

Test Date of WCDMA_B2**EUT Description: Tablet****Model No.: C1**

Temperature:	23.5℃
Relative Humidity:	56%
ATM Pressure:	101.0 kPa
Test Engineer:	<i>Wayne Lin</i>
Reviewed By:	<i>Pencils.chen</i>

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	Antenna Gain	ERP/EIRP(dBm)	Limit(dBm)	Verdict
Band2	9262	22.83	1.51	24.34	33.01	PASS
Band2	9400	23.06	1.51	24.57	33.01	PASS
Band2	9538	23.28	1.51	24.79	33.01	PASS

Band	Channel	SubTest	Power(dBm)	Antenna Gain	ERP/EIRP(dBm)	Limit(dBm)	Verdict
Band2	9262	1	22.61	1.51	24.12	33.01	PASS
Band2	9262	2	22.45	1.51	23.96	33.01	PASS
Band2	9262	3	22.41	1.51	23.92	33.01	PASS
Band2	9262	4	22.41	1.51	23.92	33.01	PASS
Band2	9400	1	22.53	1.51	24.04	33.01	PASS
Band2	9400	2	22.46	1.51	23.97	33.01	PASS
Band2	9400	3	22.42	1.51	23.93	33.01	PASS
Band2	9400	4	22.43	1.51	23.94	33.01	PASS
Band2	9538	1	22.42	1.51	23.93	33.01	PASS
Band2	9538	2	22.37	1.51	23.88	33.01	PASS
Band2	9538	3	22.34	1.51	23.85	33.01	PASS
Band2	9538	4	22.35	1.51	23.86	33.01	PASS

Band	Channel	SubTest	Power(dBm)	Antenna Gain	ERP/EIRP(dBm)	Limit(dBm)	Verdict
Band2	9262	1	20.61	1.51	22.12	33.01	PASS
Band2	9262	2	20.63	1.51	22.14	33.01	PASS
Band2	9262	3	20.63	1.51	22.14	33.01	PASS
Band2	9262	4	20.58	1.51	22.09	33.01	PASS
Band2	9262	5	22.86	1.51	24.37	33.01	PASS
Band2	9400	1	20.44	1.51	21.95	33.01	PASS
Band2	9400	2	20.67	1.51	22.18	33.01	PASS
Band2	9400	3	20.69	1.51	22.2	33.01	PASS
Band2	9400	4	20.68	1.51	22.19	33.01	PASS
Band2	9400	5	22.99	1.51	24.5	33.01	PASS
Band2	9538	1	20.82	1.51	22.33	33.01	PASS

Band2	9538	2	20.85	1.51	22.36	33.01	PASS
Band2	9538	3	20.83	1.51	22.34	33.01	PASS
Band2	9538	4	20.83	1.51	22.34	33.01	PASS
Band2	9538	5	22.98	1.51	24.49	33.01	PASS

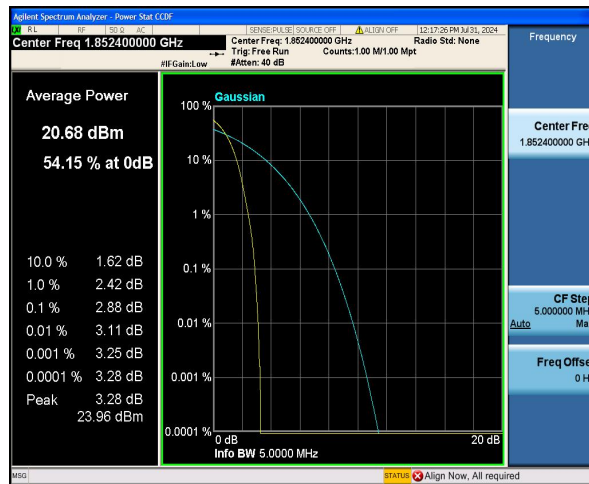
Appendix B: Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	2.88	13	PASS
Band2	9400	2.93	13	PASS
Band2	9538	2.87	13	PASS

Test Graphs

Band2-9262



Band2-9400



Band2-9538

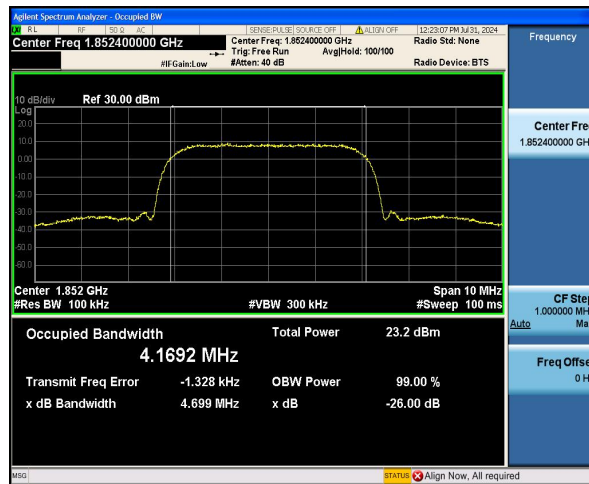


Appendix C: 26dB Bandwidth and Occupied Bandwidth**Test Result**

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.1692	4.699	---	PASS
Band2	9400	4.1670	4.689	---	PASS
Band2	9538	4.1666	4.695	---	PASS

Test Graphs

Band2-9262



Band2-9400



Band2-9538



Appendix D: Band Edge**Test Result**

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-32.73	-13	PASS
Band2	9538	1910.00	-32.75	-13	PASS

Test Graphs

Band2-9262



Band2-9538



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	-54.13	-43	PASS
Band2	9262	0.15~30MHz	0.17	-49.92	-23	PASS
Band2	9262	30~1000MHz	270.53	-48.13	-13	PASS
Band2	9262	1000~20000MHz	19833.43	-35.07	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-53.43	-43	PASS
Band2	9400	0.15~30MHz	0.17	-46.34	-23	PASS
Band2	9400	30~1000MHz	856.76	-49.86	-13	PASS
Band2	9400	1000~20000MHz	19227.33	-34.97	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-52.59	-43	PASS
Band2	9538	0.15~30MHz	0.15	-47.93	-23	PASS
Band2	9538	30~1000MHz	915.03	-48.75	-13	PASS
Band2	9538	1000~20000MHz	19201.37	-34.86	-13	PASS

Test Graphs

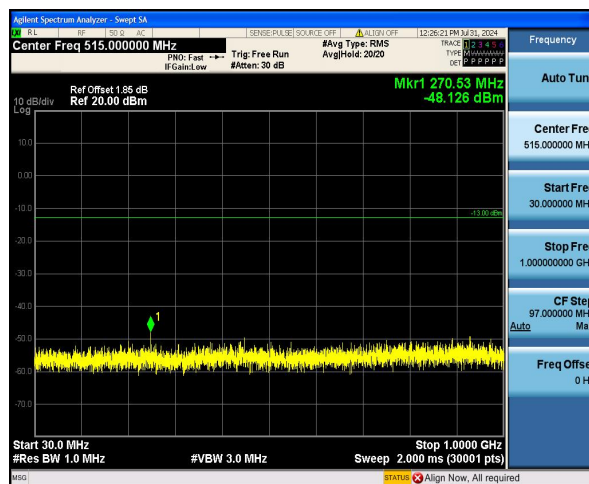
Band2-9262-0.009~0.15MHz



Band2-9262-0.15~30MHz



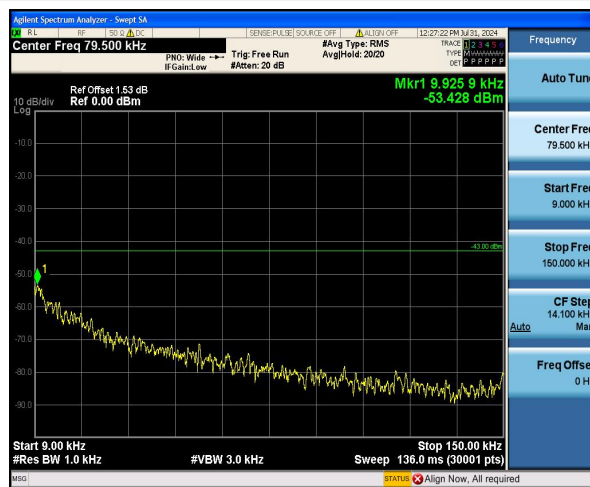
Band2-9262-30~1000MHz



Band2-9262-1000~20000MHz



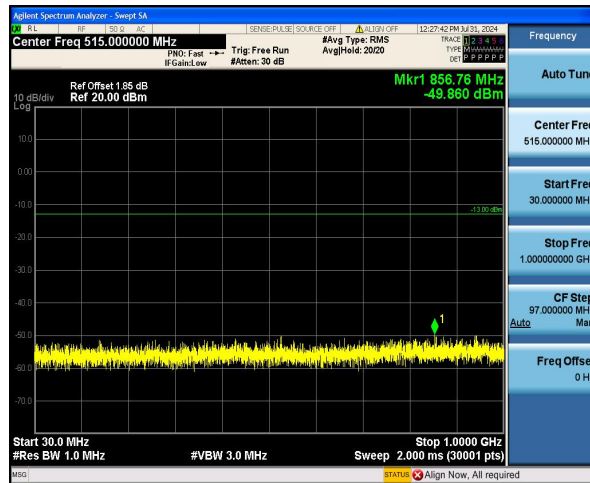
Band2-9400-0.009~0.15MHz



Band2-9400-0.15~30MHz



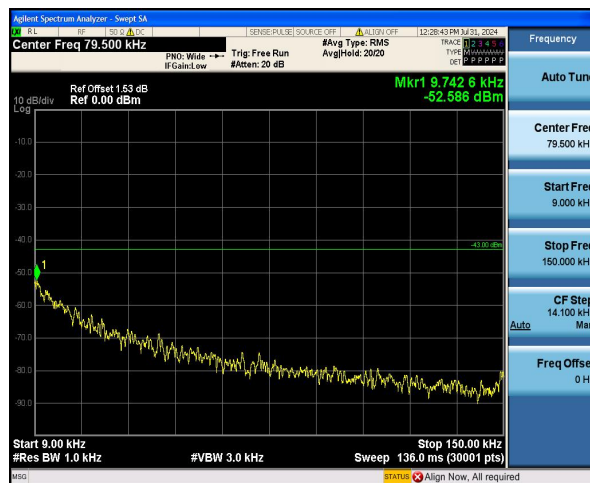
Band2-9400-30~1000MHz



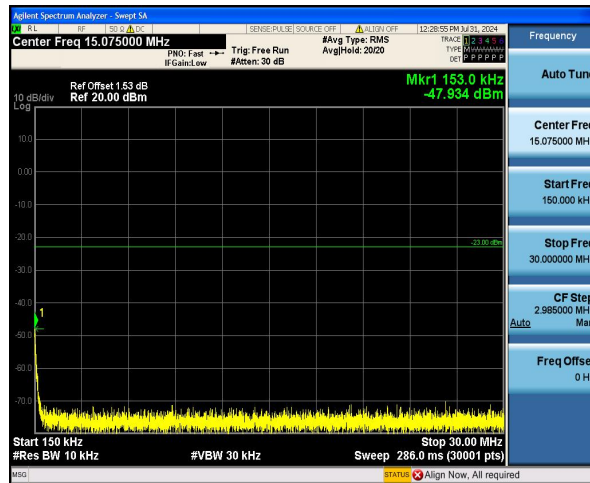
Band2-9400-1000~20000MHz



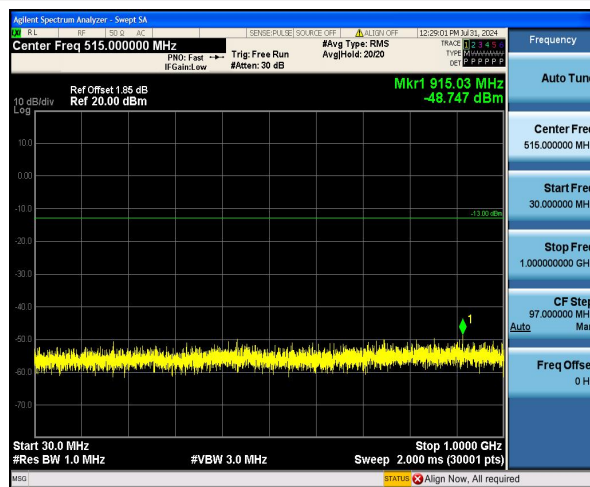
Band2-9538-0.009~0.15MHz



Band2-9538-0.15~30MHz



Band2-9538-30~1000MHz



Band2-9538-1000~20000MHz



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	-0.96	-0.000518	±2.5	PASS
Band2	9262	VN	NT	-1.22	-0.000659	±2.5	PASS
Band2	9262	VH	NT	-1.46	-0.000788	±2.5	PASS
Band2	9400	VL	NT	4.89	0.002601	±2.5	PASS
Band2	9400	VN	NT	4.84	0.002574	±2.5	PASS
Band2	9400	VH	NT	-4.84	-0.002574	±2.5	PASS
Band2	9538	VL	NT	1.77	0.000928	±2.5	PASS
Band2	9538	VN	NT	0.44	0.000231	±2.5	PASS
Band2	9538	VH	NT	-2.36	-0.001237	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	0.00	0.000000	±2.5	PASS
Band2	9262	NV	-20	4.29	0.002316	±2.5	PASS
Band2	9262	NV	0	2.78	0.001501	±2.5	PASS
Band2	9262	NV	10	1.74	0.000939	±2.5	PASS
Band2	9262	NV	20	-6.32	-0.003412	±2.5	PASS
Band2	9400	NV	-30	2.64	0.001404	±2.5	PASS
Band2	9400	NV	-20	4.59	0.002441	±2.5	PASS
Band2	9400	NV	0	-1.53	-0.000814	±2.5	PASS
Band2	9400	NV	10	0.01	0.000005	±2.5	PASS
Band2	9400	NV	20	-0.40	-0.000213	±2.5	PASS
Band2	9538	NV	-30	7.29	0.003822	±2.5	PASS
Band2	9538	NV	-20	-0.94	-0.000493	±2.5	PASS
Band2	9538	NV	0	-3.12	-0.001636	±2.5	PASS
Band2	9538	NV	10	-0.63	-0.000330	±2.5	PASS
Band2	9538	NV	20	2.37	0.001242	±2.5	PASS

Appendix G: Modulation Characteristics**Test Result**

Band	Channel	Result	Verdict
Band2	9262	PASS	PASS
Band2	9400	PASS	PASS
Band2	9538	PASS	PASS

Test Graphs

Band2-9262

WCDMA UE TX Measurement - V3.7.22 - Base V3.7.160

Multi Evaluation TPC Measurement PRACH DPCCH Open Loop Power Out-of-Sync Handling

UL Frequency: 1852.4000000 MHz Ref. Level: 32.40 dBm Connector: RF1COM Meas. Period: Full Slot

TX Measurement

1st Measured Slot No: 0 Statistic Count: 20 / 20

Statistics @ Pre. Slot 0	Current	Average	Maximum	StdDev.
Power [dBm]	NCAP	NCAP	NCAP	NCAP
Power Steps [dB]	NCAP	NCAP	NCAP	NCAP
EVM RMS [%]	NCAP	NCAP	NCAP	NCAP
EVM Peak [%]	NCAP	NCAP	NCAP	NCAP
Magnitude Error RMS [%]	NCAP	NCAP	NCAP	NCAP
Magnitude Error Peak [%]	NCAP	NCAP	NCAP	NCAP
Phase Error RMS [°]	NCAP	NCAP	NCAP	NCAP
Phase Error Peak [°]	NCAP	NCAP	NCAP	NCAP
IQ Origin Offset [dB]	NCAP	NCAP	NCAP	NCAP
IQ Imbalance [dB]	NCAP	NCAP	NCAP	NCAP
CF Error [Hz]	NCAP	NCAP	NCAP	NCAP
Trans. Time Error [Chip]	NCAP	NCAP	NCAP	NCAP
Phase Disc. [°]	NCAP	NCAP	NCAP	NCAP
OBW [MHz]	NCAP	NCAP	NCAP	NCAP

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WCDMA 1 Signaling ON

Band2-9400

WCDMA UE TX Measurement - V3.7.22 - Base V3.7.160

Multi Evaluation TPC Measurement PRACH DPCCH Open Loop Power Out-of-Sync Handling

UL Frequency: 1880.0000000 MHz Ref. Level: 32.40 dBm Connector: RF1COM Meas. Period: Full Slot

TX Measurement

1st Measured Slot No: 0 Statistic Count: 20 / 20

Statistics @ Pre. Slot 0	Current	Average	Maximum	StdDev.
Power [dBm]	NCAP	NCAP	NCAP	NCAP
Power Steps [dB]	NCAP	NCAP	NCAP	NCAP
EVM RMS [%]	NCAP	NCAP	NCAP	NCAP
EVM Peak [%]	NCAP	NCAP	NCAP	NCAP
Magnitude Error RMS [%]	NCAP	NCAP	NCAP	NCAP
Magnitude Error Peak [%]	NCAP	NCAP	NCAP	NCAP
Phase Error RMS [°]	NCAP	NCAP	NCAP	NCAP
Phase Error Peak [°]	NCAP	NCAP	NCAP	NCAP
IQ Origin Offset [dB]	NCAP	NCAP	NCAP	NCAP
IQ Imbalance [dB]	NCAP	NCAP	NCAP	NCAP
CF Error [Hz]	NCAP	NCAP	NCAP	NCAP
Trans. Time Error [Chip]	NCAP	NCAP	NCAP	NCAP
Phase Disc. [°]	NCAP	NCAP	NCAP	NCAP
OBW [MHz]	NCAP	NCAP	NCAP	NCAP

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WCDMA 1 Signaling ON

Band2-9538

WCDMA UE TX Measurement - V3.7.22 - Base V3.7.160

Multi Evaluation TPC Measurement PRACH DPCCH Open Loop Power Out-of-Sync Handling

UL Frequency: 1907.6000000 MHz Ref. Level: 32.40 dBm Connector: RF1COM Meas. Period: Full Slot

TX Measurement

1st Measured Slot No: 0 Statistic Count: 20 / 20

Statistics @ Pre. Slot 0	Current	Average	Maximum	StdDev.
Power [dBm]	NCAP	NCAP	NCAP	NCAP
Power Steps [dB]	NCAP	NCAP	NCAP	NCAP
EVM RMS [%]	NCAP	NCAP	NCAP	NCAP
EVM Peak [%]	NCAP	NCAP	NCAP	NCAP
Magnitude Error RMS [%]	NCAP	NCAP	NCAP	NCAP
Magnitude Error Peak [%]	NCAP	NCAP	NCAP	NCAP
Phase Error RMS [°]	NCAP	NCAP	NCAP	NCAP
Phase Error Peak [°]	NCAP	NCAP	NCAP	NCAP
IQ Origin Offset [dB]	NCAP	NCAP	NCAP	NCAP
IQ Imbalance [dB]	NCAP	NCAP	NCAP	NCAP
CF Error [Hz]	NCAP	NCAP	NCAP	NCAP
Trans. Time Error [Chip]	NCAP	NCAP	NCAP	NCAP
Phase Disc. [°]	NCAP	NCAP	NCAP	NCAP
OBW [MHz]	NCAP	NCAP	NCAP	NCAP

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WCDMA 1 Signaling ON

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