

WCDMA Band V Test Data

Product Name : 4G LTE router

Model Number : DWR-M921, DWR-M922, DWR-M923, DWR-M924,
DWR-M925, DWR-M926, DWR-M927, DWR-M928,
DWR-M929, NL-430, NL-432

Test model : DWR-M921

FCC ID : KA2WRM921-1

Applicant : Link Corporation
14420 Myford Road, Suite 100, Irvine, California,
United States 92606

Manufacturer : Link Corporation
14420 Myford Road, Suite 100, Irvine, California,
United States 92606

Trademark : D-Link

AppendixA: RF POWER OUTPUT

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	22.75	38.5	PASS
Band5	4183	22.60	38.5	PASS
Band5	4233	22.78	38.5	PASS



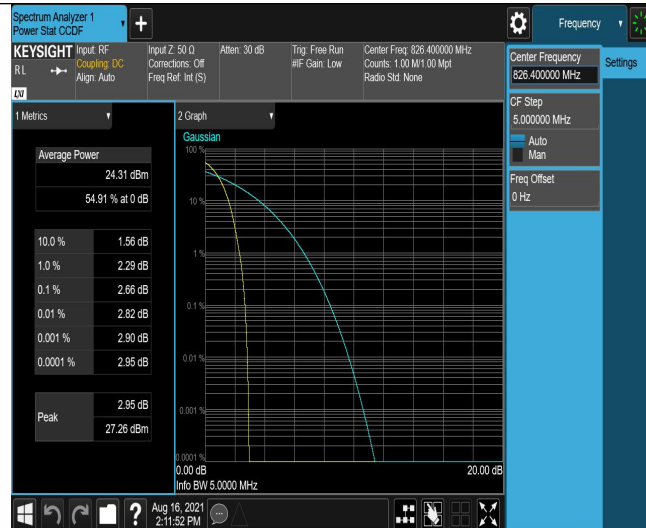
AppendixB:Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	2.66	13	PASS
Band5	4183	2.7	13	PASS
Band5	4233	2.7	13	PASS



Test Graphs



Band5-4132



Band5-4183



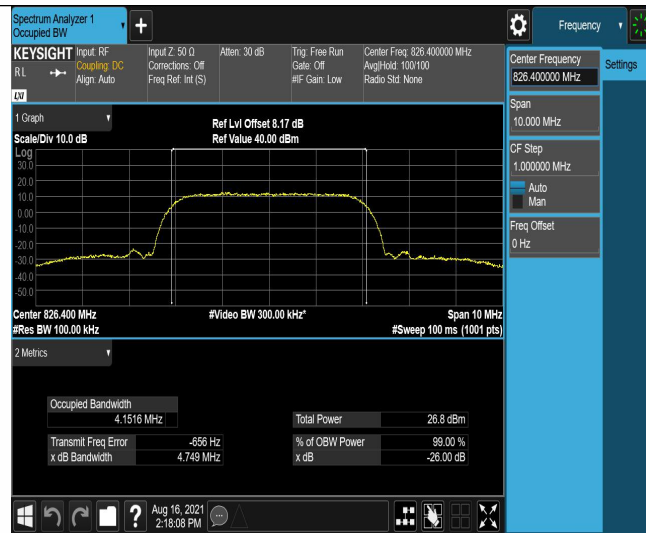
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

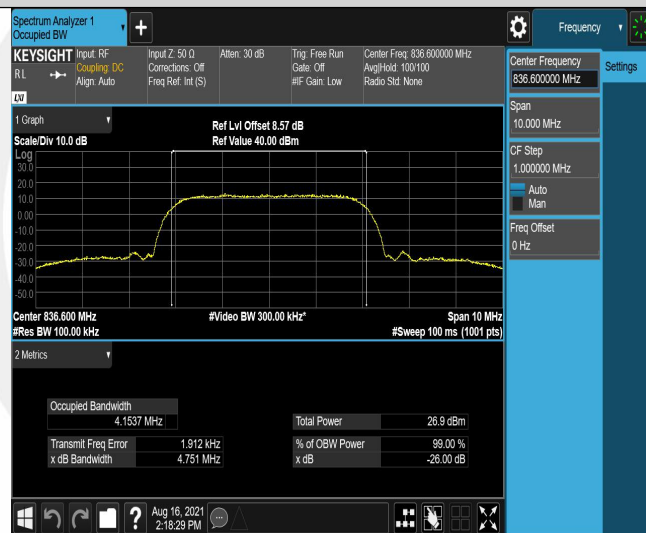
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band5	4132	4.1516	4.749	---	PASS
Band5	4183	4.1537	4.751	---	PASS
Band5	4233	4.1440	4.760	---	PASS



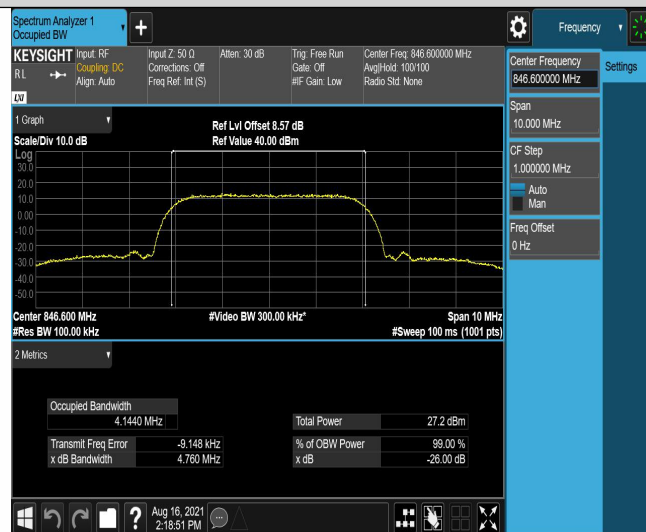
Test Graphs



Band5-4132-4.749



Band5-4183-4.751



Band5-4233-4.760

AppendixD:Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	824.00	-18.20	-13	PASS
Band5	4233	849.00	-18.51	-13	PASS



Test Graphs



Band5-4132



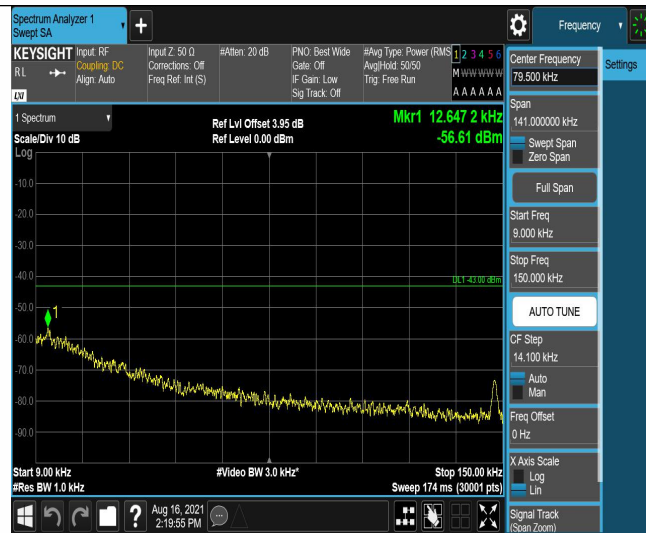
Band5-4233

Appendix E: Conducted Spurious Emission

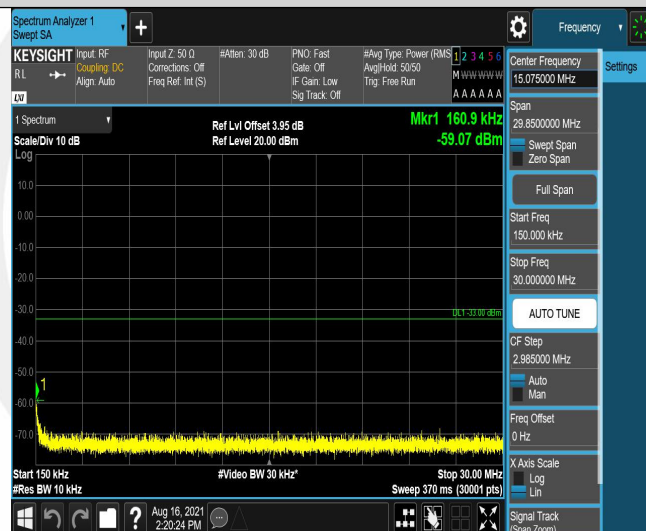
Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-56.61	-43	PASS
Band5	4132	0.15~30MHz	0.16	-59.07	-33	PASS
Band5	4132	30~1000MHz	969.93	-47.25	-23	PASS
Band5	4132	1000~3000MHz	2622.47	-37.12	-13	PASS
Band5	4132	3000~10000MHz	3816.9	-51.3	-13	PASS
Band5	4132	10000~18000MHz	13626.93	-52.81	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.14	-43	PASS
Band5	4183	0.15~30MHz	0.16	-58.86	-33	PASS
Band5	4183	30~1000MHz	998.67	-47.44	-23	PASS
Band5	4183	1000~3000MHz	2609.4	-37.2	-13	PASS
Band5	4183	3000~10000MHz	3807.1	-51.29	-13	PASS
Band5	4183	10000~18000MHz	13600.53	-52.63	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.8	-43	PASS
Band5	4233	0.15~30MHz	0.2	-59.87	-33	PASS
Band5	4233	30~1000MHz	951.18	-47.16	-23	PASS
Band5	4233	1000~3000MHz	2639.33	-37.14	-13	PASS
Band5	4233	3000~10000MHz	3830.9	-51.3	-13	PASS
Band5	4233	10000~18000MHz	13612.53	-52.74	-13	PASS

Test Graphs



Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz



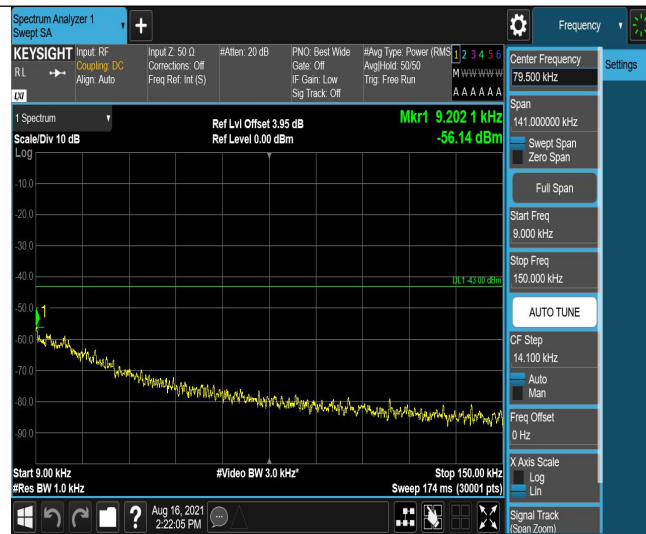
Band5-4132-1000~3000MHz



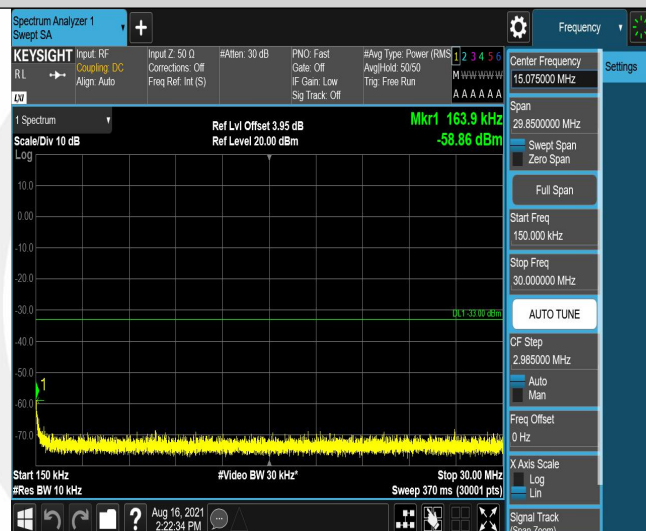
Band5-4132-3000~10000MHz



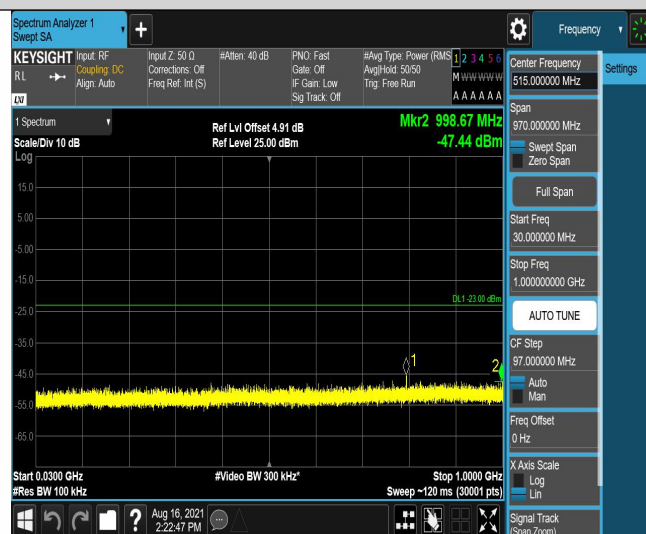
Band5-4132-10000~18000MHz



Band5-4183-0.009~0.15MHz



Band5-4183-0.15~30MHz



Band5-4183-30~1000MHz



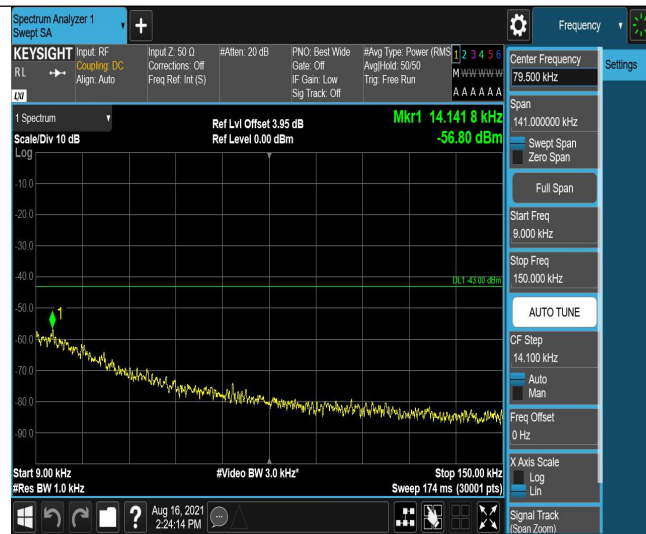
Band5-4183-1000~3000MHz



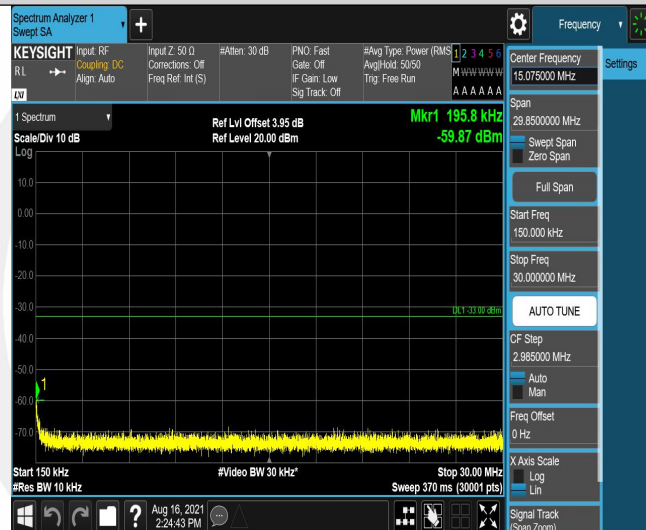
Band5-4183-3000~10000MHz



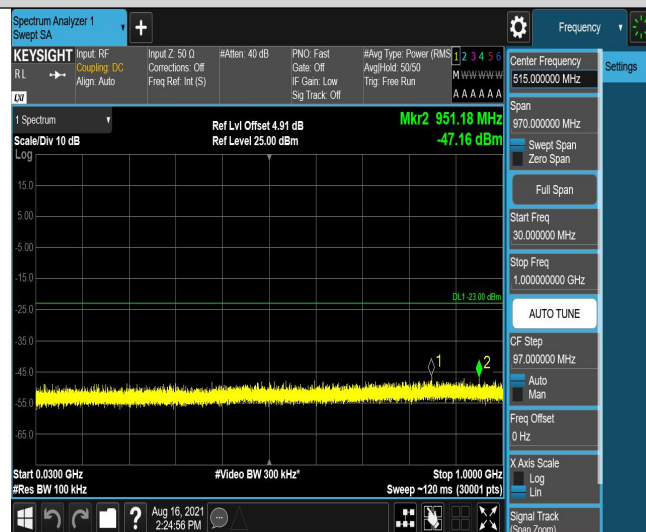
Band5-4183-10000~18000MHz



Band5-4233-0.009~0.15MHz



Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~3000MHz



Band5-4233-3000~10000MHz



Band5-4233-10000~18000MHz

Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	-1.41	-0.001706	±2.5	PASS
Band5	4132	VN	NT	-1.05	-0.001271	±2.5	PASS
Band5	4132	VH	NT	-1.05	-0.001271	±2.5	PASS
Band5	4183	VL	NT	0.34	0.000406	±2.5	PASS
Band5	4183	VN	NT	0.10	0.000120	±2.5	PASS
Band5	4183	VH	NT	-0.10	-0.000120	±2.5	PASS
Band5	4233	VL	NT	0.06	0.000071	±2.5	PASS
Band5	4233	VN	NT	0.69	0.000815	±2.5	PASS
Band5	4233	VH	NT	0.73	0.000862	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	0	-1.12	-0.001355	±2.5	PASS
Band5	4132	NV	10	-0.60	-0.000726	±2.5	PASS
Band5	4132	NV	20	-0.97	-0.001174	±2.5	PASS
Band5	4132	NV	30	-0.35	-0.000424	±2.5	PASS
Band5	4132	NV	40	-0.51	-0.000617	±2.5	PASS
Band5	4183	NV	0	0.46	0.000550	±2.5	PASS
Band5	4183	NV	10	-0.01	-0.000012	±2.5	PASS
Band5	4183	NV	20	-0.05	-0.000060	±2.5	PASS
Band5	4183	NV	30	0.26	0.000311	±2.5	PASS
Band5	4183	NV	40	-0.29	-0.000347	±2.5	PASS
Band5	4233	NV	0	0.26	0.000307	±2.5	PASS
Band5	4233	NV	10	0.51	0.000602	±2.5	PASS
Band5	4233	NV	20	0.55	0.000650	±2.5	PASS
Band5	4233	NV	30	0.62	0.000732	±2.5	PASS
Band5	4233	NV	40	0.69	0.000815	±2.5	PASS