

# 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

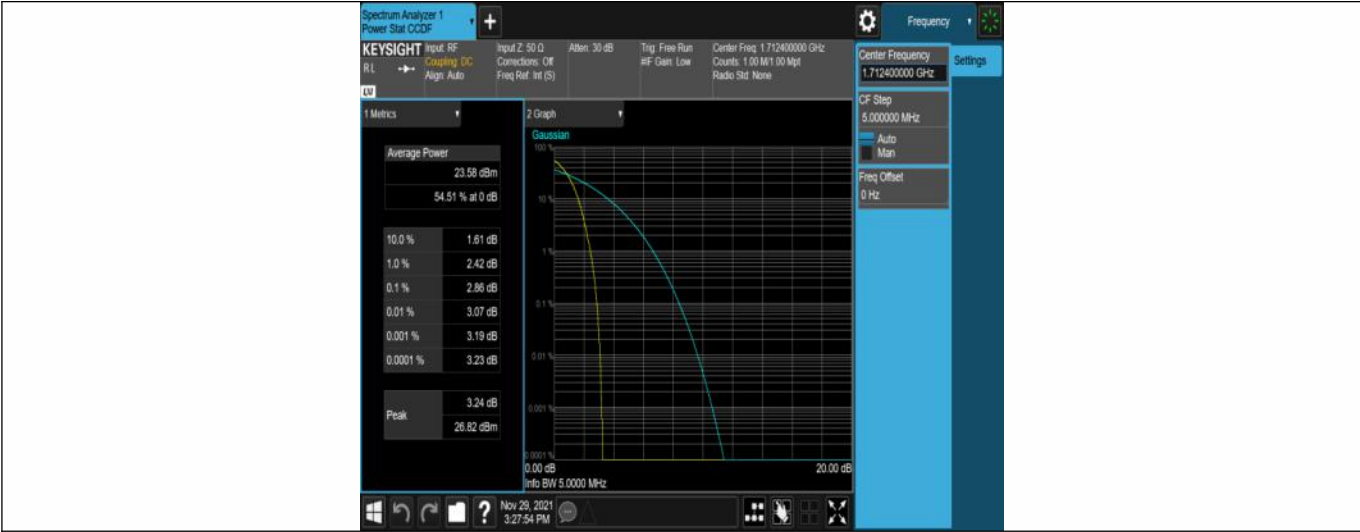
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.04	13	PASS
Band4	1312	2	3.51	13	PASS
Band4	1312	3	3.72	13	PASS
Band4	1312	4	3.76	13	PASS
Band4	1413	1	2.82	13	PASS
Band4	1413	2	3.36	13	PASS
Band4	1413	3	3.58	13	PASS
Band4	1413	4	3.62	13	PASS
Band4	1513	1	3.11	13	PASS
Band4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

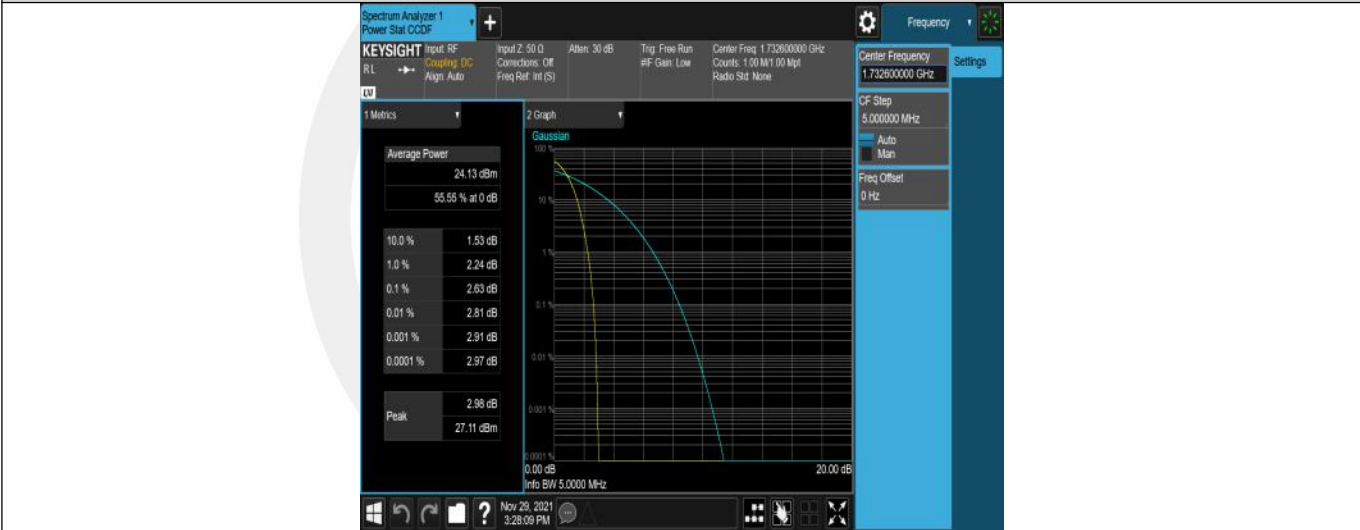
Band4	1513	2	5.37	13	PASS
Band4	1513	3	4.92	13	PASS
Band4	1513	4	5.37	13	PASS
Band4	1513	5	4.54	13	PASS



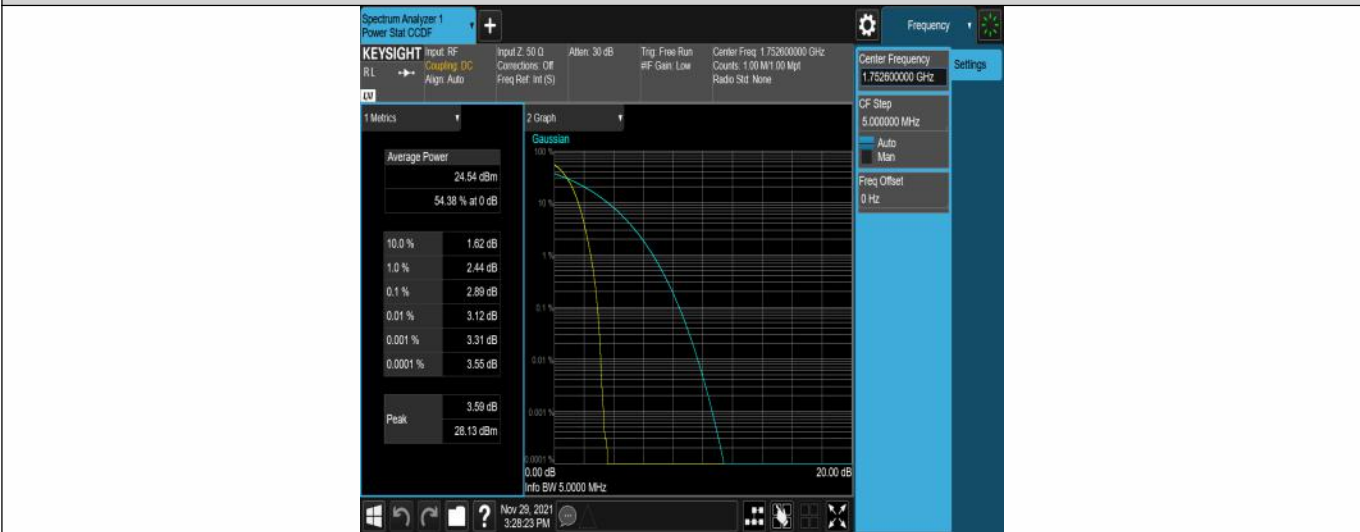
### Test Graphs



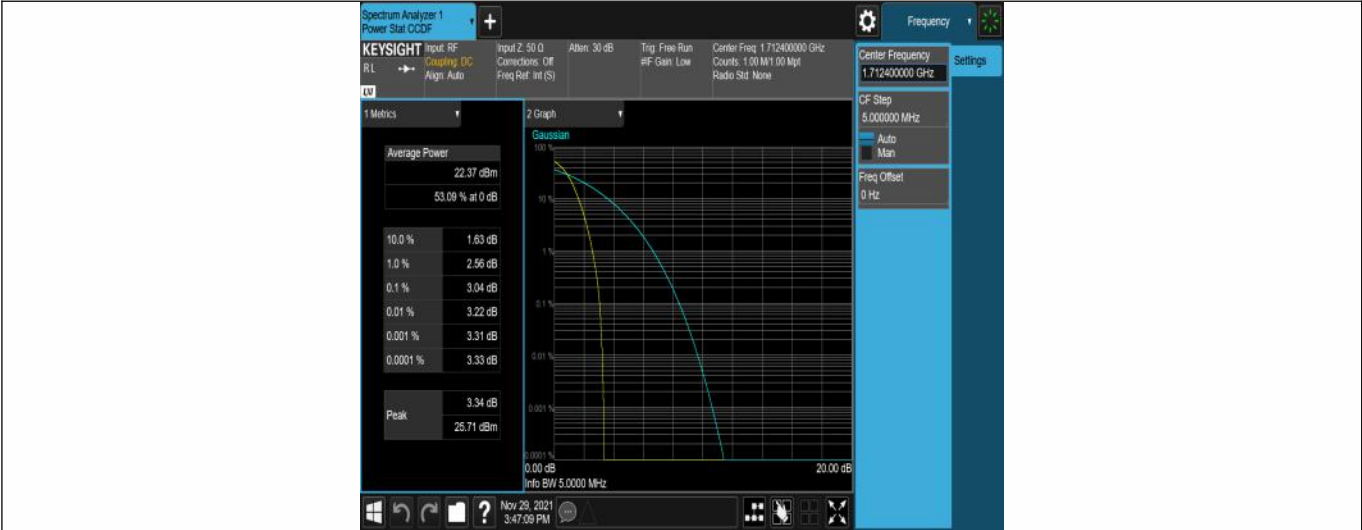
Band4-1312



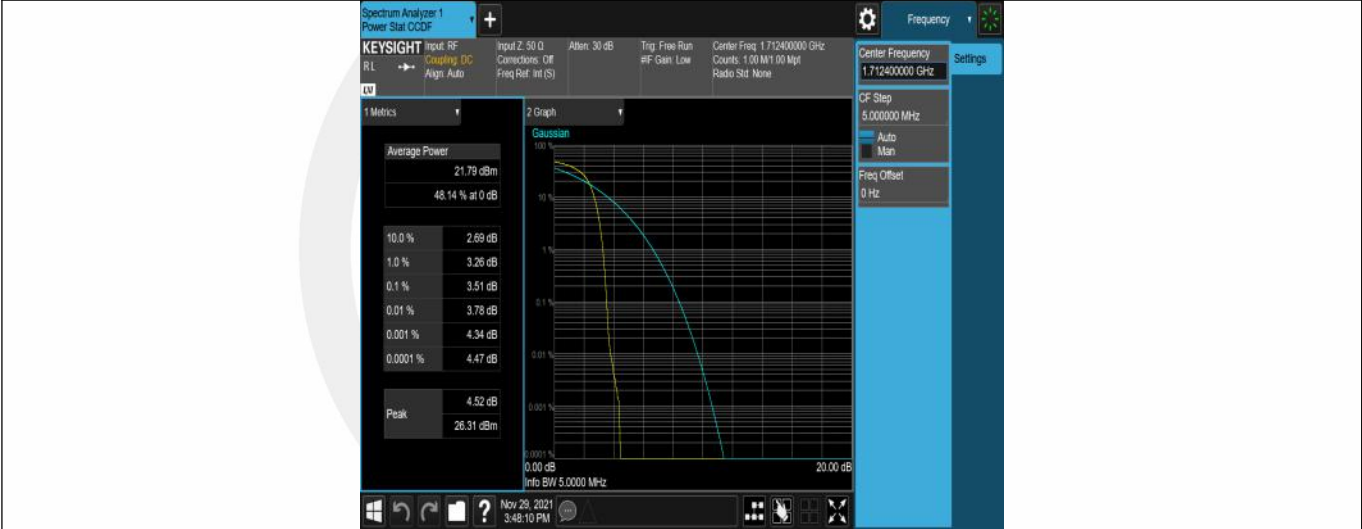
Band4-1413



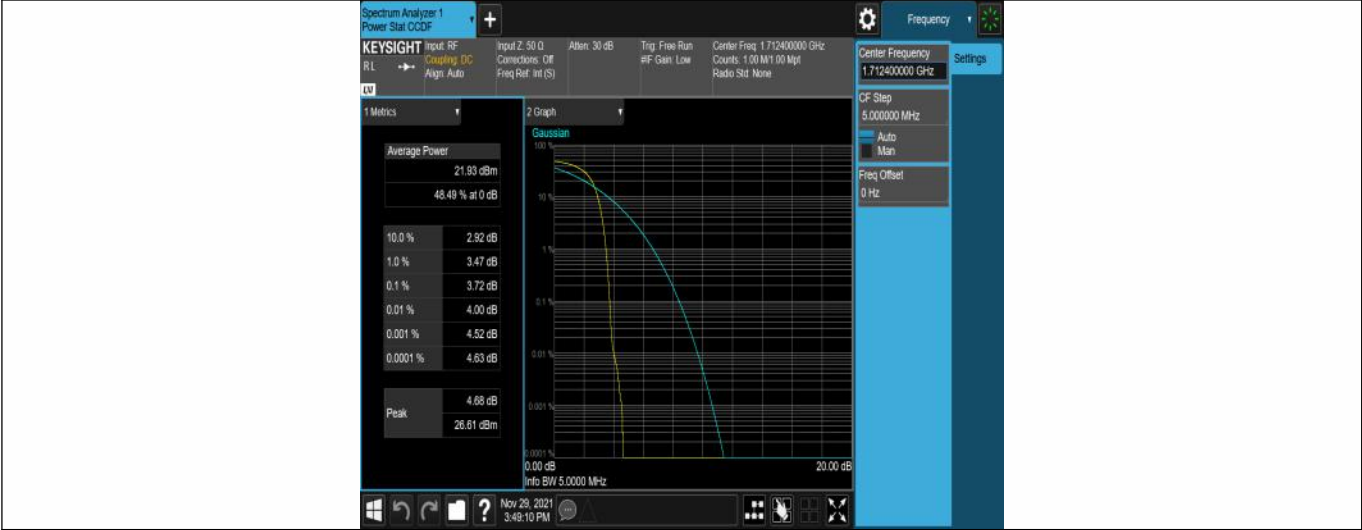
Band4-1513



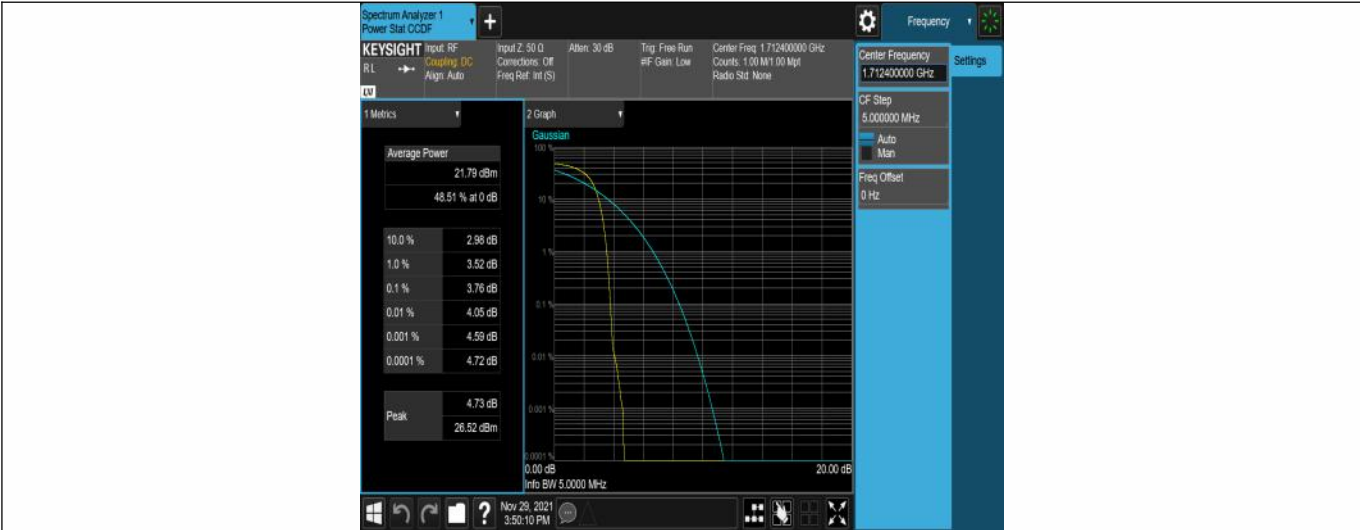
Band4-1312-1



Band4-1312-2



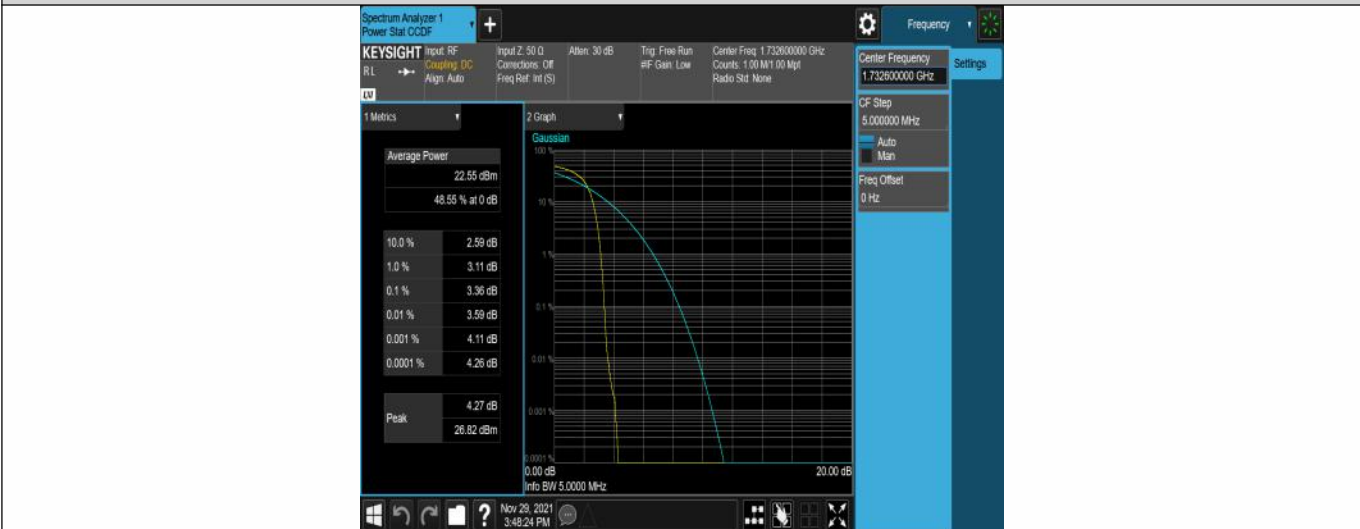
Band4-1312-3



Band4-1312-4

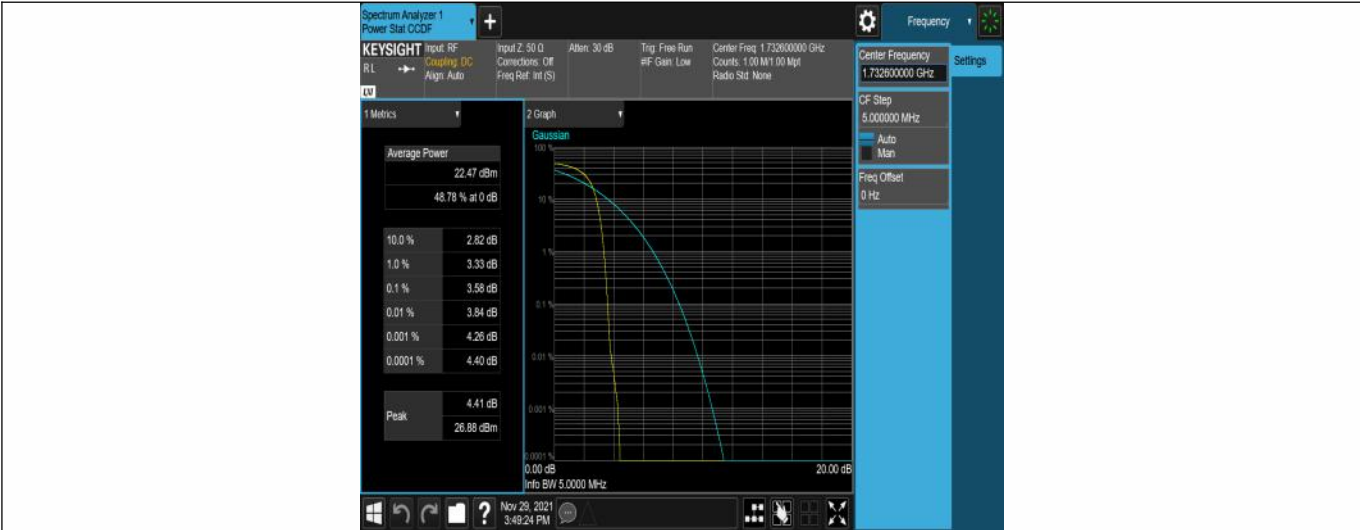


Band4-1413-1

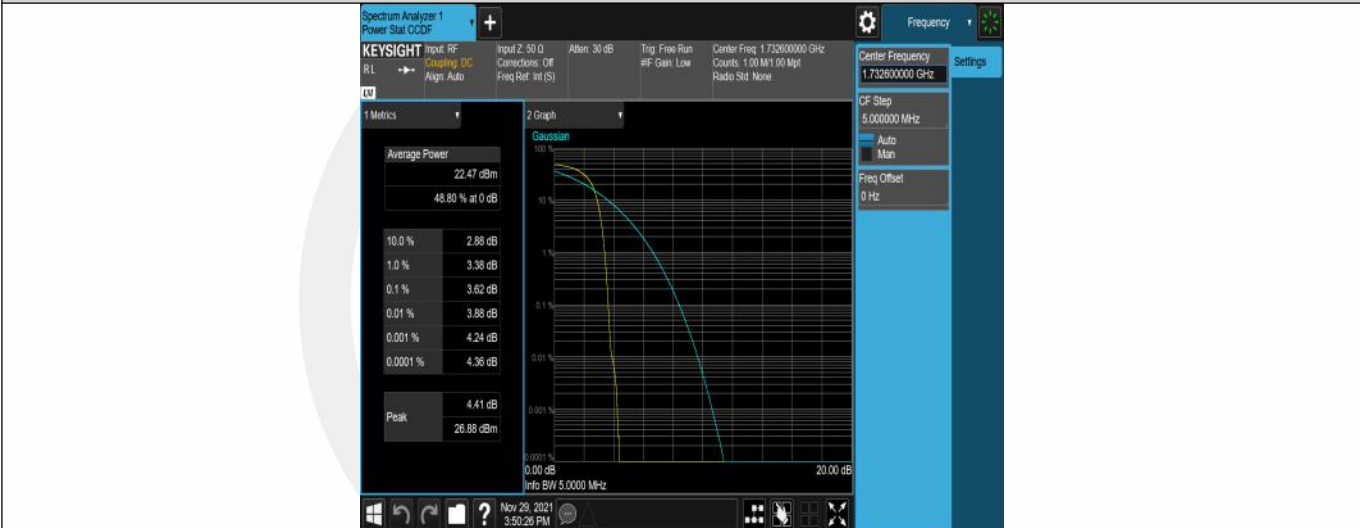


Band4-1413-2

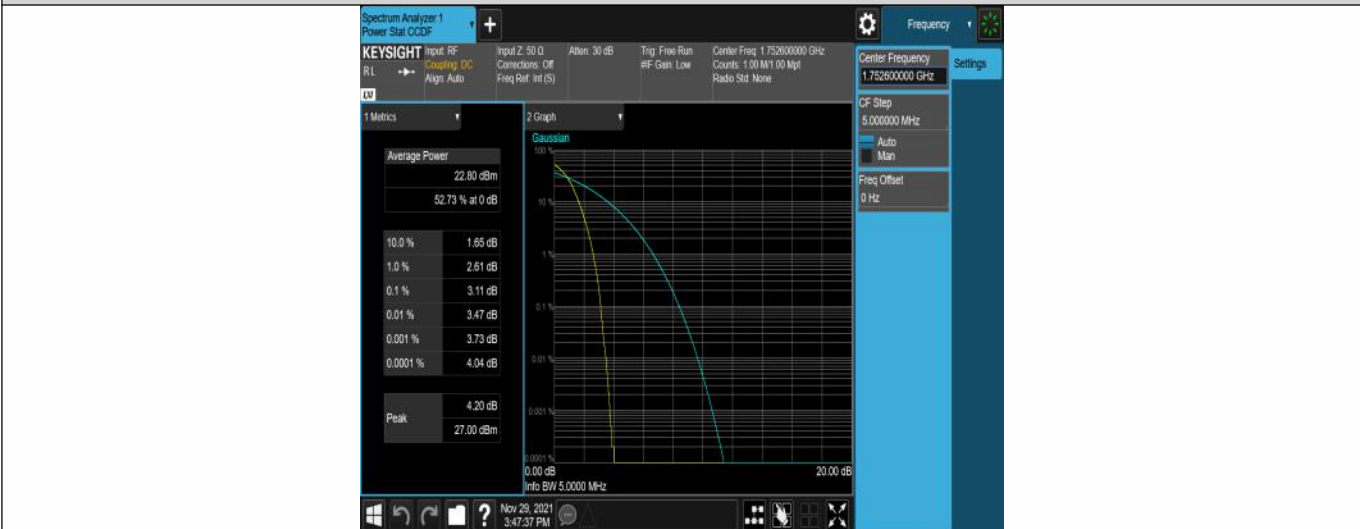




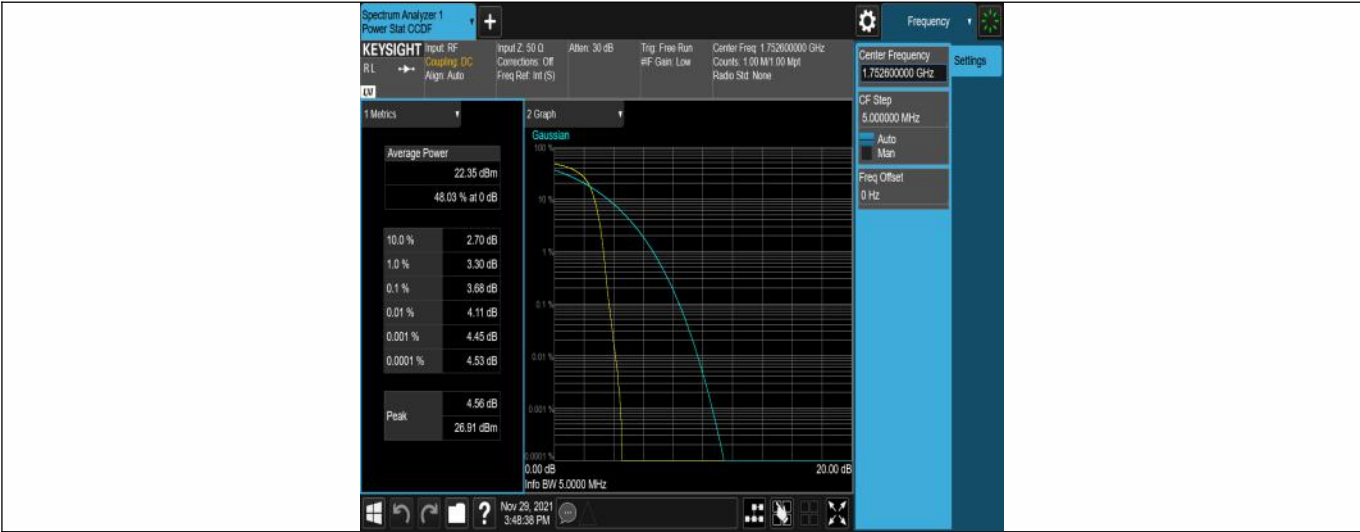
Band4-1413-3



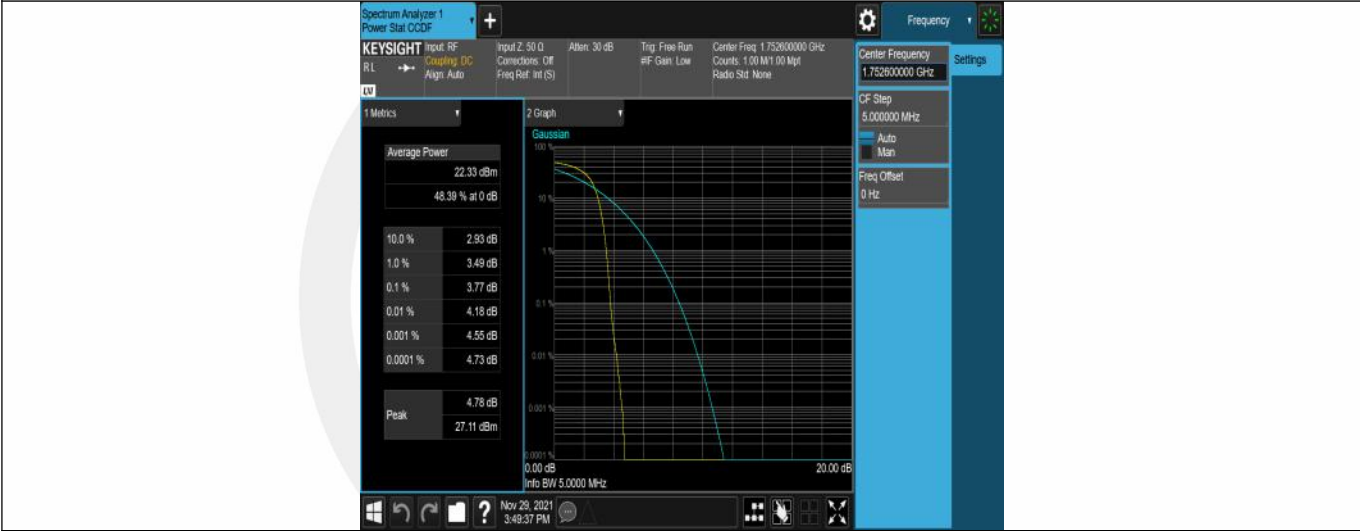
Band4-1413-4



Band4-1513-1



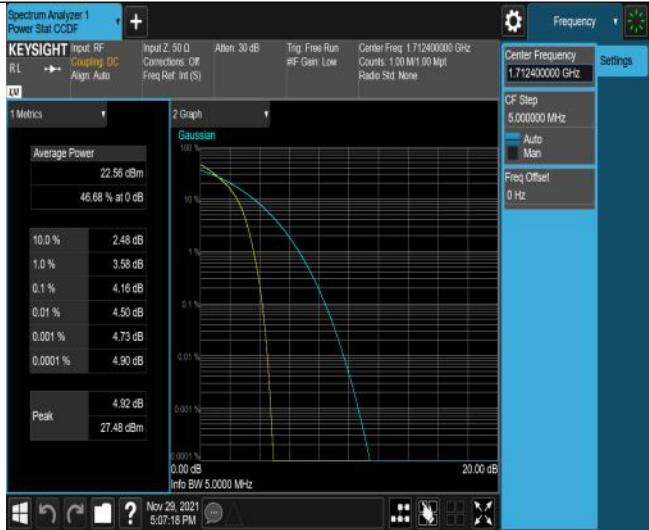
Band4-1513-2



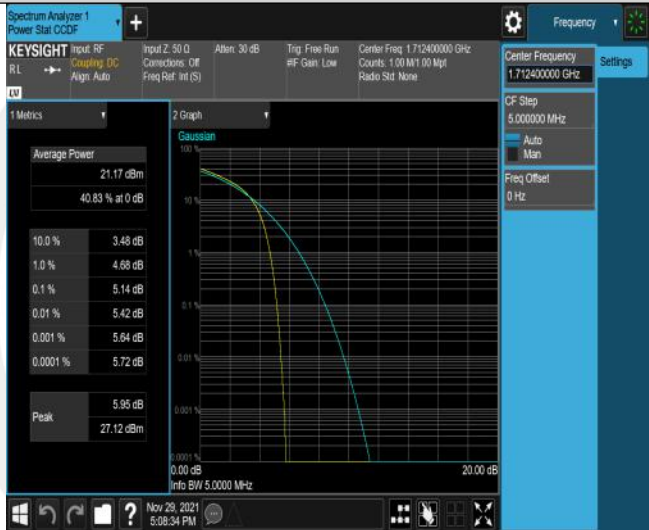
Band4-1513-3



Band4-1513-4



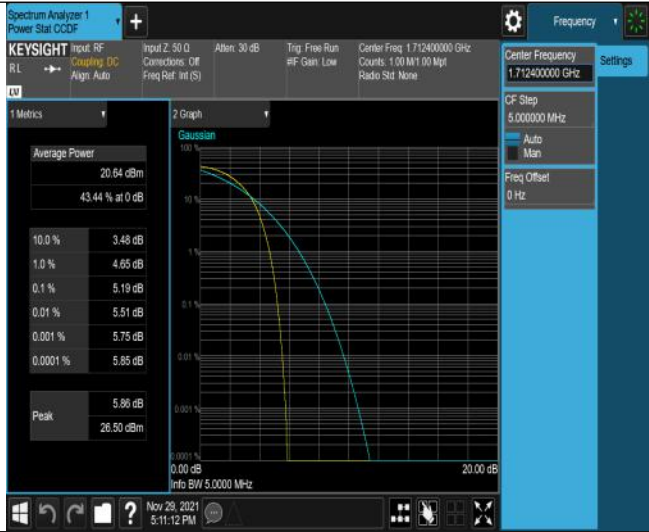
Band4-1312-1



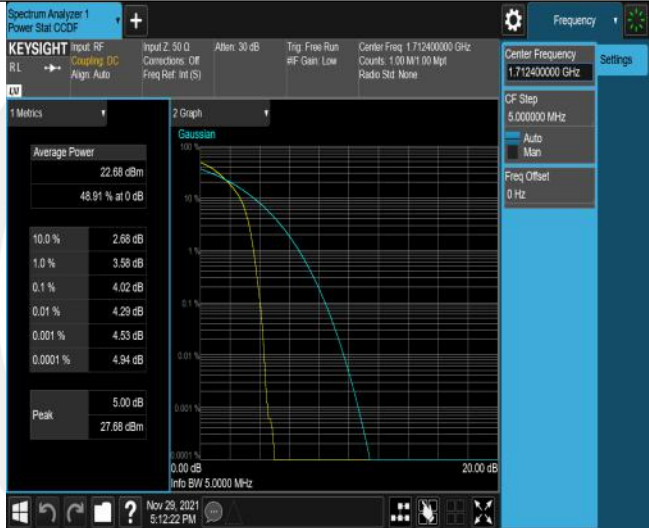
Band4-1312-2



Band4-1312-3



Band4-1312-4



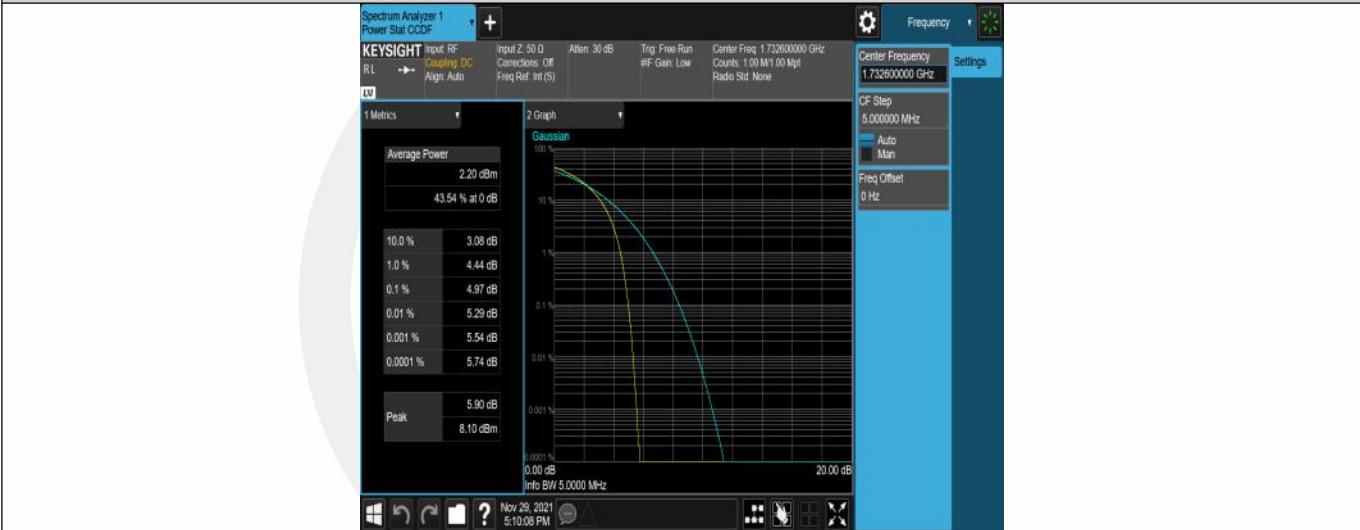
Band4-1312-5



Band4-1413-1



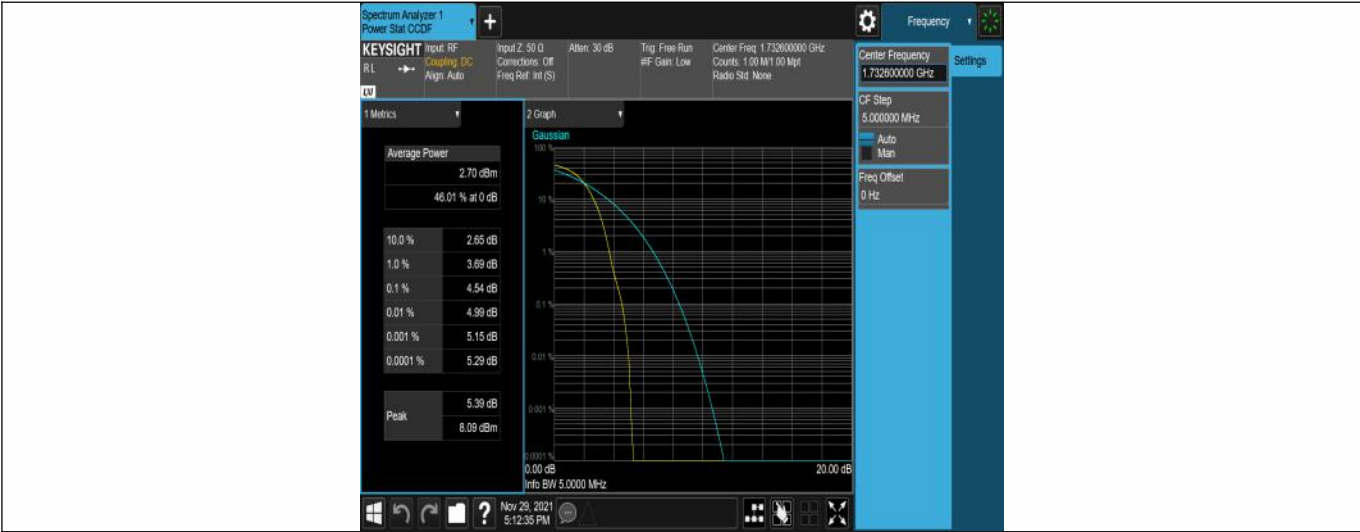
Band4-1413-2



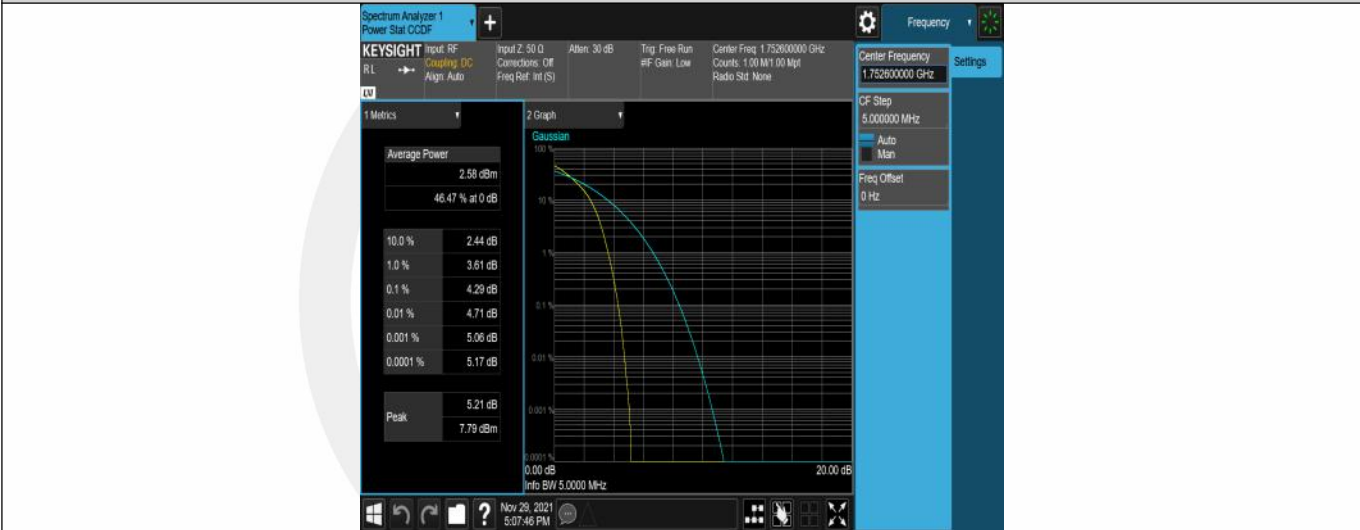
Band4-1413-3



Band4-1413-4



Band4-1413-5



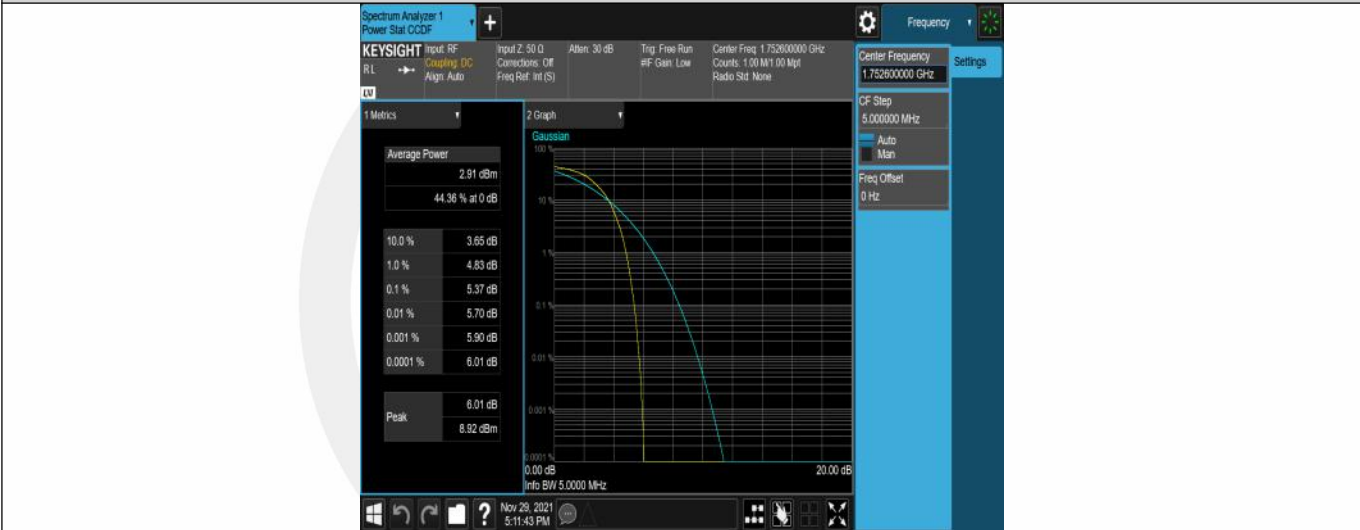
Band4-1513-1



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



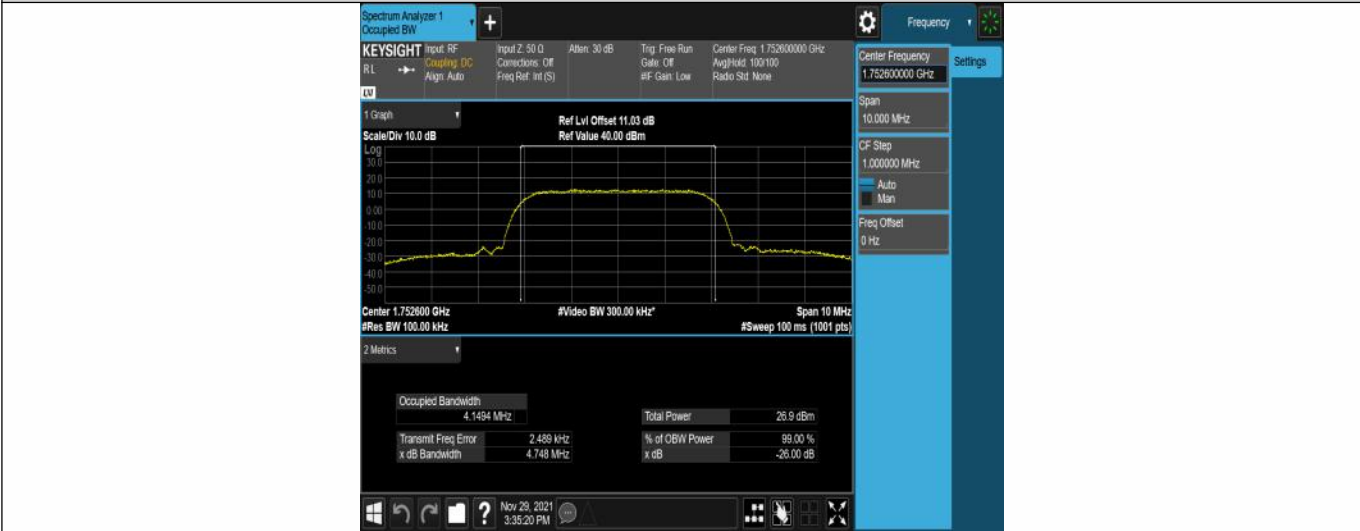
### Test Graphs



Band4-1312-4.726



Band4-1413-4.766



Band4-1513-4.748



Band4-1312-1-4.716



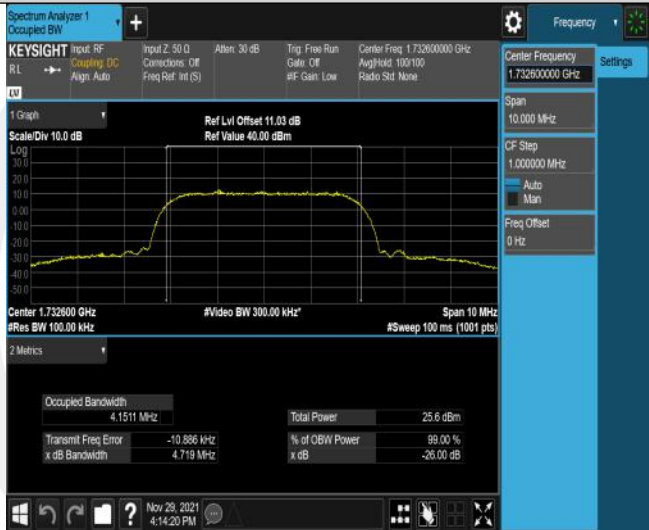
Band4-1312-2-4.708



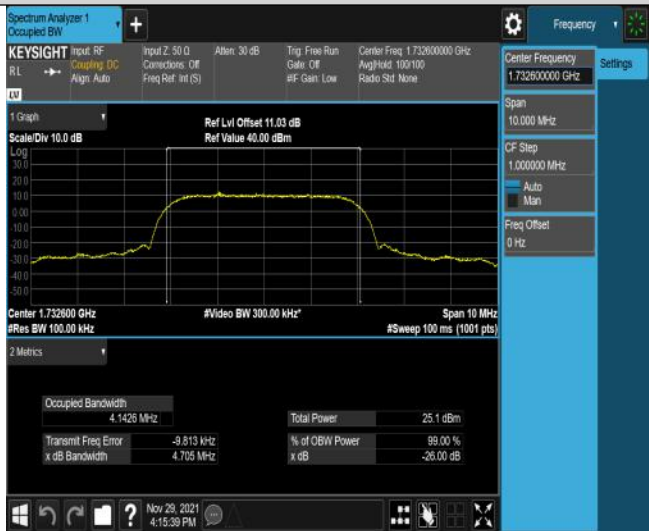
Band4-1312-3-4.706



Band4-1312-4-7.08



Band4-1413-1-4.719



Band4-1413-2-4.705



Band4-1413-3-4.695



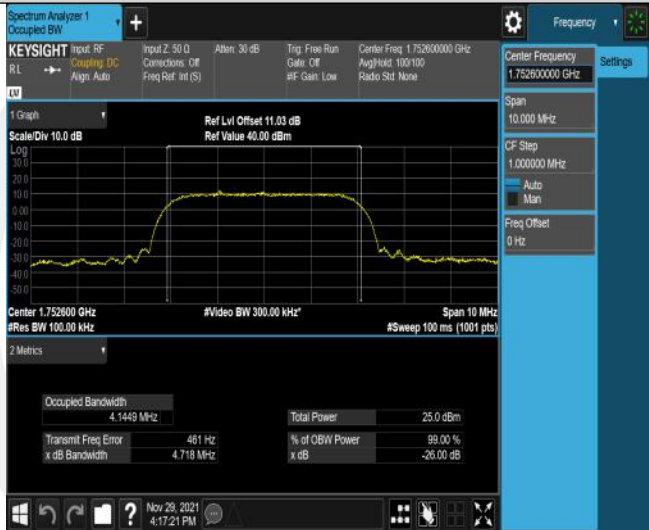
Band4-1413-4-4.703



Band4-1513-1-4.712



Band4-1513-2-4.723



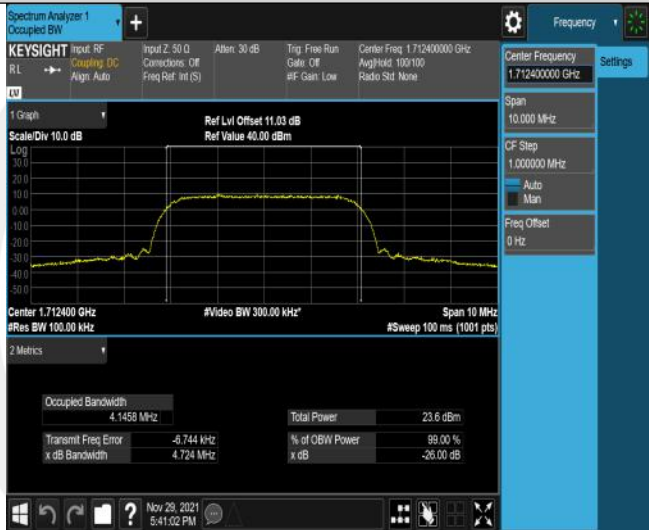
Band4-1513-3-4.718



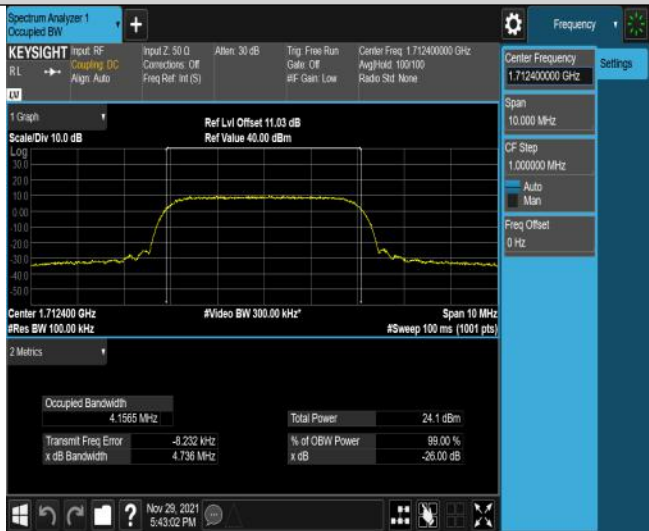
Band4-1513-4-4.714



Band4-1312-1-4.740



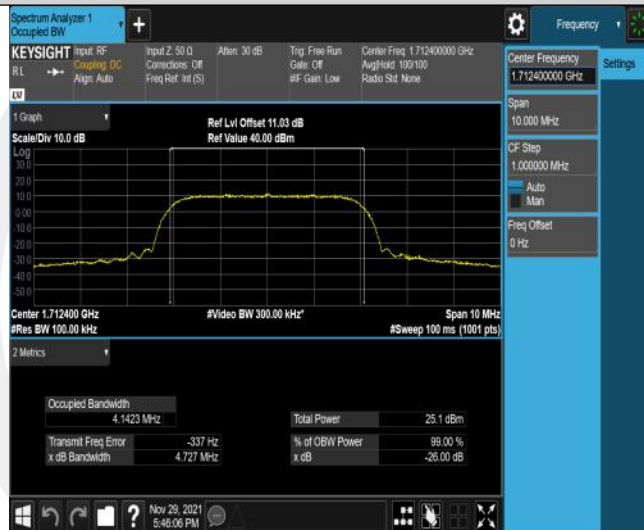
Band4-1312-2-4.724



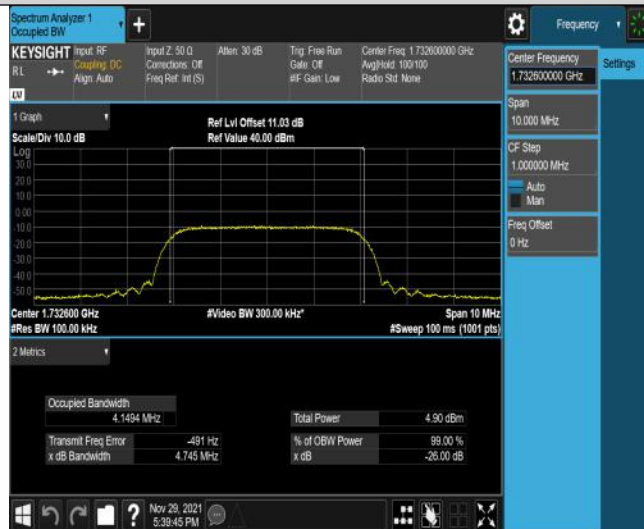
Band4-1312-3-4.736



Band4-1312-4-4.739



Band4-1312-5-4.727

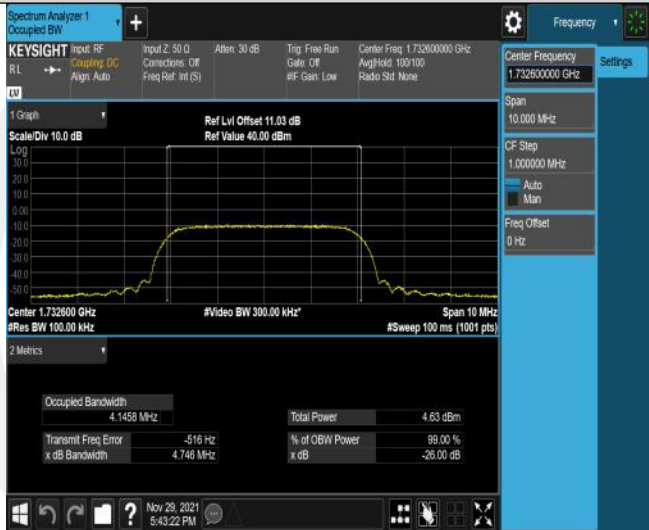


Band4-1413-1-4.745

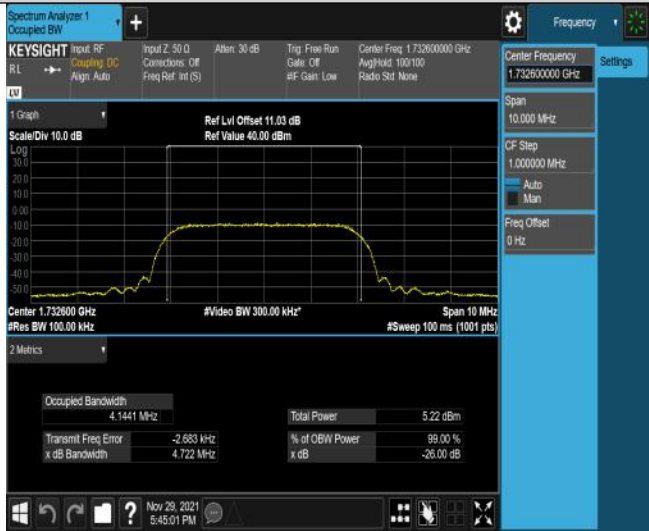




Band4-1413-2-4.725



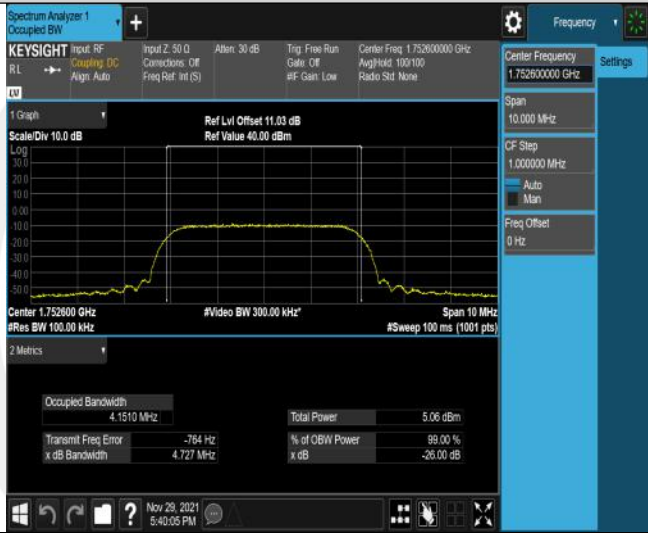
Band4-1413-3-4.746



Band4-1413-4-4.722



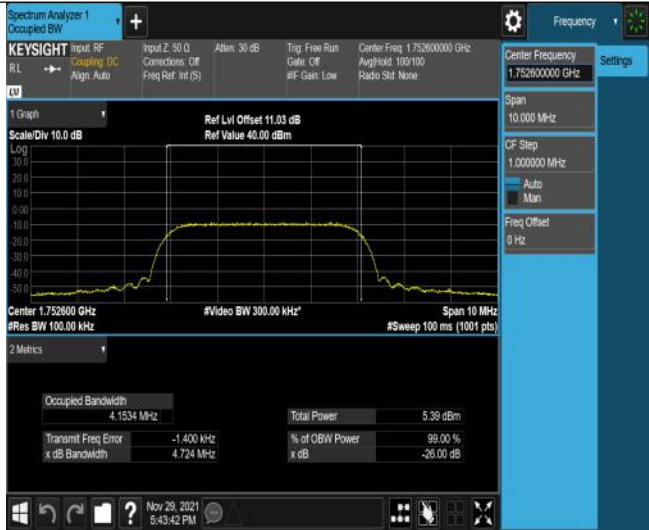
Band4-1413-5-4.733



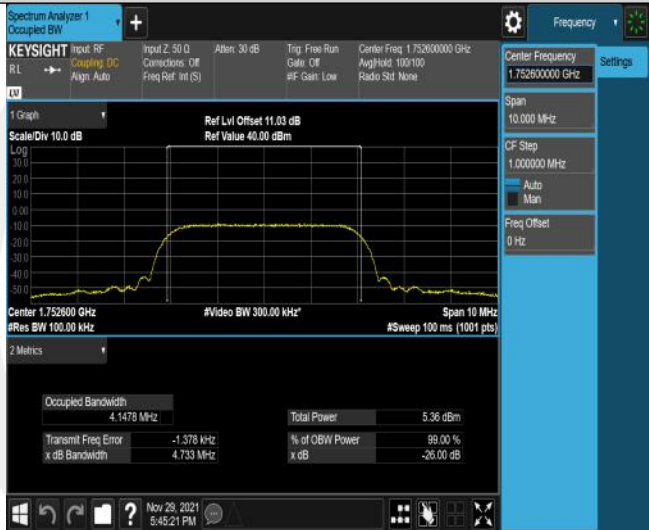
Band4-1513-1-4.727



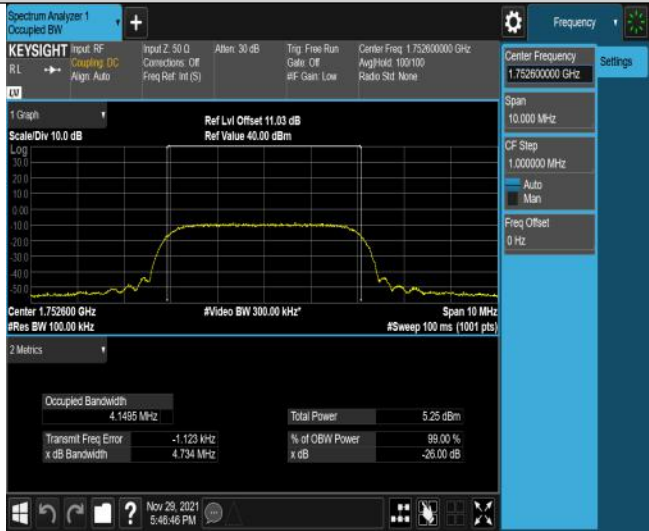
Band4-1513-2-4.722



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



Band4-1513-5

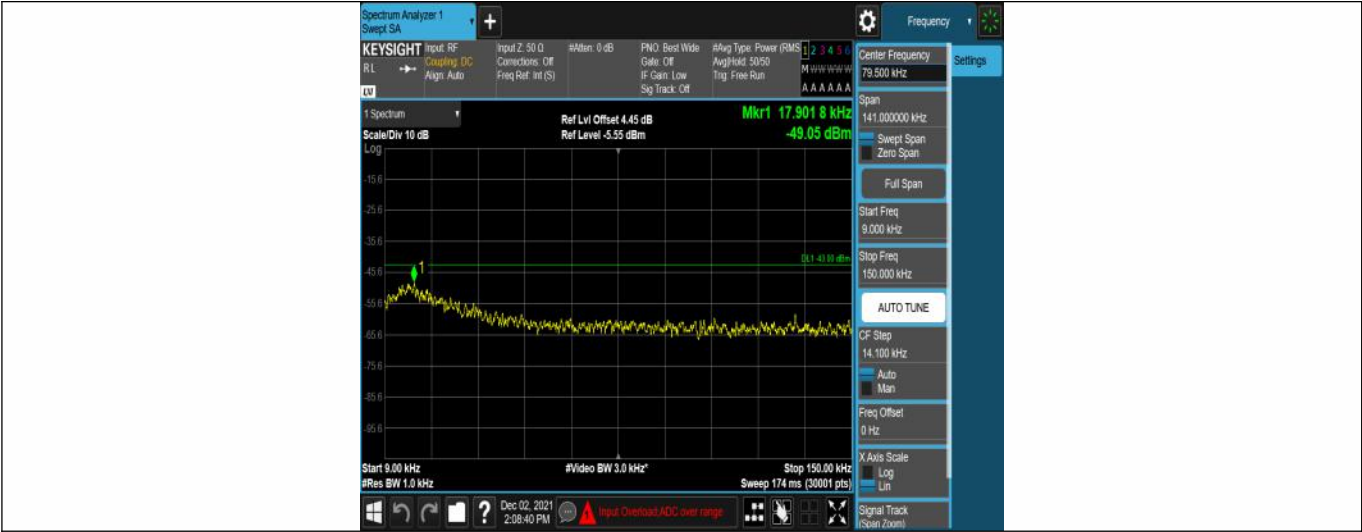


## Appendix E: Conducted Spurious Emission

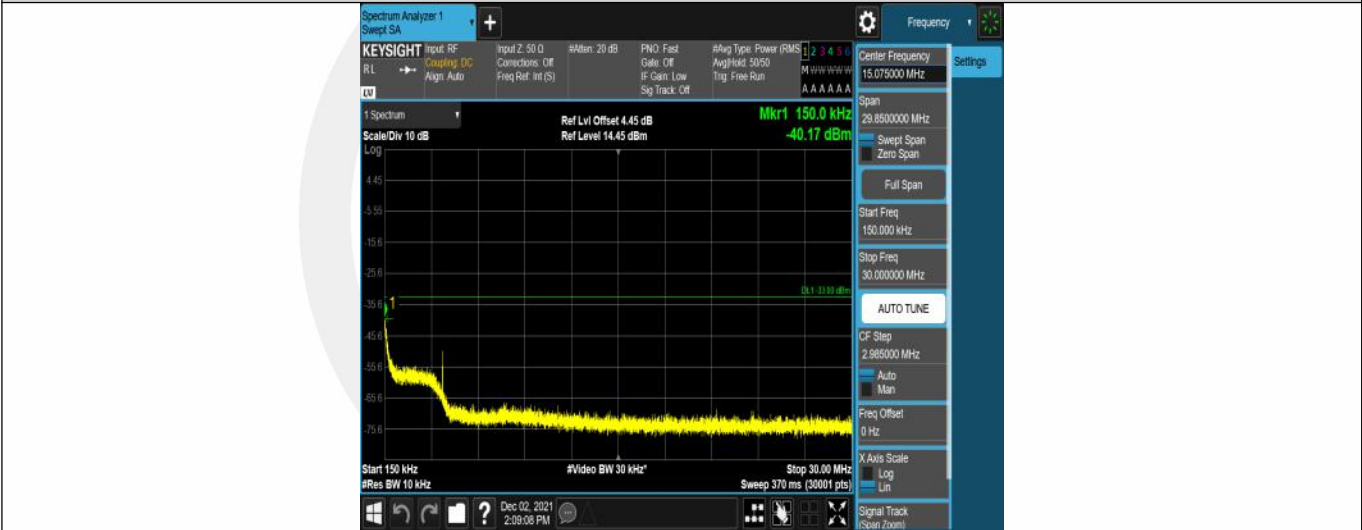
### Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	0.009~0.15MHz	0.02	-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

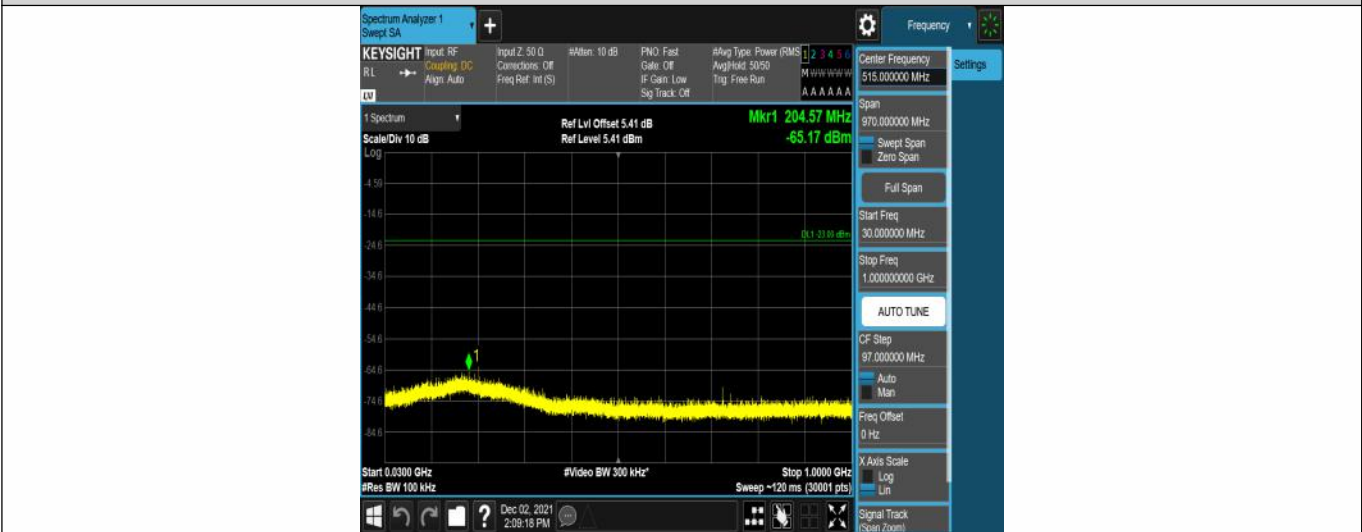
## Test Graphs



Band4-1312-0.009~0.15MHz



Band4-1312-0.15~30MHz



Band4-1312-30~1000MHz



Band4-1312-1000~3000MHz



Band4-1312-3000~10000MHz



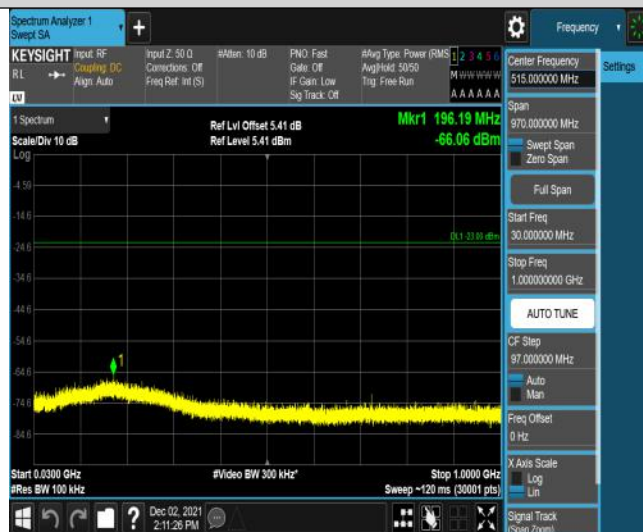
Band4-1312-10000~20000MHz



Band4-1413-0.009~0.15MHz

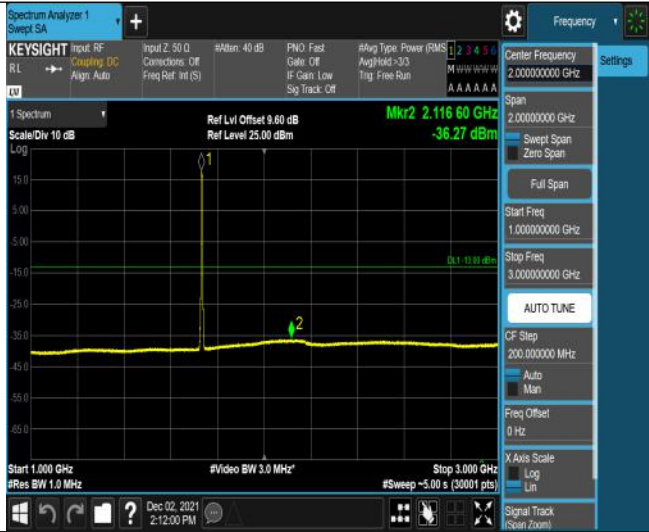


Band4-1413-0.15~30MHz



Band4-1413-30~1000MHz





Band4-1413-1000~3000MHz



Band4-1413-3000~10000MHz



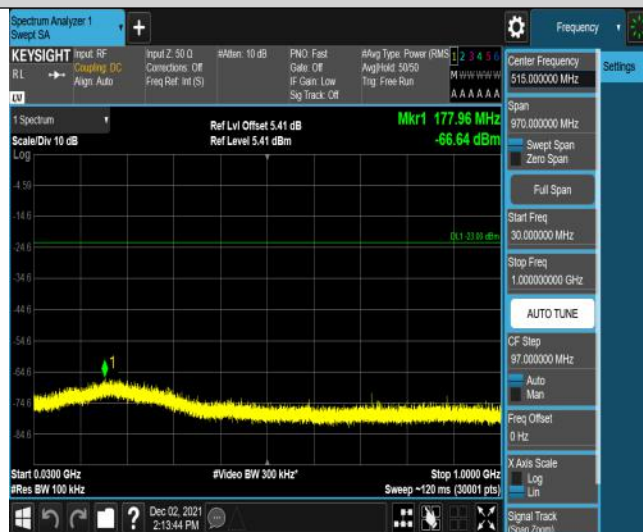
Band4-1413-10000~20000MHz



Band4-1513-0.009~0.15MHz



Band4-1513-0.15~30MHz



Band4-1513-30~1000MHz



Band4-1513-1000~3000MHz



Band4-1513-3000~10000MHz



Band4-1513-10000~20000MHz

## 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

