

WCDMA Band4 Test Data

Project No. : ENS2111040057W00208R

Company: : Micro-Star Int'l Co.,Ltd.

EUT : Tablet

Model Number : MS-ND52-Gen2

Number of Samples : 1

Sample Number : 1#

Tested By : Tracy Hu

Reviewed By : Joe Xia

AppendixA: 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



AppendixB: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

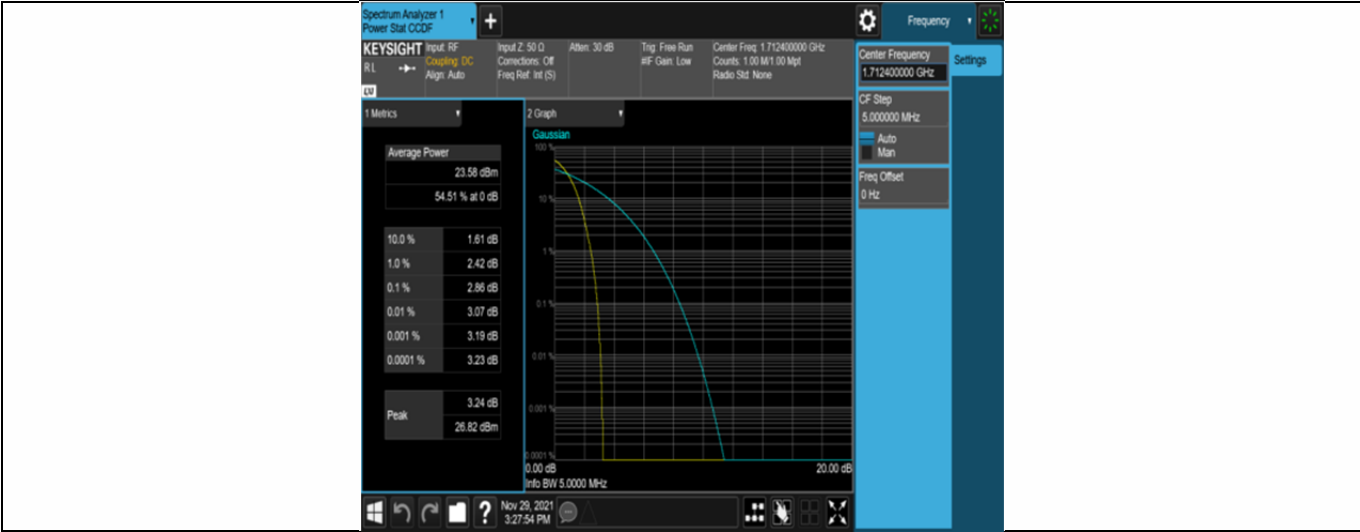
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.04	13	PASS
Band4	1312	2	3.51	13	PASS
Band4	1312	3	3.72	13	PASS
Band4	1312	4	3.76	13	PASS
Band4	1413	1	2.82	13	PASS
Band4	1413	2	3.36	13	PASS
Band4	1413	3	3.58	13	PASS
Band4	1413	4	3.62	13	PASS
Band4	1513	1	3.11	13	PASS
Band4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

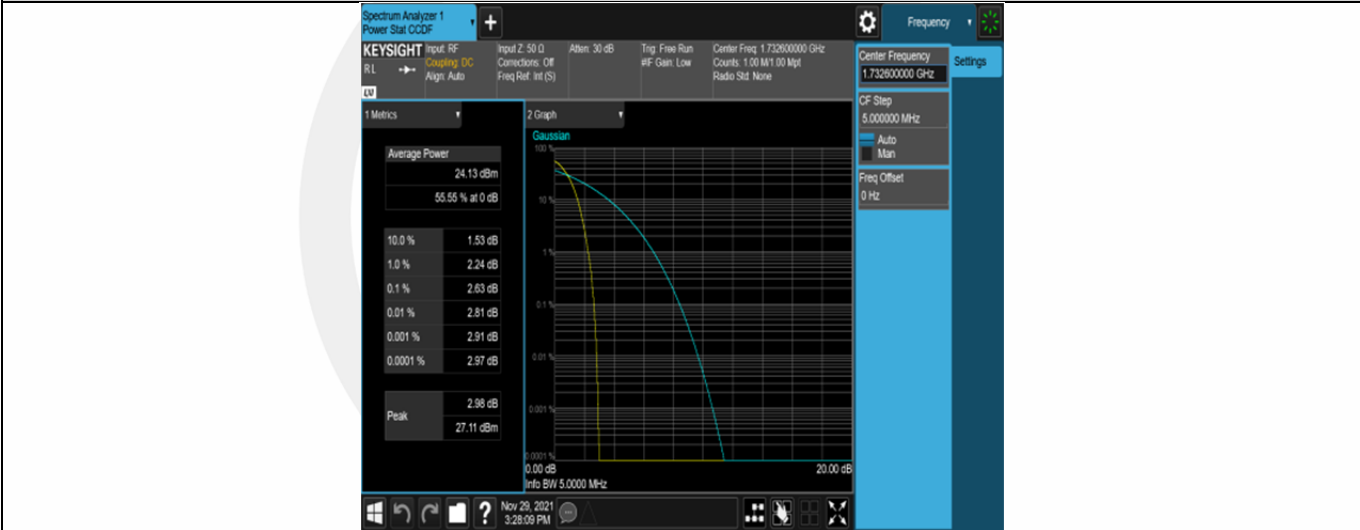
Band4	1513	2	5.37	13	PASS
Band4	1513	3	4.92	13	PASS
Band4	1513	4	5.37	13	PASS
Band4	1513	5	4.54	13	PASS



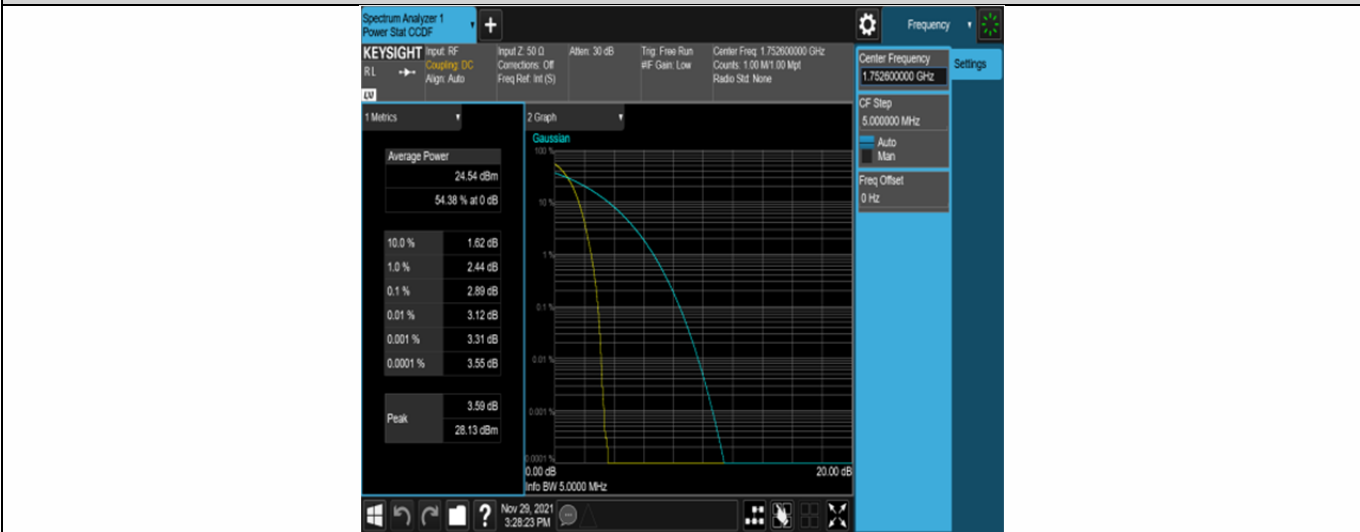
Test Graphs



Band4-1312



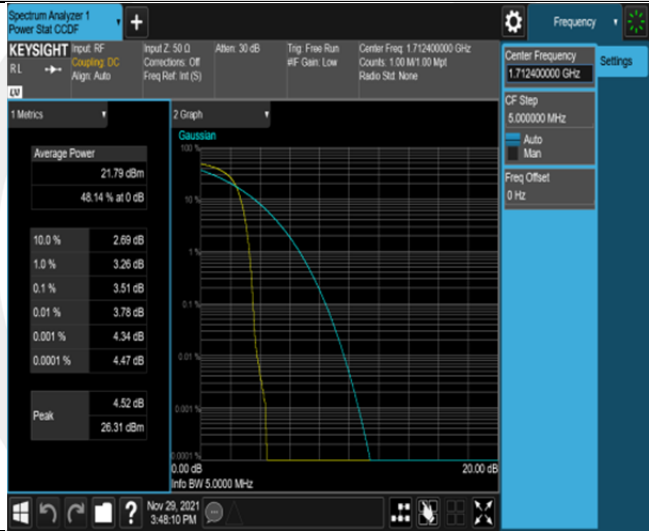
Band4-1413



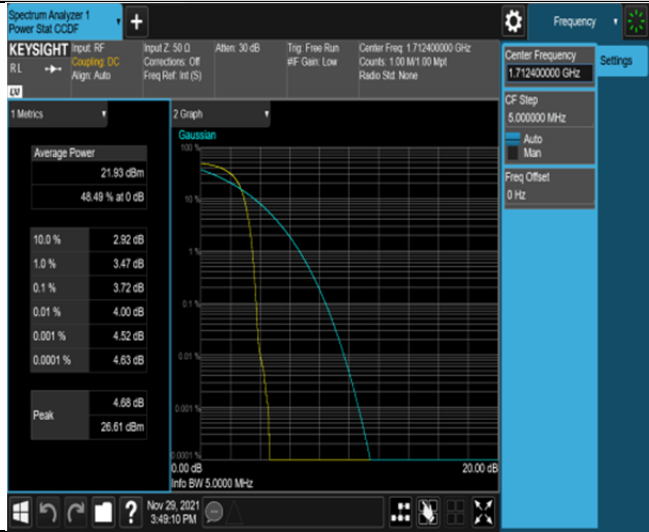
Band4-1513



Band4-1312-1



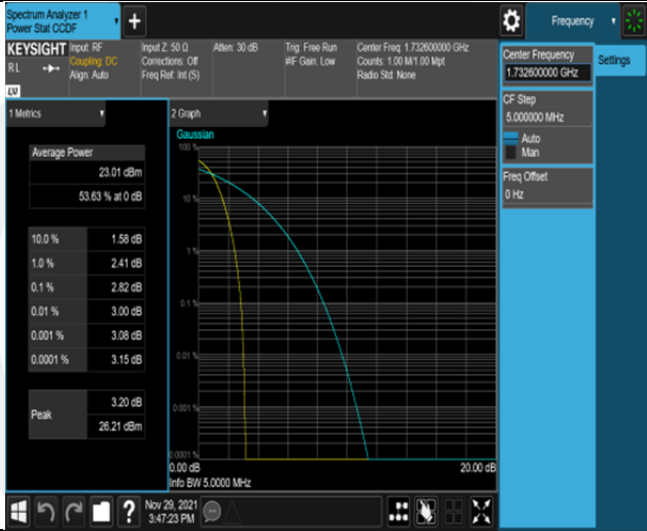
Band4-1312-2



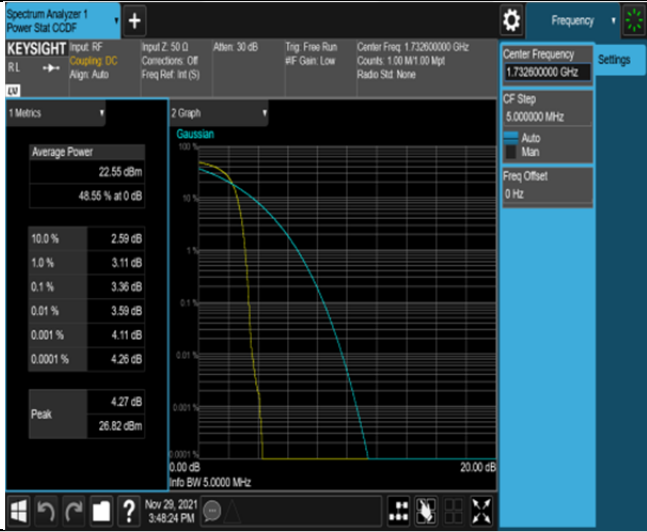
Band4-1312-3



Band4-1312-4



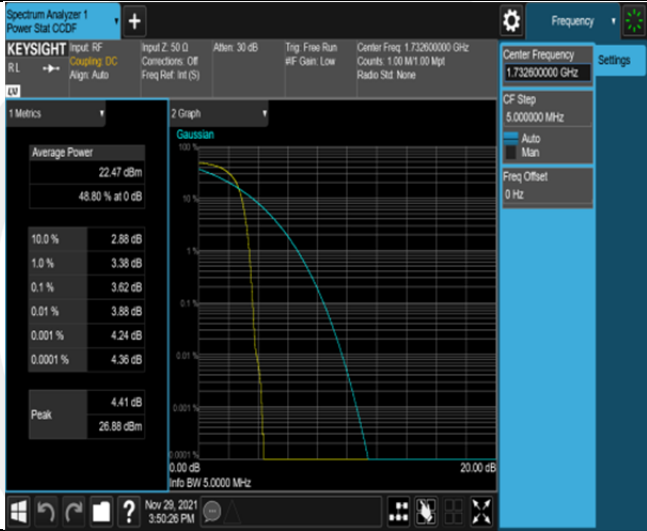
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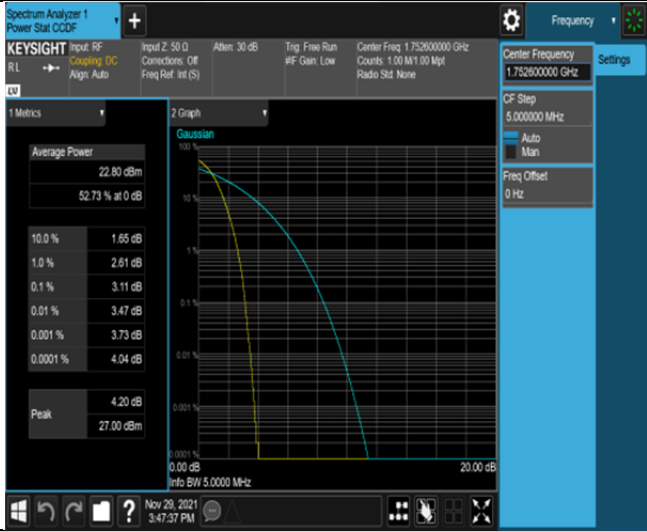
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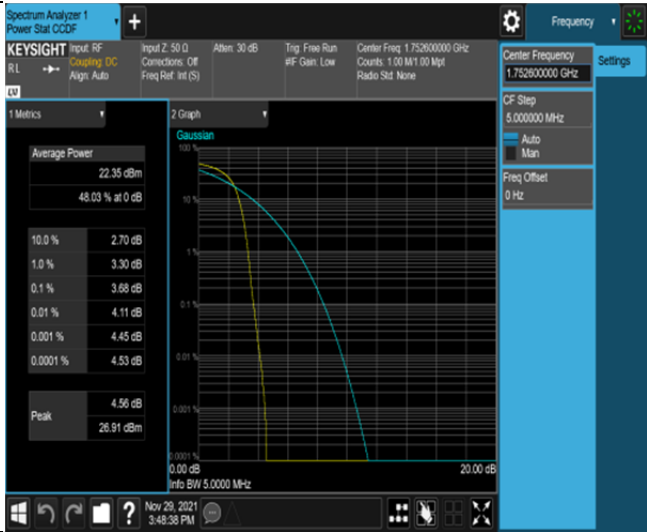
Band4-1413-3



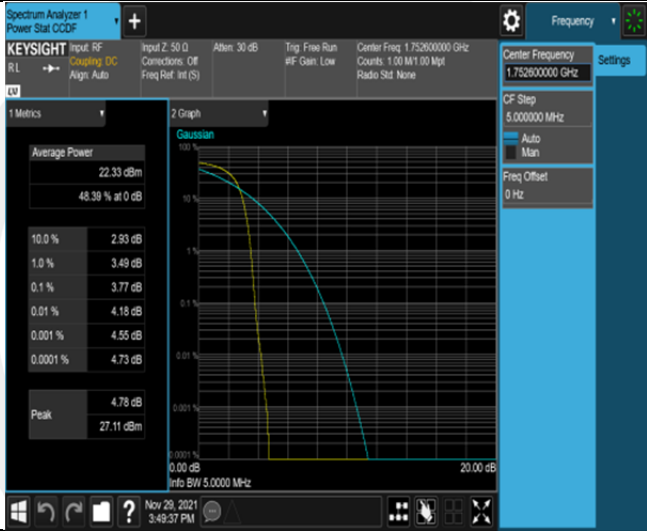
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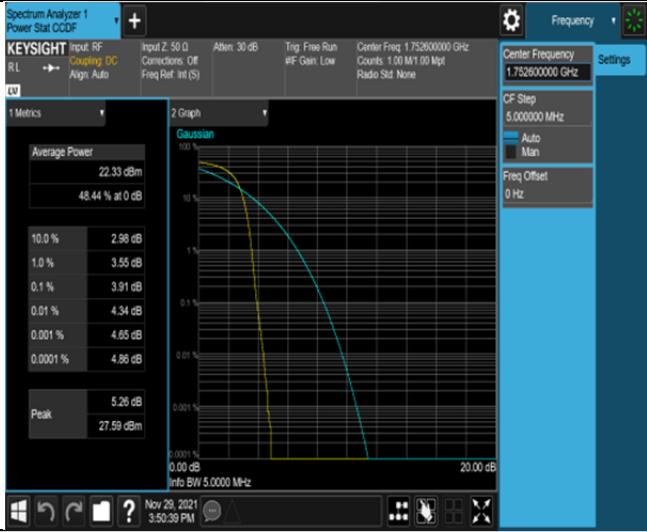
Band4-1513-1



Band4-1513-2



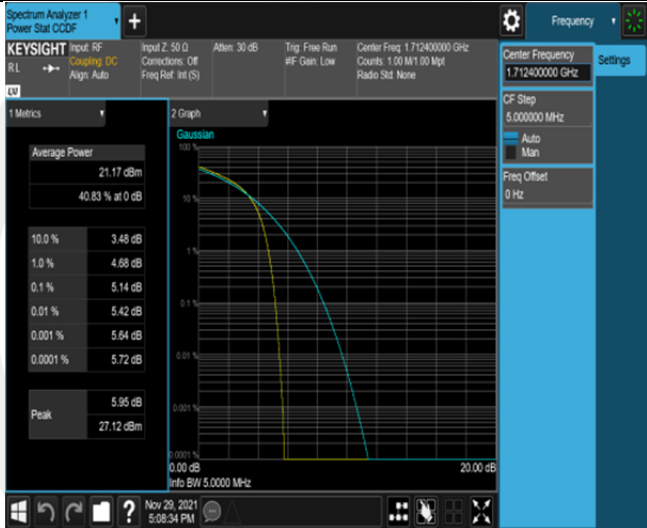
Band4-1513-3



Band4-1513-4



Band4-1312-1



Band4-1312-2



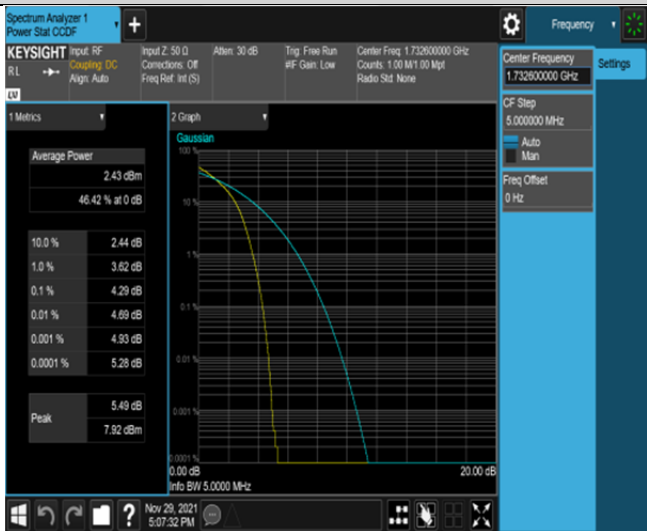
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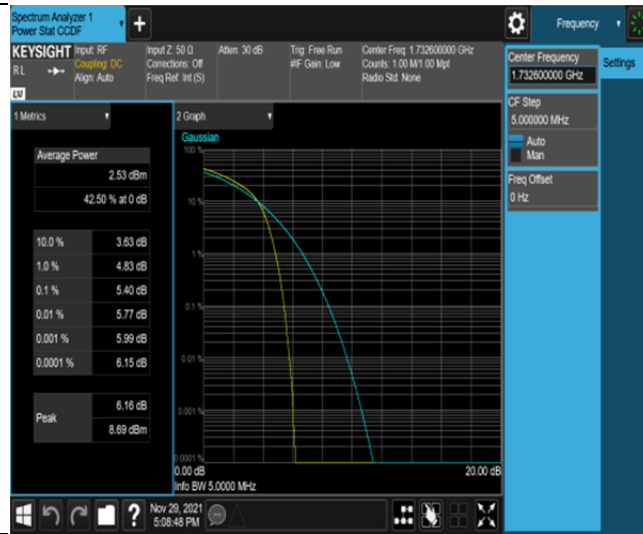
Band4-1312-4



Band4-1312-5



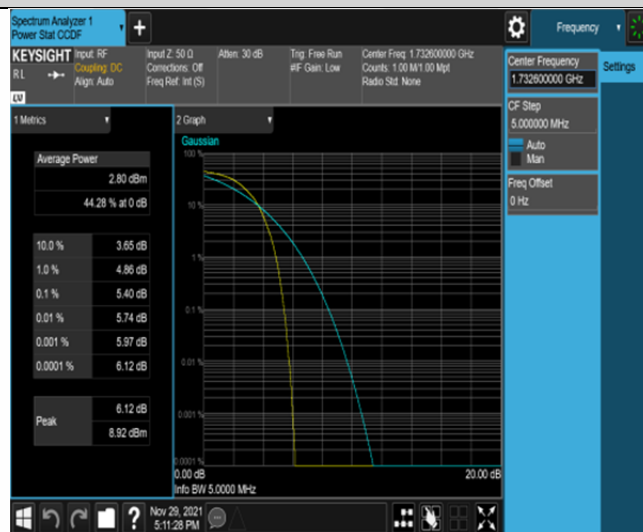
Band4-1413-1



Band4-1413-2



Band4-1413-3



Band4-1413-4



Band4-1413-5



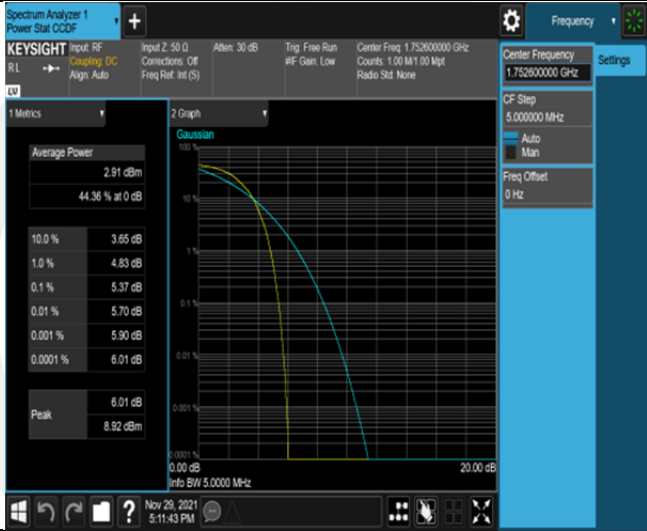
Band4-1513-1



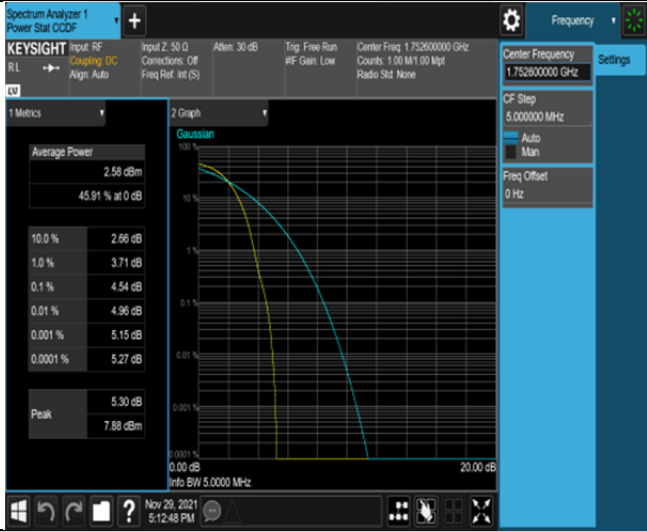
Band4-1513-2



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

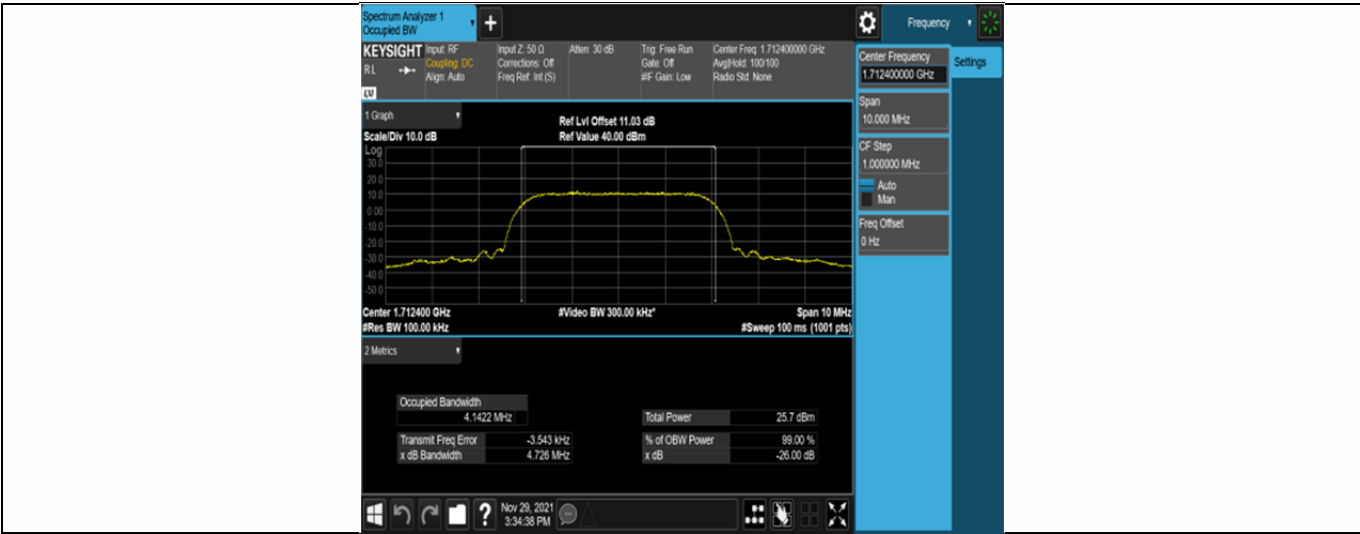
Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.1492	4.716	---	PASS
Band4	1312	2	4.1430	4.708	---	PASS
Band4	1312	3	4.1371	4.706	---	PASS
Band4	1312	4	4.1381	4.708	---	PASS
Band4	1413	1	4.1511	4.719	---	PASS
Band4	1413	2	4.1426	4.705	---	PASS
Band4	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

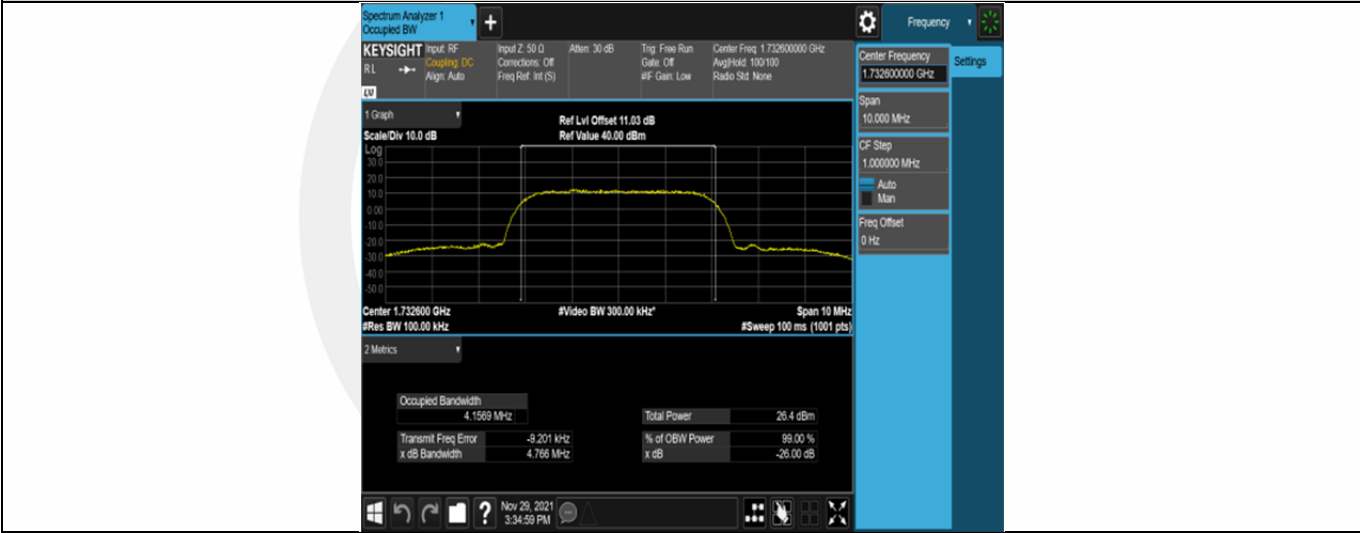
Band4	1413	4	4.1441	4.722	---	PASS
Band4	1413	5	4.1381	4.733	---	PASS
Band4	1513	1	4.1510	4.727	---	PASS
Band4	1513	2	4.1530	4.722	---	PASS
Band4	1513	3	4.1534	4.724	---	PASS
Band4	1513	4	4.1478	4.733	---	PASS
Band4	1513	5	4.1495	4.734	---	PASS



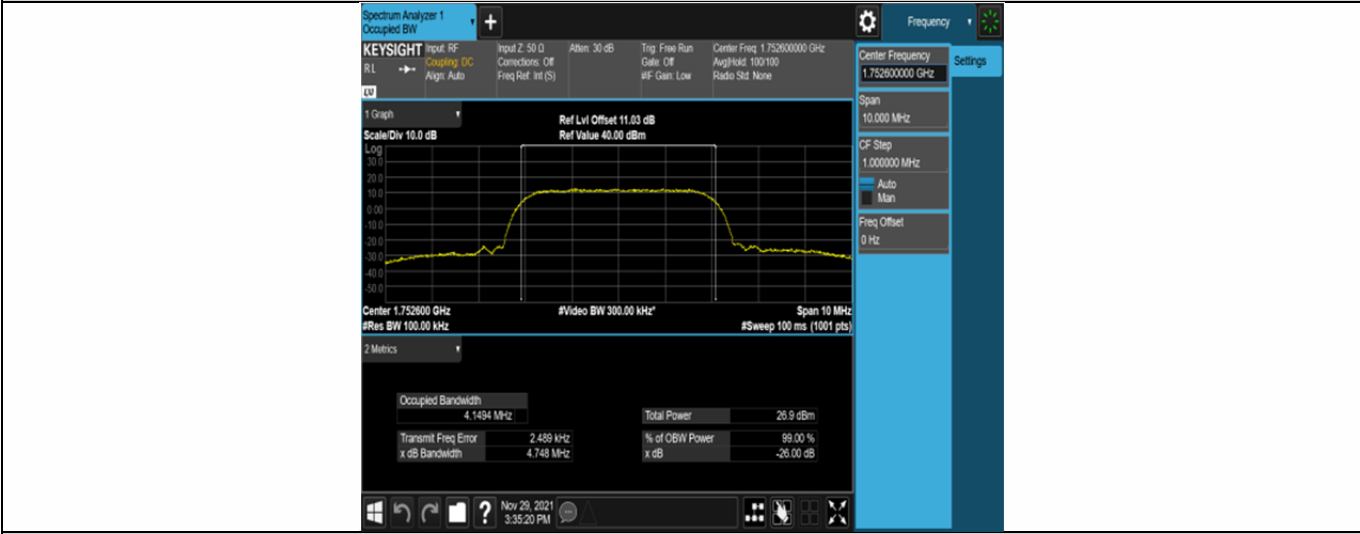
Test Graphs



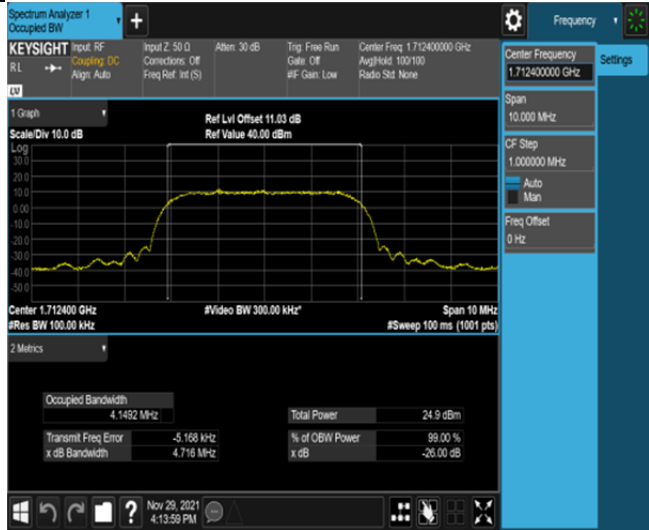
Band4-1312-4.726



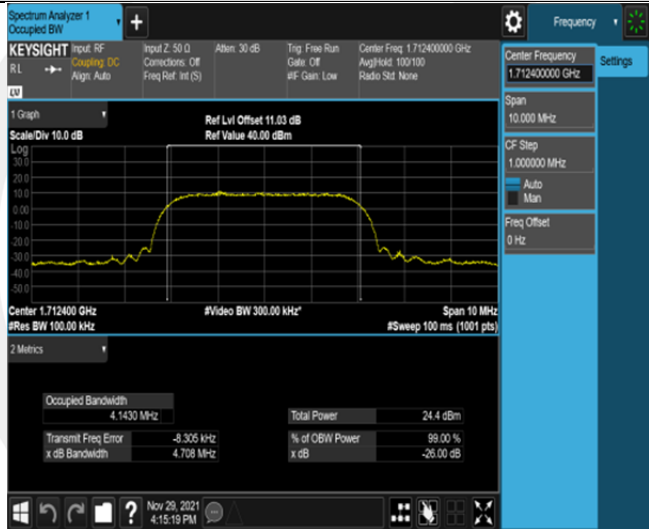
Band4-1413-4.766



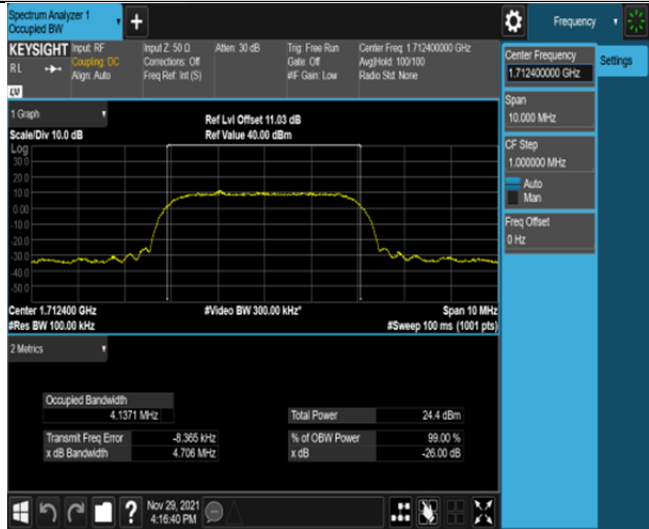
Band4-1513-4.748



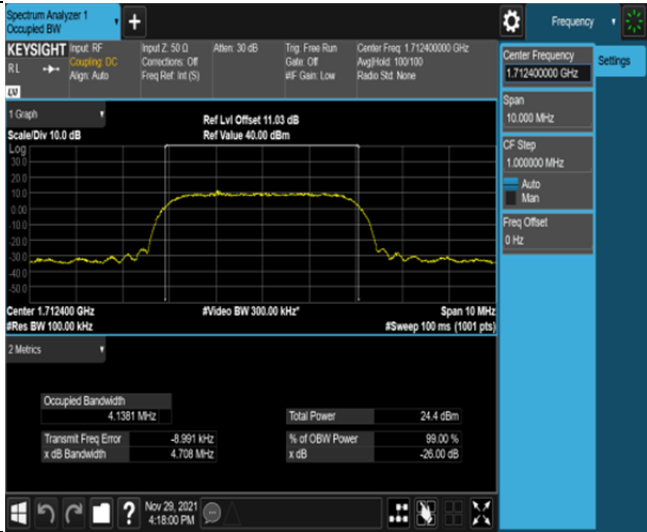
Band4-1312-1-4.716



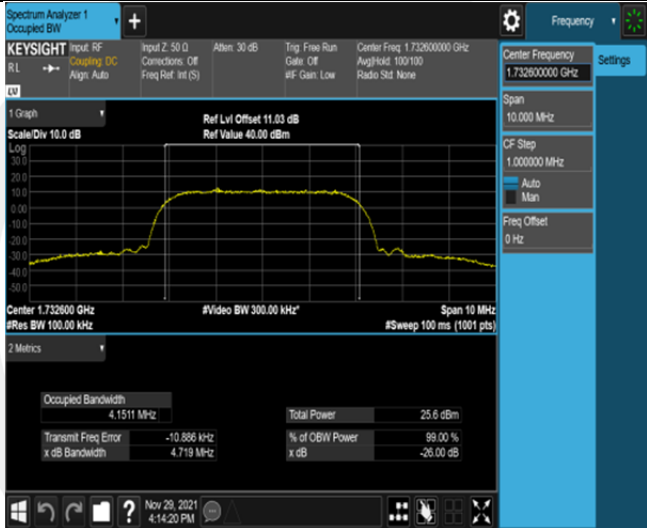
Band4-1312-2-4.708



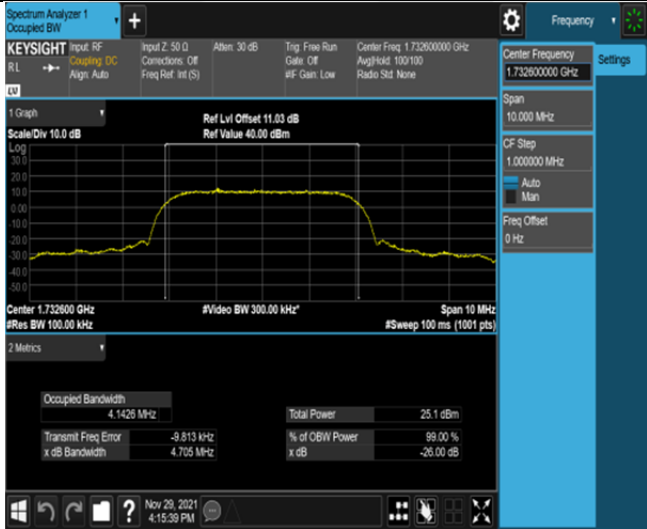
Band4-1312-3-4.706



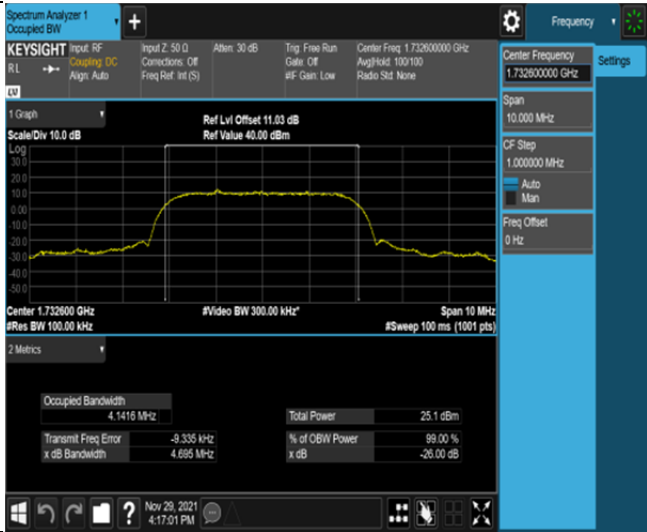
Band4-1312-4-4.708



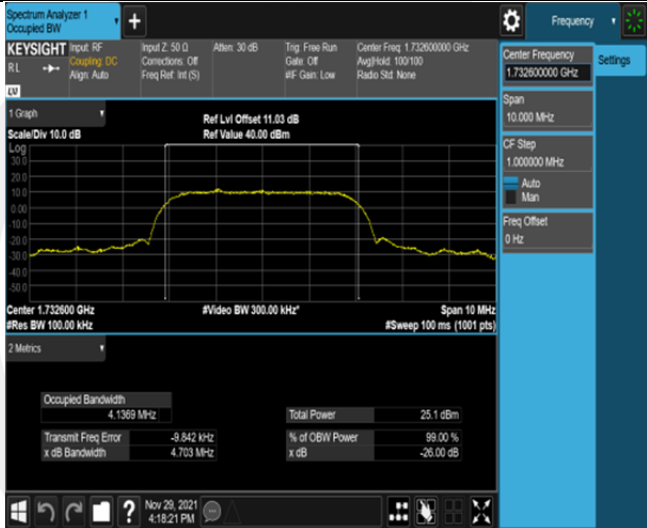
Band4-1413-1-4.719



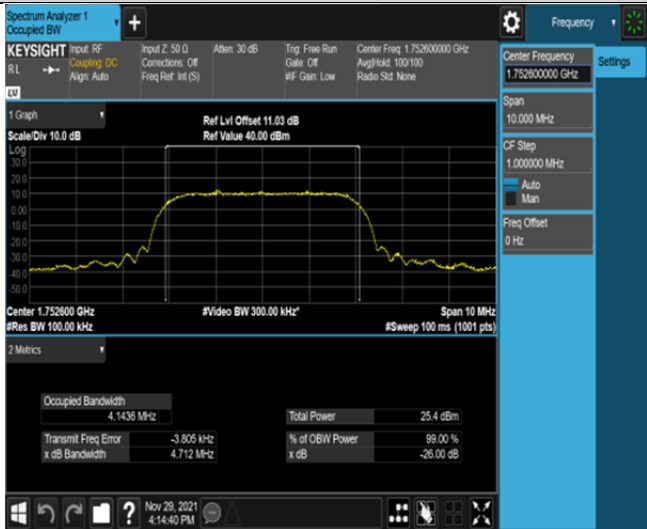
Band4-1413-2-4.705



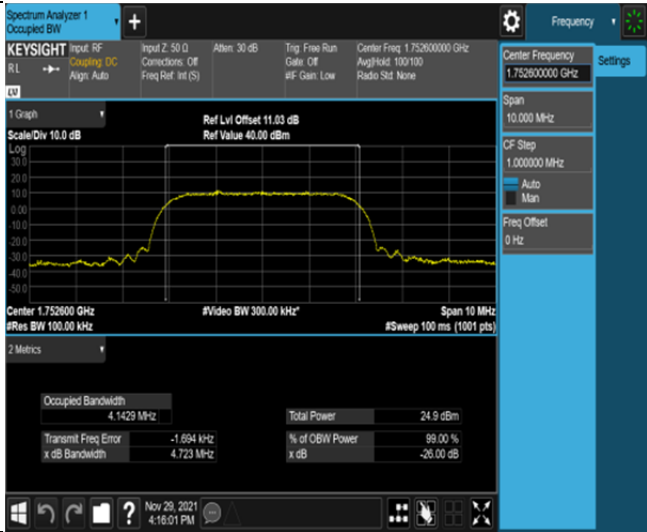
Band4-1413-3-4.695



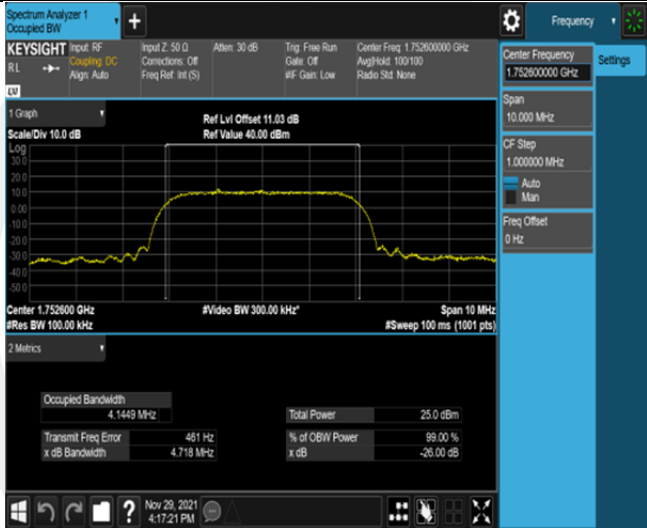
Band4-1413-4-4.703



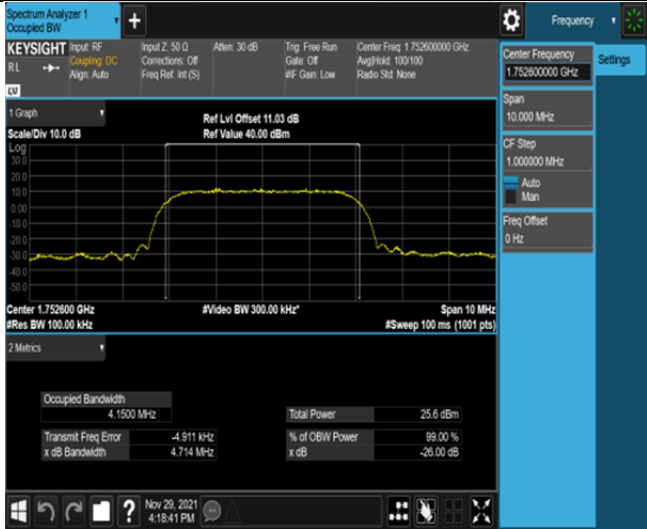
Band4-1513-1-4.712



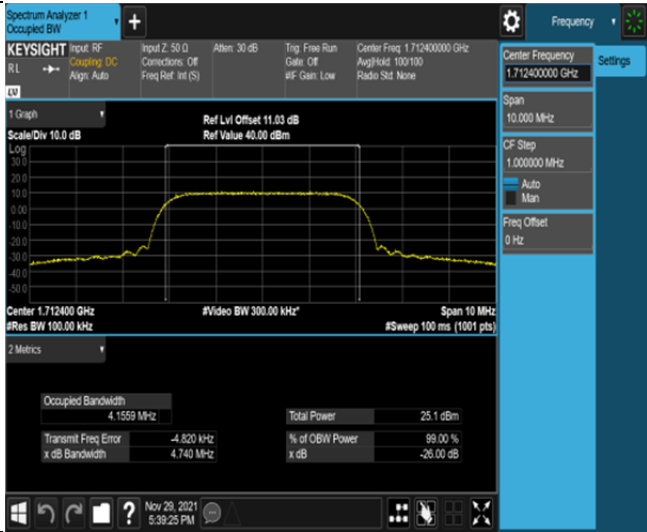
Band4-1513-2-4.723



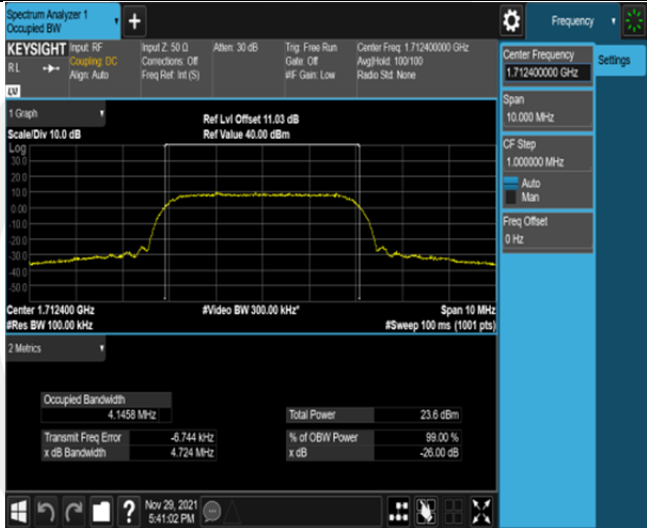
Band4-1513-3-4.718



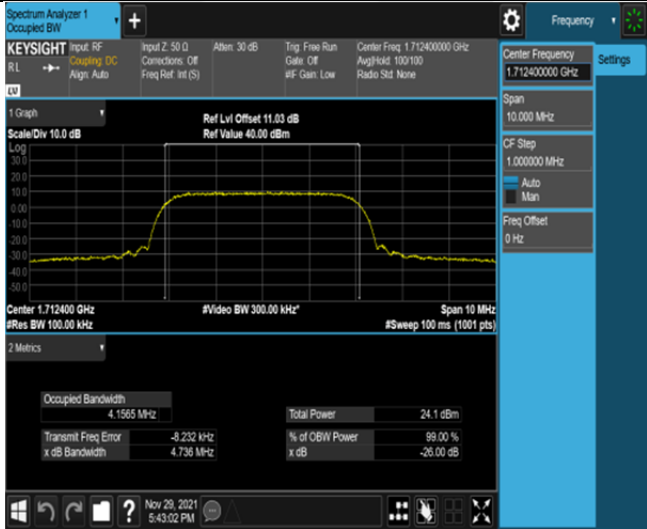
Band4-1513-4-4.714



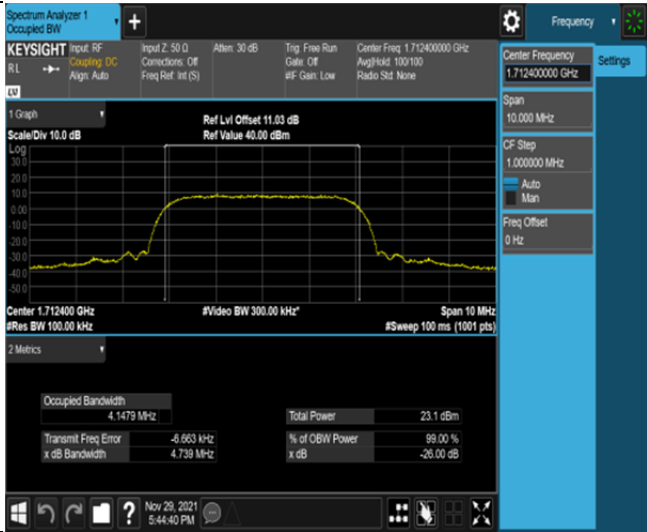
Band4-1312-1-4.740



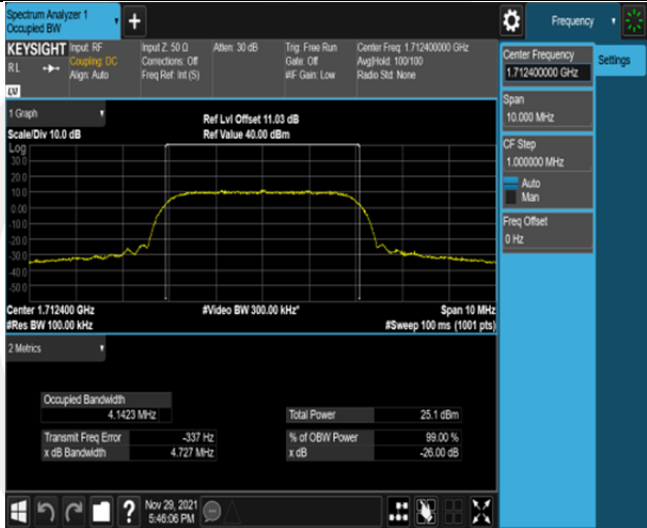
Band4-1312-2-4.724



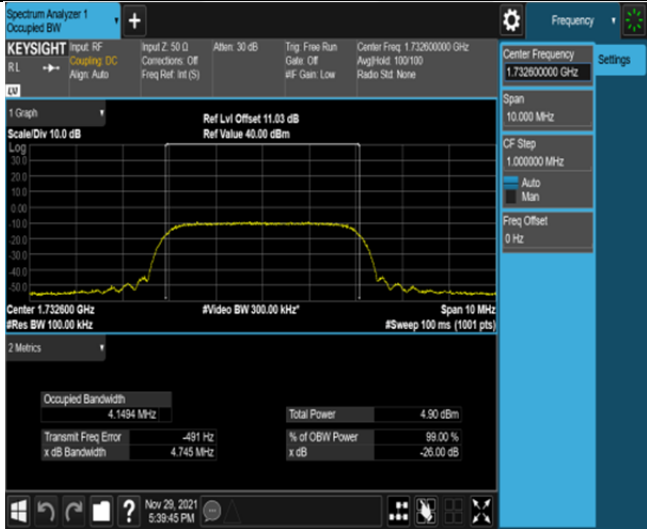
Band4-1312-3-4.736



Band4-1312-4-4.739



Band4-1312-5-4.727



Band4-1413-1-4.745