	-13	PASS
Band4	1513	3	1755.00	-40.71	-13	PASS
Band4	1513	4	1755.00	-41.30	-13	PASS
Band4	1513	5	1755.00	-25.29	-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



Band4-1513-5



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	0.01	-75.77	-43	PASS
Band4	1312	0.15~30MHz	0.16	-68.1	-33	PASS
Band4	1312	30~1000MHz	913.35	-75.63	-23	PASS
Band4	1312	1000~3000MHz	2672.33	-37.92	-13	PASS
Band4	1312	3000~10000MHz	3840.7	-50.39	-13	PASS
Band4	1312	10000~20000MHz	19426.67	-42.02	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-75.89	-43	PASS
Band4	1413	0.15~30MHz	0.15	-67.63	-33	PASS
Band4	1413	30~1000MHz	879.24	-76.03	-23	PASS
Band4	1413	1000~3000MHz	2984.07	-37.89	-13	PASS
Band4	1413	3000~10000MHz	3840.93	-50.32	-13	PASS
Band4	1413	10000~20000MHz	19448.33	-42.02	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-75.71	-43	PASS
Band4	1513	0.15~30MHz	0.15	-67.59	-33	PASS
Band4	1513	30~1000MHz	587.94	-76.19	-23	PASS
Band4	1513	1000~3000MHz	2623.67	-37.9	-13	PASS
Band4	1513	3000~10000MHz	3801.27	-50.33	-13	PASS
Band4	1513	10000~20000MHz	19463.67	-41.99	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	1	0.15~30MHz	0.15	-68.31	-33	PASS
Band4	1312	1	30~1000MHz	877.23	-75.5	-23	PASS
Band4	1312	1	1000~3000MHz	2625.8	-37.94	-13	PASS
Band4	1312	1	3000~10000MHz	3845.13	-50.13	-13	PASS
Band4	1312	1	10000~20000MHz	19410	-41.96	-13	PASS
Band4	1312	1	0.009~0.15MHz	0.01	-75.2	-43	PASS
Band4	1312	2	1000~3000MHz	2647.13	-37.77	-13	PASS
Band4	1312	2	0.009~0.15MHz	0.02	-76.75	-43	PASS
Band4	1312	2	3000~10000MHz	3843.03	-50.09	-13	PASS
Band4	1312	2	30~1000MHz	679.58	-74.8	-23	PASS
Band4	1312	2	0.15~30MHz	0.16	-67.78	-33	PASS

Band4	1312	2	10000~20000MHz	19399.33	-41.97	-13	PASS
Band4	1312	3	0.15~30MHz	0.15	-67.22	-33	PASS
Band4	1312	3	30~1000MHz	866.37	-75.15	-23	PASS
Band4	1312	3	10000~20000MHz	19491.33	-42.06	-13	PASS
Band4	1312	3	0.009~0.15MHz	0.01	-76.43	-43	PASS
Band4	1312	3	3000~10000MHz	3847.7	-50.24	-13	PASS
Band4	1312	3	1000~3000MHz	2644.8	-37.78	-13	PASS
Band4	1312	4	0.15~30MHz	0.15	-65.84	-33	PASS
Band4	1312	4	30~1000MHz	942.83	-75.47	-23	PASS
Band4	1312	4	1000~3000MHz	2664.33	-38.05	-13	PASS
Band4	1312	4	10000~20000MHz	19446.33	-41.92	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.01	-76.03	-43	PASS
Band4	1312	4	3000~10000MHz	3776.07	-50.19	-13	PASS
Band4	1413	1	10000~20000MHz	19445	-41.94	-13	PASS
Band4	1413	1	3000~10000MHz	3832.3	-50.27	-13	PASS
Band4	1413	1	1000~3000MHz	2631.53	-37.86	-13	PASS
Band4	1413	1	30~1000MHz	891.72	-75.12	-23	PASS
Band4	1413	1	0.009~0.15MHz	0.02	-75.5	-43	PASS
Band4	1413	1	0.15~30MHz	0.17	-67.45	-33	PASS
Band4	1413	2	0.15~30MHz	0.16	-68.4	-33	PASS
Band4	1413	2	30~1000MHz	833.19	-73.55	-23	PASS
Band4	1413	2	1000~3000MHz	2688.47	-37.84	-13	PASS
Band4	1413	2	3000~10000MHz	3805.93	-50.28	-13	PASS
Band4	1413	2	0.009~0.15MHz	0.01	-76.77	-43	PASS
Band4	1413	2	10000~20000MHz	19371	-42.06	-13	PASS
Band4	1413	3	1000~3000MHz	2683.8	-38	-13	PASS
Band4	1413	3	30~1000MHz	941.44	-75.51	-23	PASS
Band4	1413	3	0.15~30MHz	0.15	-66.91	-33	PASS
Band4	1413	3	3000~10000MHz	3845.13	-50.25	-13	PASS
Band4	1413	3	0.009~0.15MHz	0.01	-76.64	-43	PASS
Band4	1413	3	10000~20000MHz	19436.67	-42.13	-13	PASS
Band4	1413	4	0.009~0.15MHz	0.01	-76.55	-43	PASS
Band4	1413	4	0.15~30MHz	0.17	-67.97	-33	PASS
Band4	1413	4	30~1000MHz	875.19	-76.26	-23	PASS
Band4	1413	4	1000~3000MHz	2636.33	-37.93	-13	PASS
Band4	1413	4	3000~10000MHz	3796.6	-50.16	-13	PASS
Band4	1413	4	10000~20000MHz	19444	-42.07	-13	PASS

Band4	1513	1	10000~20000MHz	19974	-42.02	-13	PASS
Band4	1513	1	0.009~0.15MHz	0.01	-76.33	-43	PASS
Band4	1513	1	3000~10000MHz	3805.23	-50.3	-13	PASS
Band4	1513	1	0.15~30MHz	0.15	-69.33	-33	PASS
Band4	1513	1	1000~3000MHz	2605.6	-37.93	-13	PASS
Band4	1513	1	30~1000MHz	909.18	-75.7	-23	PASS
Band4	1513	2	0.15~30MHz	0.16	-66.99	-33	PASS
Band4	1513	2	30~1000MHz	723.16	-75.57	-23	PASS
Band4	1513	2	1000~3000MHz	2624.13	-37.83	-13	PASS
Band4	1513	2	10000~20000MHz	19433.67	-41.96	-13	PASS
Band4	1513	2	3000~10000MHz	3841.17	-50.25	-13	PASS
Band4	1513	2	0.009~0.15MHz	0.01	-75.52	-43	PASS
Band4	1513	3	30~1000MHz	923.79	-75.63	-23	PASS
Band4	1513	3	10000~20000MHz	19440.33	-41.97	-13	PASS
Band4	1513	3	1000~3000MHz	2628.07	-37.8	-13	PASS
Band4	1513	3	0.15~30MHz	0.15	-67.87	-33	PASS
Band4	1513	3	0.009~0.15MHz	0.01	-76.06	-43	PASS
Band4	1513	3	3000~10000MHz	3788.9	-50.17	-13	PASS
Band4	1513	4	10000~20000MHz	19402	-42.13	-13	PASS
Band4	1513	4	0.009~0.15MHz	0.01	-76.76	-43	PASS
Band4	1513	4	0.15~30MHz	0.18	-67.72	-33	PASS
Band4	1513	4	30~1000MHz	855.76	-76.26	-23	PASS
Band4	1513	4	1000~3000MHz	2664.93	-37.82	-13	PASS
Band4	1513	4	3000~10000MHz	3805.23	-50.13	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	1	0.15~30MHz	0.16	-68.91	-33	PASS
Band4	1312	1	30~1000MHz	917.81	-76.06	-23	PASS
Band4	1312	1	1000~3000MHz	2623.4	-37.79	-13	PASS
Band4	1312	1	3000~10000MHz	3802.9	-50.13	-13	PASS
Band4	1312	1	10000~20000MHz	19335.67	-41.99	-13	PASS
Band4	1312	1	0.009~0.15MHz	0.01	-76	-43	PASS
Band4	1312	2	1000~3000MHz	2630.2	-37.93	-13	PASS
Band4	1312	2	3000~10000MHz	3832.53	-50.35	-13	PASS
Band4	1312	2	30~1000MHz	874.9	-74.83	-23	PASS

Band4	1312	2	0.15~30MHz	0.15	-67.19	-33	PASS
Band4	1312	2	0.009~0.15MHz	0.01	-76.19	-43	PASS
Band4	1312	2	10000~20000MHz	19403.67	-42.07	-13	PASS
Band4	1312	3	10000~20000MHz	19415	-42.1	-13	PASS
Band4	1312	3	0.15~30MHz	0.15	-69.44	-33	PASS
Band4	1312	3	30~1000MHz	954.25	-76.09	-23	PASS
Band4	1312	3	0.009~0.15MHz	0.01	-75.92	-43	PASS
Band4	1312	3	3000~10000MHz	3850.27	-50.03	-13	PASS
Band4	1312	3	1000~3000MHz	2642.8	-37.68	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.01	-76.44	-43	PASS
Band4	1312	4	0.15~30MHz	0.17	-67.46	-33	PASS
Band4	1312	4	30~1000MHz	985.81	-75.29	-23	PASS
Band4	1312	4	1000~3000MHz	2684.53	-37.95	-13	PASS
Band4	1312	4	3000~10000MHz	3763.7	-50.22	-13	PASS
Band4	1312	4	10000~20000MHz	19417	-42.07	-13	PASS
Band4	1312	5	1000~3000MHz	2677.8	-38.04	-13	PASS
Band4	1312	5	10000~20000MHz	19339.67	-42.12	-13	PASS
Band4	1312	5	3000~10000MHz	3792.4	-50.19	-13	PASS
Band4	1312	5	0.009~0.15MHz	0.01	-75.95	-43	PASS
Band4	1312	5	30~1000MHz	943.51	-75.15	-23	PASS
Band4	1312	5	0.15~30MHz	0.15	-67.81	-33	PASS
Band4	1413	1	0.15~30MHz	0.16	-67.71	-33	PASS
Band4	1413	1	0.009~0.15MHz	0.01	-76.36	-43	PASS
Band4	1413	1	30~1000MHz	885.41	-76.23	-23	PASS
Band4	1413	1	1000~3000MHz	2580.93	-37.91	-13	PASS
Band4	1413	1	3000~10000MHz	3849.33	-50.2	-13	PASS
Band4	1413	1	10000~20000MHz	19408.33	-41.79	-13	PASS
Band4	1413	2	1000~3000MHz	2616.93	-37.86	-13	PASS
Band4	1413	2	3000~10000MHz	3838.37	-50.2	-13	PASS
Band4	1413	2	30~1000MHz	825.17	-75.53	-23	PASS
Band4	1413	2	0.15~30MHz	0.18	-67.58	-33	PASS
Band4	1413	2	0.009~0.15MHz	0.01	-75.23	-43	PASS
Band4	1413	2	10000~20000MHz	19406	-42.11	-13	PASS
Band4	1413	3	30~1000MHz	881.6	-76.14	-23	PASS
Band4	1413	3	0.009~0.15MHz	0.01	-76.4	-43	PASS
Band4	1413	3	1000~3000MHz	2603.8	-37.7	-13	PASS
Band4	1413	3	3000~10000MHz	3842.8	-50.12	-13	PASS

Band4	1413	3	10000~20000MHz	19371	-42.07	-13	PASS
Band4	1413	3	0.15~30MHz	0.16	-67.69	-33	PASS
Band4	1413	4	0.15~30MHz	0.15	-68.5	-33	PASS
Band4	1413	4	10000~20000MHz	19406	-42.1	-13	PASS
Band4	1413	4	3000~10000MHz	3791	-50.17	-13	PASS
Band4	1413	4	30~1000MHz	912.76	-54.57	-23	PASS
Band4	1413	4	0.009~0.15MHz	0.01	-75.16	-43	PASS
Band4	1413	4	1000~3000MHz	2620.8	-37.94	-13	PASS
Band4	1413	5	10000~20000MHz	19414	-42.09	-13	PASS
Band4	1413	5	0.15~30MHz	0.15	-68.2	-33	PASS
Band4	1413	5	30~1000MHz	915.35	-74.93	-23	PASS
Band4	1413	5	1000~3000MHz	2701.67	-37.97	-13	PASS
Band4	1413	5	3000~10000MHz	3852.13	-50.26	-13	PASS
Band4	1413	5	0.009~0.15MHz	0.01	-76.41	-43	PASS
Band4	1513	1	0.009~0.15MHz	0.01	-75.63	-43	PASS
Band4	1513	1	0.15~30MHz	0.16	-66.81	-33	PASS
Band4	1513	1	30~1000MHz	826.66	-70.43	-23	PASS
Band4	1513	1	1000~3000MHz	2965.07	-37.98	-13	PASS
Band4	1513	1	3000~10000MHz	3846.3	-50.31	-13	PASS
Band4	1513	1	10000~20000MHz	19425.67	-41.96	-13	PASS
Band4	1513	2	1000~3000MHz	2688.27	-37.92	-13	PASS
Band4	1513	2	10000~20000MHz	19400	-41.96	-13	PASS
Band4	1513	2	3000~10000MHz	3850.97	-50.32	-13	PASS
Band4	1513	2	30~1000MHz	833.58	-71.79	-23	PASS
Band4	1513	2	0.15~30MHz	0.16	-69.39	-33	PASS
Band4	1513	2	0.009~0.15MHz	0.01	-74.65	-43	PASS
Band4	1513	3	3000~10000MHz	3799.4	-50.3	-13	PASS
Band4	1513	3	0.15~30MHz	0.17	-68.59	-33	PASS
Band4	1513	3	10000~20000MHz	19445	-42.12	-13	PASS
Band4	1513	3	30~1000MHz	826.05	-58.85	-23	PASS
Band4	1513	3	1000~3000MHz	2620.13	-37.9	-13	PASS
Band4	1513	3	0.009~0.15MHz	0.01	-76.43	-43	PASS
Band4	1513	4	0.009~0.15MHz	0.01	-77.36	-43	PASS
Band4	1513	4	10000~20000MHz	19403.67	-41.92	-13	PASS
Band4	1513	4	3000~10000MHz	3846.3	-50.19	-13	PASS
Band4	1513	4	1000~3000MHz	2757.87	-37.92	-13	PASS
Band4	1513	4	0.15~30MHz	0.16	-66.96	-33	PASS

Band4	1513	4	30~1000MHz	911.37	-63.79	-23	PASS
Band4	1513	5	10000~20000MHz	19375	-41.87	-13	PASS
Band4	1513	5	0.009~0.15MHz	0.01	-74.68	-43	PASS
Band4	1513	5	0.15~30MHz	0.18	-67.21	-33	PASS
Band4	1513	5	30~1000MHz	747.06	-75.66	-23	PASS
Band4	1513	5	1000~3000MHz	2632	-37.87	-13	PASS
Band4	1513	5	3000~10000MHz	3751.8	-50.29	-13	PASS



Test Graphs

Band4-1312-0.009~0.15MHz



Band4-1312-0.15~30MHz



Band4-1312-30~1000MHz



Band4-1312-1000~3000MHz



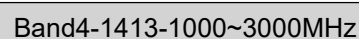
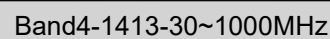
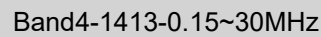
Band4-1312-3000~10000MHz



Band4-1312-10000~20000MHz



Band4-1413-0.009~0.15MHz





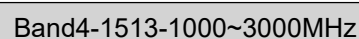
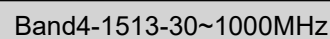
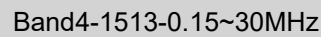
Band4-1413-3000~10000MHz



Band4-1413-10000~20000MHz



Band4-1513-0.009~0.15MHz





Band4-1513-3000~10000MHz



Band4-1513-10000~20000MHz



The screenshot displays the Keysight Spectrum Analyzer 1 Sweep SA interface. The main display area shows a spectrum plot with a yellow trace. The frequency is set to 154.0 kHz, and the signal level is -68.31 dBm. The plot shows a sharp peak at the center frequency. The interface includes various control panels for input, resolution, and span, as well as a status bar at the bottom showing the date and time.

Top Panel:

- Input:** Input 2: 30.0, Correlation: Off, Freq Ref: 10.0
- Resolution:** RBW: 30.0, VBW: 30.0, SSB: Off, Span: 30.0, Freq Span: 30.0, Span: 30.0, Span: 30.0
- Power:** P1dB: 15.0, P1dBm: 15.0, P1dBm: 15.0, P1dBm: 15.0
- Frequency:** Center Frequency: 15.075000 MHz

Plot Area:

- Scale/Div:** 10 dB
- Log:** On
- Ref Level:** 15.01 dBm
- Ref Level Offset:** 5.01 dB
- Marker:** Mkr1 154.0 kHz, -68.31 dBm

Right Panel:

- Span:** 30.000000 MHz
- Start Freq:** 15.000000 MHz
- Stop Freq:** 15.030000 MHz
- Sweep Span:** 30.000000 MHz
- Full Span:** On
- AUTO TUNE:** On
- CF Step:** 2.958000 MHz
- Auto:** On
- Man:** Off
- Freq Offset:** 0 Hz
- K Attic Scale:** On
- Log:** On
- Signal Track:** On

Bottom Panel:

- Start:** 15.000000 MHz
- Stop:** 15.030000 MHz
- Res BW:** 30.0 kHz
- Sweep:** 370 ms (30000 pts)
- Video BW:** 30.0 kHz
- Date/Time:** Aug 12, 2022, 2:51:59 PM

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: Channel 10C
Align Auto

Input 2: 50.0 dBm 10 dB
Connectors Off
Frag Ref: Off (S)

PNO Fast
Gate Off
R: Gate Low
Sig Trace Off

Ref Type: Power (dBm) 12.3434
Assigned 3050 MHz
Tog 1: Full Run

Center Frequency: 515.000000 MHz

Span: 970.000000 MHz
Sweep Span: Zero Span
Full Span

Start Freq: 30.000000 GHz
Stop Freq: 1.000000000 GHz
AUTO TUNE

CF Stop: 37.000000 MHz
Auto Man
Freq Offset: 0 GHz
XAxis Scale: Log Lin
Signal Trk

1 Spectrum
Scale/Div 10 dB
Log

Ref Lvl Offset 5.91 dB
Ref Level 5.91 dBm

Mkr1 877.23 MHz
-75.50 dBm

0.1 2700 dBm

Start 0.0000 GHz
#Res BW 100 kHz
#Video BW 300 kHz

Stop 1.0000 GHz
Sweep ~120 ms (30001 pts)

Aug 12, 2022
2:54:11 PM

[illegible]

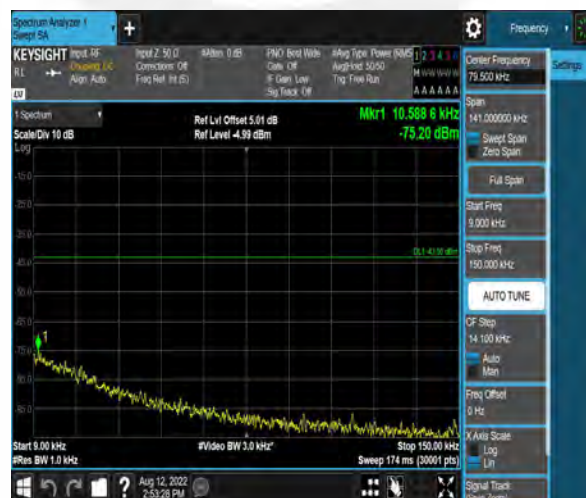
深圳信测标准技术服务股份有限公司 地址:广东省深圳市南山区马家龙工业区69栋 网址:Http://www.emtek.com.cn 邮箱:cs.rep@emtek.com.cn



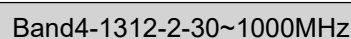
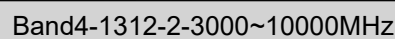
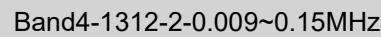
Band4-1312-1-10000~20000MHz



Band4-1312-1-0.009~0.15MHz



Band4-1312-2-1000~3000MHz

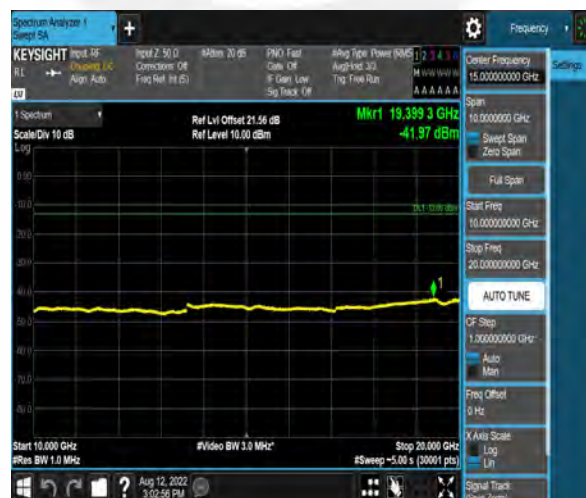




Band4-1312-2-0.15~30MHz



Band4-1312-2-10000~20000MHz



Band4-1312-3-0.15~30MHz



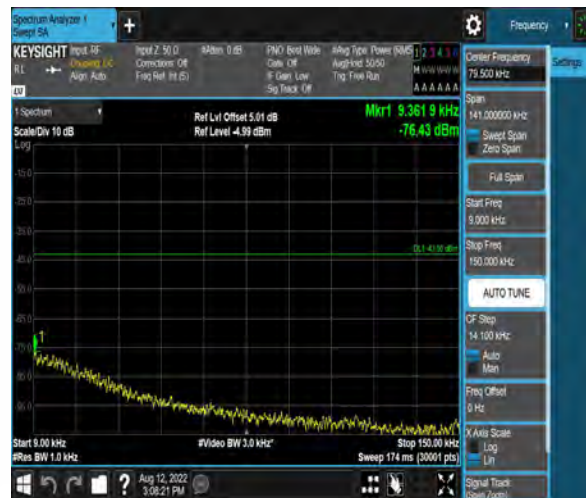
Band4-1312-3-30~1000MHz



Band4-1312-3-10000~20000MHz



Band4-1312-3-0.009~0.15MHz



Band4-1312-3-3000~10000MHz



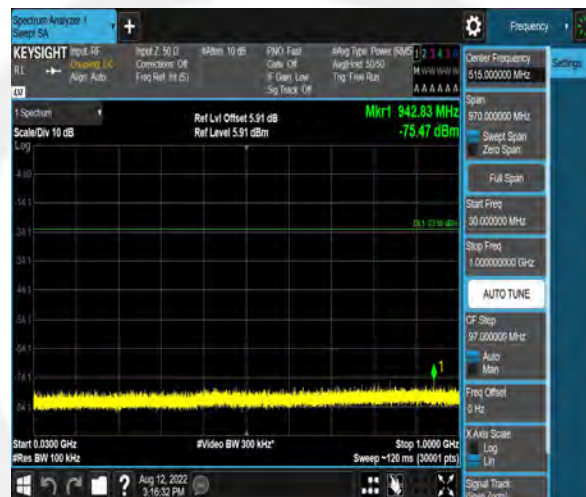
Band4-1312-3-1000~3000MHz



Band4-1312-4-0.15~30MHz



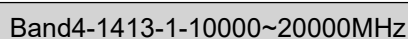
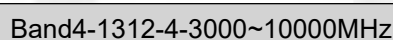
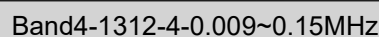
Band4-1312-4-30~1000MHz



Band4-1312-4-1000~3000MHz



Band4-1312-4-10000~20000MHz





Band4-1413-1-3000~10000MHz



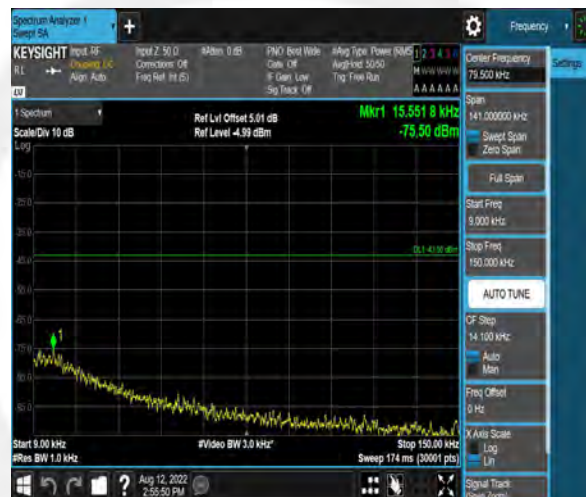
Band4-1413-1-1000~3000MHz



Band4-1413-1-30~1000MHz



Band4-1413-1-0.009~0.15MHz



Band4-1413-1-0.15~30MHz



Band4-1413-2-0.15~30MHz



Band4-1413-2-30~1000MHz



Band4-1413-2-1000~3000MHz

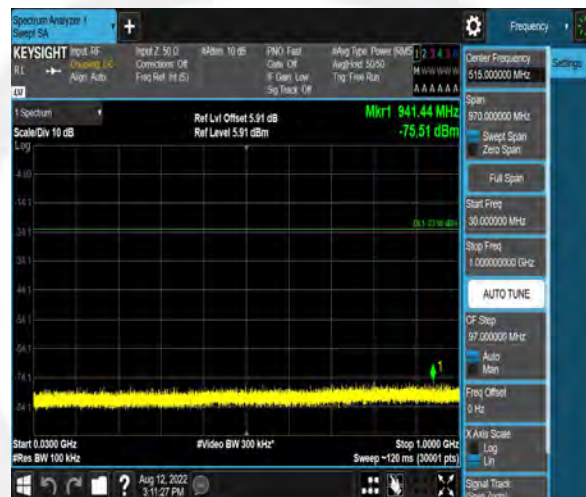


Band4-1413-2-3000~10000MHz





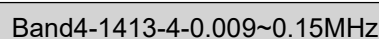
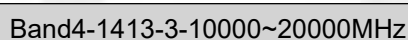
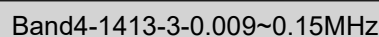
Band4-1413-3-30~1000MHz

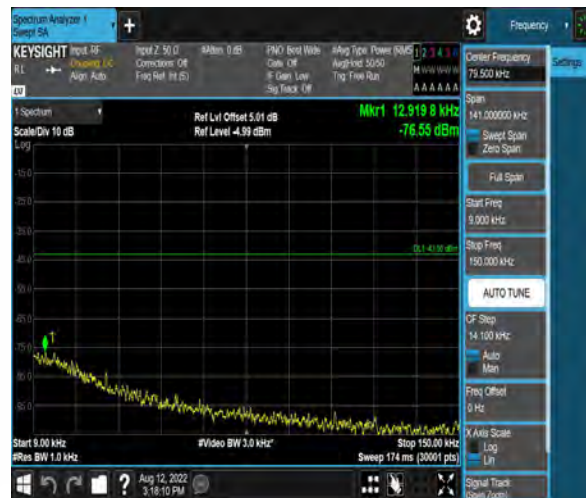


Band4-1413-3-0.15~30MHz



Band4-1413-3-3000~10000MHz





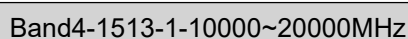
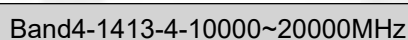
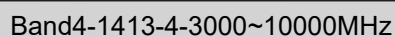
Band4-1413-4-0.15~30MHz



Band4-1413-4-30~1000MHz

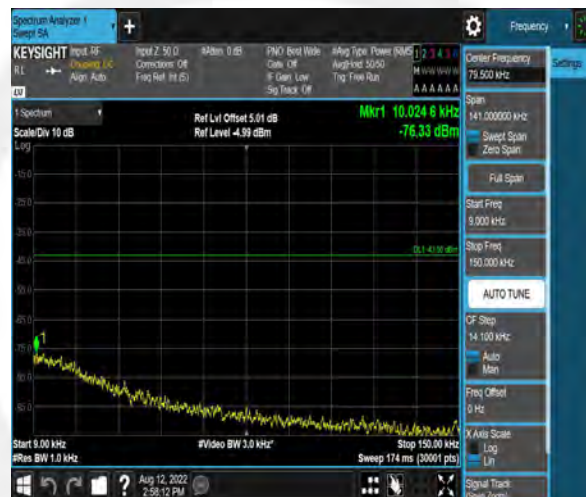


Band4-1413-4-1000~3000MHz





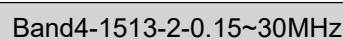
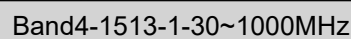
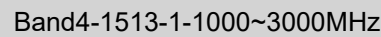
Band4-1513-1-0.009~0.15MHz



Band4-1513-1-3000~10000MHz



Band4-1513-1-0.15~30MHz





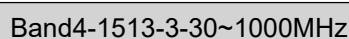
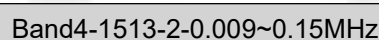
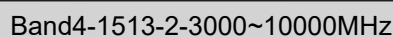
Band4-1513-2-30~1000MHz



Band4-1513-2-1000~3000MHz



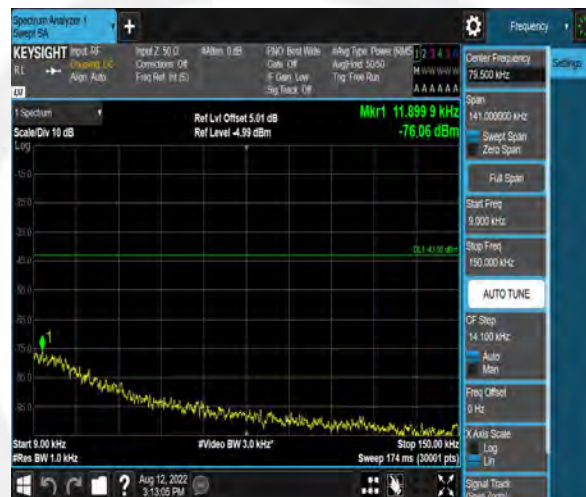
Band4-1513-2-10000~20000MHz







Band4-1513-3-0.009~0.15MHz



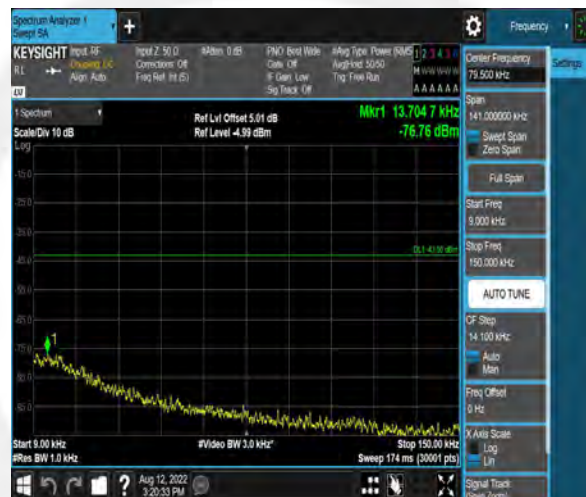
Band4-1513-3-3000~10000MHz



Band4-1513-4-10000~20000MHz



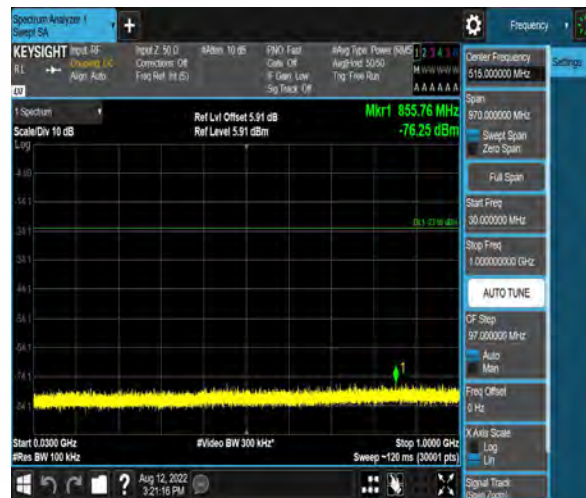
Band4-1513-4-0.009~0.15MHz



Band4-1513-4-0.15~30MHz



Band4-1513-4-30~1000MHz



Band4-1513-4-1000~3000MHz



Band4-1513-4-3000~10000MHz



Band4-1312-1-0.15~30MHz



Band4-1312-1-30~1000MHz



Band4-1312-1-1000~3000MHz



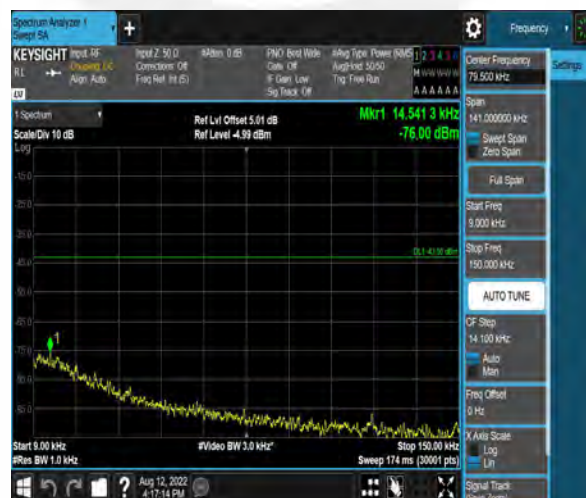
Band4-1312-1-3000~10000MHz



Band4-1312-1-10000~20000MHz



Band4-1312-1-0.009~0.15MHz



Band4-1312-2-1000~3000MHz



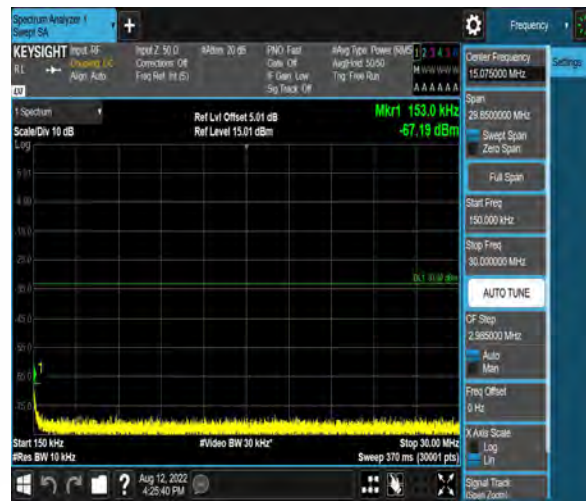
Band4-1312-2-3000~10000MHz



Band4-1312-2-30~1000MHz



Band4-1312-2-0.15~30MHz



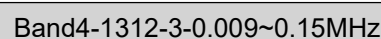
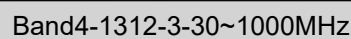
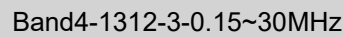
Band4-1312-2-0.009~0.15MHz

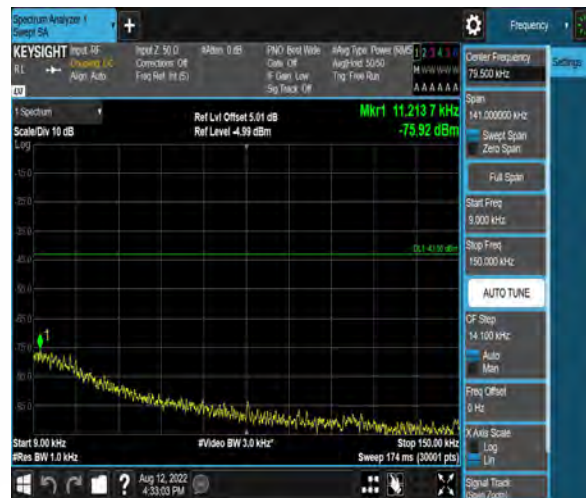


Band4-1312-2-10000~20000MHz



Band4-1312-3-10000~20000MHz





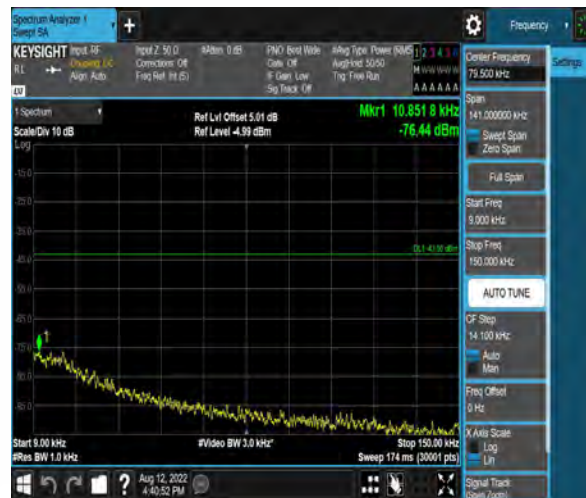
Band4-1312-3-3000~10000MHz



Band4-1312-3-1000~3000MHz



Band4-1312-4-0.009~0.15MHz



Band4-1312-4-0.15~30MHz



Band4-1312-4-30~1000MHz



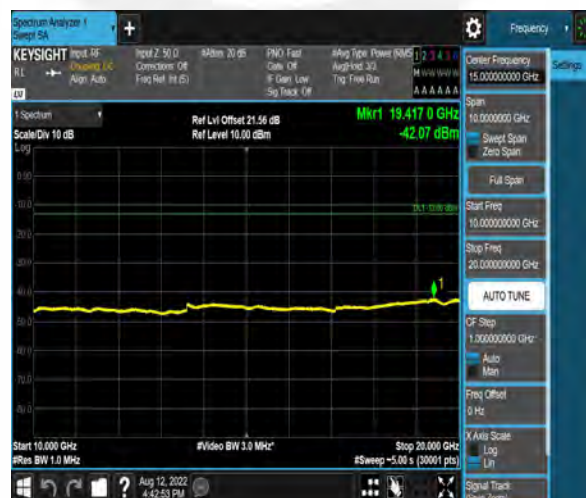
Band4-1312-4-1000~3000MHz



Band4-1312-4-3000~10000MHz



Band4-1312-4-10000~20000MHz



Band4-1312-5-1000~3000MHz



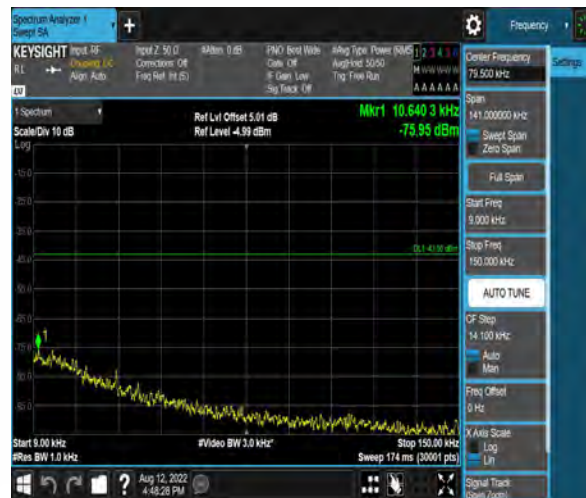
Band4-1312-5-10000~20000MHz



Band4-1312-5-3000~10000MHz



Band4-1312-5-0.009~0.15MHz



Band4-1312-5-30~1000MHz



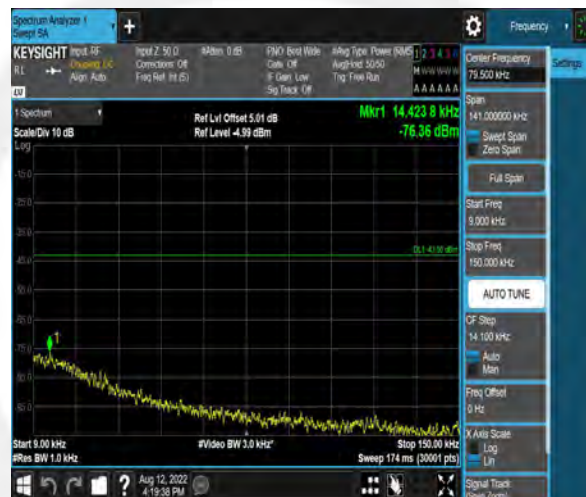
Band4-1312-5-0.15~30MHz



Band4-1413-1-0.15~30MHz



Band4-1413-1-0.009~0.15MHz



Band4-1413-1-30~1000MHz



Band4-1413-1-1000~3000MHz



Band4-1413-1-3000~10000MHz



Band4-1413-1-10000~20000MHz



Band4-1413-2-1000~3000MHz



Band4-1413-2-3000~10000MHz



Band4-1413-2-30~1000MHz



Band4-1413-2-0.15~30MHz



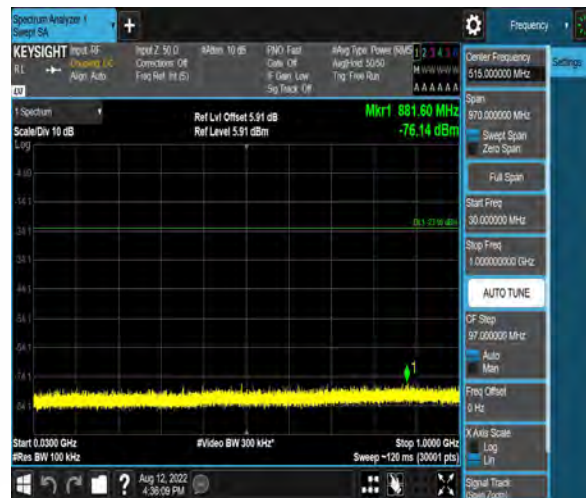
Band4-1413-2-0.009~0.15MHz



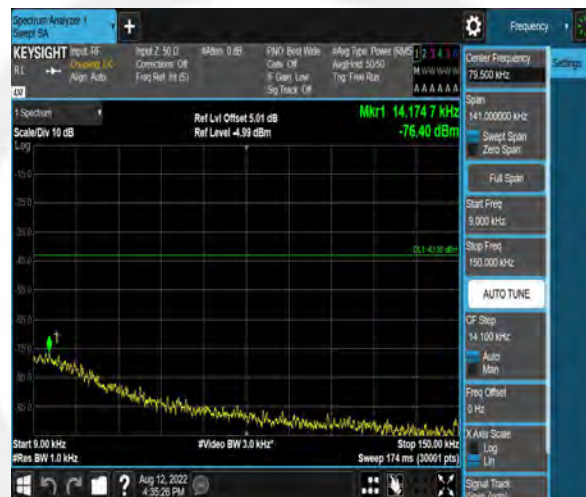
Band4-1413-2-10000~20000MHz



Band4-1413-3-30~1000MHz



Band4-1413-3-0.009~0.15MHz



Band4-1413-3-1000~3000MHz



Band4-1413-3-3000~10000MHz



Band4-1413-3-10000~20000MHz



Band4-1413-3-0.15~30MHz



Band4-1413-4-0.15~30MHz



Band4-1413-4-10000~20000MHz



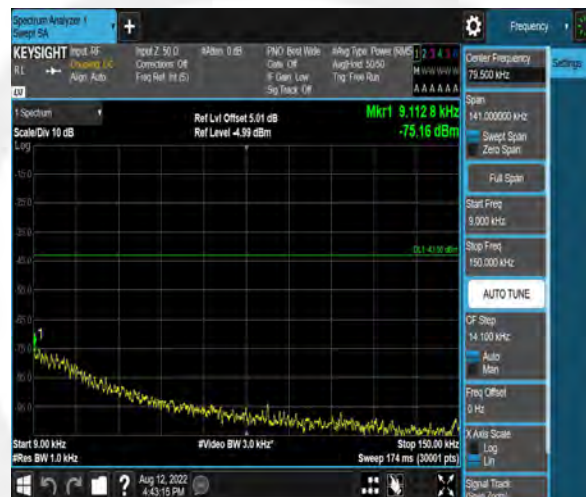
Band4-1413-4-3000~10000MHz



Band4-1413-4-30~1000MHz



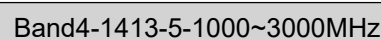
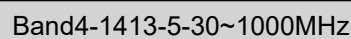
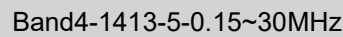
Band4-1413-4-0.009~0.15MHz



Band4-1413-4-1000~3000MHz



Band4-1413-5-10000~20000MHz

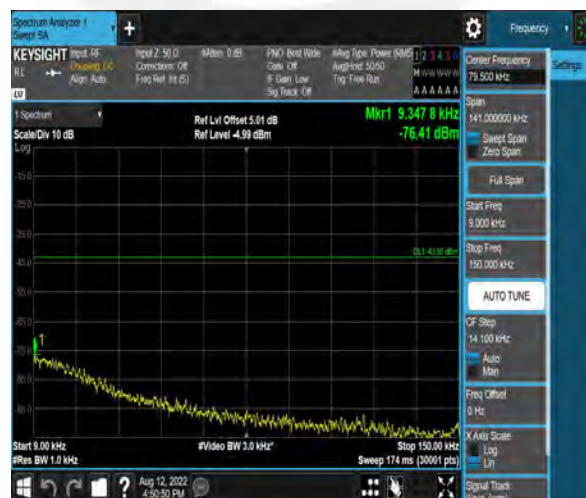




Band4-1413-5-3000~10000MHz



Band4-1413-5-0.009~0.15MHz



Band4-1513-1-0.009~0.15MHz



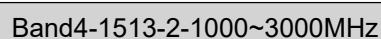
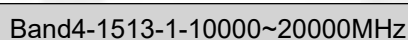
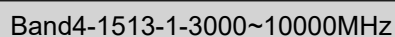
Band4-1513-1-0.15~30MHz



Band4-1513-1-30~1000MHz



Band4-1513-1-1000~3000MHz





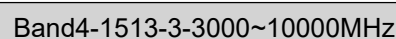
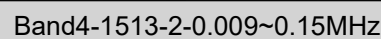
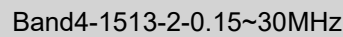
Band4-1513-2-10000~20000MHz



Band4-1513-2-3000~10000MHz



Band4-1513-2-30~1000MHz





Band4-1513-3-0.15~30MHz



Band4-1513-3-10000~20000MHz



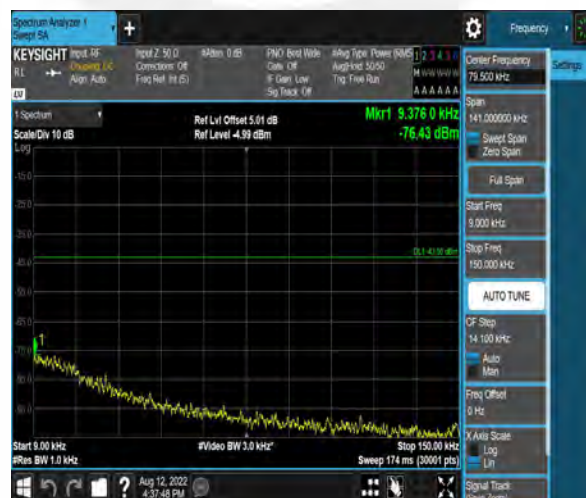
Band4-1513-3-30~1000MHz



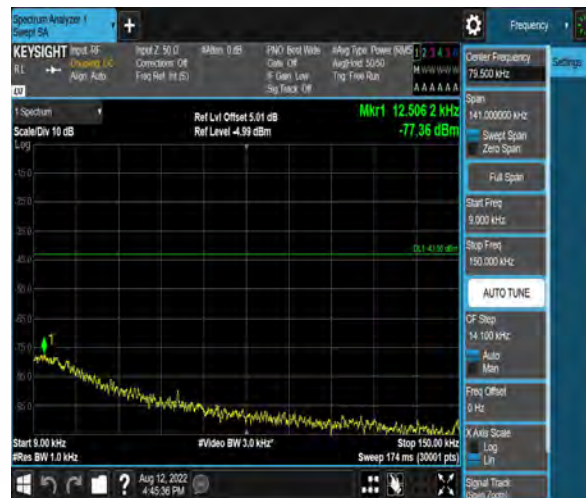
Band4-1513-3-1000~3000MHz



Band4-1513-3-0.009~0.15MHz



Band4-1513-4-0.009~0.15MHz



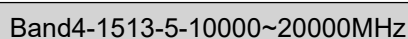
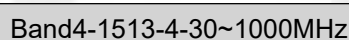
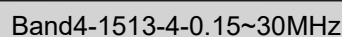
Band4-1513-4-10000~20000MHz



Band4-1513-4-3000~10000MHz



Band4-1513-4-1000~3000MHz





Band4-1513-5-0.009~0.15MHz



Band4-1513-5-0.15~30MHz



Band4-1513-5-30~1000MHz



Band4-1513-5-1000~3000MHz



Band4-1513-5-3000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VL	NT	26.49	0.015470	±2.5	PASS
Band4	1312	VN	NT	25.76	0.015043	±2.5	PASS
Band4	1312	VH	NT	26.75	0.015621	±2.5	PASS
Band4	1413	VL	NT	-1.18	-0.000681	±2.5	PASS
Band4	1413	VN	NT	-0.79	-0.000456	±2.5	PASS
Band4	1413	VH	NT	-1.02	-0.000589	±2.5	PASS
Band4	1513	VL	NT	-21.32	-0.012165	±2.5	PASS
Band4	1513	VN	NT	-21.39	-0.012205	±2.5	PASS
Band4	1513	VH	NT	-21.95	-0.012524	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	26.50	0.015475	±2.5	PASS
Band4	1312	NV	-20	26.38	0.015405	±2.5	PASS
Band4	1312	NV	-10	26.56	0.015510	±2.5	PASS
Band4	1312	NV	0	26.75	0.015621	±2.5	PASS
Band4	1312	NV	10	25.94	0.015148	±2.5	PASS
Band4	1312	NV	20	26.26	0.015335	±2.5	PASS
Band4	1312	NV	30	26.25	0.015329	±2.5	PASS
Band4	1312	NV	40	26.69	0.015586	±2.5	PASS
Band4	1312	NV	50	26.35	0.015388	±2.5	PASS
Band4	1413	NV	-30	-0.61	-0.000352	±2.5	PASS
Band4	1413	NV	-20	-0.79	-0.000456	±2.5	PASS
Band4	1413	NV	-10	-0.60	-0.000346	±2.5	PASS
Band4	1413	NV	0	-1.51	-0.000872	±2.5	PASS
Band4	1413	NV	10	-0.42	-0.000242	±2.5	PASS
Band4	1413	NV	20	-1.47	-0.000848	±2.5	PASS
Band4	1413	NV	30	-1.09	-0.000629	±2.5	PASS
Band4	1413	NV	40	-0.84	-0.000485	±2.5	PASS
Band4	1413	NV	50	-0.78	-0.000450	±2.5	PASS

Band4	1513	NV	-30	-21.15	-0.012068	±2.5	PASS
Band4	1513	NV	-20	-22.12	-0.012621	±2.5	PASS
Band4	1513	NV	-10	-22.01	-0.012558	±2.5	PASS
Band4	1513	NV	0	-21.04	-0.012005	±2.5	PASS
Band4	1513	NV	10	-21.06	-0.012016	±2.5	PASS
Band4	1513	NV	20	-20.47	-0.011680	±2.5	PASS
Band4	1513	NV	30	-20.88	-0.011914	±2.5	PASS
Band4	1513	NV	40	-21.74	-0.012404	±2.5	PASS
Band4	1513	NV	50	-21.60	-0.012325	±2.5	PASS



Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VL	NT	-20.40	-0.011913	±2.5	PASS
Band4	1312	1	VN	NT	-20.86	-0.012182	±2.5	PASS
Band4	1312	1	VH	NT	-20.08	-0.011726	±2.5	PASS
Band4	1312	2	VL	NT	-21.38	-0.012485	±2.5	PASS
Band4	1312	2	VN	NT	-20.51	-0.011977	±2.5	PASS
Band4	1312	2	VH	NT	-20.79	-0.012141	±2.5	PASS
Band4	1312	3	VL	NT	-21.77	-0.012713	±2.5	PASS
Band4	1312	3	VN	NT	-21.17	-0.012363	±2.5	PASS
Band4	1312	3	VH	NT	-20.91	-0.012211	±2.5	PASS
Band4	1312	4	VL	NT	-20.73	-0.012106	±2.5	PASS
Band4	1312	4	VN	NT	-20.01	-0.011685	±2.5	PASS
Band4	1312	4	VH	NT	-20.80	-0.012147	±2.5	PASS
Band4	1413	1	VL	NT	-21.28	-0.012282	±2.5	PASS
Band4	1413	1	VN	NT	-21.56	-0.012444	±2.5	PASS
Band4	1413	1	VH	NT	-21.04	-0.012144	±2.5	PASS
Band4	1413	2	VL	NT	-20.48	-0.011820	±2.5	PASS
Band4	1413	2	VN	NT	-20.46	-0.011809	±2.5	PASS
Band4	1413	2	VH	NT	-20.99	-0.012115	±2.5	PASS
Band4	1413	3	VL	NT	-20.86	-0.012040	±2.5	PASS
Band4	1413	3	VN	NT	-21.32	-0.012305	±2.5	PASS
Band4	1413	3	VH	NT	-20.68	-0.011936	±2.5	PASS
Band4	1413	4	VL	NT	-20.96	-0.012097	±2.5	PASS
Band4	1413	4	VN	NT	-21.32	-0.012305	±2.5	PASS
Band4	1413	4	VH	NT	-20.97	-0.012103	±2.5	PASS
Band4	1513	1	VL	NT	-21.32	-0.012165	±2.5	PASS
Band4	1513	1	VN	NT	-20.44	-0.011663	±2.5	PASS
Band4	1513	1	VH	NT	-20.69	-0.011805	±2.5	PASS
Band4	1513	2	VL	NT	-20.76	-0.011845	±2.5	PASS
Band4	1513	2	VN	NT	-20.73	-0.011828	±2.5	PASS
Band4	1513	2	VH	NT	-21.24	-0.012119	±2.5	PASS
Band4	1513	3	VL	NT	-21.19	-0.012091	±2.5	PASS
Band4	1513	3	VN	NT	-20.51	-0.011703	±2.5	PASS
Band4	1513	3	VH	NT	-21.11	-0.012045	±2.5	PASS

Band4	1513	4	VL	NT	-20.39	-0.011634	±2.5	PASS
Band4	1513	4	VN	NT	-20.59	-0.011748	±2.5	PASS
Band4	1513	4	VH	NT	-20.95	-0.011954	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-21.29	-0.012433	±2.5	PASS
Band4	1312	1	NV	-20	-20.93	-0.012223	±2.5	PASS
Band4	1312	1	NV	-10	-21.24	-0.012404	±2.5	PASS
Band4	1312	1	NV	0	-20.48	-0.011960	±2.5	PASS
Band4	1312	1	NV	10	-20.86	-0.012182	±2.5	PASS
Band4	1312	1	NV	20	-20.83	-0.012164	±2.5	PASS
Band4	1312	1	NV	30	-20.42	-0.011925	±2.5	PASS
Band4	1312	1	NV	40	-21.14	-0.012345	±2.5	PASS
Band4	1312	1	NV	50	-20.99	-0.012258	±2.5	PASS
Band4	1312	2	NV	-30	-20.06	-0.011715	±2.5	PASS
Band4	1312	2	NV	-20	-20.02	-0.011691	±2.5	PASS
Band4	1312	2	NV	-10	-21.01	-0.012269	±2.5	PASS
Band4	1312	2	NV	0	-21.70	-0.012672	±2.5	PASS
Band4	1312	2	NV	10	-20.50	-0.011972	±2.5	PASS
Band4	1312	2	NV	20	-21.21	-0.012386	±2.5	PASS
Band4	1312	2	NV	30	-21.07	-0.012304	±2.5	PASS
Band4	1312	2	NV	40	-20.71	-0.012094	±2.5	PASS
Band4	1312	2	NV	50	-21.39	-0.012491	±2.5	PASS
Band4	1312	3	NV	-30	-21.72	-0.012684	±2.5	PASS
Band4	1312	3	NV	-20	-21.53	-0.012573	±2.5	PASS
Band4	1312	3	NV	-10	-21.28	-0.012427	±2.5	PASS
Band4	1312	3	NV	0	-20.79	-0.012141	±2.5	PASS
Band4	1312	3	NV	10	-21.16	-0.012357	±2.5	PASS
Band4	1312	3	NV	20	-20.49	-0.011966	±2.5	PASS
Band4	1312	3	NV	30	-21.15	-0.012351	±2.5	PASS
Band4	1312	3	NV	40	-20.92	-0.012217	±2.5	PASS
Band4	1312	3	NV	50	-20.59	-0.012024	±2.5	PASS
Band4	1312	4	NV	-30	-20.34	-0.011878	±2.5	PASS
Band4	1312	4	NV	-20	-21.79	-0.012725	±2.5	PASS

Band4	1312	4	NV	-10	-21.52	-0.012567	±2.5	PASS
Band4	1312	4	NV	0	-20.83	-0.012164	±2.5	PASS
Band4	1312	4	NV	10	-21.55	-0.012585	±2.5	PASS
Band4	1312	4	NV	20	-20.39	-0.011907	±2.5	PASS
Band4	1312	4	NV	30	-21.47	-0.012538	±2.5	PASS
Band4	1312	4	NV	40	-20.31	-0.011861	±2.5	PASS
Band4	1312	4	NV	50	-20.86	-0.012182	±2.5	PASS
Band4	1413	1	NV	-30	-21.01	-0.012126	±2.5	PASS
Band4	1413	1	NV	-20	-20.84	-0.012028	±2.5	PASS
Band4	1413	1	NV	-10	-20.89	-0.012057	±2.5	PASS
Band4	1413	1	NV	0	-19.76	-0.011405	±2.5	PASS
Band4	1413	1	NV	10	-21.89	-0.012634	±2.5	PASS
Band4	1413	1	NV	20	-20.59	-0.011884	±2.5	PASS
Band4	1413	1	NV	30	-20.86	-0.012040	±2.5	PASS
Band4	1413	1	NV	40	-19.83	-0.011445	±2.5	PASS
Band4	1413	1	NV	50	-20.99	-0.012115	±2.5	PASS
Band4	1413	2	NV	-30	-20.61	-0.011895	±2.5	PASS
Band4	1413	2	NV	-20	-20.95	-0.012092	±2.5	PASS
Band4	1413	2	NV	-10	-20.39	-0.011768	±2.5	PASS
Band4	1413	2	NV	0	-20.83	-0.012022	±2.5	PASS
Band4	1413	2	NV	10	-20.68	-0.011936	±2.5	PASS
Band4	1413	2	NV	20	-20.10	-0.011601	±2.5	PASS
Band4	1413	2	NV	30	-20.59	-0.011884	±2.5	PASS
Band4	1413	2	NV	40	-21.11	-0.012184	±2.5	PASS
Band4	1413	2	NV	50	-21.08	-0.012167	±2.5	PASS
Band4	1413	3	NV	-30	-21.36	-0.012328	±2.5	PASS
Band4	1413	3	NV	-20	-20.84	-0.012028	±2.5	PASS
Band4	1413	3	NV	-10	-20.48	-0.011820	±2.5	PASS
Band4	1413	3	NV	0	-20.98	-0.012109	±2.5	PASS
Band4	1413	3	NV	10	-21.11	-0.012184	±2.5	PASS
Band4	1413	3	NV	20	-20.81	-0.012011	±2.5	PASS
Band4	1413	3	NV	30	-20.81	-0.012011	±2.5	PASS
Band4	1413	3	NV	40	-21.11	-0.012184	±2.5	PASS
Band4	1413	3	NV	50	-20.82	-0.012017	±2.5	PASS
Band4	1413	4	NV	-30	-20.87	-0.012045	±2.5	PASS
Band4	1413	4	NV	-20	-20.98	-0.012109	±2.5	PASS

Band4	1413	4	NV	-10	-20.49	-0.011826	±2.5	PASS
Band4	1413	4	NV	0	-20.79	-0.011999	±2.5	PASS
Band4	1413	4	NV	10	-20.33	-0.011734	±2.5	PASS
Band4	1413	4	NV	20	-21.06	-0.012155	±2.5	PASS
Band4	1413	4	NV	30	-20.97	-0.012103	±2.5	PASS
Band4	1413	4	NV	40	-20.76	-0.011982	±2.5	PASS
Band4	1413	4	NV	50	-20.63	-0.011907	±2.5	PASS
Band4	1513	1	NV	-30	-21.38	-0.012199	±2.5	PASS
Band4	1513	1	NV	-20	-21.31	-0.012159	±2.5	PASS
Band4	1513	1	NV	-10	-20.45	-0.011668	±2.5	PASS
Band4	1513	1	NV	0	-20.84	-0.011891	±2.5	PASS
Band4	1513	1	NV	10	-21.31	-0.012159	±2.5	PASS
Band4	1513	1	NV	20	-21.15	-0.012068	±2.5	PASS
Band4	1513	1	NV	30	-20.40	-0.011640	±2.5	PASS
Band4	1513	1	NV	40	-21.21	-0.012102	±2.5	PASS
Band4	1513	1	NV	50	-20.86	-0.011902	±2.5	PASS
Band4	1513	2	NV	-30	-20.94	-0.011948	±2.5	PASS
Band4	1513	2	NV	-20	-20.81	-0.011874	±2.5	PASS
Band4	1513	2	NV	-10	-20.94	-0.011948	±2.5	PASS
Band4	1513	2	NV	0	-20.62	-0.011765	±2.5	PASS
Band4	1513	2	NV	10	-20.71	-0.011817	±2.5	PASS
Band4	1513	2	NV	20	-20.91	-0.011931	±2.5	PASS
Band4	1513	2	NV	30	-20.82	-0.011879	±2.5	PASS
Band4	1513	2	NV	40	-20.51	-0.011703	±2.5	PASS
Band4	1513	2	NV	50	-21.52	-0.012279	±2.5	PASS
Band4	1513	3	NV	-30	-20.94	-0.011948	±2.5	PASS
Band4	1513	3	NV	-20	-21.11	-0.012045	±2.5	PASS
Band4	1513	3	NV	-10	-21.55	-0.012296	±2.5	PASS
Band4	1513	3	NV	0	-21.05	-0.012011	±2.5	PASS
Band4	1513	3	NV	10	-21.04	-0.012005	±2.5	PASS
Band4	1513	3	NV	20	-21.09	-0.012034	±2.5	PASS
Band4	1513	3	NV	30	-20.77	-0.011851	±2.5	PASS
Band4	1513	3	NV	40	-20.94	-0.011948	±2.5	PASS
Band4	1513	3	NV	50	-21.57	-0.012307	±2.5	PASS
Band4	1513	4	NV	-30	-20.99	-0.011976	±2.5	PASS
Band4	1513	4	NV	-20	-20.49	-0.011691	±2.5	PASS

Band4	1513	4	NV	-10	-21.10	-0.012039	±2.5	PASS
Band4	1513	4	NV	0	-21.05	-0.012011	±2.5	PASS
Band4	1513	4	NV	10	-21.27	-0.012136	±2.5	PASS
Band4	1513	4	NV	20	-20.68	-0.011800	±2.5	PASS
Band4	1513	4	NV	30	-21.38	-0.012199	±2.5	PASS
Band4	1513	4	NV	40	-21.57	-0.012307	±2.5	PASS
Band4	1513	4	NV	50	-21.41	-0.012216	±2.5	PASS



Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VL	NT	-16.65	-0.009723	±2.5	PASS
Band4	1312	1	VN	NT	-16.89	-0.009863	±2.5	PASS
Band4	1312	1	VH	NT	-18.17	-0.010611	±2.5	PASS
Band4	1312	2	VL	NT	-17.70	-0.010336	±2.5	PASS
Band4	1312	2	VN	NT	-17.69	-0.010331	±2.5	PASS
Band4	1312	2	VH	NT	-17.95	-0.010482	±2.5	PASS
Band4	1312	3	VL	NT	-18.02	-0.010523	±2.5	PASS
Band4	1312	3	VN	NT	-17.33	-0.010120	±2.5	PASS
Band4	1312	3	VH	NT	-18.58	-0.010850	±2.5	PASS
Band4	1312	4	VL	NT	-18.09	-0.010564	±2.5	PASS
Band4	1312	4	VN	NT	-18.13	-0.010587	±2.5	PASS
Band4	1312	4	VH	NT	-18.63	-0.010879	±2.5	PASS
Band4	1312	5	VL	NT	-18.12	-0.010582	±2.5	PASS
Band4	1312	5	VN	NT	-18.58	-0.010850	±2.5	PASS
Band4	1312	5	VH	NT	-17.75	-0.010366	±2.5	PASS
Band4	1413	1	VL	NT	-19.20	-0.011082	±2.5	PASS
Band4	1413	1	VN	NT	-18.01	-0.010395	±2.5	PASS
Band4	1413	1	VH	NT	-17.97	-0.010372	±2.5	PASS
Band4	1413	2	VL	NT	-18.63	-0.010753	±2.5	PASS
Band4	1413	2	VN	NT	-18.80	-0.010851	±2.5	PASS
Band4	1413	2	VH	NT	-18.91	-0.010914	±2.5	PASS
Band4	1413	3	VL	NT	-18.34	-0.010585	±2.5	PASS
Band4	1413	3	VN	NT	-19.30	-0.011139	±2.5	PASS
Band4	1413	3	VH	NT	-18.49	-0.010672	±2.5	PASS
Band4	1413	4	VL	NT	-18.77	-0.010833	±2.5	PASS
Band4	1413	4	VN	NT	-19.07	-0.011007	±2.5	PASS
Band4	1413	4	VH	NT	-18.25	-0.010533	±2.5	PASS
Band4	1413	5	VL	NT	-18.50	-0.010678	±2.5	PASS
Band4	1413	5	VN	NT	-18.10	-0.010447	±2.5	PASS
Band4	1413	5	VH	NT	-18.83	-0.010868	±2.5	PASS
Band4	1513	1	VL	NT	-18.80	-0.010727	±2.5	PASS
Band4	1513	1	VN	NT	-18.92	-0.010795	±2.5	PASS
Band4	1513	1	VH	NT	-18.53	-0.010573	±2.5	PASS

Band4	1513	2	VL	NT	-18.75	-0.010698	±2.5	PASS
Band4	1513	2	VN	NT	-18.75	-0.010698	±2.5	PASS
Band4	1513	2	VH	NT	-18.65	-0.010641	±2.5	PASS
Band4	1513	3	VL	NT	-18.11	-0.010333	±2.5	PASS
Band4	1513	3	VN	NT	-18.16	-0.010362	±2.5	PASS
Band4	1513	3	VH	NT	-17.88	-0.010202	±2.5	PASS
Band4	1513	4	VL	NT	-18.25	-0.010413	±2.5	PASS
Band4	1513	4	VN	NT	-18.58	-0.010601	±2.5	PASS
Band4	1513	4	VH	NT	-18.36	-0.010476	±2.5	PASS
Band4	1513	5	VL	NT	-18.24	-0.010407	±2.5	PASS
Band4	1513	5	VN	NT	-17.86	-0.010191	±2.5	PASS
Band4	1513	5	VH	NT	-18.91	-0.010790	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-16.89	-0.009863	±2.5	PASS
Band4	1312	1	NV	-20	-17.67	-0.010319	±2.5	PASS
Band4	1312	1	NV	-10	-17.24	-0.010068	±2.5	PASS
Band4	1312	1	NV	0	-17.50	-0.010220	±2.5	PASS
Band4	1312	1	NV	10	-18.08	-0.010558	±2.5	PASS
Band4	1312	1	NV	20	-17.87	-0.010436	±2.5	PASS
Band4	1312	1	NV	30	-17.13	-0.010004	±2.5	PASS
Band4	1312	1	NV	40	-17.77	-0.010377	±2.5	PASS
Band4	1312	1	NV	50	-17.75	-0.010366	±2.5	PASS
Band4	1312	2	NV	-30	-18.21	-0.010634	±2.5	PASS
Band4	1312	2	NV	-20	-17.90	-0.010453	±2.5	PASS
Band4	1312	2	NV	-10	-18.01	-0.010517	±2.5	PASS
Band4	1312	2	NV	0	-18.22	-0.010640	±2.5	PASS
Band4	1312	2	NV	10	-18.82	-0.010990	±2.5	PASS
Band4	1312	2	NV	20	-17.52	-0.010231	±2.5	PASS
Band4	1312	2	NV	30	-17.76	-0.010371	±2.5	PASS
Band4	1312	2	NV	40	-18.00	-0.010512	±2.5	PASS
Band4	1312	2	NV	50	-18.52	-0.010815	±2.5	PASS
Band4	1312	3	NV	-30	-18.70	-0.010920	±2.5	PASS
Band4	1312	3	NV	-20	-17.89	-0.010447	±2.5	PASS

Band4	1312	3	NV	-10	-18.45	-0.010774	±2.5	PASS
Band4	1312	3	NV	0	-18.03	-0.010529	±2.5	PASS
Band4	1312	3	NV	10	-18.12	-0.010582	±2.5	PASS
Band4	1312	3	NV	20	-17.63	-0.010295	±2.5	PASS
Band4	1312	3	NV	30	-18.76	-0.010955	±2.5	PASS
Band4	1312	3	NV	40	-18.30	-0.010687	±2.5	PASS
Band4	1312	3	NV	50	-18.33	-0.010704	±2.5	PASS
Band4	1312	4	NV	-30	-17.96	-0.010488	±2.5	PASS
Band4	1312	4	NV	-20	-18.58	-0.010850	±2.5	PASS
Band4	1312	4	NV	-10	-17.82	-0.010406	±2.5	PASS
Band4	1312	4	NV	0	-17.97	-0.010494	±2.5	PASS
Band4	1312	4	NV	10	-18.25	-0.010658	±2.5	PASS
Band4	1312	4	NV	20	-18.87	-0.011020	±2.5	PASS
Band4	1312	4	NV	30	-19.23	-0.011230	±2.5	PASS
Band4	1312	4	NV	40	-18.45	-0.010774	±2.5	PASS
Band4	1312	4	NV	50	-18.93	-0.011055	±2.5	PASS
Band4	1312	5	NV	-30	-18.45	-0.010774	±2.5	PASS
Band4	1312	5	NV	-20	-17.96	-0.010488	±2.5	PASS
Band4	1312	5	NV	-10	-17.89	-0.010447	±2.5	PASS
Band4	1312	5	NV	0	-18.31	-0.010693	±2.5	PASS
Band4	1312	5	NV	10	-19.03	-0.011113	±2.5	PASS
Band4	1312	5	NV	20	-18.31	-0.010693	±2.5	PASS
Band4	1312	5	NV	30	-18.75	-0.010950	±2.5	PASS
Band4	1312	5	NV	40	-18.63	-0.010879	±2.5	PASS
Band4	1312	5	NV	50	-18.17	-0.010611	±2.5	PASS
Band4	1413	1	NV	-30	-18.20	-0.010504	±2.5	PASS
Band4	1413	1	NV	-20	-18.65	-0.010764	±2.5	PASS
Band4	1413	1	NV	-10	-18.79	-0.010845	±2.5	PASS
Band4	1413	1	NV	0	-18.90	-0.010908	±2.5	PASS
Band4	1413	1	NV	10	-18.70	-0.010793	±2.5	PASS
Band4	1413	1	NV	20	-18.78	-0.010839	±2.5	PASS
Band4	1413	1	NV	30	-18.28	-0.010551	±2.5	PASS
Band4	1413	1	NV	40	-18.28	-0.010551	±2.5	PASS
Band4	1413	1	NV	50	-18.16	-0.010481	±2.5	PASS
Band4	1413	2	NV	-30	-18.79	-0.010845	±2.5	PASS
Band4	1413	2	NV	-20	-18.53	-0.010695	±2.5	PASS

Band4	1413	2	NV	-10	-18.53	-0.010695	±2.5	PASS
Band4	1413	2	NV	0	-18.42	-0.010631	±2.5	PASS
Band4	1413	2	NV	10	-19.04	-0.010989	±2.5	PASS
Band4	1413	2	NV	20	-18.48	-0.010666	±2.5	PASS
Band4	1413	2	NV	30	-18.22	-0.010516	±2.5	PASS
Band4	1413	2	NV	40	-18.75	-0.010822	±2.5	PASS
Band4	1413	2	NV	50	-18.93	-0.010926	±2.5	PASS
Band4	1413	3	NV	-30	-18.70	-0.010793	±2.5	PASS
Band4	1413	3	NV	-20	-18.84	-0.010874	±2.5	PASS
Band4	1413	3	NV	-10	-18.20	-0.010504	±2.5	PASS
Band4	1413	3	NV	0	-18.90	-0.010908	±2.5	PASS
Band4	1413	3	NV	10	-18.81	-0.010857	±2.5	PASS
Band4	1413	3	NV	20	-18.71	-0.010799	±2.5	PASS
Band4	1413	3	NV	30	-19.49	-0.011249	±2.5	PASS
Band4	1413	3	NV	40	-18.65	-0.010764	±2.5	PASS
Band4	1413	3	NV	50	-19.04	-0.010989	±2.5	PASS
Band4	1413	4	NV	-30	-18.61	-0.010741	±2.5	PASS
Band4	1413	4	NV	-20	-18.56	-0.010712	±2.5	PASS
Band4	1413	4	NV	-10	-18.73	-0.010810	±2.5	PASS
Band4	1413	4	NV	0	-19.03	-0.010983	±2.5	PASS
Band4	1413	4	NV	10	-19.02	-0.010978	±2.5	PASS
Band4	1413	4	NV	20	-18.46	-0.010655	±2.5	PASS
Band4	1413	4	NV	30	-18.40	-0.010620	±2.5	PASS
Band4	1413	4	NV	40	-19.03	-0.010983	±2.5	PASS
Band4	1413	4	NV	50	-19.21	-0.011087	±2.5	PASS
Band4	1413	5	NV	-30	-18.09	-0.010441	±2.5	PASS
Band4	1413	5	NV	-20	-18.67	-0.010776	±2.5	PASS
Band4	1413	5	NV	-10	-18.09	-0.010441	±2.5	PASS
Band4	1413	5	NV	0	-18.82	-0.010862	±2.5	PASS
Band4	1413	5	NV	10	-18.30	-0.010562	±2.5	PASS
Band4	1413	5	NV	20	-18.78	-0.010839	±2.5	PASS
Band4	1413	5	NV	30	-18.95	-0.010937	±2.5	PASS
Band4	1413	5	NV	40	-17.92	-0.010343	±2.5	PASS
Band4	1413	5	NV	50	-18.47	-0.010660	±2.5	PASS
Band4	1513	1	NV	-30	-18.65	-0.010641	±2.5	PASS
Band4	1513	1	NV	-20	-17.62	-0.010054	±2.5	PASS

Band4	1513	1	NV	-10	-18.60	-0.010613	±2.5	PASS
Band4	1513	1	NV	0	-18.27	-0.010425	±2.5	PASS
Band4	1513	1	NV	10	-19.02	-0.010852	±2.5	PASS
Band4	1513	1	NV	20	-19.05	-0.010870	±2.5	PASS
Band4	1513	1	NV	30	-18.95	-0.010813	±2.5	PASS
Band4	1513	1	NV	40	-18.48	-0.010544	±2.5	PASS
Band4	1513	1	NV	50	-18.65	-0.010641	±2.5	PASS
Band4	1513	2	NV	-30	-18.10	-0.010328	±2.5	PASS
Band4	1513	2	NV	-20	-18.79	-0.010721	±2.5	PASS
Band4	1513	2	NV	-10	-18.50	-0.010556	±2.5	PASS
Band4	1513	2	NV	0	-19.15	-0.010927	±2.5	PASS
Band4	1513	2	NV	10	-18.83	-0.010744	±2.5	PASS
Band4	1513	2	NV	20	-18.32	-0.010453	±2.5	PASS
Band4	1513	2	NV	30	-18.88	-0.010773	±2.5	PASS
Band4	1513	2	NV	40	-18.60	-0.010613	±2.5	PASS
Band4	1513	2	NV	50	-18.68	-0.010658	±2.5	PASS
Band4	1513	3	NV	-30	-18.05	-0.010299	±2.5	PASS
Band4	1513	3	NV	-20	-18.31	-0.010447	±2.5	PASS
Band4	1513	3	NV	-10	-19.02	-0.010852	±2.5	PASS
Band4	1513	3	NV	0	-18.06	-0.010305	±2.5	PASS
Band4	1513	3	NV	10	-19.15	-0.010927	±2.5	PASS
Band4	1513	3	NV	20	-18.85	-0.010755	±2.5	PASS
Band4	1513	3	NV	30	-18.98	-0.010830	±2.5	PASS
Band4	1513	3	NV	40	-18.02	-0.010282	±2.5	PASS
Band4	1513	3	NV	50	-18.25	-0.010413	±2.5	PASS
Band4	1513	4	NV	-30	-18.05	-0.010299	±2.5	PASS
Band4	1513	4	NV	-20	-18.67	-0.010653	±2.5	PASS
Band4	1513	4	NV	-10	-18.36	-0.010476	±2.5	PASS
Band4	1513	4	NV	0	-18.48	-0.010544	±2.5	PASS
Band4	1513	4	NV	10	-18.65	-0.010641	±2.5	PASS
Band4	1513	4	NV	20	-19.30	-0.011012	±2.5	PASS
Band4	1513	4	NV	30	-18.78	-0.010716	±2.5	PASS
Band4	1513	4	NV	40	-18.07	-0.010310	±2.5	PASS
Band4	1513	4	NV	50	-18.34	-0.010464	±2.5	PASS
Band4	1513	5	NV	-30	-18.37	-0.010482	±2.5	PASS
Band4	1513	5	NV	-20	-18.06	-0.010305	±2.5	PASS

Band4	1513	5	NV	-10	-18.50	-0.010556	±2.5	PASS
Band4	1513	5	NV	0	-18.17	-0.010367	±2.5	PASS
Band4	1513	5	NV	10	-18.45	-0.010527	±2.5	PASS
Band4	1513	5	NV	20	-18.73	-0.010687	±2.5	PASS
Band4	1513	5	NV	30	-18.26	-0.010419	±2.5	PASS
Band4	1513	5	NV	40	-18.50	-0.010556	±2.5	PASS
Band4	1513	5	NV	50	-18.52	-0.010567	±2.5	PASS

