

WCDMA Band II 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
Band2	9262	22.31	33	PASS
Band2	9400	21.93	33	PASS
Band2	9538	22.12	33	PASS



AppendixB:Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	3.06	13	PASS
Band2	9400	3.15	13	PASS
Band2	9538	3.05	13	PASS



Test Graphs



Band2-9262



Band2-9400



Band2-9538

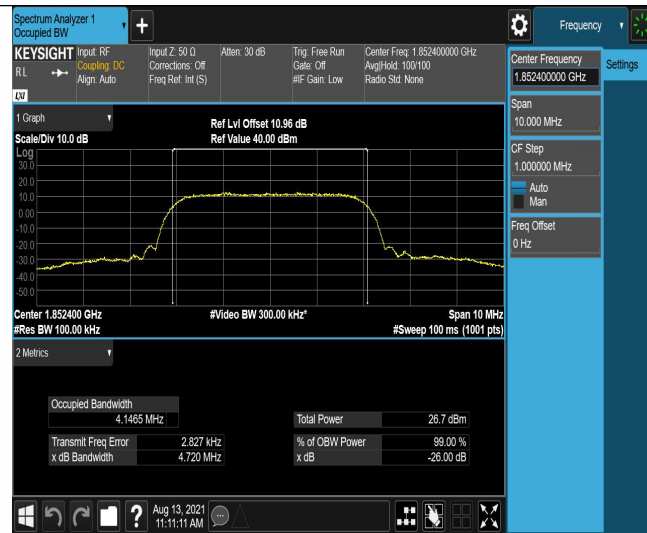
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

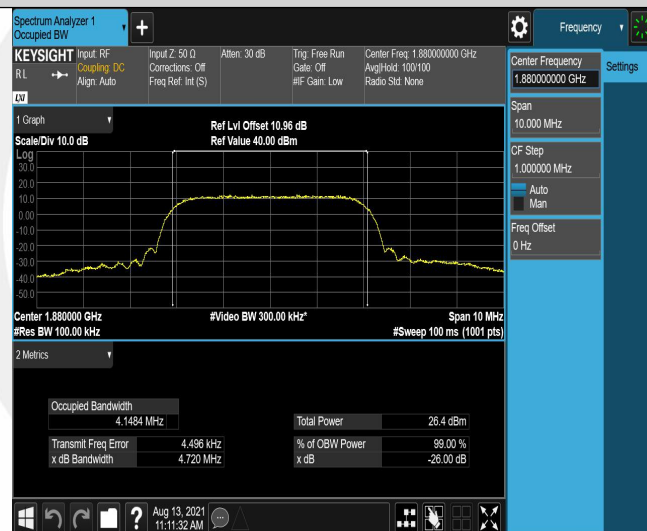
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.1465	4.720	---	PASS
Band2	9400	4.1484	4.720	---	PASS
Band2	9538	4.1343	4.715	---	PASS



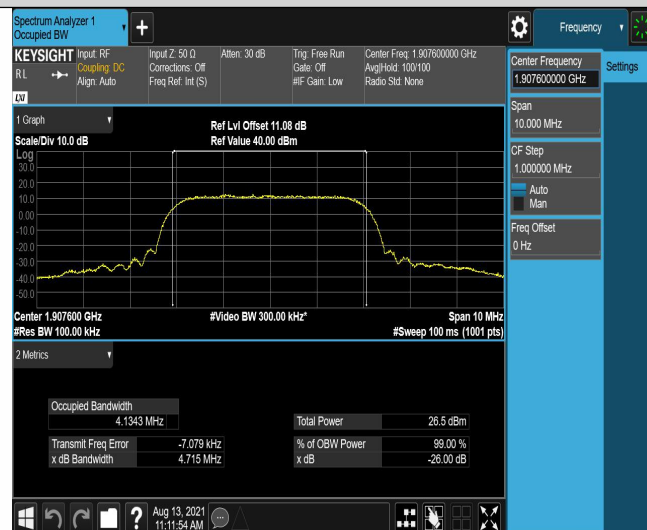
Test Graphs



Band2-9262-4.720



Band2-9400-4.720



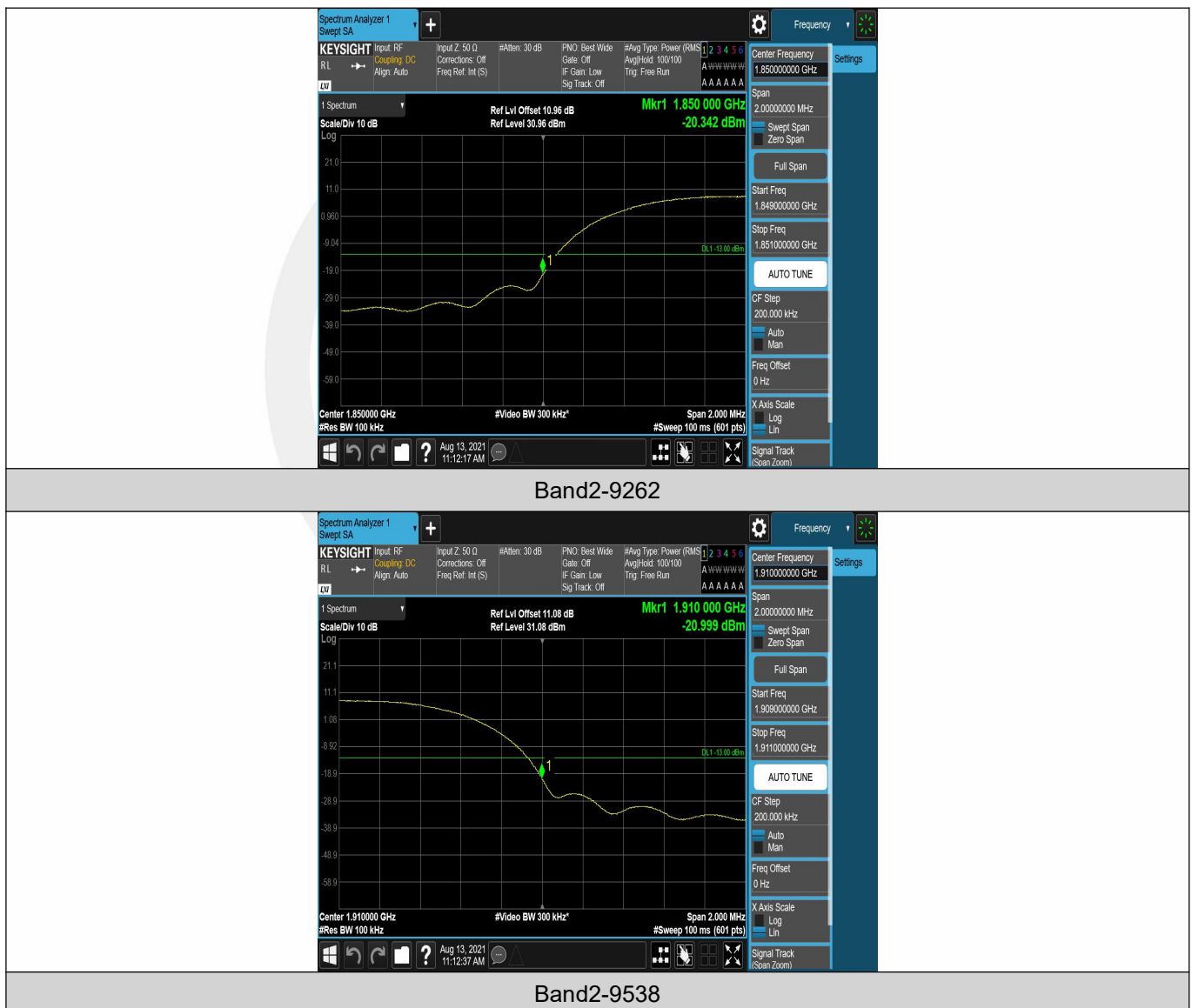
Band2-9538-4.715

AppendixD:Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-20.34	-13	PASS
Band2	9538	1910.00	-21.00	-13	PASS

Test Graphs

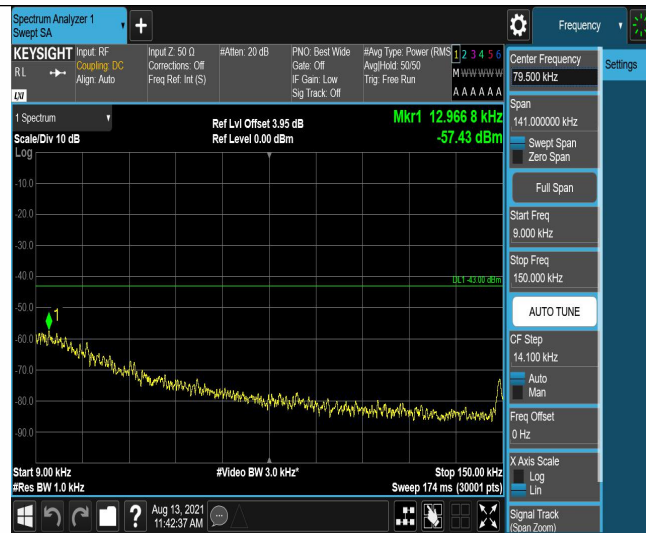


Appendix E: Conducted Spurious Emission

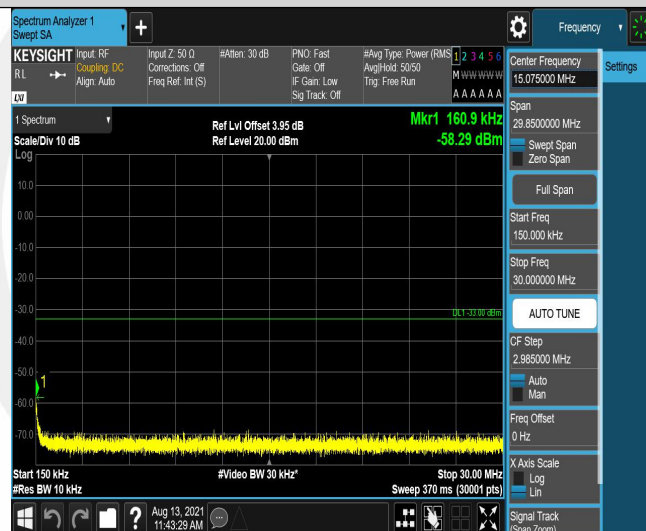
Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-57.43	-43	PASS
Band2	9262	0.15~30MHz	0.16	-58.29	-33	PASS
Band2	9262	30~1000MHz	928.87	-47.12	-23	PASS
Band2	9262	1000~3000MHz	2613.6	-38.84	-13	PASS
Band2	9262	3000~10000MHz	5555	-48.37	-13	PASS
Band2	9262	10000~20000MHz	19444.67	-43.69	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.55	-43	PASS
Band2	9400	0.15~30MHz	0.15	-58.37	-33	PASS
Band2	9400	30~1000MHz	987.33	-46.33	-23	PASS
Band2	9400	1000~3000MHz	2610.6	-38.84	-13	PASS
Band2	9400	3000~10000MHz	5642.97	-48.28	-13	PASS
Band2	9400	10000~20000MHz	19453.67	-43.59	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-57.84	-43	PASS
Band2	9538	0.15~30MHz	0.15	-58.16	-33	PASS
Band2	9538	30~1000MHz	882.31	-47.48	-23	PASS
Band2	9538	1000~3000MHz	2671.87	-38.85	-13	PASS
Band2	9538	3000~10000MHz	5720.2	-49.82	-13	PASS
Band2	9538	10000~20000MHz	19930	-43.62	-13	PASS

Test Graphs



Band2-9262-0.009~0.15MHz



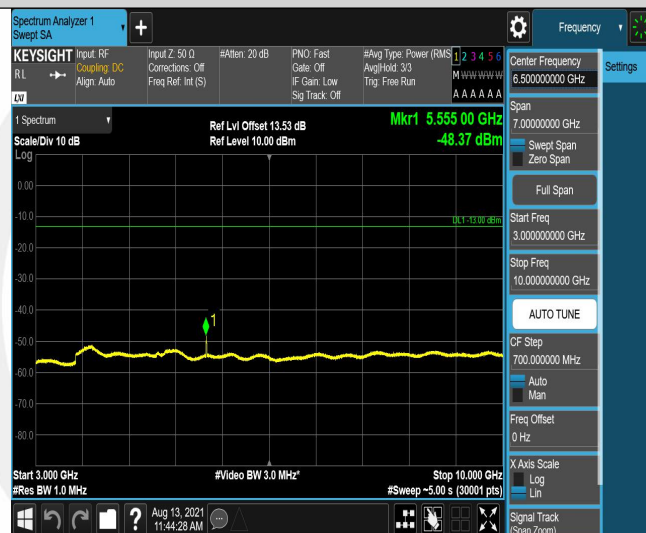
Band2-9262-0.15~30MHz



Band2-9262-30~1000MHz



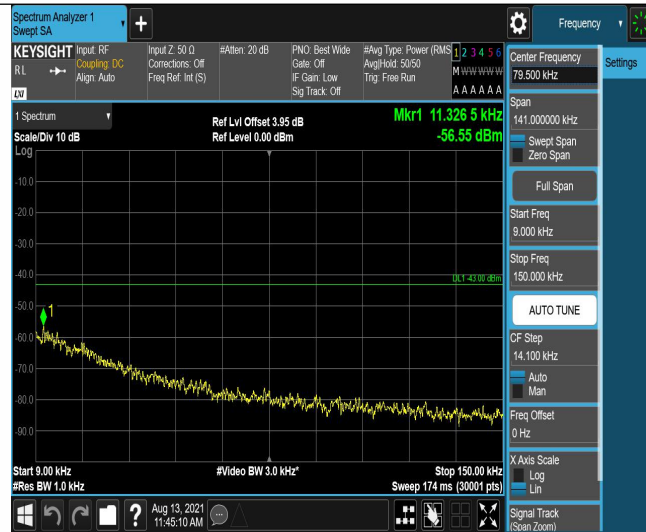
Band2-9262-1000~3000MHz



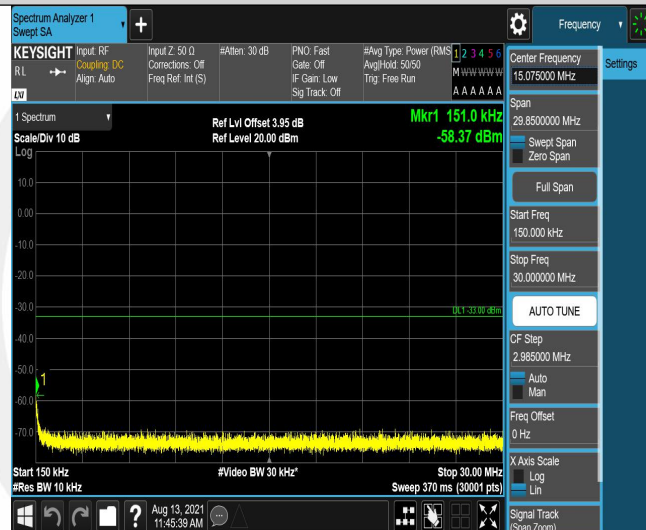
Band2-9262-3000~10000MHz



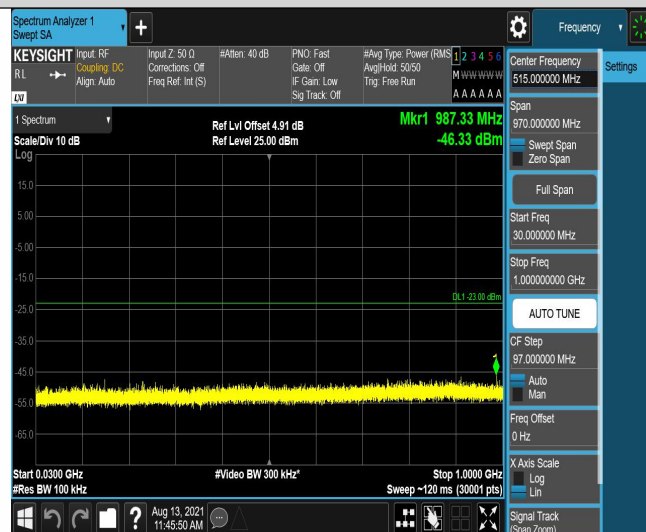
Band2-9262-10000~20000MHz



Band2-9400-0.009~0.15MHz



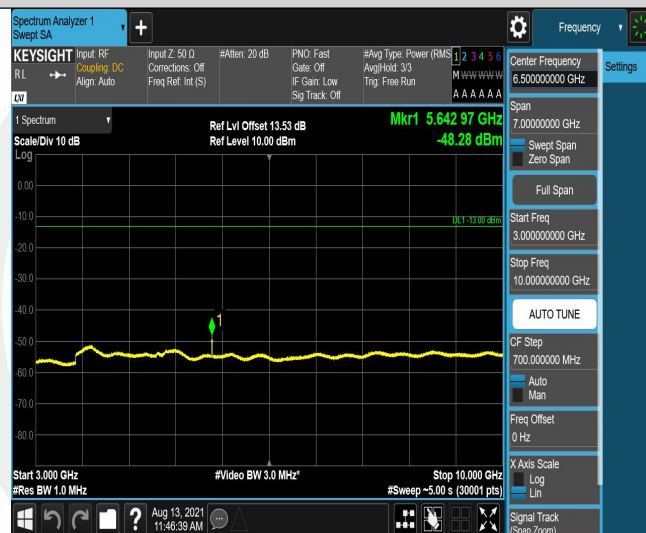
Band2-9400-0.15~30MHz



Band2-9400-30~1000MHz



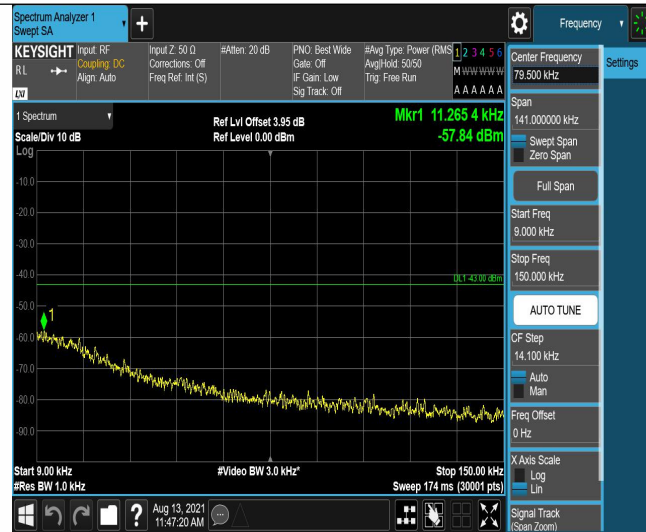
Band2-9400-1000~3000MHz



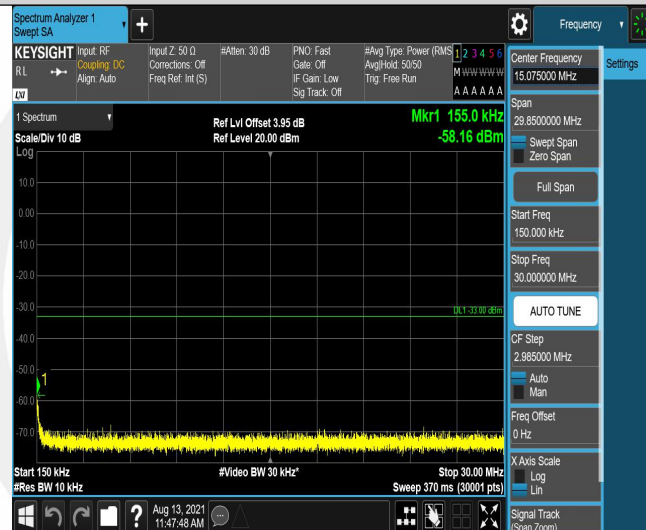
Band2-9400-3000~10000MHz



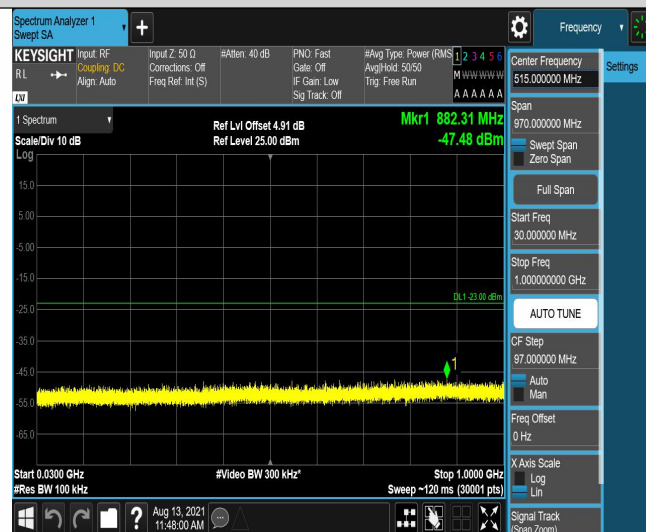
Band2-9400-10000~20000MHz



Band2-9538-0.009~0.15MHz



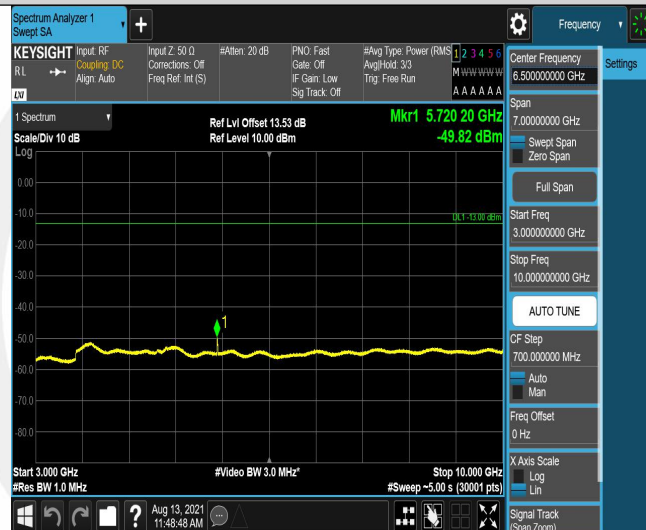
Band2-9538-0.15~30MHz



Band2-9538-30~1000MHz



Band2-9538-1000~3000MHz



Band2-9538-3000~10000MHz



Band2-9538-10000~20000MHz

Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	-2.26	-0.001220	±2.5	PASS
Band2	9262	VN	NT	-1.90	-0.001026	±2.5	PASS
Band2	9262	VH	NT	-2.69	-0.001452	±2.5	PASS
Band2	9400	VL	NT	-0.08	-0.000043	±2.5	PASS
Band2	9400	VN	NT	-0.36	-0.000191	±2.5	PASS
Band2	9400	VH	NT	-0.26	-0.000138	±2.5	PASS
Band2	9538	VL	NT	0.77	0.000404	±2.5	PASS
Band2	9538	VN	NT	0.76	0.000398	±2.5	PASS
Band2	9538	VH	NT	0.72	0.000377	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	0	-1.87	-0.001010	±2.5	PASS
Band2	9262	NV	10	-1.34	-0.000723	±2.5	PASS
Band2	9262	NV	20	-2.10	-0.001134	±2.5	PASS
Band2	9262	NV	30	-2.25	-0.001215	±2.5	PASS
Band2	9262	NV	40	-1.53	-0.000826	±2.5	PASS
Band2	9400	NV	0	-0.95	-0.000505	±2.5	PASS
Band2	9400	NV	10	-1.04	-0.000553	±2.5	PASS
Band2	9400	NV	20	-0.07	-0.000037	±2.5	PASS
Band2	9400	NV	30	-0.59	-0.000314	±2.5	PASS
Band2	9400	NV	40	-0.39	-0.000207	±2.5	PASS
Band2	9538	NV	0	0.51	0.000267	±2.5	PASS
Band2	9538	NV	10	0.69	0.000362	±2.5	PASS
Band2	9538	NV	20	0.59	0.000309	±2.5	PASS
Band2	9538	NV	30	0.70	0.000367	±2.5	PASS
Band2	9538	NV	40	0.84	0.000440	±2.5	PASS
Band2	9538	NV	50	0.26	0.000136	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	1	VL	NT	1.06	0.000572	±2.5	PASS
Band2	9262	1	VN	NT	1.14	0.000615	±2.5	PASS
Band2	9262	1	VH	NT	0.49	0.000265	±2.5	PASS
Band2	9262	2	VL	NT	1.65	0.000891	±2.5	PASS
Band2	9262	2	VN	NT	1.43	0.000772	±2.5	PASS
Band2	9262	2	VH	NT	-0.23	-0.000124	±2.5	PASS
Band2	9262	3	VL	NT	0.09	0.000049	±2.5	PASS
Band2	9262	3	VN	NT	0.68	0.000367	±2.5	PASS
Band2	9262	3	VH	NT	1.17	0.000632	±2.5	PASS
Band2	9262	4	VL	NT	-0.22	-0.000119	±2.5	PASS
Band2	9262	4	VN	NT	0.54	0.000292	±2.5	PASS
Band2	9262	4	VH	NT	0.93	0.000502	±2.5	PASS
Band2	9400	1	VL	NT	0.68	0.000362	±2.5	PASS
Band2	9400	1	VN	NT	0.64	0.000340	±2.5	PASS
Band2	9400	1	VH	NT	0.29	0.000154	±2.5	PASS
Band2	9400	2	VL	NT	1.26	0.000670	±2.5	PASS
Band2	9400	2	VN	NT	0.19	0.000101	±2.5	PASS
Band2	9400	2	VH	NT	0.84	0.000447	±2.5	PASS
Band2	9400	3	VL	NT	0.57	0.000303	±2.5	PASS
Band2	9400	3	VN	NT	0.51	0.000271	±2.5	PASS
Band2	9400	3	VH	NT	0.16	0.000085	±2.5	PASS
Band2	9400	4	VL	NT	0.18	0.000096	±2.5	PASS
Band2	9400	4	VN	NT	0.59	0.000314	±2.5	PASS
Band2	9400	4	VH	NT	0.32	0.000170	±2.5	PASS
Band2	9538	1	VL	NT	0.79	0.000414	±2.5	PASS
Band2	9538	1	VN	NT	0.81	0.000425	±2.5	PASS
Band2	9538	1	VH	NT	-0.16	-0.000084	±2.5	PASS
Band2	9538	2	VL	NT	0.44	0.000231	±2.5	PASS
Band2	9538	2	VN	NT	0.57	0.000299	±2.5	PASS
Band2	9538	2	VH	NT	-0.11	-0.000058	±2.5	PASS
Band2	9538	3	VL	NT	0.47	0.000246	±2.5	PASS
Band2	9538	3	VN	NT	0.92	0.000482	±2.5	PASS
Band2	9538	3	VH	NT	0.09	0.000047	±2.5	PASS

Band2	9538	4	VL	NT	0.50	0.000262	±2.5	PASS
Band2	9538	4	VN	NT	0.67	0.000351	±2.5	PASS
Band2	9538	4	VH	NT	1.17	0.000613	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	1	NV	0	0.21	0.000113	±2.5	PASS
Band2	9262	1	NV	10	0.50	0.000270	±2.5	PASS
Band2	9262	1	NV	20	0.92	0.000497	±2.5	PASS
Band2	9262	1	NV	30	1.18	0.000637	±2.5	PASS
Band2	9262	1	NV	40	0.36	0.000194	±2.5	PASS
Band2	9262	2	NV	0	0.97	0.000524	±2.5	PASS
Band2	9262	2	NV	10	-0.24	-0.000130	±2.5	PASS
Band2	9262	2	NV	20	1.14	0.000615	±2.5	PASS
Band2	9262	2	NV	30	0.97	0.000524	±2.5	PASS
Band2	9262	2	NV	40	0.67	0.000362	±2.5	PASS
Band2	9262	3	NV	0	-0.27	-0.000146	±2.5	PASS
Band2	9262	3	NV	10	1.03	0.000556	±2.5	PASS
Band2	9262	3	NV	20	0.39	0.000211	±2.5	PASS
Band2	9262	3	NV	30	1.21	0.000653	±2.5	PASS
Band2	9262	3	NV	40	0.34	0.000184	±2.5	PASS
Band2	9262	4	NV	0	1.04	0.000561	±2.5	PASS
Band2	9262	4	NV	10	-0.40	-0.000216	±2.5	PASS
Band2	9262	4	NV	20	0.05	0.000027	±2.5	PASS
Band2	9262	4	NV	30	1.14	0.000615	±2.5	PASS
Band2	9262	4	NV	40	0.59	0.000319	±2.5	PASS
Band2	9400	1	NV	0	0.65	0.000346	±2.5	PASS
Band2	9400	1	NV	10	-0.21	-0.000112	±2.5	PASS
Band2	9400	1	NV	20	0.05	0.000027	±2.5	PASS
Band2	9400	1	NV	30	1.19	0.000633	±2.5	PASS
Band2	9400	1	NV	40	0.66	0.000351	±2.5	PASS
Band2	9400	2	NV	0	1.46	0.000777	±2.5	PASS
Band2	9400	2	NV	10	0.93	0.000495	±2.5	PASS
Band2	9400	2	NV	20	0.84	0.000447	±2.5	PASS
Band2	9400	2	NV	30	0.32	0.000170	±2.5	PASS

Band2	9400	2	NV	40	0.94	0.000500	±2.5	PASS
Band2	9400	3	NV	0	0.56	0.000298	±2.5	PASS
Band2	9400	3	NV	10	0.67	0.000356	±2.5	PASS
Band2	9400	3	NV	20	0.65	0.000346	±2.5	PASS
Band2	9400	3	NV	30	0.77	0.000410	±2.5	PASS
Band2	9400	3	NV	40	0.57	0.000303	±2.5	PASS
Band2	9400	4	NV	0	0.64	0.000340	±2.5	PASS
Band2	9400	4	NV	10	0.73	0.000388	±2.5	PASS
Band2	9400	4	NV	20	0.58	0.000309	±2.5	PASS
Band2	9400	4	NV	30	0.75	0.000399	±2.5	PASS
Band2	9400	4	NV	40	1.46	0.000777	±2.5	PASS
Band2	9538	1	NV	0	0.83	0.000435	±2.5	PASS
Band2	9538	1	NV	10	-0.09	-0.000047	±2.5	PASS
Band2	9538	1	NV	20	0.63	0.000330	±2.5	PASS
Band2	9538	1	NV	30	0.31	0.000163	±2.5	PASS
Band2	9538	1	NV	40	0.80	0.000419	±2.5	PASS
Band2	9538	2	NV	0	0.58	0.000304	±2.5	PASS
Band2	9538	2	NV	10	0.38	0.000199	±2.5	PASS
Band2	9538	2	NV	20	1.53	0.000802	±2.5	PASS
Band2	9538	2	NV	30	1.31	0.000687	±2.5	PASS
Band2	9538	2	NV	40	-0.08	-0.000042	±2.5	PASS
Band2	9538	3	NV	0	0.07	0.000037	±2.5	PASS
Band2	9538	3	NV	10	0.11	0.000058	±2.5	PASS
Band2	9538	3	NV	20	-0.04	-0.000021	±2.5	PASS
Band2	9538	3	NV	30	0.21	0.000110	±2.5	PASS
Band2	9538	3	NV	40	0.09	0.000047	±2.5	PASS
Band2	9538	4	NV	0	0.49	0.000257	±2.5	PASS
Band2	9538	4	NV	10	0.99	0.000519	±2.5	PASS
Band2	9538	4	NV	20	0.03	0.000016	±2.5	PASS
Band2	9538	4	NV	30	0.16	0.000084	±2.5	PASS
Band2	9538	4	NV	40	1.17	0.000613	±2.5	PASS