



RF TEST REPORT

Product Name: T-BOX

Model Name: ZDCB01

FCC ID: 2AEQT-DSTBX002

Issued For : Huizhou Desay SV Automotive Co., Ltd.

No. 103, Hechang 5th Road West, Zhongkai National Hi-tech
Industrial Development Zone, Huizhou City, Guangdong
Province, P.R. China

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan
District, Shenzhen, Guangdong, China

Report Number: LGT25F032RF01

Sample Received Date: Jun. 10, 2025

Date of Test: Jun. 10, 2025 – Jun. 18, 2025

Date of Issue: Jun. 19, 2025

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TEST REPORT CERTIFICATION

Applicant: Huizhou Desay SV Automotive Co., Ltd.
Address: No. 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, Guangdong Province, P.R. China
Manufacturer: Huizhou Desay SV Automotive Co., Ltd.
Address: No. 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, Guangdong Province, P.R. China
Product Name: T-BOX
Trademark: DESAY SV
Model Name: ZDCB01
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 22H and 24E, 27 KDB 971168 D01 v03r01, ANSI C63.26(2015)	PASS

Prepared by:

Zane Shan

Zane Shan
Engineer

Approved by:

Vita Li

Vita Li
Technical Director



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Revision History

Rev.	Issue Date	Contents
00	Jun. 19, 2025	Initial Issue

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

The radiated emission testing was performed according to the procedures of KDB 971168 D01 v03r01 and ANSI C63.26-2015

FCC Rules	Test Description	Test Limit	Test Result	Reference
2.1046	Conducted Output Power	Reporting Only	N/A	
22.913d 24.232d	Peak-to-Average Ratio	< 13 dB	N/A	
2.1046 22.913 24.232 27.50	Effective Radiated Power/Equivalent Isotropic Radiated Power	< 7 Watts max. ERP(Part 22) < 2 Watts max. EIRP(Part 24) <1 Watts max. EIRP(Part 27)	N/A	
2.1049 22.917 24.238 27.53	Occupied Bandwidth	Reporting Only	N/A	
2.1055 22.355 24.235 27.54	Frequency Stability	< 2.5 ppm (Part 22) Emission must remain in band (Part 24) Emission must remain in band (Part 27)	N/A	
2.1051 22.917 24.238 27.53	Spurious Emission at Antenna Terminals	< 43+10log10(P[Watts])	N/A	
2.1053 22.917 24.238 27.53	Field Strength of Spurious Radiation	< 43+10log10(P[Watts])	PASS	
2.1051 22.917 24.238 27.53	Band Edge	< 43+10log10(P[Watts])	N/A	

Note: Base on original FCC ID: 2AEQT-DSTBX002, add an optional antenna configuration(See page 6), update software version, retest RSE, no more test required.

2 INTRODUCTION

2.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136

2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.26. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement data shown herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.68\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.84\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.39\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
6	All emissions, radiated >6G	$\pm 5.48\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.79\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.80\text{dB}$

Note: The measurement uncertainty is not included in the test result.

3. PRODUCT INFORMATION

Product Name:	T-BOX
Trademark:	DESAY SV
Model Name:	ZDCB01
Series Model:	N/A
Model Difference:	N/A
Tx Frequency:	GPRS/EGPRS: 850: 824 MHz ~ 849MHz 1900: 1850 MHz ~ 1910MHz WCDMA: Band V: 824 MHz ~ 849 MHz Band II: 1850 MHz ~ 1910 MHz Band IV: 1710 MHz ~ 1755 MHz
Rx Frequency:	GPRS/EGPRS: 850: 869 MHz ~ 894 MHz 1900: 1930 MHz ~ 1990MHz WCDMA: Band V: 869 MHz ~ 894 MHz Band II: 1930 MHz ~ 1990 MHz Band IV: 2110 MHz ~ 2155 MHz
Modulation Characteristics:	GMSK for GPRS; GMSK and 8PSK for EDGE WCDMA: QPSK, 16QAM
SIM Card:	Only one SIM card.
Antenna gain:	2G 850: 1.2dBi, 2G 1900: 1.95dBi 3G WCDMA BAND 2: 1.95dBi 3G WCDMA BAND 4: 2.31dBi 3G WCDMA BAND 5: 1.2dBi
Rating:	Input: DC 9V~16V 0.5A
GPRS Class:	Multi-Class12
Extreme Vol. Limits:	10.8V to 13.2V (Nominal 12V)
Extreme Temp. Tolerance:	-40°C to + 85°C
Hardware version:	0.0.3
Software version:	DSW03.11

**** Note:** The High Voltage 13.2V and Low Voltage 10.8V was declared by manufacturer, The EUT couldn't be operate normally with higher or lower voltage, the antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.

Antenna Configuration	Configuration 1	4G GPS Antenna (MT40BQ)
	Configuration 2 (New)	Shark fin Antenna (TXC802) and 4G Antenna (MT40E1)

4 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 10th harmonic for GSM850/WCDMA Band V.
2. 30 MHz to 10th harmonic for GSM1900 and WCDMA Band II/ WCDMA Band IV.

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst-case configuration below:

	TEST MODES	
	RADIATED TCS	CONDUCTED TCS
BAND		
GSM 850	GPRS/EDGE CLASS 12 LINK	N/A
GSM 1900	GPRS/EDGE CLASS 12 LINK	N/A
WCDMA BAND V	RMC 12.2KBPS LINK	N/A
WCDMA BAND IV	RMC 12.2KBPS LINK	N/A
WCDMA BAND II	RMC 12.2KBPS LINK	N/A

5 MEASUREMENT INSTRUMENTS

Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
Active loop Antenna	ETS	6502	00049544	2025.03.11	2028.03.10
Spectrum Analyzer	Keysight	N9010B	MY60242508	2025.03.05	2026.03.04
Trilog Broadband Antenna (30M-1G)	SCHWARZBECK	VULB 9168	2705	2024.05.17	2027.05.16
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2025.03.10	2028.03.09
Horn Antenna(18-40G)	SCHWARZBECK	BBHA 9170	685	2023.10.23	2026.10.22
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2025.03.06	2026.03.05
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2025.03.06	2026.03.05
Pre-amplifier(18-40G)	SCHWARZBECK	BBV 9721	9721-019	2024.10.21	2025.10.20
Wireless Communications Test Set	R&S	CMW 500	137737	2025.03.05	2026.03.04
Antenna Tower	SAEMC	BK-4AT-BS-D	SK2021093008	N.A	N.A
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				

Equipment with a calibration date of “NCR” shown in this list was not used to make direct calibrated measurements.

6 TEST ITEMS

6.1 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

TEST OVERVIEW

Radiated spurious emissions measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power and at the appropriate frequencies.

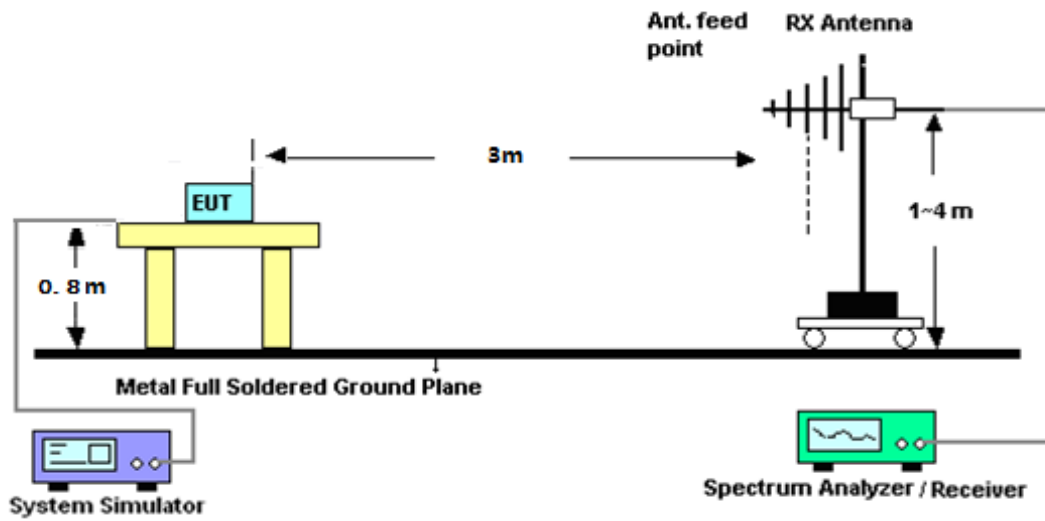
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

TEST PROCEDURE

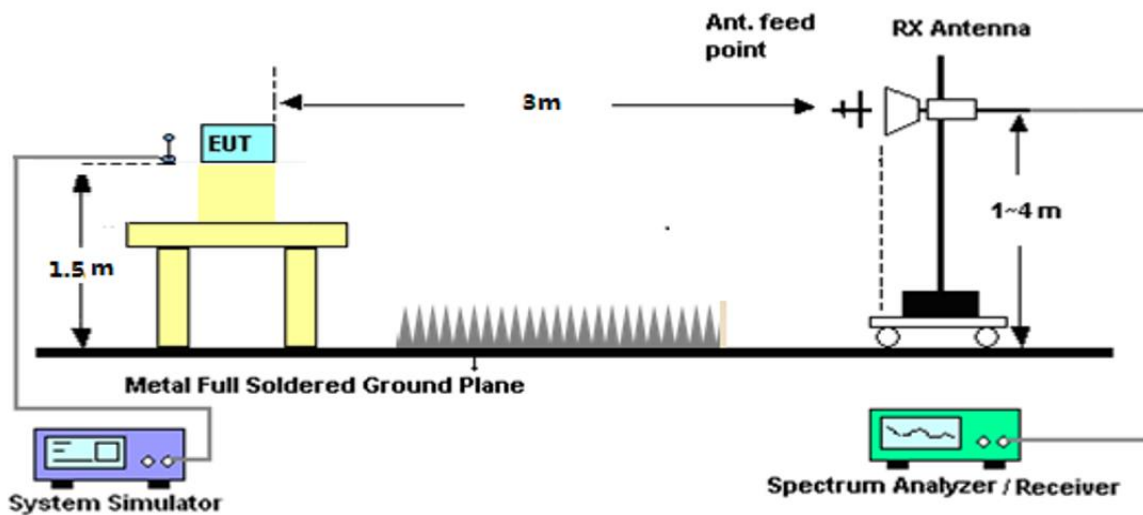
1. The testing FCC KDB 971168 D01 Section 5.8 and ANSI C63.26-2015-Section 5.5.
2. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $> 2 \times$ span/RBW
6. Detector = Peak
7. Trace mode = max hold
8. The trace was allowed to stabilize
9. Effective Isotropic Spurious Radiation was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna.
 $P_{Mea} = S.G \text{ Level} + \text{Ant-Cable loss}$; $\text{Margin} = P_{Mea} - \text{Limit}$.

TEST SETUP

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



TEST RESULT

Note: Test data See APPENDIX I.

APPENDIX I. TESTRESULT

2G

RADIATED SPURIOUS EMISSION

Note: (1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.

(2) Test is divided into three directions, X/Y/Z. X pattern for the worst.

GSM 850: (30-9000)MHz							
The Worst Test Results Channel 128/824.2 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1648.03	-53.86	7.40	4.75	-51.21	-13.00	-38.21	H
2472.22	-49.99	8.20	8.39	-50.18	-13.00	-37.18	H
3296.67	-51.75	7.20	11.79	-56.34	-13.00	-43.34	H
1648.33	-53.82	7.40	4.75	-51.17	-13.00	-38.17	V
2472.23	-49.12	8.20	8.39	-49.31	-13.00	-36.31	V
3296.77	-47.40	7.20	11.79	-51.99	-13.00	-38.99	V
The Worst Test Results Channel 190/836.6 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.83	-54.89	7.40	4.76	-52.25	-13.00	-39.25	H
2509.48	-49.35	8.20	8.40	-49.55	-13.00	-36.55	H
3346.16	-51.88	7.20	11.80	-56.48	-13.00	-43.48	H
1673.25	-54.38	7.40	4.75	-51.73	-13.00	-38.73	V
2509.91	-50.11	8.20	8.39	-50.30	-13.00	-37.30	V
3346.26	-46.21	7.20	11.82	-50.83	-13.00	-37.83	V
The Worst Test Results Channel 251/848.8 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1697.52	-53.89	7.40	4.77	-51.26	-13.00	-38.26	H
2546.34	-50.08	8.20	8.50	-50.38	-13.00	-37.38	H
3394.84	-51.14	7.20	11.90	-55.84	-13.00	-42.84	H
1697.49	-54.03	7.40	4.77	-51.40	-13.00	-38.40	V
2546.30	-49.11	8.20	8.50	-49.41	-13.00	-36.41	V
3395.12	-46.40	7.20	11.90	-51.10	-13.00	-38.10	V

EGPRS 850: (30-9000)MHz							
The Worst Test Results Channel 128/824.2 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1648.38	-54.91	7.40	4.75	-52.26	-13.00	-39.26	H
2472.61	-48.93	8.20	8.39	-49.12	-13.00	-36.12	H
3296.43	-51.63	7.20	11.79	-56.22	-13.00	-43.22	H
1648.11	-54.54	7.40	4.75	-51.89	-13.00	-38.89	V
2472.45	-48.92	8.20	8.39	-49.11	-13.00	-36.11	V
3296.66	-46.63	7.20	11.79	-51.22	-13.00	-38.22	V
The Worst Test Results Channel 190/836.6 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1673.00	-54.88	7.40	4.76	-52.24	-13.00	-39.24	H
2509.78	-48.77	8.20	8.40	-48.97	-13.00	-35.97	H
3346.27	-51.39	7.20	11.80	-55.99	-13.00	-42.99	H
1673.07	-54.62	7.40	4.75	-51.97	-13.00	-38.97	V
2509.69	-49.57	8.20	8.39	-49.76	-13.00	-36.76	V
3346.26	-46.00	7.20	11.82	-50.62	-13.00	-37.62	V
The Worst Test Results Channel 251/848.8 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1697.22	-55.11	7.40	4.77	-52.48	-13.00	-39.48	H
2546.28	-49.21	8.20	8.50	-49.51	-13.00	-36.51	H
3395.18	-52.16	7.20	11.90	-56.86	-13.00	-43.86	H
1697.61	-53.99	7.40	4.77	-51.36	-13.00	-38.36	V
2546.44	-48.84	8.20	8.50	-49.14	-13.00	-36.14	V
3395.13	-47.20	7.20	11.90	-51.90	-13.00	-38.90	V

PCS 1900: (30-20000)MHz							
The Worst Test Results for Channel 512/1850.2MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3700.20	-46.16	7.00	12.93	-52.09	-13.00	-39.09	H
5550.61	-41.31	8.40	17.11	-50.02	-13.00	-37.02	H
7400.58	-35.72	8.30	22.20	-49.62	-13.00	-36.62	H
3700.22	-46.89	7.00	12.93	-52.82	-13.00	-39.82	V
5550.67	-40.77	8.40	17.11	-49.48	-13.00	-36.48	V
7400.53	-35.03	8.30	22.20	-48.93	-13.00	-35.93	V
The Worst Test Results for Channel 661/1880.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.89	-46.76	7.00	12.93	-52.69	-13.00	-39.69	H
5640.09	-40.91	8.40	17.11	-49.62	-13.00	-36.62	H
7520.25	-35.68	8.30	22.20	-49.58	-13.00	-36.58	H
3760.23	-46.09	7.00	12.93	-52.02	-13.00	-39.02	V
5640.12	-41.66	8.40	17.11	-50.37	-13.00	-37.37	V
7520.04	-35.21	8.30	22.20	-49.11	-13.00	-36.11	V
The Worst Test Results for Channel 810/1909.8MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3819.28	-46.43	7.00	12.93	-52.36	-13.00	-39.36	H
5729.03	-41.95	8.40	17.11	-50.66	-13.00	-37.66	H
7639.24	-34.78	8.30	22.20	-48.68	-13.00	-35.68	H
3819.67	-46.87	7.00	12.93	-52.80	-13.00	-39.80	V
5729.48	-42.14	8.40	17.11	-50.85	-13.00	-37.85	V
7639.32	-35.33	8.30	22.20	-49.23	-13.00	-36.23	V

EGPRS 1900: (30-20000)MHz							
The Worst Test Results for Channel 512/1850.2MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3700.28	-46.41	7.00	12.93	-52.34	-13.00	-39.34	H
5550.45	-40.72	8.40	17.11	-49.43	-13.00	-36.43	H
7400.81	-35.76	8.30	22.20	-49.66	-13.00	-36.66	H
3700.51	-46.95	7.00	12.93	-52.88	-13.00	-39.88	V
5550.67	-41.49	8.40	17.11	-50.20	-13.00	-37.20	V
7400.66	-34.74	8.30	22.20	-48.64	-13.00	-35.64	V
The Worst Test Results for Channel 661/1880.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.81	-46.00	7.00	12.93	-51.93	-13.00	-38.93	H
5639.97	-41.75	8.40	17.11	-50.46	-13.00	-37.46	H
7520.11	-34.74	8.30	22.20	-48.64	-13.00	-35.64	H
3760.24	-46.40	7.00	12.93	-52.33	-13.00	-39.33	V
5640.20	-41.98	8.40	17.11	-50.69	-13.00	-37.69	V
7520.09	-35.27	8.30	22.20	-49.17	-13.00	-36.17	V
The Worst Test Results for Channel 810/1909.8MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3819.71	-46.91	7.00	12.93	-52.84	-13.00	-39.84	H
5729.05	-41.08	8.40	17.11	-49.79	-13.00	-36.79	H
7639.05	-35.62	8.30	22.20	-49.52	-13.00	-36.52	H
3819.71	-47.28	7.00	12.93	-53.21	-13.00	-40.21	V
5729.33	-41.41	8.40	17.11	-50.12	-13.00	-37.12	V
7638.91	-36.07	8.30	22.20	-49.97	-13.00	-36.97	V

3G**RADIATED SPURIOUS EMISSION**

Note:

(1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.

(2) Test is divided into three directions, X/Y/Z. X pattern for the worst.

WCDMA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.35	-40.24	7.00	12.93	-46.17	-13.00	-33.17	H
5557.52	-32.17	8.20	17.11	-41.08	-13.00	-28.08	H
7409.87	-34.05	8.10	22.20	-48.15	-13.00	-35.15	H
3704.24	-43.44	7.00	12.93	-49.37	-13.00	-36.37	V
5557.62	-33.03	8.20	17.11	-41.94	-13.00	-28.94	V
7409.77	-27.34	8.10	22.20	-41.44	-13.00	-28.44	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.77	-39.52	7.00	12.93	-45.45	-13.00	-32.45	H
5639.97	-32.57	8.20	17.11	-41.48	-13.00	-28.48	H
7519.84	-32.28	8.10	22.20	-46.38	-13.00	-33.38	H
3760.18	-42.52	7.00	12.93	-48.45	-13.00	-35.45	V
5639.98	-32.41	8.20	17.11	-41.32	-13.00	-28.32	V
7520.21	-28.26	8.10	22.20	-42.36	-13.00	-29.36	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.61	-39.74	7.00	12.93	-45.67	-13.00	-32.67	H
5722.37	-33.22	8.20	17.11	-42.13	-13.00	-29.13	H
7630.04	-32.53	8.10	22.20	-46.63	-13.00	-33.63	H
3815.66	-42.14	7.00	12.93	-48.07	-13.00	-35.07	V
5722.09	-32.21	8.20	17.11	-41.12	-13.00	-28.12	V
7630.11	-27.67	8.10	22.20	-41.77	-13.00	-28.77	V

HSDPA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.37	-39.87	7.00	12.93	-45.80	-13.00	-32.80	H
5557.20	-32.51	8.20	17.11	-41.42	-13.00	-28.42	H
7409.69	-32.96	8.10	22.20	-47.06	-13.00	-34.06	H
3704.24	-42.84	7.00	12.93	-48.77	-13.00	-35.77	V
5557.46	-33.05	8.20	17.11	-41.96	-13.00	-28.96	V
7409.75	-28.46	8.10	22.20	-42.56	-13.00	-29.56	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3760.25	-40.09	7.00	12.93	-46.02	-13.00	-33.02	H
5639.89	-32.08	8.20	17.11	-40.99	-13.00	-27.99	H
7520.12	-32.03	8.10	22.20	-46.13	-13.00	-33.13	H
3760.23	-42.93	7.00	12.93	-48.86	-13.00	-35.86	V
5640.06	-30.86	8.20	17.11	-39.77	-13.00	-26.77	V
7519.95	-28.28	8.10	22.20	-42.38	-13.00	-29.38	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.50	-40.43	7.00	12.93	-46.36	-13.00	-33.36	H
5722.34	-34.03	8.20	17.11	-42.94	-13.00	-29.94	H
7630.14	-32.96	8.10	22.20	-47.06	-13.00	-34.06	H
3815.61	-42.32	7.00	12.93	-48.25	-13.00	-35.25	V
5722.20	-32.20	8.20	17.11	-41.11	-13.00	-28.11	V
7630.25	-27.16	8.10	22.20	-41.26	-13.00	-28.26	V

HSUPA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.08	-35.37	7.00	12.93	-41.30	-13.00	-28.30	H
5557.23	-34.01	8.20	17.11	-42.92	-13.00	-29.92	H
7409.90	-29.29	8.10	22.20	-43.39	-13.00	-30.39	H
3704.32	-37.15	7.00	12.93	-43.08	-13.00	-30.08	V
5557.57	-33.21	8.20	17.11	-42.12	-13.00	-29.12	V
7409.74	-28.11	8.10	22.20	-42.21	-13.00	-29.21	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3760.24	-35.90	7.00	12.93	-41.83	-13.00	-28.83	H
5640.07	-34.16	8.20	17.11	-43.07	-13.00	-30.07	H
7519.94	-33.80	8.10	22.20	-47.90	-13.00	-34.90	H
3760.30	-37.76	7.00	12.93	-43.69	-13.00	-30.69	V
5640.09	-33.11	8.20	17.11	-42.02	-13.00	-29.02	V
7520.01	-27.32	8.10	22.20	-41.42	-13.00	-28.42	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.32	-35.56	7.00	12.93	-41.49	-13.00	-28.49	H
5722.03	-33.46	8.20	17.11	-42.37	-13.00	-29.37	H
7630.23	-28.20	8.10	22.20	-42.30	-13.00	-29.30	H
3815.38	-38.14	7.00	12.93	-44.07	-13.00	-31.07	V
5722.33	-36.41	8.20	17.11	-45.32	-13.00	-32.32	V
7630.20	-28.21	8.10	22.20	-42.31	-13.00	-29.31	V

WCDMA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3424.87	-35.87	7.20	12.05	-40.72	-13.00	-27.72	H
5137.76	-27.32	7.90	16.27	-35.69	-13.00	-22.69	H
6850.29	-24.91	8.30	20.13	-36.74	-13.00	-23.74	H
3424.97	-37.18	7.20	12.05	-42.03	-13.00	-29.03	V
5137.35	-34.25	7.90	16.27	-42.62	-13.00	-29.62	V
6849.95	-30.33	8.30	20.13	-42.16	-13.00	-29.16	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.68	-33.06	7.20	12.05	-37.91	-13.00	-24.91	H
5219.74	-34.52	7.90	16.27	-42.89	-13.00	-29.89	H
6959.99	-35.26	8.30	20.13	-47.09	-13.00	-34.09	H
3479.92	-33.00	7.20	12.05	-37.85	-13.00	-24.85	V
5219.67	-34.16	7.90	16.27	-42.53	-13.00	-29.53	V
6959.83	-34.44	8.30	20.13	-46.27	-13.00	-33.27	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.76	-38.28	7.20	12.05	-43.13	-13.00	-30.13	H
5256.75	-31.64	7.90	16.27	-40.01	-13.00	-27.01	H
7009.19	-25.35	8.30	20.13	-37.18	-13.00	-24.18	H
3504.64	-35.80	7.20	12.05	-40.65	-13.00	-27.65	V
5256.77	-34.66	7.90	16.27	-43.03	-13.00	-30.03	V
7009.32	-30.37	8.30	20.13	-42.20	-13.00	-29.20	V

HSDPA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3424.98	-35.22	7.20	12.05	-40.07	-13.00	-27.07	H
5137.43	-27.89	7.90	16.27	-36.26	-13.00	-23.26	H
6850.33	-25.04	8.30	20.13	-36.87	-13.00	-23.87	H
3425.13	-37.03	7.20	12.05	-41.88	-13.00	-28.88	V
5137.71	-33.21	7.90	16.27	-41.58	-13.00	-28.58	V
6850.01	-30.20	8.30	20.13	-42.03	-13.00	-29.03	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.59	-33.38	7.20	12.05	-38.23	-13.00	-25.23	H
5219.67	-35.44	7.90	16.27	-43.81	-13.00	-30.81	H
6959.80	-36.16	8.30	20.13	-47.99	-13.00	-34.99	H
3479.85	-33.44	7.20	12.05	-38.29	-13.00	-25.29	V
5219.94	-33.81	7.90	16.27	-42.18	-13.00	-29.18	V
6959.94	-35.40	8.30	20.13	-47.23	-13.00	-34.23	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.72	-39.21	7.20	12.05	-44.06	-13.00	-31.06	H
5256.90	-31.99	7.90	16.27	-40.36	-13.00	-27.36	H
7009.11	-24.19	8.30	20.13	-36.02	-13.00	-23.02	H
3504.57	-35.94	7.20	12.05	-40.79	-13.00	-27.79	V
5256.82	-35.44	7.90	16.27	-43.81	-13.00	-30.81	V
7009.54	-30.32	8.30	20.13	-42.15	-13.00	-29.15	V

HSUPA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3424.79	-35.07	7.20	12.05	-39.92	-13.00	-26.92	H
5137.57	-27.90	7.90	16.27	-36.27	-13.00	-23.27	H
6850.17	-24.67	8.30	20.13	-36.50	-13.00	-23.50	H
3424.72	-38.01	7.20	12.05	-42.86	-13.00	-29.86	V
5137.49	-33.44	7.90	16.27	-41.81	-13.00	-28.81	V
6850.21	-29.79	8.30	20.13	-41.62	-13.00	-28.62	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.59	-32.75	7.20	12.05	-37.60	-13.00	-24.60	H
5219.95	-35.22	7.90	16.27	-43.59	-13.00	-30.59	H
6959.59	-35.01	8.30	20.13	-46.84	-13.00	-33.84	H
3479.68	-33.03	7.20	12.05	-37.88	-13.00	-24.88	V
5219.68	-33.34	7.90	16.27	-41.71	-13.00	-28.71	V
6959.92	-34.08	8.30	20.13	-45.91	-13.00	-32.91	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.50	-38.75	7.20	12.05	-43.60	-13.00	-30.60	H
5256.91	-32.25	7.90	16.27	-40.62	-13.00	-27.62	H
7009.16	-24.78	8.30	20.13	-36.61	-13.00	-23.61	H
3504.73	-35.33	7.20	12.05	-40.18	-13.00	-27.18	V
5256.73	-34.92	7.90	16.27	-43.29	-13.00	-30.29	V
7009.32	-30.46	8.30	20.13	-42.29	-13.00	-29.29	V

WCDMA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.31	-45.29	7.40	4.75	-42.64	-13.00	-29.64	H
2479.64	-43.92	8.30	8.39	-44.01	-13.00	-31.01	H
3305.75	-40.64	7.20	11.79	-45.23	-13.00	-32.23	H
1652.05	-49.30	7.40	4.75	-46.65	-13.00	-33.65	V
2479.32	-45.09	8.30	8.39	-45.18	-13.00	-32.18	V
3305.64	-46.29	7.20	11.79	-50.88	-13.00	-37.88	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.96	-45.88	7.40	4.75	-43.23	-13.00	-30.23	H
2509.91	-43.71	8.30	8.39	-43.80	-13.00	-30.80	H
3346.00	-40.87	7.20	11.79	-45.46	-13.00	-32.46	H
1673.01	-49.07	7.40	4.75	-46.42	-13.00	-33.42	V
2509.82	-45.87	8.30	8.39	-45.96	-13.00	-32.96	V
3346.31	-46.19	7.20	11.79	-50.78	-13.00	-37.78	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.61	-45.39	7.40	4.75	-42.74	-13.00	-29.74	H
2539.19	-43.41	8.30	8.39	-43.50	-13.00	-30.50	H
3385.96	-40.73	7.20	11.79	-45.32	-13.00	-32.32	H
1693.33	-49.02	7.40	4.75	-46.37	-13.00	-33.37	V
2539.44	-45.89	8.30	8.39	-45.98	-13.00	-32.98	V
3386.07	-45.41	7.20	11.79	-50.00	-13.00	-37.00	V

HSDPA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.33	-45.73	7.40	4.75	-43.08	-13.00	-30.08	H
2479.59	-43.46	8.30	8.39	-43.55	-13.00	-30.55	H
3305.67	-40.41	7.20	11.79	-45.00	-13.00	-32.00	H
1652.14	-48.40	7.40	4.75	-45.75	-13.00	-32.75	V
2479.48	-46.40	8.30	8.39	-46.49	-13.00	-33.49	V
3305.71	-45.88	7.20	11.79	-50.47	-13.00	-37.47	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1673.17	-45.37	7.40	4.75	-42.72	-13.00	-29.72	H
2509.80	-43.82	8.30	8.39	-43.91	-13.00	-30.91	H
3346.21	-40.01	7.20	11.79	-44.60	-13.00	-31.60	H
1673.17	-48.11	7.40	4.75	-45.46	-13.00	-32.46	V
2509.56	-45.22	8.30	8.39	-45.31	-13.00	-32.31	V
3346.02	-45.90	7.20	11.79	-50.49	-13.00	-37.49	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.39	-45.06	7.40	4.75	-42.41	-13.00	-29.41	H
2539.33	-44.41	8.30	8.39	-44.50	-13.00	-31.50	H
3386.10	-40.96	7.20	11.79	-45.55	-13.00	-32.55	H
1693.29	-48.31	7.40	4.75	-45.66	-13.00	-32.66	V
2539.19	-45.12	8.30	8.39	-45.21	-13.00	-32.21	V
3386.20	-45.39	7.20	11.79	-49.98	-13.00	-36.98	V

HSUPA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.02	-45.09	7.40	4.75	-42.44	-13.00	-29.44	H
2479.25	-44.41	8.30	8.39	-44.50	-13.00	-31.50	H
3305.52	-41.33	7.20	11.79	-45.92	-13.00	-32.92	H
1652.44	-49.07	7.40	4.75	-46.42	-13.00	-33.42	V
2479.34	-46.19	8.30	8.39	-46.28	-13.00	-33.28	V
3305.50	-45.49	7.20	11.79	-50.08	-13.00	-37.08	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1673.11	-45.23	7.40	4.75	-42.58	-13.00	-29.58	H
2509.61	-44.27	8.30	8.39	-44.36	-13.00	-31.36	H
3346.40	-40.56	7.20	11.79	-45.15	-13.00	-32.15	H
1672.88	-49.12	7.40	4.75	-46.47	-13.00	-33.47	V
2509.61	-45.26	8.30	8.39	-45.35	-13.00	-32.35	V
3346.13	-45.76	7.20	11.79	-50.35	-13.00	-37.35	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.21	-46.00	7.40	4.75	-43.35	-13.00	-30.35	H
2539.29	-43.05	8.30	8.39	-43.14	-13.00	-30.14	H
3386.22	-41.35	7.20	11.79	-45.94	-13.00	-32.94	H
1693.63	-49.35	7.40	4.75	-46.70	-13.00	-33.70	V
2539.43	-45.27	8.30	8.39	-45.36	-13.00	-32.36	V
3386.27	-45.29	7.20	11.79	-49.88	-13.00	-36.88	V

APPENDIX II- PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

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