

Test Date of WCDMA_B5**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
Band5	4132	22.48	0.98	23.46	38.45	PASS
Band5	4182	22.35	0.98	23.33	38.45	PASS
Band5	4233	22.51	0.98	23.49	38.45	PASS

Band	Channel	SubTest	Power(dBm)	Antenna Gain	ERP/EIRP(dBm)	Limit(dBm)	Verdict
Band5	4132	1	21.58	0.98	22.56	38.5	PASS
Band5	4132	2	21.66	0.98	22.64	38.5	PASS
Band5	4132	3	21.64	0.98	22.62	38.5	PASS
Band5	4132	4	21.64	0.98	22.62	38.5	PASS
Band5	4182	1	21.53	0.98	22.51	38.5	PASS
Band5	4182	2	21.51	0.98	22.49	38.5	PASS
Band5	4182	3	21.49	0.98	22.47	38.5	PASS
Band5	4182	4	21.52	0.98	22.5	38.5	PASS
Band5	4233	1	21.62	0.98	22.6	38.5	PASS
Band5	4233	2	21.65	0.98	22.63	38.5	PASS
Band5	4233	3	21.63	0.98	22.61	38.5	PASS
Band5	4233	4	21.64	0.98	22.62	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Antenna Gain	ERP/EIRP(dBm)	Limit(dBm)	Verdict
Band5	4132	1	17.31	0.98	18.29	38.5	PASS
Band5	4132	2	20.03	0.98	21.01	38.5	PASS
Band5	4132	3	20.03	0.98	21.01	38.5	PASS
Band5	4132	4	20.07	0.98	21.05	38.5	PASS
Band5	4132	5	21.40	0.98	22.38	38.5	PASS
Band5	4182	1	19.91	0.98	20.89	38.5	PASS
Band5	4182	2	20.18	0.98	21.16	38.5	PASS
Band5	4182	3	20.17	0.98	21.15	38.5	PASS
Band5	4182	4	20.11	0.98	21.09	38.5	PASS
Band5	4182	5	21.55	0.98	22.53	38.5	PASS
Band5	4233	1	20.29	0.98	21.27	38.5	PASS

Band5	4233	2	20.31	0.98	21.29	38.5	PASS
Band5	4233	3	20.30	0.98	21.28	38.5	PASS
Band5	4233	4	20.30	0.98	21.28	38.5	PASS
Band5	4233	5	21.49	0.98	22.47	38.5	PASS

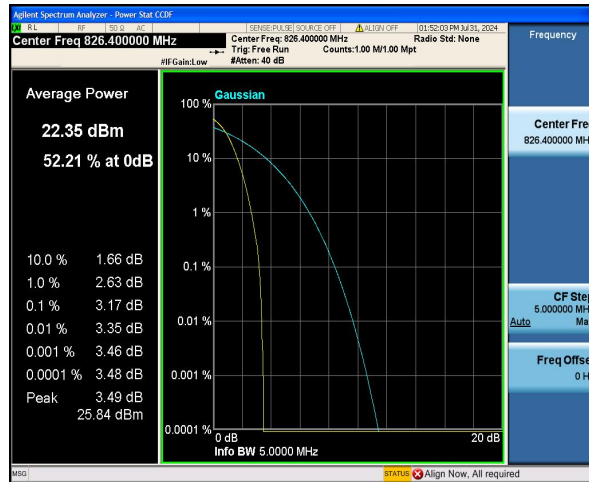
Appendix B: Peak-to-Average Ratio

Test Result

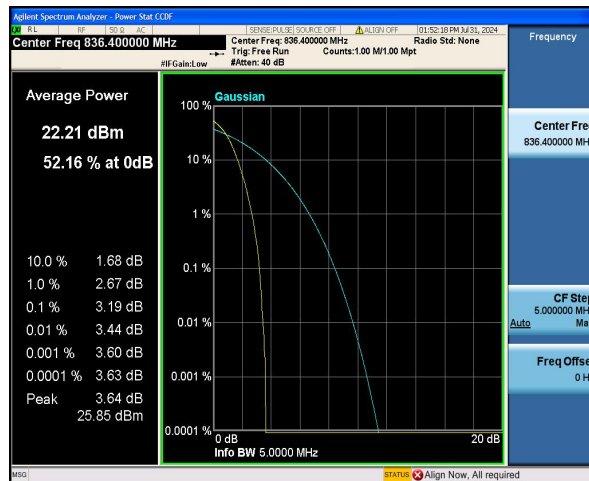
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	3.17	13	PASS
Band5	4182	3.19	13	PASS
Band5	4233	3.11	13	PASS

Test Graphs

Band5-4132



Band5-4182



Band5-4233



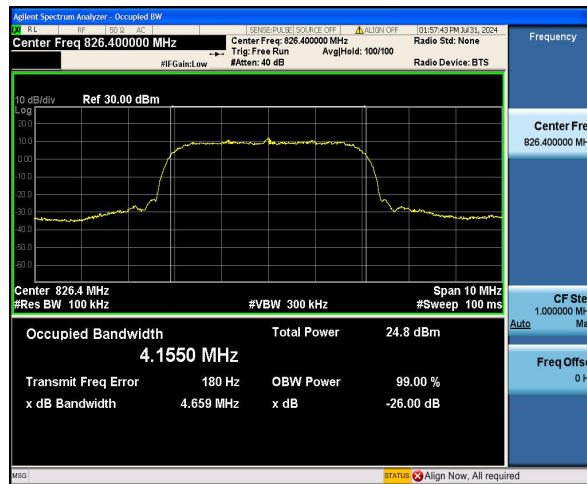
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

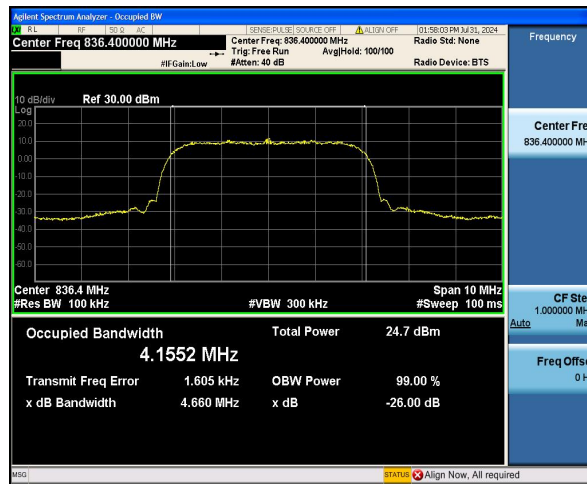
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band5	4132	4.1550	4.659	---	PASS
Band5	4182	4.1552	4.660	---	PASS
Band5	4233	4.1545	4.665	---	PASS

Test Graphs

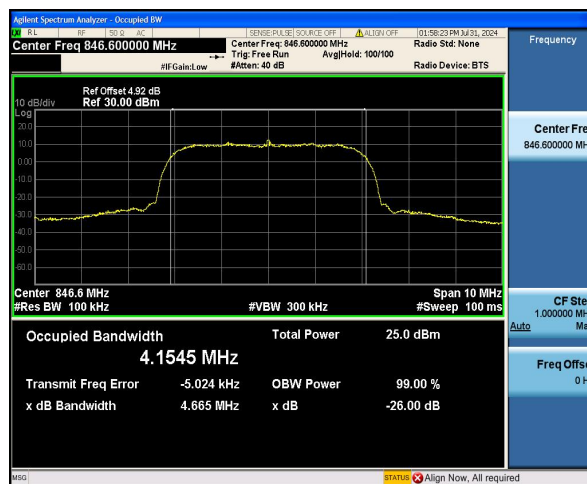
Band5-4132



Band5-4182



Band5-4233



Appendix D: Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.94	-24.83	-13	PASS
Band5	4233	849.06	-26.49	-13	PASS

Test Graphs

Band5-4132



Band5-4233



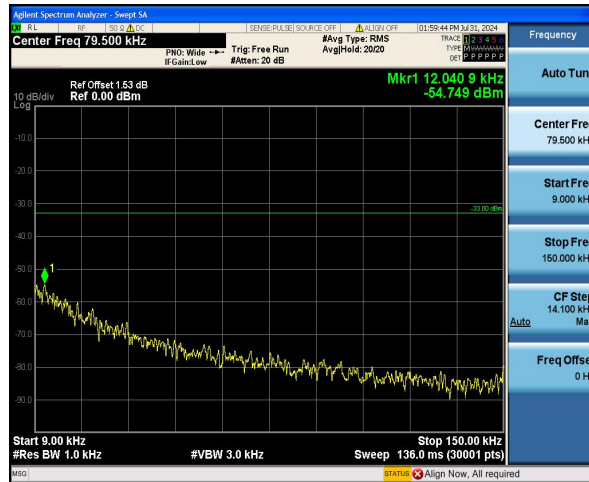
Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-54.75	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.74	-13	PASS
Band5	4132	30~1000MHz	952.99	-58.68	-13	PASS
Band5	4132	1000~10000MHz	6014.8	-40.22	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-54.99	-33	PASS
Band5	4182	0.15~30MHz	0.15	-46.41	-13	PASS
Band5	4182	30~1000MHz	309.49	-59.21	-13	PASS
Band5	4182	1000~10000MHz	3141.7	-39.99	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.42	-33	PASS
Band5	4233	0.15~30MHz	0.17	-48.4	-13	PASS
Band5	4233	30~1000MHz	964.66	-57.77	-13	PASS
Band5	4233	1000~10000MHz	3177.4	-39.9	-13	PASS

Test Graphs

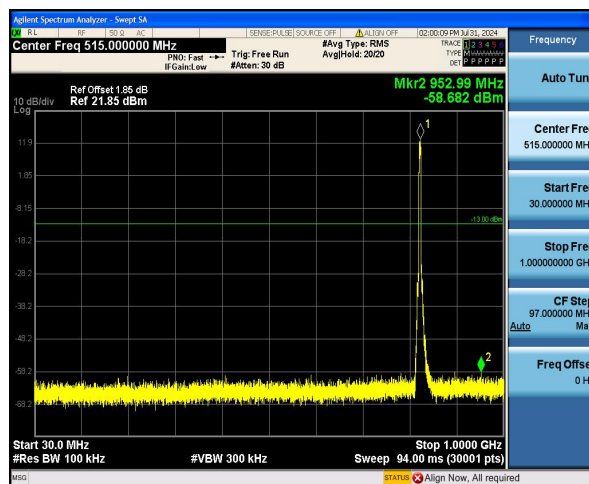
Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz



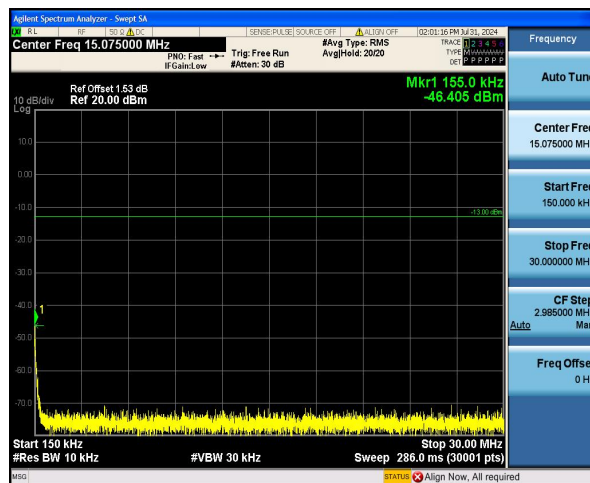
Band5-4132-1000~10000MHz



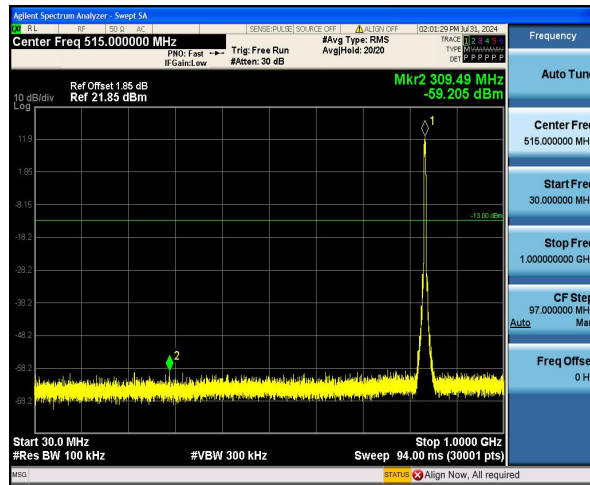
Band5-4182-0.009~0.15MHz



Band5-4182-0.15~30MHz



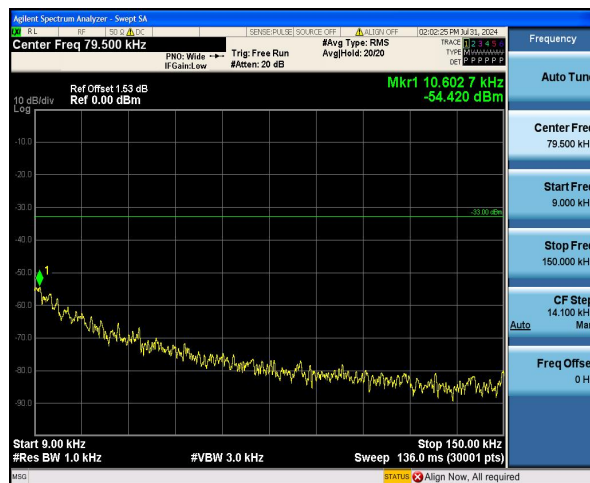
Band5-4182-30~1000MHz



Band5-4182-1000~10000MHz



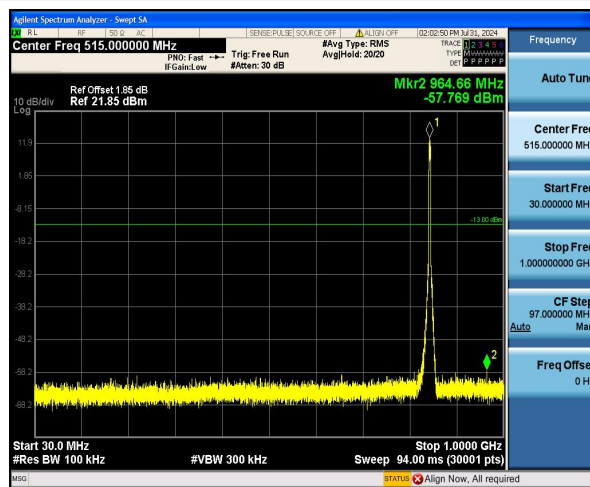
Band5-4233-0.009~0.15MHz



Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	2.30	0.002783	±2.5	PASS
Band5	4132	VN	NT	0.57	0.000690	±2.5	PASS
Band5	4132	VH	NT	0.91	0.001101	±2.5	PASS
Band5	4182	VL	NT	-1.65	-0.001973	±2.5	PASS
Band5	4182	VN	NT	0.12	0.000143	±2.5	PASS
Band5	4182	VH	NT	-1.02	-0.001220	±2.5	PASS
Band5	4233	VL	NT	-0.41	-0.000484	±2.5	PASS
Band5	4233	VN	NT	0.00	0.000000	±2.5	PASS
Band5	4233	VH	NT	-2.19	-0.002587	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-0.45	-0.000545	±2.5	PASS
Band5	4132	NV	-20	-1.04	-0.001258	±2.5	PASS
Band5	4132	NV	0	-1.88	-0.002275	±2.5	PASS
Band5	4132	NV	10	-1.62	-0.001960	±2.5	PASS
Band5	4132	NV	20	0.20	0.000242	±2.5	PASS
Band5	4182	NV	-30	0.24	0.000287	±2.5	PASS
Band5	4182	NV	-20	-0.65	-0.000777	±2.5	PASS
Band5	4182	NV	0	-0.41	-0.000490	±2.5	PASS
Band5	4182	NV	10	-0.51	-0.000610	±2.5	PASS
Band5	4182	NV	20	-0.24	-0.000287	±2.5	PASS
Band5	4233	NV	-30	-1.19	-0.001406	±2.5	PASS
Band5	4233	NV	-20	-0.76	-0.000898	±2.5	PASS
Band5	4233	NV	0	-1.54	-0.001819	±2.5	PASS
Band5	4233	NV	10	-0.78	-0.000921	±2.5	PASS
Band5	4233	NV	20	-0.36	-0.000425	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band5	4132	PASS	PASS
Band5	4182	PASS	PASS
Band5	4233	PASS	PASS

Test Graphs

Band5-4132

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

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

UL Frequency: 826.4000000 MHz Ref Level: 30.30 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

Band5-4182

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

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

UL Frequency: 836.4000000 MHz Ref Level: 30.30 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

Band5-4233

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

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

UL Frequency: 846.6000000 MHz Ref Level: 30.30 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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