

InterLab[®]

RF Exposure and Maximum ERP/EIRP Assessment

For

SA-N9000 OEM D1 and SA-N9001 OEM D1

FCC ID: T8GSAN9000 / T8GSAN9001

IC: 6434A-T8GSAN9000 / 6434A-T8GSAN9001

Assessment Reference: MDE_HARMAN_1914_MPE_01 rev.02

Test Laboratory:

7layers GmbH
Borsigstraße 11
40880 Ratingen
Germany

Note:

The following test results relate only to the devices specified in this document. This report shall not be reproduced in parts without the written approval of the test laboratory.

7layers GmbH
Borsigstraße 11
40880 Ratingen, Germany
T +49 (0) 2102 749 0
F +49 (0) 2102 749 350
www.7layers.com

Registergericht registered in:
Geschäftsführer /
Managing Directors:
Frank SpillerDE203159652
Bernhard Retka
Alexandre Norré-Oudard

Düsseldorf, HRB 75554
USt-IdNr VAT No.:
TAX No. 147/5869/0385
A Bureau Veritas Group Company

Table of Contents

0	Summary	3
0.1	Technical Report Summary	3
1	Administrative Data	4
1.1	Testing Laboratory	4
1.2	Project Data	4
1.3	Applicant Data	4
1.4	Manufacturer Data	4
2	Test object Data	5
2.1	General EUT Description	5
2.2	Ancillary Equipment	5
3	Evaluation protocols	6
3.1	RF Exposure exception for IC	6
3.2	RF Exposure Evaluation for Module	7

0 Summary

0.1 Technical Report Summary

Type of Report

RF Exposure and Maximum ERP/EIRP Assessment for a GSM/UMTS/LTE/5G radio module.

Applicable FCC and ISSED Rules

For RF Exposure:

OET Bulletin 65 Edition 97-01 August 1997

FCC 47 CFR §1.1307

FCC 47 CFR §1.1310

RSS-102 Issue 5 – March 2015

For Maximum ERP/EIRP:

FCC 47 CFR §22.913 , §24.232, §27.50(d), §90.635

IC RSS-132, Issue 3, IC RSS-133 Issue 6, RSS-139, Issue 2 / SRSP-513, RSS-140, Issue 1

RSS-192 Issue 4, RSS-130 Issue 2, RSS-197 Issue 1, RSS-199 Issue 3

Report version control			
Rev Version	Release date	Changes	Version validity
-	11.01.2021	Initial version	invalid
01	20.01.2021	Changes to formatting and power levels	invalid
02	30.01.2021	Added IC exemption limits	Valid

Reviewer:



Responsible
for Report:



1 Administrative Data

1.1 Testing Laboratory

Company Name:	7layers GmbH
Address	Borsigstr. 11 40880 Ratingen Germany
FCC accreditation	Designation Number: DE0015 Test Firm Registration #: 929146
Industry Canada Test Site Acceptance	CAB identifier: DE0007 Test Firm Registration #: 3699A
Report Template Version:	2020-03-26

1.2 Project Data

Responsible for assessment and report:	Mr. Patrick Lomax
Date of Report:	30.01.2021

1.3 Applicant Data

Company Name:	HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH
Address:	BECKER-GOERING-STR. 16; 76307 KARLSBAD GERMANY
Contact Person:	Voegele, Simon

1.4 Manufacturer Data

Company Name:	please see applicant data
---------------	---------------------------

2 Test object Data

2.1 General EUT Description

Equipment under Test	SA-N9000 OEM D1 and SA-N9001 CUS D1
Type Designation:	SA-N9000 OEM D1 and SA-N9001 CUS D1
Kind of Device:	5G Module
GSM MSC/UMTS/LTE CAT	NA
FCC ID:	T8GSAN9000 (parent) T8GSAN9001 (Child)
IC Number:	6434A-T8GSAN9000 (parent) 6434A-T8GSAN9000 (Child)

General product description:

The EUT is Cellular radio module supporting GSM/GPRS/WCDMA/LTE and 5G

2.2 Ancillary Equipment

For the purposes of this test report, ancillary equipment is defined as equipment which is used in conjunction with the EUT to provide operational and control features to the EUT. It is necessary to configure the system in a typical fashion, as a customer would normally use it. But nevertheless Ancillary Equipment can influence the test results.

Short Description	Equipment under Test	Type Designation	HW Status	SW Status	Serial no.	FCC ID
NA						–

3 Evaluation protocols

3.1 RF Exposure exemption for IC

Per RSS-102 Section 2.5.2:

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz [Footnote6](#) and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

Band	Mode	Duty Cycle (%)	Freq (MHZ)	Max output power (dBm)	EIRP (dBm)	Antenna Gain (dBi)	EIRP (mW)	$1.31 \times 10^{-2} f^{0.6834}$ (mW)	Meets exemption Limit
850	GSM	50%	824.2	34.00	34.11	0.11	1288.25	1290.00	Yes
1900	GSM	50%	1850.2	31.00	33.01	2.01	1000.07	2240.00	Yes
FDD 2	UMTS	100%	1850.2	24.00	33.01	9.01	2000.00	2240.00	Yes
FDD 4	UMTS	100%	1710.0	24.00	30.00	6.00	1000.00	2120.00	Yes
FDD 5	UMTS	100%	824.0	25.00	31.10	6.10	1288.25	1290.00	Yes
eFDD 2	LTE	100%	1850.7	24.50	33.01	8.51	2000.00	2240.00	Yes
eFDD 4	LTE	100%	1710.7	24.50	30.00	5.50	1000.00	2120.00	Yes
eFDD 5	LTE	100%	824.7	24.50	31.10	6.60	1288.25	1290.00	Yes
eFDD 7	LTE	100%	2502.5	25.00	30.00	5.00	1000.00	2750.00	Yes
eFDD 12	LTE	100%	699.7	24.50	30.00	5.50	1000.00	1150.00	Yes
eFDD 13	LTE	100%	779.5	24.50	30.93	6.43	1238.80	1240.00	Yes
eFDD 17	LTE	100%	706.5	24.50	30.64	6.14	1158.78	1160.00	Yes
eFDD 25	LTE	100%	1850.7	24.50	33.01	8.51	2000.00	2240.00	Yes
eTDD 26	LTE	100%	814.7	25.00	30.00	5.00	1000.00	1280.00	Yes
eTDD 26	LTE	100%	824.7	25.00	31.10	6.10	1288.25	1290.00	Yes
eTDD 38	LTE	100%	2572.5	24.50	30.00	5.50	1000.00	2800.00	Yes
eTDD 41	LTE	100%	2498.5	24.50	30.00	5.50	1000.00	2750.00	Yes
eTDD 42	LTE	100%	3452.5	24.50	30.00	5.50	1000.00	3430.00	Yes
eFDD 66	LTE	100%	1710.7	24.50	30.00	5.50	1000.00	2120.00	Yes
eFDD 71	LTE	100%	665.5	24.50	30.00	5.50	1000.00	1110.00	Yes

3.1.1 Conclusion: Using the antenna gains calculated in section 3.2.2, the RF exposure evaluation exemption limits are met, and thus exempted.

3.2 RF Exposure Evaluation for Module

Standards
OET Bulletin 65 Edition 97-01 August 1997
RSS-102 Issue 5 – March 2015

3.2.1 Test limits

For the 850MHz band, FCC §22.913 states that the maximum ERP of this device shall not exceed 7 Watts. IC SRSP-503 Issue 7, states that this device shall not exceed a maximum EIRP of 11.5 Watts

For the purposes of this test report, the 7 Watt ERP limit stipulated in FCC §22.913 has been converted to an equivalent ERIP value of 11.5 Watts.

For all other limits, refer to the values stipulated in the corresponding tables.

As specified in Table 1B of 47 CFR 1.1310 – Limits for Maximum Permissible Exposure (MPE), Limits for General Population/Uncontrolled Exposure.

Frequency range (MHz)	Power density (mW/cm ²)
300 – 1,500	f/1500
1,500 – 100,000	1.0

Limits specified per RSS-102, Issue 5.

Frequency range (MHz)	Power density (W/m ²)	Power density (mW/cm ²)
300 – 6000	$0.02619 f^{0.6834}$	$mW/cm^2 = W/m^2 * 0.1$

Equation OET bulletin 65, page 18, edition 97-01:
$$S = \frac{PG}{4\pi R^2} = \frac{EIRP}{4\pi R^2}$$

Where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the centre of radiation of the antenna

Carrier aggregation has been calculated separately for each band combination without regard for gain limitations for the same band in a different band combinations. This is done because some band combinations may not be used in a final product in all situations. The manufacturer must ensure that if a particular band combination is used that both the EIRP and RF exposure requirements are considered when CA is used.

3.2.2 Test protocol – MPE calculation

This section shows the calculated power density for each carrier.

Output power is based on the tune-up values declared + tolerance.

FCC Table

Band	Mode	Duty Cycle (%)	Freq (MHZ)	Max Cond. output power (dBm)	Equivalent conducted output power (mW)	EIRP limit (mW)	Max gain to meet EIRP Limit (dBi)	FCC MPE Limit (mW/cm ²)	Power Density (mW/cm ²)	Max Gain for RF exposure limit (dBi)	Gain used for power Density calculation (dBi)	Verdict
850	GSM	50%	824.2	34.00	1256.03	11484	6.60	0.5495	0.5494	3.42	3.42	Pass
1900	GSM	50%	1850.2	31.00	629.51	2000	2.01	1.0000	0.1990	9.02	2.01	Pass
FDD 2	UMTS	100%	1850.2	24.00	251.19	2000	9.01	1.0000	0.3979	13.01	9.01	Pass
FDD 4	UMTS	100%	1710.0	24.00	251.19	1000	6.00	1.0000	0.1989	13.01	6.00	Pass
FDD 5	UMTS	100%	824.0	25.00	316.23	11484	15.60	0.5493	0.5493	9.41	9.41	Pass
eFDD 2	LTE	100%	1850.7	24.50	281.84	2000	8.51	1.0000	0.3979	12.51	8.51	Pass
eFDD 4	LTE	100%	1710.7	24.50	281.84	1000	5.50	1.0000	0.1989	12.51	5.50	Pass
eFDD 5	LTE	100%	824.7	24.50	281.84	11484	16.10	0.5498	0.5498	9.91	9.91	Pass
eFDD 7	LTE	100%	2502.5	25.00	316.23	1000	5.00	1.0000	0.1989	12.01	5.00	Pass
eFDD 12	LTE	100%	699.7	24.50	281.84	1000	5.50	0.4665	0.1989	9.20	5.50	Pass
eFDD 13	LTE	100%	779.5	24.50	281.84	3000	10.27	0.5197	0.5197	9.67	9.67	Pass
eFDD 17	LTE	100%	706.5	24.50	281.84	3000	10.27	0.4710	0.4710	9.24	9.24	Pass
eFDD 25	LTE	100%	1850.7	24.50	281.84	2000	8.51	1.0000	0.3979	12.51	8.51	Pass
eTDD 26	LTE	100%	814.7	25.00	316.23	1000	5.00	0.5431	0.1989	9.36	5.00	Pass
eTDD 26	LTE	100%	824.7	25.00	316.23	11484	15.60	0.5498	0.5498	9.41	9.41	Pass
eTDD 38	LTE	100%	2572.5	24.50	281.84	1000	5.50	1.0000	0.1989	12.51	5.50	Pass
eTDD 41	LTE	100%	2498.5	24.50	281.84	1000	5.50	1.0000	0.1989	12.51	5.50	Pass
eTDD 42	LTE	100%	3452.5	24.50	281.84	1000	5.50	1.0000	0.1989	12.51	5.50	Pass
eFDD 66	LTE	100%	1710.7	24.50	281.84	1000	5.50	1.0000	0.1989	12.51	5.50	Pass
eFDD 71	LTE	100%	665.5	24.50	281.84	1000	5.50	0.4437	0.1989	8.98	5.50	Pass

IC Table

Band	Mode	Duty Cycle (%)	Freq (MHZ)	Max Cond. output power (dBm)	Equivalent conducted output power (mW)	EIRP limit (mW)	Max gain to meet EIRP Limit (dBi)	IC MPE Limit (mW/cm ²)	Power Density (mW/cm ²)	Max Gain for RF exposure limit (dBi)	Gain used for power Density calculation (dBi)	Verdict
850	GSM	50%	824.2	34.00	1256.03	11484	6.60	0.2576	0.2563	0.11	0.11	Pass
1900	GSM	50%	1850.2	31.00	629.51	2000	2.01	0.4477	0.1990	5.53	2.01	Pass
FDD 2	UMTS	100%	1850.2	24.00	251.19	2000	9.01	0.4477	0.3979	9.52	9.01	Pass
FDD 4	UMTS	100%	1710.0	24.00	251.19	1000	6.00	0.4242	0.1989	9.29	6.00	Pass
FDD 5	UMTS	100%	824.0	25.00	316.23	11484	15.60	0.2576	0.2563	6.10	6.10	Pass
eFDD 2	LTE	100%	1850.7	24.50	281.84	2000	8.51	0.4477	0.3979	9.02	8.51	Pass
eFDD 4	LTE	100%	1710.7	24.50	281.84	1000	5.50	0.4243	0.1989	8.79	5.50	Pass
eFDD 5	LTE	100%	824.7	24.50	281.84	11484	16.10	0.2577	0.2563	6.60	6.60	Pass
eFDD 7	LTE	100%	2502.5	25.00	316.23	1000	5.00	0.5503	0.1989	9.42	5.00	Pass
eFDD 12	LTE	100%	699.7	24.50	281.84	1000	5.50	0.2303	0.1989	6.14	5.50	Pass
eFDD 13	LTE	100%	779.5	24.50	281.84	3000	10.27	0.2480	0.2465	6.43	6.43	Pass
eFDD 17	LTE	100%	706.5	24.50	281.84	3000	10.27	0.2319	0.2305	6.14	6.14	Pass
eFDD 25	LTE	100%	1850.7	24.50	281.84	2000	8.51	0.4477	0.3979	9.02	8.51	Pass
eTDD 26	LTE	100%	814.7	25.00	316.23	1000	5.00	0.2556	0.1989	6.09	5.00	Pass
eTDD 26	LTE	100%	824.7	25.00	316.23	11484	15.60	0.2577	0.2563	6.10	6.10	Pass
eTDD 38	LTE	100%	2572.5	24.50	281.84	1000	5.50	0.5608	0.1989	10.00	5.50	Pass
eTDD 41	LTE	100%	2498.5	24.50	281.84	1000	5.50	0.5497	0.1989	9.91	5.50	Pass
eTDD 42	LTE	100%	3452.5	24.50	281.84	1000	5.50	0.6856	0.1989	10.87	5.50	Pass
eFDD 66	LTE	100%	1710.7	24.50	281.84	1000	5.50	0.4243	0.1989	8.79	5.50	Pass
eFDD 71	LTE	100%	665.5	24.50	281.84	1000	5.50	0.2226	0.1989	5.99	5.50	Pass

3.2.3 Carrier aggregation mode

For ERP/EIRP Limit, see the single carrier mode above.

Co-Location Considerations for LTE CA

The calculation below is used to consider situations in which simultaneous exposure to fields of different frequencies occur. The calculation is performed by the sum of each relative exposure for each equipment according to the following criteria.

$$CPD1 / LPD1 + CPD2 / LPD2 + \dots Etc. < 1$$

Where:

CPD = Calculated power density

LPD = Limit of power density

FCC Table

Band	Mode	Duty Cycle (%)	Freq (MHz)	Max Cond. output power (dBm)	Equivalent conducted output power (mW)	Gain used for power Density (dBi)	FCC MPE Limit (mW/cm ²)	Power Density (mW/cm ²)	Power Density / Limit	CPD1/LPD1 + CPD2/LPD2	CPD1/LPD1 + CPD2/LPD2 < 1
CA_2_5 PCC	CA LTE	100%	1850.2	24.50	281.84	8.00	1.0000	0.3538	0.3537777	0.9972	Pass
CA_2_5 SCC	CA LTE	100%	824.7	24.50	281.84	8.00	0.5498	0.3538	0.6434663		
CA_2_12 PCC	CA LTE	100%	1850.2	24.50	281.84	8.51	1.0000	0.3979	0.3978877		
CA_2_12 SCC	CA LTE	100%	699.7	24.50	281.84	5.50	0.4665	0.1989	0.426491	0.8244	Pass
CA_2_13 PCC	CA LTE	100%	1850.7	24.50	281.84	7.95	1.0000	0.3497	0.3497281		
CA_2_13 SCC	CA LTE	100%	779.5	24.50	281.84	7.80	0.5197	0.3379	0.6501381		
CA_4_5 PCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438	0.9997	Pass
CA_4_5 SCC	CA LTE	100%	824.7	24.50	281.84	8.95	0.5498	0.4403	0.8008032		
CA_4_12 PCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438		
CA_4_12 SCC	CA LTE	100%	699.7	24.50	281.84	5.50	0.4665	0.1989	0.426491	0.6254	Pass
CA_4_13 PCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438		
CA_4_13 SCC	CA LTE	100%	779.5	24.50	281.84	8.70	0.5197	0.4157	0.7998447		
CA_5_7 PCC	CA LTE	100%	824.7	24.50	281.84	8.95	0.5498	0.4403	0.8008032	0.9997	Pass
CA_5_7 SCC	CA LTE	100%	2502.5	25.00	316.23	5.00	1.0000	0.1989	0.1989438		
CA_5_66 PCC	CA LTE	100%	824.7	24.50	281.84	8.95	0.5498	0.4403	0.8008032		
CA_5_66 SCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438	0.9997	Pass
CA_5B PCC	CA LTE	100%	824.7	24.50	281.84	6.90	0.5498	0.2746	0.4994888		
CA_5B SCC	CA LTE	100%	824.7	24.50	281.84	6.90	0.5498	0.2746	0.4994888		
CA_7C PCC	CA LTE	100%	2502.5	25.00	316.23	5.00	1.0000	0.1989	0.1989438	0.3979	Pass
CA_7C SCC	CA LTE	100%	2502.5	25.00	316.23	5.00	1.0000	0.1989	0.1989438		
CA_38C PCC	CA LTE	100%	2572.5	24.50	281.84	5.50	1.0000	0.1989	0.1989438		
CA_38C SCC	CA LTE	100%	2572.5	24.50	281.84	5.50	1.0000	0.1989	0.1989438	0.3979	Pass
CA_41C PCC	CA LTE	100%	2498.5	24.50	281.84	5.50	1.0000	0.1989	0.1989438		
CA_41C SCC	CA LTE	100%	2498.5	24.50	281.84	5.50	1.0000	0.1989	0.1989438		
CA_66B PCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438	0.3979	Pass
CA_66B SCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438		
CA_66C PCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438		
CA_66C SCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438	0.3979	Pass

IC Table

Band	Mode	Duty Cycle (%)	Freq (MHz)	Max Cond. output power (dBm)	Equivalent conducted output power (mW)	Gain used for power Density (dBi)	Industry Canada MPE Limit (mW/cm ²)	Power Density (mW/cm ²)	Power Density / Limit	CPD1/LPD1 + CPD2/LPD2	CPD1/LPD1 + CPD2/LPD2 < 1
CA_2_5 PCC	CA LTE	100%	1850.2	24.50	281.84	5.00	0.4477	0.1773	0.3960753		
CA_2_5 SCC	CA LTE	100%	824.7	24.50	281.84	4.43	0.2577	0.1555	0.6033903	0.9995	Pass
CA_2_12 PCC	CA LTE	100%	1850.2	24.50	281.84	4.91	0.4477	0.1737	0.3879518		
CA_2_12 SCC	CA LTE	100%	699.7	24.50	281.84	4.00	0.2303	0.1408	0.61148	0.9994	Pass
CA_2_13 PCC	CA LTE	100%	1850.7	24.50	281.84	5.00	0.4477	0.1773	0.3960022		
CA_2_13 SCC	CA LTE	100%	779.5	24.50	281.84	4.26	0.2480	0.1495	0.6030147	0.9990	Pass
CA_4_5 PCC	CA LTE	100%	1710.7	24.50	281.84	5.03	0.4243	0.1785	0.4207693		
CA_4_5 SCC	CA LTE	100%	824.7	24.50	281.84	4.25	0.2577	0.1492	0.578893	0.9997	Pass
CA_4_12 PCC	CA LTE	100%	1710.7	24.50	281.84	4.68	0.4243	0.1647	0.3881897		
CA_4_12 SCC	CA LTE	100%	699.7	24.50	281.84	4.00	0.2303	0.1408	0.61148	0.9997	Pass
CA_4_13 PCC	CA LTE	100%	1710.7	24.50	281.84	4.77	0.4243	0.1682	0.3963182		
CA_4_13 SCC	CA LTE	100%	779.5	24.50	281.84	4.26	0.2480	0.1495	0.6030147	0.9993	Pass
CA_5_7 PCC	CA LTE	100%	824.7	24.50	281.84	4.80	0.2577	0.1693	0.6570499		
CA_5_7 SCC	CA LTE	100%	2502.5	25.00	316.23	4.77	0.5503	0.1887	0.3428832	0.9999	Pass
CA_5_66 PCC	CA LTE	100%	824.7	24.50	281.84	4.41	0.2577	0.1548	0.600618		
CA_5_66 SCC	CA LTE	100%	1710.7	24.50	281.84	4.80	0.4243	0.1693	0.3990653	0.9997	Pass
CA_5B PCC	CA LTE	100%	824.7	24.50	281.84	3.61	0.2577	0.1287	0.4995723		
CA_5B SCC	CA LTE	100%	824.7	24.50	281.84	3.61	0.2577	0.1287	0.4995723	0.9991	Pass
CA_7C PCC	CA LTE	100%	2502.5	25.00	316.23	5.00	0.5503	0.1989	0.3615315		
CA_7C SCC	CA LTE	100%	2502.5	25.00	316.23	5.00	0.5503	0.1989	0.3615315	0.7231	Pass
CA_38C PCC	CA LTE	100%	2572.5	24.50	281.84	5.50	0.5608	0.1989	0.3547792		
CA_38C SCC	CA LTE	100%	2572.5	24.50	281.84	5.50	0.5608	0.1989	0.3547792	0.7096	Pass
CA_41C PCC	CA LTE	100%	2498.5	24.50	281.84	5.50	0.5497	0.1989	0.361927		
CA_41C SCC	CA LTE	100%	2498.5	24.50	281.84	5.50	0.5497	0.1989	0.361927	0.7239	Pass
CA_66B PCC	CA LTE	100%	1710.7	24.50	281.84	5.50	0.4243	0.1989	0.4688609		
CA_66B SCC	CA LTE	100%	1710.7	24.50	281.84	5.50	0.4243	0.1989	0.4688609	0.9377	Pass
CA_66C PCC	CA LTE	100%	1710.7	24.50	281.84	5.50	0.4243	0.1989	0.4688609		
CA_66C SCC	CA LTE	100%	1710.7	24.50	281.84	5.50	1.0000	0.1989	0.1989438	0.9377	Pass

3.2.4 Conclusion

By using the gains shown in the tables above, the RF exposure limits are met. This also considers the ERP/EIRP limit for each band. Thus, if the maximum gain to meet the ERP/EIRP limit is lower than the RF exposure maximum gain, the lower gain is used to calculate the power density and shown in the table below.

END OF REPORT