

## **ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT**



Applicant:	HP Inc.			
Manufacturer:	1501 Page Mill Road, Palo Alto CA 94304 USA HP Inc. 1501 Page Mill Road, Palo Alto CA 94304 USA			
Product Name:	Notebook Computer			
Brand Name:	HP			
Model No.:	HSN-I62C			
Report Number:	TERF2412003860ER			
FCC ID	B94HNI62PAR			
Date of EUT Received:	November 29, 2024			
Date of Test:	December 3, 2024~January 2, 2025			
Issue Date:	February 5, 2025			
	Alex Hsieh			
Approved By	,			

Approved By\_\_\_\_\_

Alex Hsieh

### We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E.

The results of this report relate only to the sample identified in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Revision History							
Report Number	Revision	Description	Issue Date	Revised By	Remark		
TERF2412003860ER	00	Original	February 5, 2025	Karen Huang			

### Note:

1 . The remark "\*" indicates modification of the report upon requests from certification body.

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#### **GENERAL PRODUCT INFORMATION** 1

#### 1.1 **Product Description**

Product Name:	Notebook Computer
Brand Name:	HP
Model No.:	HSN-I62C
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	0004770LN9
Integrated WWAN Module	Brand Name: THINGSX Model Name: TX520-GL
Power Supply:	5 / 9 / 12 / 15 / 20Vdc from adapter or 11.58Vdc from battery
Test Software (Name/Version)	Default(connection with call box)

#### 1.2 **Operation Frequency Range**

Operating Frequency (MHz)				
GSM/GPRS/EDGE 850 824.2 - 848.8				
GSM/GPRS/EDGE 1900	1850.2	-	1909.8	

#### Antenna Designation 1.3

Antenna Type	Supplier	Antenna Model No. NB / TB Mode		Remark
Vordor 1		6036B0370401 (00-330270505L)	NB	Ant0
	6036B0370401 (00-330270505L)	TB	Ant1	
PIFA Vender 2	6036B0366201 (81ELBF15.G36)	NB	Ant2	
Vendor 2		6036B0366201 (81ELBF15.G36)	TB	Ant3
Note: Transmission frequencies in this test report are only available by the above antenna(s).				

Mode	Frequency		Peak Antenr	: Antenna Gain (dBi)			
	(™⊓ <i>∠)</i>	Ant0	Ant1	Ant2	Ant3		
GSM/GPRS/EDGE 850	824.2 - 848.8	0.74	-3.96	-1.93	-5.75		
GSM/GPRS/EDGE 1900	1850.2 - 1909.8	-0.61	-2.73	-1.4	-4.44		

### Note: Antenna information is provided by the applicant.

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#### Max ERP/EIRP Power Measurement Result 1.4

Mode	ERP / EI	W	
GPRS 850	31.81	ERP	1.517
EDGE 850	24.35	ERP	0.272
GPRS 1900	28.33	EIRP	0.681
EDGE 1900	24.87	EIRP	0.307

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#### **Test Methodology of Applied Standards** 1.5

FCC 47 CFR Part 2, 22H, 24E ANSI C63.26-2015 KDB971168 D01 Power Meas license Digital System v03r01 KDB412172 D01 Determining ERP and EIRP v01r01 TS 151 010-1 is used to set, and measure the output power.

#### 1.6 **Test Facility**

Laboratory	Test Site Address	Test Site Name	FCC Designa- tion number	IC CAB identifier
		SAC 1		
		SAC 2		
		SAC 3		
	No 124 Wu Kung Bood Now Toinoi	Conduction 1		
	No. 134, Wu Kung Koau, New Taiper	Conducted 1	T\M0027	
	Taipei City, Taiwan	Conducted 2	100027	
	Taiper Oity, Taiwan.	Conducted 3		TW3702
SGS Taiwan Ltd.		Conducted 4		
		Conducted 5		
		Conducted 6		
Central RF Lab.	Na 2 Kaji 4at Dd. Quishan District	Conduction C	-	
(TAF code 3702)		SAC C		
		SAC D		
		SAC G		
		Conducted A		
	Taoyuan City Taiwan 333	Conducted B	TW0028	
	Tabyuan City, Talwan 555	Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		
Note: Test site na	ame is remarked on the equipmen	t list in each sectio	n of this report a	s an indica-
tion where measurements occurred in specific test site and address.				

#### 1.7 **Special Accessories**

No special accessories were used during testing.

#### 1.8 **Equipment Modifications**

There was no modifications incorporated into the EUT.

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#### 1.9 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m\*6m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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#### SYSTEM TEST CONFIGURATION 2

#### 2.1 **EUT Configuration**

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

#### 2.2 **EUT Exercise**

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

#### 2.3 **Test Procedure**

#### 2.3.1 Conducted Measurement at Antenna Port

The EUT is placed on a table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

#### 2.3.2 Radiated Emissions (ERP/EIRP)

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

#### **Measurement Results Explanation Example** 2.4

### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level. Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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#### **TEST CONFIGURATION** 3



Note: Radio Communication Analyzer is placed in remote side for radiated test.

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#### SUMMARY OF TEST RESULTS 4

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5) §24.232(c)	ERP/ EIRP measurement	Compliant
§2.1053 §22.917(a) §24.238(a)	Field Strength of Spurious Radiation	Compliant

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#### **DESCRIPTION OF TEST MODES** 5

#### 5.1 The Worst Test Modes and Channel Details

- 1. The EUT has been tested under operating condition.
- The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

#### 5.2 **Measurement Configuration**

Toot Itomo	GSM Test Ch			annel	
i est items	Bands	L	М	Н	
ERP	850	V	V	٧	
EIRP	1900	V	V	V	
RADIATED EMISSION	850	V	٧	٧	
	1900	V	V	٧	

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#### **MEASUREMENT UNCERTAINTY** 6

Test Items		certair	nty
Power Density	+/-	0.61	dB
RF Power Output	+/-	0.97	dB
EPD/ EIPD mossurement	+/-	2.15	dB
	+/-	2.15	dB
Emission Bandwidth	+/-	1.38	Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/-	0.77	dB
Peak to Average Ratio	+/-	0.97	dB
Frequency Stability vs. Temperature	+/-	1.48	Hz
Frequency Stability vs. Voltage	+/-	1.48	Hz
Temperature	+/-	0.6	°C
Humidity	+/-	3	%
DC / AC Power Source	+/-	1	%

Radiated Spurious Emission Measurement Uncertainty						
	+/-	1.89	dB	9kHz~30MHz		
	+/-	4.15	dB	30MHz - 1000MHz		
Polarization: vertical	+/-	3.43	dB	1GHz - 18GHz		
	+/-	3.86	dB	18GHz - 40GHz		
	+/-	1.89	dB	9kHz~30MHz		
Delevization, Hevizantel	+/-	4.02	dB	30MHz - 1000MHz		
Polarization: Horizontal	+/-	3.43	dB	1GHz - 18GHz		
	+/-	3.86	dB	18GHz - 40GHz		
	+/-	2	dB	33GHz-50GHz		
	+/-	1.59	dB	50GHz-60GHz		
<b>Radiated Spurious Emission</b>	+/-	1.7	dB	60GHz-90GHz		
	+/-	1.64	dB	90GHz-140GHz		
	+/-	3.83	dB	140GHz-220GHz		

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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### **MEASUREMENT EQUIPMENT USED** 7

#### 7.1 **Conducted Measurement**

Conducted Emission Test Site: Conducted 3						
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)	
Radio Communication Analyzer	Anritsu	MT8820C	6201061014	08/29/2024	08/28/2025	

#### 7.2 **Radiated Measurement**

EQUIPMENT TYPE         MFR         MODEL NUMBER         SERIAL NUMBER         LAST CAL (mm/dd/yyy)         CAL DUE. (mm/dd/yyy)           16 High Pass Filter         Micro-Tronics         HPM50108         32         12/11/2024         12/10/2025           26 High Pass Filter         Micro-Tronics         HPM5010         36         12/11/2024         12/10/2025           36 and Reject Filter         Micro-Tronics         HPM5010         36         12/11/2024         12/10/2025           Band Reject Filter         EWT         EWT-54-0038         M1         12/11/2024         12/10/2025           Band Reject Filter         EWT         EWT-54-0037         M3R         12/11/2024         12/10/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         1208         07/17/2024         07/16/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/08/2025           Coaxial Cables         EMCI+Huber         +SUCOFLEX 104PEA         RX Cable 9K-18G         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 102         TX Cable 30M-40G         205/27-205/205/2026         08/30/2024         08/29/2025           EMI Test Receiver         R&S         ESCI 7 <t< th=""><th></th><th colspan="7">Radiated Emission Test Site: SAC 3</th></t<>		Radiated Emission Test Site: SAC 3						
1G High Pass Filter         Micro-Tronics         HPM50108         32         12/11/2024         12/10/2025           2G High Pass Filter         Micro-Tronics         HPM50110         36         12/11/2024         12/10/2025           Attenuator         Mini-Circuits         BW-510W2+         16         12/11/2024         12/10/2025           Band Reject Filter 1700-2000         EWT         EWT-54-0038         M1         12/11/2024         12/10/2025           Bind Reject Filter 800-1000         EWT         EWT-54-0037         M3R         12/11/2024         12/10/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         1208         07/17/2024         07/16/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/08/2025           EMCI+Huber Suhner         +SUCOFLEX 104PEA +SUCOFLEX 104PEA +SUCOFLEX 106         RX Cable 9K-18G (221110-HY4251/4 +EMCIO75M-SM- 1500         08/30/2024         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 106 -         RX Cable 18G-400G (23051/2+76096/6+2 2962/2         08/30/2024         08/29/2025           EMI Test Receiver         R&S         ESCI 7         100759         08/30/2024         08/29/2025           EMA Spectrum Analyzer	EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)		
2G High Pass Filter         Micro-Tronics         HPM50110         36         12/11/2024         12/10/2025           Attenuator         Mini-Circuits         BW-S10W2+         16         12/11/2024         12/10/2025           Band Reject Filter 800-1000         EWT         EWT-54-0038         M1         12/11/2024         12/10/2025           Band Reject Filter 800-1000         EWT         EWT-54-0037         M3R         12/11/2024         12/10/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         1208         07/17/2024         07/16/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/08/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/29/2025           Coaxial Cables         EMCI+Huber Suhner         *SUCOFLEX 104PEA         (22110+MY4251/4)         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 102         RX Cable 18G-400G (23051/2+76096/6+2)         08/30/2024         08/29/2025           EMI Test Receiver         R&S         ESCI 7         100759         08/28/2024         08/29/2025           EMI Test Receiver         R&S         ESCI 7         100759         08/15/2	1G High Pass Filter	Micro-Tronics	HPM50108	32	12/11/2024	12/10/2025		
Attenuator         Mini-Circuits         BW-510W2+         16         12/11/2024         12/10/2025           Band Reject Filter 1700-2000         EWT         EWT-54-0038         M1         12/11/2024         12/10/2025           Band Reject Filter 800-1000         EWT         EWT-54-0037         M3R         12/11/2024         12/10/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         1208         07/17/2024         07/16/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/08/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/08/2025           Coaxial Cables         EMCI+Huber Suhner         HucorSM-SM- 1000         RX Cable 9K-18G         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 100F         RX Cable 18G-400G         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 102         TX Cable 30M-40G         205/2/2         08/30/2024         08/29/2025           EMI Test Receiver         R&S         ESCI 7         100759         08/28/2024         08/27/2025           EXA Spectrum Analyzer         KEYSIGHT         N9010B         MY63	2G High Pass Filter	Micro-Tronics	HPM50110	36	12/11/2024	12/10/2025		
Band Reject Filter 1700-2000         EWT         EWT-54-0038         M1         12/11/2024         12/10/2025           Band Reject Filter 800-1000         EWT         EWT-54-0037         M3R         12/11/2024         12/10/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         1208         07/17/2024         07/16/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/08/2025           Coaxial Cables         EMCI+Huber Suhner         FEMCI+FUDPEN         1000         RX Cable 9K-18G         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 104PEA (22110+MV4251/4 +EMC107-SM-SM- 1500         PEA+221106+76096         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 102         RX Cable 18G-40G MV2630/2+805062/         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 102         TX Cable 30M-40G 2051/2+76096/6+2         08/30/2024         08/29/2025           EMI Test Receiver         R&S         ESCI 7         100759         08/28/2024         08/27/2025           EMA Spectrum Analyzer         KEYSIGHT         N9010B         MY63440386         02/06/2024         02/05/2025	Attenuator	Mini-Circuits	BW-S10W2+	16	12/11/2024	12/10/2025		
Band Reject Filter 800-1000EWTEWT-54-0037M3R12/11/202412/10/2025Bi-log AntennaSCHWARZBECKVULB9168120807/17/202407/16/2025Bi-log AntennaSCHWARZBECKVULB916837808/09/202408/08/2025Bi-log AntennaSCHWARZBECKVULB916877808/09/202408/09/2024Bi-log AntennaSCHWARZBECKVULB916878808/09/202408/09/2024Coaxial CablesEMC1+Huber+EMC107-SM-SM22110+MY4251/408/30/202408/29/2025Suhner+EMC107-SM-SMPEA+221106+7609606/30/202408/29/202508/29/2025Coaxial CablesHuber SuhnerSUCOFLEX 100RX Cable 18G-40G08/29/202508/29/2025Coaxial CablesHuber SuhnerSUCOFLEX 1007208/30/202408/29/2025Coaxial CablesHuber SuhnerSUCOFLEX 1007208/30/202408/29/2025EMI Test ReceiverR&SESCI 710075908/30/202408/27/2025EMI Test ReceiverR&SESCI 710075908/28/202402/05/2025Horn AntennaSCHWARZBECKBBHA917018507/10/202409/21/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202409/21/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202405/15/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202405/15/2025Network AnalyzerR&SZNB 4010184205/15/	Band Reject Filter 1700-2000	EWT	EWT-54-0038	M1	12/11/2024	12/10/2025		
Bi-log Antenna         SCHWARZBECK         VULB9168         1208         07/17/2024         07/16/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/08/2025           Bi-log Antenna         SCHWARZBECK         VULB9168         378         08/09/2024         08/09/2024         08/09/2024           Coaxial Cables         EMCI+Huber         SUCOFLEX 104PEA         (21110+MY4251/4)         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 100         RX Cable 18G-40G         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 102         RX Cable 18G-40G         08/30/2024         08/29/2025           Coaxial Cables         Huber Suhner         SUCOFLEX 102         RX Cable 30M-40G         08/30/2024         08/29/2025           EMI Test Receiver         R&S         ESCI 7         100759         08/30/2024         08/29/2025           EXA Spectrum Analyzer         KEYSIGHT         N9010B         MY63440386         02/06/2024         02/05/2025           Horn Antenna         Schwarzbeck         BBHA9170         185         08/15/2024         09/22/2025           Horn Antenna         SCHWARZBECK         BBHA9120D         60	Band Reject Filter 800-1000	EWT	EWT-54-0037	M3R	12/11/2024	12/10/2025		
Bi-log AntennaSCHWARZBECKVULB916837808/09/202408/08/2025Coaxial CablesEMC107-SM-SM 1000KX Cable 9K-104N8/03/2024Nagale 2010Coaxial CablesEMC1+Huber+SUCOFLEX 104P 1500PA+22110+HV42514 (221110+HV42514 1500Nagale 2010Nagale 2010Coaxial CablesHuber SuhnerAUCOFLEX 106Nagale 2010Nagale 2010Nagale 2010Coaxial CablesHuber SuhnerSUCOFLEX 106Nagale 2010Nagale 2010Nagale 2010Coaxial CablesHuber SuhnerSUCOFLEX 106Nagale 2010Nagale 2010Nagale 2010Coaxial CablesHuber SuhnerSUCOFLEX 106Nagale 2010Nagale 2010Nagale 2010Coaxial CablesRasESCI 7Nagale 2010Nagale 2010Nagale 2010Nagale 2010EMTest ReceiverR&SESCI 7100759Nagale 2010Nagale 2010Nagale 2010ManalyerSchwarzbeckBBHA9170Nagale 2010Nagale 2010Nagale 2010Nagale 2010Horn AntennaSchwarzbeckBBHA91200I144109/23/202409/20205Horn AntennaSchwarzbeckBBHA91200I144109/23/202403/202403/2024Horn AntennaSchwarzbeckBBHA91200I144109/23/202405/15/203Horn AntennaSchwarzbeckBBHA91200I144109/23/202403/202403/2024Horn AntennaSchwarzbeckISBHA91200I144109/23/202403/202403/2024Pre-Amplifier<	Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/17/2024	07/16/2025		
EMC107-SM-SM- 1000RX Cable 9K-18G (21110+MY4251/4 PEA+21106+76096 150008/30/2024 08/30/202408/29/2025 08/29/2025Coaxial CablesHuber SuhnerSUCOFLEX 100PEA+221106+76096 PEA+2010608/30/202408/29/2025Coaxial CablesHuber SuhnerSUCOFLEX 102MY2630/24805062/ QY260/24805062/08/30/202408/29/2025Coaxial CablesHuber SuhnerSUCOFLEX 102TX Cable 30M-40G 2014-500-FLEX 10208/30/202408/29/2025EMI Test ReceiverR&SESCI 710075908/28/202408/27/2025EMA Spectrum AnalyzerKEYSIGHTN9010BMY6344038602/06/202402/05/2025Horn AntennaSchwarzbeckBBHA917018508/15/202408/14/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202409/22/2025Horn AntennaSCHWARZBECKBBHA9120D10184205/16/202405/14/2025Horn AntennaSCHWARZBECKBBHA9120D10184205/16/202405/16/2024Pre-AmplifierEMCIEMC18445SEE908093908/30/202408/29/2025Pre-AmplifierEMCIEMC18445SEE908093908/30/202408/29/2025Pre-AmplifierHP8447D2944A0767608/30/202408/29/2025Pre-AmplifierEMCIEMC18445SEE908093908/30/202408/29/2025Pre-AmplifierHP8447D2944A0767608/30/202408/29/2025Pre-AmplifierHP8447D2944A0767608/30/2024<	Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/09/2024	08/08/2025		
Coaxial CablesHuber SuhnerSUCOFLEX 102RX Cable 18G-40G MY2630/2+805062/08/30/202408/29/2025Coaxial CablesHuber SuhnerSUCOFLEX 102+SUCOFLEX 100TX Cable 30M-40G 23051/2+76096/6+2 2962/208/30/202408/29/2025EMI Test ReceiverR&SESCI 710075908/28/202408/27/2025EXA Spectrum AnalyzerKEYSIGHTN9010BMY6344038602/06/202402/05/2025Horn AntennaSchwarzbeckBBHA917018508/15/202402/05/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202409/22/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202405/15/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202405/15/2025Pre-AmplifierEMCIEMC18A45SEE98086808/30/202408/29/2025Pre-AmplifierEMCIEMC18A45SEE990803908/30/202408/29/2025Pre-AmplifierHP8447D2944A0767608/30/202408/29/2025Pre-AmplifierHP8447D2944A0767608/30/202408/29/2025Pre-AmplifierHP8447D2944A0767604/21/202404/20/2025RadioAnritsuMT8815B620071145404/21/202404/20/2025Site CalSGSSAC 3N/A08/30/202408/29/2025Site CalSGSSAC 3N/A08/30/202408/29/2025Site CalSGSSAC 3N/A08/30/2024	Coaxial Cables	EMCI+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/4 PEA+221106+76096 /6)	08/30/2024	08/29/2025		
Coaxial CablesHuber SuhnerSUCOFLEX 102+SUCOFLEX 100TX Cable 30M-40G 2051/2+76096/6+2 2962/208/30/202408/29/2025EMI Test ReceiverR&SESCI 710075908/28/202408/27/2025EXA Spectrum AnalyzerKEYSIGHTN9010BMY6344038602/06/202408/27/2025Horn AntennaSchwarzbeckBBHA917018508/15/202408/14/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202407/09/2025Horn AntennaSCHWARZBECKBBHA9120D60305/15/202405/14/2025Horn AntennaSCHWARZBECKBBHA9120D60305/15/202405/15/2025Network AnalyzerR&SZNB 4010184205/16/202405/15/2025Pre-AmplifierEMCIEMC118A45SEE98086808/30/202408/29/2025Pre-AmplifierHP8447D2944A0767608/30/202408/29/2025RadioAnritsuMT8815B620071145404/21/202404/20/2025Site CalSGSSAC 3N/A08/30/202408/29/2025Test SoftwareAudixe3Ver. 9.210616N.C.RN.C.R	Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062/ 2	08/30/2024	08/29/2025		
EMI Test ReceiverR&SESCI 710075908/28/202408/27/2025EXA Spectrum AnalyzerREYSIGHTN9010BMY6344038602/06/202402/05/2025Horn AntennaSchwarzbeckBBHA917018508/15/202408/14/2025Horn AntennaRF SPINDRH0844LE2D05A084407/10/202407/09/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202409/22/2025Horn AntennaSCHWARZBECKBBHA9120D60305/15/202405/14/2025Network AnalyzerR&SZNB 4010184205/16/202405/15/2025Pre-AmplifierEMCIEMC118A45SEE98086808/30/202408/29/2025Pre-AmplifierEMCIEMC184045SEE908093908/30/202408/29/2025RadioAnritsuMT8815B620071145404/21/202404/20/2025AnalyzerSGSSAC 3N/A08/30/202408/29/2025Test SoftwareAudixe3Ver. 9.210616N.C.RN.C.R	Coaxial Cables	Huber Suhner	SUCOFLEX 102+SUCOFLEX 106	TX Cable 30M-40G 23051/2+76096/6+2 2962/2	08/30/2024	08/29/2025		
EXA Spectrum AnalyzerKEYSIGHTN9010BMY6344038602/06/202402/05/2025Horn AntennaSchwarzbeckBBHA917018508/15/202408/14/2025Horn AntennaRF SPINDRH0844LE2D05A084407/10/202407/09/2025Horn AntennaSCHWARZBECKBBHA9120D144109/23/202409/22/2025Horn AntennaSCHWARZBECKBBHA9120D60305/15/202405/14/2025Network AnalyzerR&SZNB 4010184205/16/202405/15/2025Pre-AmplifierEMCIEMC118A45SEE98086808/30/202408/29/2025Pre-AmplifierEMCIEMC184045SEE908093908/30/202408/29/2025Pre-AmplifierHP8447D2944A0767608/30/202404/20/2025CommunicationAnritsuMT8815B620071145404/21/202404/20/2025Site CalSGSSAC 3N/A08/30/202408/29/2025Test SoftwareAudixe3Ver. 9.210616N.C.RN.C.R	EMI Test Receiver	R&S	ESCI 7	100759	08/28/2024	08/27/2025		
Horn Antenna         Schwarzbeck         BBHA9170         185         08/15/2024         08/14/2025           Horn Antenna         RF SPIN         DRH0844         LE2D05A0844         07/10/2024         07/09/2025           Horn Antenna         SCHWARZBECK         BBHA9120D         1441         09/23/2024         09/22/2025           Horn Antenna         SCHWARZBECK         BBHA9120D         603         05/15/2024         05/14/2025           Network Analyzer         R&S         ZNB 40         101842         05/16/2024         05/15/2025           Pre-Amplifier         EMCI         EMC118A45SEE         980868         08/30/2024         08/29/2025           Pre-Amplifier         EMCI         EMC184045SEE         9080939         08/30/2024         08/29/2025           Pre-Amplifier         HP         8447D         2944A07676         08/30/2024         08/29/2025           Radio         MT8815B         6200711454         04/21/2024         04/20/2025           Site Cal         SGS         SAC 3         N/A         08/30/2024         08/29/2025           Test Software         Audix         e3         Ver. 9.210616         N.C.R         N.C.R	EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/06/2024	02/05/2025		
Horn Antenna         RF SPIN         DRH0844         LE2D05A0844         07/10/2024         07/09/2025           Horn Antenna         SCHWARZBECK         BBHA9120D         1441         09/23/2024         09/22/2025           Horn Antenna         SCHWARZBECK         BBHA9120D         603         05/15/2024         05/14/2025           Network Analyzer         R&S         ZNB 40         101842         05/16/2024         05/15/2025           Pre-Amplifier         EMCI         EMC118A45SEE         980868         08/30/2024         08/29/2025           Pre-Amplifier         EMCI         EMC184045SEE         9080939         08/30/2024         08/29/2025           Pre-Amplifier         HP         8447D         2944A07676         08/30/2024         08/29/2025           Radio         MT8815B         6200711454         04/21/2024         04/20/2025           Analyzer         MT8815B         6200711454         04/21/2024         04/20/2025           Site Cal         SGS         SAC 3         N/A         08/30/2024         08/29/2025           Test Software         Audix         e3         Ver. 9.210616         N.C.R         N.C.R	Horn Antenna	Schwarzbeck	BBHA9170	185	08/15/2024	08/14/2025		
Horn Antenna         SCHWARZBECK         BBHA9120D         1441         09/23/2024         09/22/2025           Horn Antenna         SCHWARZBECK         BBHA9120D         603         05/15/2024         05/14/2025           Network Analyzer         R&S         ZNB 40         101842         05/16/2024         05/15/2025           Pre-Amplifier         EMCI         EMC118A45SEE         980868         08/30/2024         08/29/2025           Pre-Amplifier         EMCI         EMC184045SEE         9080939         08/30/2024         08/29/2025           Pre-Amplifier         HP         8447D         2944A07676         08/30/2024         08/29/2025           Radio         MT8815B         6200711454         04/21/2024         04/20/2025           Analyzer         MT8815B         6200711454         04/21/2024         04/20/2025           Site Cal         SGS         SAC 3         N/A         08/30/2024         08/29/2025           Test Software         Audix         e3         Ver. 9.210616         N.C.R         N.C.R	Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	07/10/2024	07/09/2025		
Horn Antenna         SCHWARZBECK         BBHA9120D         603         05/15/2024         05/14/2025           Network Analyzer         R&S         ZNB 40         101842         05/16/2024         05/15/2025           Pre-Amplifier         EMCI         EMC118A45SEE         980868         08/30/2024         08/29/2025           Pre-Amplifier         EMCI         EMC184045SEE         9080939         08/30/2024         08/29/2025           Pre-Amplifier         HP         8447D         2944A07676         08/30/2024         08/29/2025           Radio         MT8815B         6200711454         04/21/2024         04/20/2025           Analyzer         MT8815B         6200711454         04/21/2024         04/20/2025           Site Cal         SGS         SAC 3         N/A         08/30/2024         08/29/2025           Test Software         Audix         e3         Ver. 9.210616         N.C.R         N.C.R	Horn Antenna	SCHWARZBECK	BBHA9120D	1441	09/23/2024	09/22/2025		
Network Analyzer         R&S         ZNB 40         101842         05/16/2024         05/15/2025           Pre-Amplifier         EMCI         EMC118A45SEE         980868         08/30/2024         08/29/2025           Pre-Amplifier         EMCI         EMC184045SEE         9080939         08/30/2024         08/29/2025           Pre-Amplifier         HP         8447D         2944A07676         08/30/2024         08/29/2025           Radio	Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/15/2024	05/14/2025		
Pre-Amplifier         EMCI         EMC118A45SEE         980868         08/30/2024         08/29/2025           Pre-Amplifier         EMCI         EMC184045SEE         9080939         08/30/2024         08/29/2025           Pre-Amplifier         HP         8447D         2944A07676         08/30/2024         08/29/2025           Radio         Analyzer         MT8815B         6200711454         04/21/2024         04/20/2025           Site Cal         SGS         SAC 3         N/A         08/30/2024         08/29/2025           Test Software         Audix         e3         Ver. 9.210616         N.C.R         N.C.R	Network Analyzer	R&S	ZNB 40	101842	05/16/2024	05/15/2025		
Pre-Amplifier         EMCI         EMC184045SEE         9080939         08/30/2024         08/29/2025           Pre-Amplifier         HP         8447D         2944A07676         08/30/2024         08/29/2025           Radio         Anritsu         MT8815B         6200711454         04/21/2024         04/20/2025           Site Cal         SGS         SAC 3         N/A         08/30/2024         08/29/2025           Test Software         Audix         e3         Ver. 9.210616         N.C.R         N.C.R	Pre-Amplifier	EMCI	EMC118A45SEE	980868	08/30/2024	08/29/2025		
Pre-Amplifier         HP         8447D         2944A07676         08/30/2024         08/29/2025           Radio         Analyzer         MT8815B         6200711454         04/21/2024         04/20/2025           Site Cal         SGS         SAC 3         N/A         08/30/2024         08/29/2025           Test Software         Audix         e3         Ver. 9.210616         N.C.R         N.C.R	Pre-Amplifier	EMCI	EMC184045SEE	9080939	08/30/2024	08/29/2025		
Radio Communication AnalyzerAnritsuMT8815B620071145404/21/202404/20/2025Site CalSGSSAC 3N/A08/30/202408/29/2025Test SoftwareAudixe3Ver. 9.210616N.C.RN.C.R	Pre-Amplifier	HP	8447D	2944A07676	08/30/2024	08/29/2025		
Site Cal         SGS         SAC 3         N/A         08/30/2024         08/29/2025           Test Software         Audix         e3         Ver. 9.210616         N.C.R         N.C.R	Radio Communication Analyzer	Anritsu	MT8815B	6200711454	04/21/2024	04/20/2025		
Test Software Audix e3 Ver. 9.210616 N.C.R N.C.R	Site Cal	SGS	SAC 3	N/A	08/30/2024	08/29/2025		
	Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R		

### Note: N.C.R refers to Not Calibrated Required.

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#### MAXIMUM OUTPUT POWER 8

#### 8.1 Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

According to FCC §2.1046

### FCC 22.913(a)

(5) mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

### FCC 24.232(c)

Mobile and portable stations are limited to 2 W EIRP.

#### 8.2 Test Set-up



**Note:** Measurement setup for testing on Antenna connector

#### 8.3 **Output Power Measurement Applicable Guideance**

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a communication tester.

Transmitter output was read off the communication tester in dBm.

The power output at the transmitter antenna port was determined by adding the value of the attenuator to the communication tester reading.

TS 151 010-1 is reference to conduct the test measurement of output power.

KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.

Conducted average power is obtained from the simulator telecommunication test set.

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## 8.4 Determining ERP and/or EIRP from conducted RF output power measurements

According to KDB 412172 D01 Power Approach,

 $EIRP = P_T + G_T - L_c,$ 

ERP= EIRP-2.15,

Where:

ERP or EIRP	= effective radiated power or equivalent isotropically radiated power (expressed in the same units as PT, typically dBW, dBm, or power spectral density (PSD)2), relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP);
Ρτ	= transmitter output power, expressed in dBW, dBm, or PSD;
G⊤ Lc	<ul> <li>gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);</li> <li>signal attenuation in the connecting cable between the transmitter and antenna, in dB.</li> </ul>

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#### 8.5 **Measurement Results**

#### 8.5.1 GSM

### GSM/GPRS/EDGE (GMSK; 8-PSK) Result:

EUT Mode	Freq. (MHz)	СН	Conducted Avg. Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
0000	824.2	128	33.16	0.74	31.75	33.90	38.50	-4.60
GPRS 850	836.6	190	33.22	0.74	31.81	33.96	38.50	-4.54
000	848.8	251	33.10	0.74	31.69	33.84	38.50	-4.66
0000	1850.2	512	28.94	-0.61	26.18	28.33	33.00	-4.67
GPRS 1900	1880.0	661	28.87	-0.61	26.11	28.26	33.00	-4.74
1000	1909.8	810	28.75	-0.61	25.99	28.14	33.00	-4.86
	824.2	128	25.62	0.74	24.21	26.36	38.50	-12.14
EDGE 850	836.6	190	25.76	0.74	24.35	26.50	38.50	-12.00
000	848.8	251	25.70	0.74	24.29	26.44	38.50	-12.06
	1850.2	512	25.48	-0.61	22.72	24.87	33.00	-8.13
EDGE 1900	1880.0	661	25.42	-0.61	22.66	24.81	33.00	-8.19
1000	1909.8	810	25.29	-0.61	22.53	24.68	33.00	-8.32

EUT Mode	Frequency (MHz)	СН	Average Burst Power (1DN 1UP) Class 8 (dBm)	Average Burst Power (1DN 2UP) Class 10 (dBm)	Average Burst Power (1DN 3UP) Class 12 (dBm)	Average Burst Power (1DN 4UP) Class 12 (dBm)
0000	824.2	128	33.16	29.51	28.02	27.54
6PRS 850	836.6	190	33.22	29.58	27.89	27.55
	848.8	251	33.10	29.60	27.76	27.49
0000	1850.2	512	28.94	27.21	25.41	24.38
1900 -	1880.0	661	28.87	27.02	25.23	24.21
	1909.8	810	28.75	26.76	25.72	24.47
FDOF	824.2	128	25.62	24.19	22.78	21.96
EDGE 850	836.6	190	25.76	24.24	22.91	21.95
	848.8	251	25.70	24.14	22.76	21.82
FDOF	1850.2	512	25.48	24.70	23.12	22.22
1900	1880.0	661	25.42	24.51	22.95	21.93
1900	1909.8	810	25.29	24.60	23.05	22.13

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### FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT 9

#### 9.1 Standard Applicable

According to FCC §2.1053,

### FCC §22.917(a), §24.238(a)

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

#### 9.2 **EUT Setup**

Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



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#### 9.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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#### Measurement Result: 9.4

Report Number	:TERF2412003860ER	Test Site	:SAC 3
Operation Mode	:GPRS 850	Test Date	:2024-12-30
Test Mode	:Tx	Temp./Humi.	:20.3°C/53%
EUT Pol	:NB Mode	Antenna Pol.	:Vertical
Test Frequency	:824.2 MHz	Engineer	:Nick Lin



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Report Number	:TERF2412003860ER
Operation Mode	:GPRS 850
Test Mode	:Tx
EUT Pol	:NB Mode
Test Frequency	:824.2 MHz

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Horizontal
Engineer	:Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss	@3m	
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
47.477	-76.06	-62.51	-12.29	-1.26	-13.00	-63.06
113.504	-77.66	-74.19	-1.52	-1.95	-13.00	-64.66
150.400	-69.03	-65.11	-1.68	-2.24	-13.00	-56.03
226.136	-71.42	-73.62	4.95	-2.75	-13.00	-58.42
291.191	-74.39	-75.02	3.74	-3.12	-13.00	-61.39
367.898	-73.98	-74.66	4.18	-3.50	-13.00	-60.98
1648.400	-36.73	-38.76	9.48	-7.46	-13.00	-23.73
2472.600	-28.96	-30.31	10.57	-9.22	-13.00	-15.96
3296.800	-39.06	-40.63	12.27	-10.70	-13.00	-26.06
4121.000	-50.01	-50.56	12.56	-12.00	-13.00	-37.01

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Report Number	:TERF2412003860ER
Operation Mode	:GPRS 850
Test Mode	:Tx
EUT Pol	:NB Mode
Test Frequency	:836.6 MHz

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Vertical
Engineer	:Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss	@3m	
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
68.839	-71.69	-63.13	-7.04	-1.52	-13.00	-58.69
147.488	-73.89	-69.88	-1.79	-2.22	-13.00	-60.89
237.788	-72.24	-73.24	3.82	-2.82	-13.00	-59.24
280.511	-73.22	-73.87	3.72	-3.06	-13.00	-60.22
335.856	-76.47	-77.02	3.90	-3.35	-13.00	-63.47
361.101	-76.68	-77.43	4.21	-3.47	-13.00	-63.68
1673.200	-40.73	-42.94	9.73	-7.52	-13.00	-27.73
2509.800	-25.32	-26.73	10.70	-9.29	-13.00	-12.32
3346.400	-43.86	-45.47	12.39	-10.78	-13.00	-30.86
4183.000	-43.77	-44.17	12.50	-12.10	-13.00	-30.77

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Report Number	:TERF2412003860ER
Operation Mode	:GPRS 850
Test Mode	:Tx
EUT Pol	:NB Mode
Test Frequency	:836.6 MHz

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Horizontal
Engineer	:Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss	@3m	-
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
66.897	-78.90	-69.70	-7.70	-1.50	-13.00	-65.90
151.371	-69.00	-65.13	-1.62	-2.25	-13.00	-56.00
226.136	-71.71	-73.91	4.95	-2.75	-13.00	-58.71
288.278	-74.58	-75.19	3.71	-3.10	-13.00	-61.58
335.856	-74.73	-75.29	3.90	-3.35	-13.00	-61.73
366.927	-74.47	-75.17	4.20	-3.49	-13.00	-61.47
1673.200	-35.42	-37.63	9.73	-7.52	-13.00	-22.42
2509.800	-26.36	-27.77	10.70	-9.29	-13.00	-13.36
3346.400	-39.43	-41.03	12.39	-10.78	-13.00	-26.43
4183.000	-44.28	-44.68	12.50	-12.10	-13.00	-31.28

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Report Number	:TERF2412003860ER
Operation Mode	:GPRS 850
Test Mode	:Tx
EUT Pol	:NB Mode
Test Frequency	:848.8 MHz

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Vertical
Engineer	:Nick Lin



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit @3m	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
66.897	-71.80	-62.60	-7.70	-1.50	-13.00	-58.80
148.459	-73.65	-69.78	-1.64	-2.23	-13.00	-60.65
173.704	-77.80	-75.80	0.42	-2.41	-13.00	-64.80
246.527	-72.32	-73.11	3.65	-2.87	-13.00	-59.32
278.569	-74.13	-74.78	3.71	-3.05	-13.00	-61.13
342.653	-75.57	-76.21	4.03	-3.38	-13.00	-62.57
1697.600	-37.24	-39.64	9.98	-7.57	-13.00	-24.24
2546.400	-25.35	-26.59	10.60	-9.36	-13.00	-12.35
3395.200	-42.83	-44.55	12.58	-10.86	-13.00	-29.83
4244.000	-42.07	-42.47	12.59	-12.19	-13.00	-29.07

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Report Number	:TERF2412003860ER
Operation Mode	:GPRS 850
Test Mode	:Tx
EUT Pol	:NB Mode
Test Frequency	:848.8 MHz

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Horizontal
Engineer	:Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss	@3m	-
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
67.868	-79.31	-70.22	-7.59	-1.51	-13.00	-66.31
151.371	-68.38	-64.51	-1.62	-2.25	-13.00	-55.38
229.049	-71.83	-73.83	4.77	-2.76	-13.00	-58.83
294.104	-75.03	-75.67	3.77	-3.13	-13.00	-62.03
339.740	-75.05	-75.69	4.00	-3.37	-13.00	-62.05
367.898	-74.23	-74.91	4.18	-3.50	-13.00	-61.23
1697.600	-36.45	-38.85	9.98	-7.57	-13.00	-23.45
2546.400	-25.41	-26.65	10.60	-9.36	-13.00	-12.41
3395.200	-38.45	-40.17	12.58	-10.86	-13.00	-25.45
4244.000	-44.42	-44.82	12.59	-12.19	-13.00	-31.42

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335.856

361.101

3700.400

5550.600

Report Number	:TERF2412003860ER	Test
Operation Mode	:GPRS 1900	Test
Test Mode	:Tx	Tem
EUT Pol	:NB Mode	Ante
Test Frequency	:1850.2 MHz	Engi

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Vertical
Engineer	:Nick Lin



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-75.70

-77.01

-40.36

-51.10

-75.15

-76.26

-39.21

-52.16

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3.90

4.21

12.50

13.00

f (886-2) 2298-0488

-3.35

-3.47

-11.35

-14.06

-13.00

-13.00

-13.00

-13.00

-62.15

-63.26

-26.21

-39.16

Report No.: TERF2412003860ER Page: 26 of 30



Report Number	:TERF2412003860ER	Test S
Operation Mode	:GPRS 1900	Test D
Test Mode	:Tx	Temp
EUT Pol	:NB Mode	Anten
Test Frequency	:1850.2 MHz	Engin

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Horizontal
Engineer	:Nick Lin



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

-74.97

-75.49

-43.18

-53.12

-74.41

-74.98

-42.03

-54.17

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3.90

4.05

12.50

13.00

-3.35

-3.54

-11.35

-14.06

335.856

375.666

3700.400

5550.600

f (886-2) 2298-0488

-13.00

-13.00

-13.00

-13.00

-61.41

-61.98

-29.03-41.17

Report No.: TERF2412003860ER Page: 27 of 30



234.875

280.511

335.856

363.043

3760.000

5640.000

Report Number	:TERF2412003860ER	Tes
Operation Mode	:GPRS 1900	Tes
Test Mode	:Tx	Ten
EUT Pol	:NB Mode	Ant
Test Frequency	:1880 MHz	Enç

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Vertical
Engineer	:Nick Lin



4.02

3.72

3.90

4.22

12.50

13.28

-2.80

-3.06

-3.35

-3.48

-11.44

-14.17

-13.00

-13.00

-13.00

-13.00

-13.00

-13.00

-59.23

-60.38

-60.91

-63.81

-26.67

-33.93

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

-73.45

-74.03

-74.46

-77.56

-40.72

-46.04

-72.23

-73.38

-73.91

-76.81

-39.67

-46.93

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Report No.: TERF2412003860ER Page: 28 of 30



335.856

368.869

3760.000

5640.000

Report Number	:TERF2412003860ER	Tes
Operation Mode	:GPRS 1900	Tes
Test Mode	:Tx	Ten
EUT Pol	:NB Mode	Ant
Test Frequency	:1880 MHz	Enç

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Horizontal
Engineer	:Nick Lin



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

-75.49

-74.53

-41.82

-44.97

-74.94

-73.88

-40.77

-45.86

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3.90

4.16

12.50

13.28

f (886-2) 2298-0488

-3.35

-3.50

-11.44

-14.17

-13.00

-13.00

-13.00

-13.00

-61.94

-60.88

-27.77

-32.86

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291.191

335.856

364.985

3819.600

5729.400

Report Number	:TERF2412003860ER	Tes
Operation Mode	:GPRS 1900	Tes
Test Mode	:Tx	Ten
EUT Pol	:NB Mode	Ant
Test Frequency	:1909.8 MHz	Eng

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Vertical
Engineer	:Nick Lin



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-74.16

-76.01

-77.80

-43.50

-43.95

-73.53

-75.46

-77.05

-42.57

-45.14

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3.74

3.90

4.23

12.46

13.10

f (886-2) 2298-0488

-3.12

-3.35

-3.48

-11.53

-14.29

-13.00

-13.00

-13.00

-13.00

-13.00

-60.53

-62.46

-64.05

-29.57

-32.14

Report No.: TERF2412003860ER Page: 30 of 30



Report Number	:TERF2412003860ER	Test S
Operation Mode	:GPRS 1900	Test D
Test Mode	:Tx	Temp
EUT Pol	:NB Mode	Anten
Test Frequency	:1909.8 MHz	Engin

Test Site	:SAC 3
Test Date	:2024-12-30
Temp./Humi.	:20.3°C/53%
Antenna Pol.	:Horizontal
Engineer	:Nick Lin



~ End of Report ~

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