



**Radio Test Report
Application for a Permissive Change of Equipment
Authorization**

FCC Part 24
[1930MHz – 1990MHz]

FCC Part 27
[2110MHz – 2170MHz]

FCC ID: VBNAHFII-01

**Nokia Solutions and Networks
Airscale Base Transceiver Station Remote Radio Head
Model: AHFII**

Report: NOKI0090.0 Rev. 0, Issue Date: February 10, 2026



Element Plano
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CERTIFICATE OF TEST



Last Date of Test: January 13, 2026

Nokia Solutions and Networks

EUT: Aircscale Base Transceiver Station Remote Radio Head Model: AHFII

Radio Equipment Testing

Standards

Specification	Method
Code of Federal Regulations (CFR) Title 47 Part 2 CFR Title 47 Part 24 Subpart E – Broadband PCS CFR Title 47 Part 27 – Advance wireless Services (AWS)	ANSI C63.26-2015 with FCC KDB 971168 D01 v03r01 FCC KDB 971168 D03 v01 FCC KDB 662911D01 v02r01 FCC KDB 662911D02 v01

Results

Test Description	Result	Specification Section(s)	Method Section(s)	Comments
Occupied Bandwidth	Pass	24.238(b) 27.53(h)	5.4	
Output Power	Pass	24.232 27.50(d)	5.2	
Peak to Average Power (PAPR) CCDF	Pass	24.232(d) 27.53(d)(5)	5.2	
Power Spectral Density	Pass	27.50(d)	5.2	
Band Edge Compliance	Pass	24.238(a) 27.53(h)(3)	5.7	
Spurious Conducted Emissions	Pass	24.238(a) 27.53(h)(1)	5.7	
Spurious Radiated Emissions	N/A	24.238	5.5	

Deviations From Test Standards

None

Approved By:

Adam Bruno, Senior Operations Manager
Signed for and on behalf of Element

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

REVISION HISTORY



Revision Number		Description	Date (yyyy-mm-dd)	Page Number
00	None			

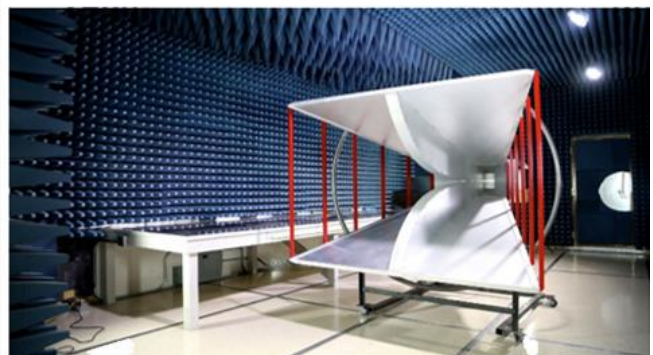
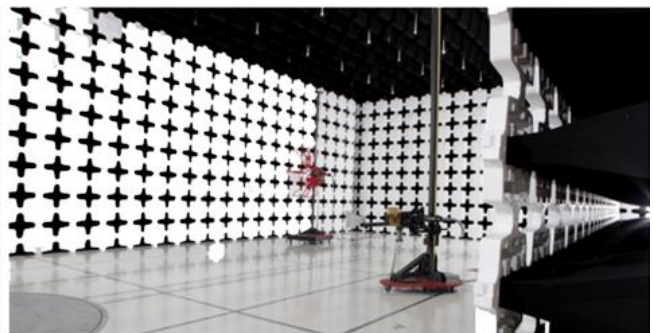
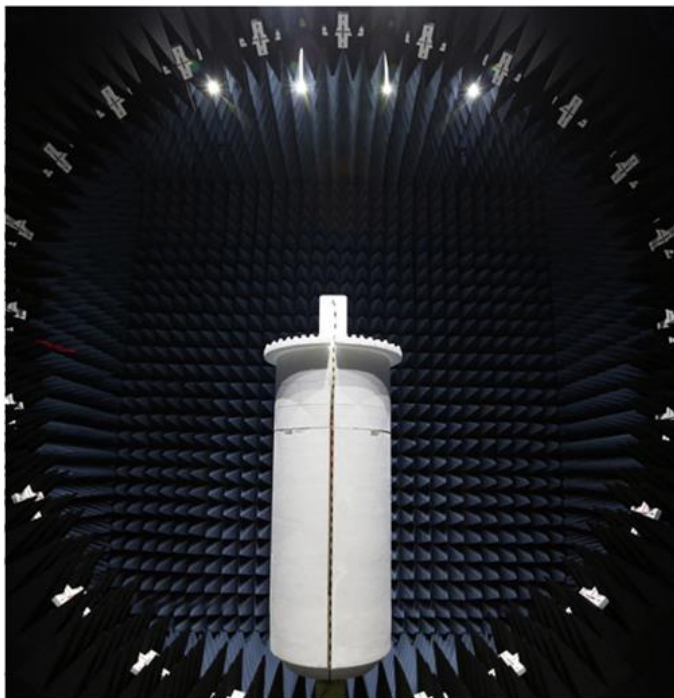
FACILITIES

Testing was performed at the following location(s)

	Location	Labs ⁽¹⁾	Address	A2LA ⁽²⁾	ISED ⁽³⁾	BSMI ⁽⁴⁾	VCCI ⁽⁵⁾	CAB	FDA ⁽⁶⁾
☒	Plano Texas	PT01-15	1701 E Plano Pkwy, Ste 150 Plano, TX 75074 (972) 509-2566	214.19	32637	SL2-IN-E-057R	A-0426	US0054	TL-137
☐	Offsite	N/A	See Product Description	N/A	N/A	N/A	N/A	N/A	N/A

See data sheets for specific labs

- (1) The lab designations denote individual rooms within each location. (OC01, OC02, OC03, etc.)
- (2) A2LA Certificate No.
- (3) ISED Company No.
- (4) BSMI No.
- (5) VCCI Site Filing No.
- (6) FDA ASCA No.



MEASUREMENT UNCERTAINTY

Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation reported is based on statistical analysis that was performed by the laboratory. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty ($k=2$) can be found in the table below. A lab specific value may also be found in the applicable test description section. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable) and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Various Measurements

Test	All Labs (+/-)
Frequency Accuracy (%)	0.0007
Amplitude Accuracy (dB)	1.2
Conducted Power (dB)	1.2
Radiated Power via Substitution (dB)	0.7
Temperature (degrees C)	0.7
Humidity (% RH)	2.5
Voltage (AC) (%)	1
Voltage (DC) (%)	0.7
Near-field Measurement of E-Field (dB)	1.89
Near-field Measurement of H-Field (dB)	2.65

Field Strength Measurements (dB)

Range	PT01 (+/-)	PT14 (+/-)
10kHz-30MHz	1.8	N/A
30MHz-1GHz 3m	4.9	N/A
1GHz-6GHz	5.1	N/A
6GHz-18GHz	5	N/A
18GHz – 40GHz	5.6	N/A

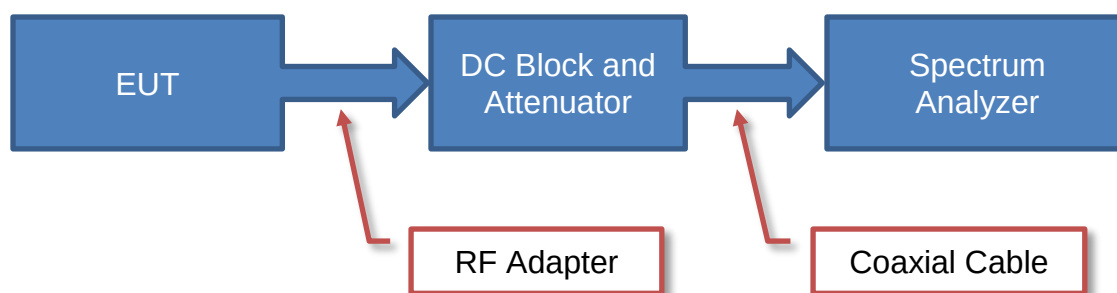
TEST SETUP BLOCK DIAGRAMS

Measurement Bandwidths

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Unless otherwise stated, measurements were made using the bandwidths and detectors specified. No video filter was used.

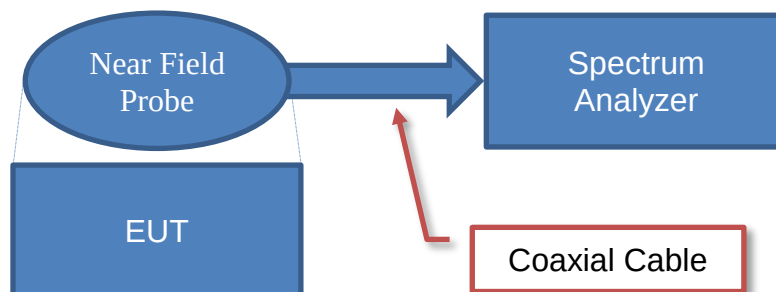
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)

Measured Value		Measured Level		Reference Level Offset
71.2	=	42.6	+	28.6

Near Field Test Fixture Measurements

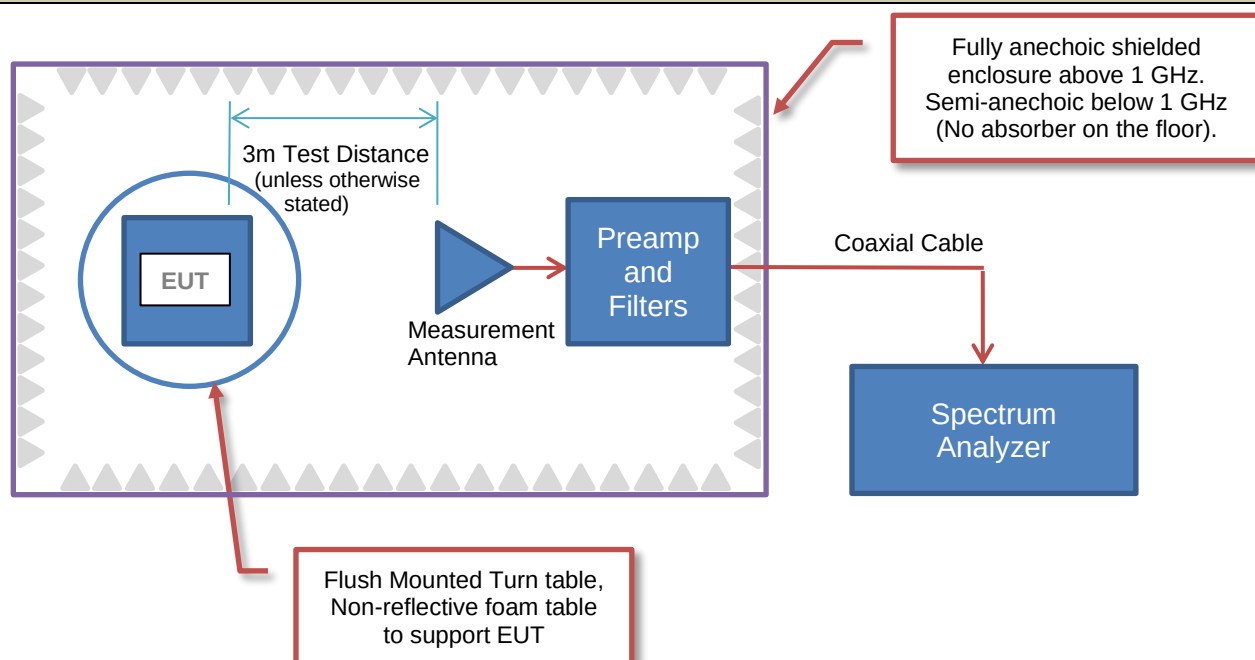


Sample Calculation (logarithmic units)

Measured Value		Measured Level		Reference Level Offset
71.2	=	42.6	+	28.6

TEST SETUP BLOCK DIAGRAMS

Emissions Measurements



Sample Calculation (logarithmic units)

Radiated Emissions:

Measured Level (Amplitude)	Factor			Distance Adjustment Factor	External Attenuation	Field Strength
	Antenna Factor	Cable Factor	Amplifier Gain			
42.6	28.6	3.1	40.8	0.0	0.0	33.5

Conducted Emissions:

Measured Level (Amplitude)	Factor		External Attenuation	Adjusted Level
	Transducer Factor	Cable Factor		
26.7	0.3	0.1	20.0	47.1

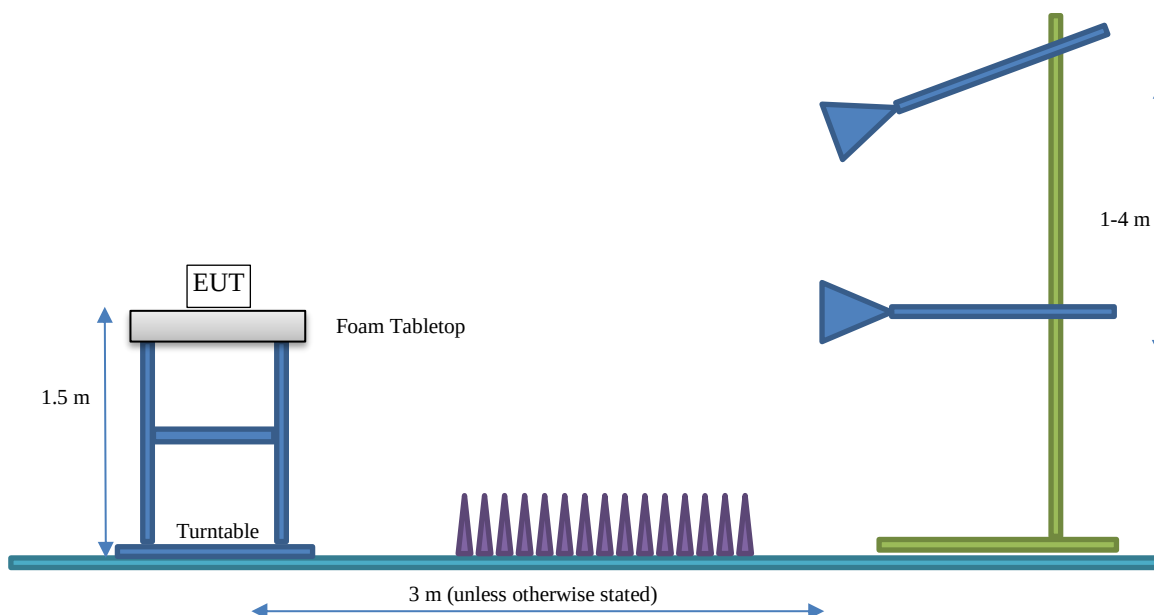
Radiated Power (ERP/EIRP) – Substitution Method:

Measured Level into Substitution Antenna (Amplitude dBm)	Substitution Antenna Factor (dBi)	EIRP to ERP (if applicable)	Measured power (dBm ERP/EIRP)
10.0	6.0	2.15	13.9/16.0

TEST SETUP BLOCK DIAGRAMS

Bore Sighting (>1GHz)

The diameter of the illumination area is the dimension of the line tangent to the EUT formed by 3 dB beamwidth of the measurement antenna at the measurement distance. At a 3 meter test distance, the diameter of the illumination area was 3.8 meters at 1 GHz and greater than 2.1 meters up to 6 GHz. Above 1 GHz, when required by the measurement standard, the antenna is pointed for both azimuth and elevation to maintain the receive antenna within the cone of radiation from the EUT. The specified measurement detectors were used for comparison of the emissions to the peak and average specification limits.



PRODUCT DESCRIPTION

Client and Equipment under Test (EUT) Information

Company Name:	Nokia Solutions and Networks
Address:	3201 Olympus Blvd
City, State, Zip:	Dallas, TX 75019
Test Requested By:	Steve Mitchell
EUT:	AirScale Base Transceiver Station Remote Radio Head Model AHFII
First Date of Test:	January 5, 2026
Last Date of Test:	January 13, 2026
Receipt Date of Samples:	January 5, 2026
Equipment Design Stage:	Production
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:

The AirScale Base Transceiver Station Remote Radio Head Model AHFII 2G GSM and 3G WCDMA carriers RF output was increased via the software feature CB014603-SR. The RF output power of 2G GSM carriers increased from 20 watts to 40 watts and RF output power of 3G WCDMA carriers increased from 30 watts to 40 watts.

A permissive change on the original filing is being pursued to add software feature CB014603-SR to the AirScale Base Transceiver Station Remote Radio Head Model AHFII FCC radio certifications. The original test effort includes testing for 4G LTE technologies. Please refer to the test report on the original certification for details on all required testing.

All conducted RF testing performed for the original certification testing has been repeated using 2G GSM and 3G WCDMA carriers for this permissive change per correspondence/guidance from Nemko TCB. The same test methodology used in the original certification testing was used in this permissive change test effort. Tests performed under the change effort include RF power, peak power, emission bandwidth (99% and 26 dB down), band edge spurious emissions, and conducted spurious emissions.

The testing was performed on the same hardware version (AHFII) as the original certification test. The base station and remote radio head software for this testing is an updated release that includes 2G GSM and 3G WCDMA carriers support at the updated RF output power. The RF output power of 2G GSM carriers increased from 20 watts to 40 watts and RF output power of 3G WCDMA carriers increased from 30 watts to 40 watts. Radiated emission is also repeated for this round of testing.

The frequency stability measurements performed in the original certification were not repeated under this effort per TCB guidance. The frequency stability/accuracy results from the original certification had enough margin to preclude requiring additional testing. The same frequency stability/accuracy radio design is the same for all radio technologies/modulation types.

Nokia Solutions and Networks AirScale Base Transceiver Station (BTS) Remote Radio Head (RRH) module, model AHFII is being developed under this effort. The AHFII remote radio head is a multi-standard multi-carrier radio module designed to support GSM/EDGE, WCDMA, LTE, LTE Narrow Band Internet of Things (NB IoT) operations (in-band, guard band, standalone) and 5G NR. **The scope of testing in this effort is for 2G GSM/EDGE and 3G WCDMA FDD operations.**

The AHFII RRH has four transmit/four receive antenna ports (4TX/4RX for Band 25 and 4TX/4RX for Band 66). Each antenna port supports 3GPP frequency band 25 (BTS Rx: 1850 to 1915 MHz/BTS TX: 1930 to 1995 MHz) and 3GPP frequency band 66 (BTS Rx: 1710 to 1780 MHz/BTS TX: 2110 to 2200 MHz). 2G GSM is only

PRODUCT DESCRIPTION

supported in 3GPP band 2 or 1900 PCS band. 3G WCDMA is supported in both 3GPP Band 2 (1900 PCS band and Band 10 or AWS-1+ Band.

The maximum RF output power of the RRH is 480 Watts (120 watts per port x 4 ports). The maximum power per band (Band 2/25 or Band 10/66) is 80 watts. The maximum single 2G GSM (GSM/EDGE) carrier power level is increased from 20 watts to 40 watts. The maximum single 3G WCDMA carrier power level is increased from 30 watts to 40 watts. The TX and RX instantaneous bandwidth cover the full operational RRH bandwidth. Multi-carrier operation is supported.

The RRH is operated as non-MIMO for GSM/EDGE over 3GPP Band 2 “1900 PCS” (BTS Rx: 1850 to 1910 MHz/BTS TX: 1930 to 1990 MHz). The RRH supports two GSM/EDGE downlink modulation types (GMSK and 8PSK).

The RRH can be operated as a 2x2 MIMO or as non-MIMO for 3G WCDMA FDD operation over 3GPP band 2 “1900 PCS” BTS Rx: 1850 to 1910 MHz/BTS TX: 1930 to 1990 MHz and 3GPP band 10 “AWS-1+” BTS Rx: 1710 to 1770 MHz/BTS TX: 2110 to 2170 MHz. The RRH supports three WCDMA downlink modulation types (QPSK, 16QAM, and 64QAM). The WCDMA modulation types are setup according to 3GPP TS 25.141 UTRA Test Models (TM) as follows TM 1: QPSK, TM 5: 16QAM and TM 6: 64QAM.

Single 2G GSM carriers are tested at the bottom, middle and top channels provided in PCS frequency channel table. Multicarrier testing is performed at maximum port/carrier power per KDB 971168 D03v01 guidance. Single 3G WCDMA carriers are tested at the bottom, middle and top channels provided in PCS band and AWS band frequency channel tables. Multicarrier testing is performed at maximum port/carrier power per KDB 971168 D03v01 guidance.

The RRH has external interfaces including DC power (DC In), ground, transmit/receive (ANT), external alarm (EAC), optical (OPT) and remote electrical tilt (RET). The RRH with applicable installation kit may be pole or wall mounted.

The 1900 PCS Band GSM/EDGE channel bandwidth is 200kHz. The minimum spacing between adjacent GSM/EDGE carriers is 400kHz. The spacing is 200 kHz between channel numbers. The PCS Band GSM/EDGE downlink channel numbers are provided below.

	Downlink ARFCN UTRA Band 2	Downlink Frequency (MHz)	GSM/EDGE Channels
1900 PCS Band_AHFII Antennas 1, 2, 3, 4		1930.0	Band Edge
	512	1930.2	Bottom Channel
	513	1930.4	Bottom Channel + 1
			
	661	1960.0	Middle Channel
			
	809	1989.6	Top Channel - 1
	810	1989.8	Top Channel
		1990.0	Band Edge

AHFII Downlink Band Edge 2G GSM/EDGE Band 2 (1900 PCS) Frequency Channels

PRODUCT DESCRIPTION

The 1900 PCS Band 3G WCDMA channel bandwidth is 5MHz. The channel spacing is 200 kHz between channel numbers. The 1900 PCS Band WCDMA downlink channel numbers are provided below.

	Downlink UARFCN UTRA Band II	Downlink Frequency (MHz)	WCDMA Channel
PCS Band_ AHFII Antennas 1, 2, 3, 4	9660	1930.0	Band edge
			
	9662	1932.4	Bottom Channel
	9663	1932.6	Bottom Channel + 1
			
	9800	1960.0	Middle Channel
			
	9937	1987.4	Top Channel - 1
	9938	1987.6	Top Channel
			
	9940	1990.0	Band edge

AHFII Downlink Band Edge 3G WCDMA 1900 PCS Band Frequency Channels

The AWS Band 3G WCDMA channel bandwidth is 5MHz. The channel spacing is 200 kHz between channel numbers. The AWS Band 3G WCDMA downlink channel numbers are provided below.

	Downlink UARFCN UTRA Band X	Downlink Frequency (MHz)	WCDMA Channel
AWS Band_ AHFII Antennas 1, 2, 3, 4	3100	2110.0	Band edge
			
	3112	2112.4	Bottom Channel
	3113	2112.6	Bottom Channel + 1
			
	3250	2140.0	Middle Channel
			
	3387	2167.4	Top Channel - 1
	3388	2167.6	Top Channel
			
	3400	2170.0	Band edge

AHFII Downlink Band Edge 3G WCDMA AWS Band Frequency Channels

3G WCDMA Multicarrier test cases have been developed as shown below:

- PCS Multicarrier Multiband Test Case:* In the PCS band _ Three WCDMA carriers using two carriers (with minimum spacing between carrier frequencies) at the lower band edge (1932.4 & 1937.4MHz) and a third carrier with maximum spacing between the other two carrier frequencies (1987.6MHz) at the upper band edge. In the AWS band _ Two WCDMA carriers at the band middle (2137.4 & 2142.4MHz). The carriers are operated at maximum power (~26.6W/PCS carrier and 20W/AWS carrier) with a total port power of 120 watts (80W for PCS band carriers + 40W for AWS band carriers).
- PCS Multicarrier Multiband Test Case:* In the PCS band _ Two WCDMA carriers using two carriers (with

maximum spacing between carrier frequencies) at the lower band edge (1932.4MHz) and (1987.6MHz) at the upper band edge. In the AWS band _ Two WCDMA carriers at the band middle (2137.4 & 2142.4MHz). The carriers are operated at maximum power (~40W/PCS carrier and 20W/AWS carrier) with a total port power of 120 watts (80W for PCS band carriers + 40W for AWS band carriers).

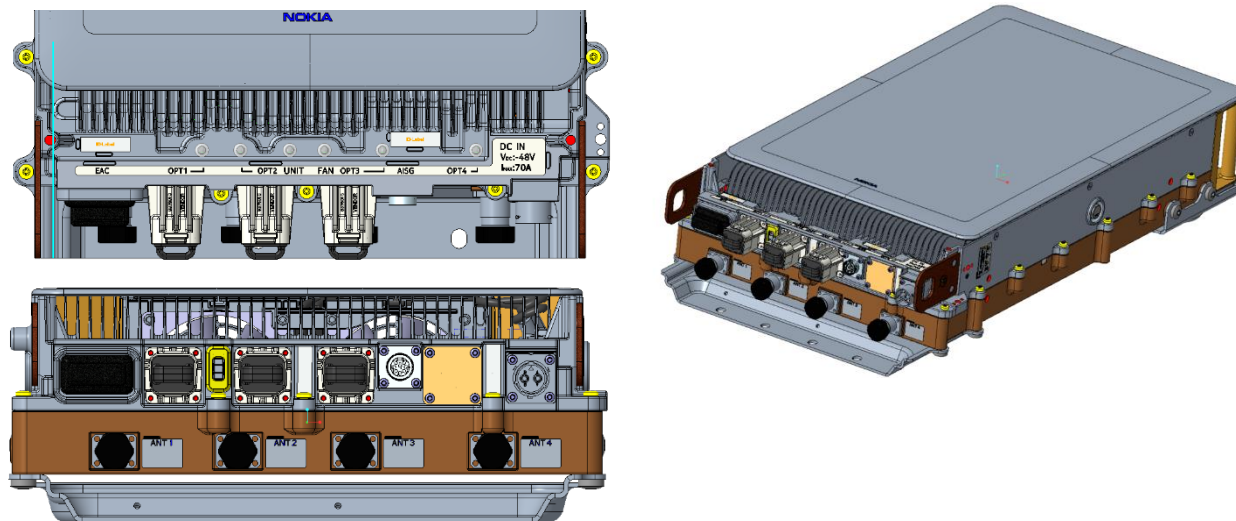
- c) *AWS Multicarrier Multiband Test Case:* In the AWS band _Three WCDMA carriers using two carriers (with minimum spacing between carrier frequencies) at the lower band edge (2112.4 & 2117.4MHz) and a third carrier with maximum spacing between the other two carrier frequencies (2167.6MHz) at the upper band edge. In the PCS band: Two WCDMA carriers at band middle (1957.4 & 1962.4MHz). The carriers are operated at maximum power (~26.6W/AWS carrier and 20W/PCS carrier) with a total port power of 120 watts (80W for AWS band carriers + 40W for PCS band carriers).
- d) *AWS Multicarrier Multiband Test Case:* In the AWS band _Two WCDMA carriers using two carriers (with maximum spacing between carrier frequencies) at the lower band edge (2112.4MHz) and (2167.6MHz) at the upper band edge. In the PCS band: Two WCDMA carriers at band middle (1957.4 & 1962.4MHz). The carriers are operated at maximum power (~40W/AWS carrier and 20W/PCS carrier) with a total port power of 120 watts (80W for AWS band carriers + 40W for PCS band carriers).

2G GSM Multicarrier test cases have been developed as shown below:

- a) *Multicarrier Test Case:* In the PCS band (Band 2) _Three GSM/EDGE carriers (operating at maximum power → 20W/carrier) using two carriers (with minimum spacing between carrier frequencies) at the lower band edge +1 (1930.4 & 1930.8MHz) and a third carrier with maximum spacing between the other two carrier frequencies at the upper band edge -1 (1989.6MHz). A single WCDMA carrier operating at maximum power (20W) at PCS Band middle channel (1960.0MHz). In the AWS band _ Single WCDMA carrier at 40W at the middle channel (2155.0MHz).
The carriers are operated at maximum power (~20W/PCS carrier and 40W/AWS carrier) with at total port power of 120 watts (80W for PCS band carriers + 40W for AWS band carrier).
- b) *Multicarrier Test Case:* In the PCS band (Band 2) _Three GSM/EDGE carriers (operating at reduced power level) using two carriers (with minimum spacing between carrier frequencies) at the lower band edge (1930.2 & 1930.6MHz) and a third carrier with maximum spacing between the other two carrier frequencies at the upper band edge (1989.8MHz). A single WCDMA carrier operating at maximum power (20W) at PCS Band middle channel (1960.0MHz).
In the AWS band _ Single WCDMA carrier at 40W at the middle channel (2155.0MHz).
The GSM carriers operated at reduced power level that will pass at upper and lower band edges.
- c) *Multicarrier Test Case:* In the PCS band (Band 2) _Two GSM/EDGE carriers (operating at maximum power → 36W/carrier) using two carriers (with maximum spacing between carrier frequencies) at the lower band edge +1 (1930.4MHz) at the upper band edge -1 (1989.6MHz). A single WCDMA carrier operating at minimum power (8W) at PCS Band middle channel (1960.0MHz).
In the AWS band _ Single WCDMA carrier at 40W at the middle channel (2155.0MHz).
The carriers operated at maximum power (~36W/GSM PCS band carrier and ~8W/WCDMA PCS band carrier 40W/AWS carrier) with total port power of 120 watts (80W for PCS band carriers + 40W for AWS band carrier).
- d) *Multicarrier Test Case:* In the PCS band (Band 2) _Two GSM/EDGE carriers (operating at reduce power level) using two carriers (with maximum spacing between carrier frequencies) at the lower band edge (1930.2MHz) at the upper band edge (1989.8MHz). A single WCDMA carrier operating at maximum power (8W) at PCS band middle channel (1960.0MHz).
In the AWS band _ Single WCDMA carrier at 40W at the middle channel (2155.0MHz).
The GSM carriers operated at reduced power level that will pass at upper and lower band edges.

PRODUCT DESCRIPTION

AHFII Connector Layout



EUT External Interfaces

Name	Qty	Connector Type	Purpose (and Description)
DC In	1	APPG Amphenol	2-pole Power Input Terminal
GND	1	Screw lug (2xM5/1xM8)	Ground
ANT	4	4.3-10	RF signal for Transmitter/Receiver (50 Ohm)
Unit	1	LED	Unit Status LED
EAC	1	MDR26	External Alarm Interface
OPT	3	SFP	Optical Interfaces
RET	1	8-pin circular connector	AISG 3.0 to external devices_ RET RS-485

Testing Objective:

A permissive change on the original filing is being pursued to add 2G GSM and 3G WCDMA carrier operations to the Nokia Solutions and Networks AirScale Base Transceiver Station (BTS) Remote Radio Head (RRH) model AHFII FCC radio certifications. 2G GSM and 3G WCDMA carrier RF output was increased via the software feature CB014603. The RF output power of 2G GSM carrier increased from 20 watts to 40 watts and RF output power of 3G WCDMA carrier increased from 30 watts to 40 watts.

CONFIGURATIONS

Test Configuration NOKI0090-1 RF Conducted Emissions

Software/Firmware Running during test	
Description	Version
BTS Software Version (26R1)	SBTS26R1 ENB 0000 000406 000000
RF_SW	RF.FRM6.26R1.20251209.003

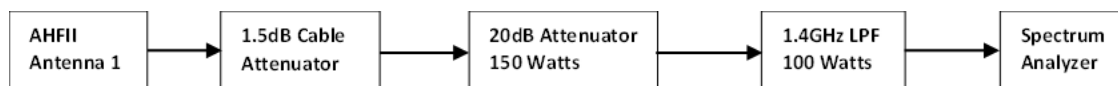
Equipment being tested (include Peripherals)			
Description	Manufacturer	Model/Part Number	Serial Number
AMIA (BTS Cabinet)	Nokia Solutions and Networks	473098A.203	RK182307104
ASIA (BTS System Module)	Nokia Solutions and Networks	473095A.203	AH173111443
ABIA (BTS Baseband Module)	Nokia Solutions and Networks	473096A.102	L1164121378
AHFII (Radio Remote Head)	Nokia Solutions and Networks	475656A.103	AH251400352
Low Pass Filter 1.4GHz/100W	Microwave Circuits, Inc.	L1G006G1	SN3972-01-DC0430
Attenuator 150W/20dB	Weinschel Corp	66-20-33	BZ1165
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023004CK
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023000RM
Lenovo T490	HP	T490	PF26RVZ0
Keysight N8757- DC System power supply	Keysight	N8757A	US21D4054S
FPAC (DC-pwr supply)	Nokia	472438A.101	G7111007170
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297385
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297387
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297384
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC865
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC867
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC866
Cat-5e cable	CSA	LL73189	E151955
(3) 3 Meter RF cable	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN528836/6
1 Meter RF cable	Junsho	MWX241-01000KMSKMS/B	J12J104181-00
Fiber Optic cable 25m	Amphenol Fiber Optic	995741A	VZ1701

CONFIGURATIONS

Cables (Peripheral)					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
Fiber Optic Cable	N	25 meters	N	ABIA	AHFII
Cat-5e Cable	Y	7 meters	N	ASIA	WebEM- PC
HS-SUCOFLEX_106 – RF CABLE	Y	2 meters	N	EUT [AHFII] Ant 2-4	250W -50ohm -Load

Cables					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
(3) HS-SUCOFLEX_106	Y	9 meters	N	EUT [AHFII] Ant port #1	Attenuator 150W/20dB
Attenuator 150W/20dB	N	N/A	N	RF cable HS- SUCOFLEX_106	1.0GHz Low Pass filter 100W
1.0GHz Low Pass filter 100W	N	N/A	N	Attenuator 150W/20dB	RF cable - Junsho
RF cable - Junsho	Y	1 meter	N	1.0GHz Low Pass filter 100W	Analyzer

RF Test Setup Diagram:



CONFIGURATIONS

Test Configuration NOKI0090-2 RF Conducted Emissions

Software/Firmware Running during test	
Description	Version
BTS Software Version (26R1)	SBTS26R1 ENB 0000 000406 000000
RF_SW	RF.FRM6.26R1.20251209.003

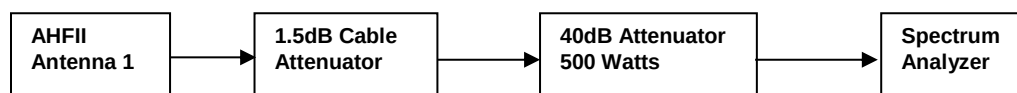
Equipment being tested (include Peripherals)			
Description	Manufacturer	Model/Part Number	Serial Number
AMIA (BTS Cabinet)	Nokia Solutions and Networks	473098A.203	RK182307104
ASIA (BTS System Module)	Nokia Solutions and Networks	473095A.203	AH173111443
ABIA (BTS Baseband Module)	Nokia Solutions and Networks	473096A.102	L1164121378
AHFII (Radio Remote Head)	Nokia Solutions and Networks	475656A.103	AH251400352
Attenuator 40dB/500W	API Weinschel	253-40-33-LIM	UP093
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023004CK
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023000RM
Lenovo T490	HP	T490	PF26RVZ0
Keysight N8757- DC System power supply	Keysight	N8757A	US21D4054S
FPAC (DC-pwr supply)	Nokia	472438A.101	G7111007170
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297385
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297387
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297384
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC865
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC867
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC866
Cat-5e cable	CSA	LL73189	E151955
(3) 3 Meter RF cable	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN528836/6
1 Meter RF cable	Junsho	MWX241-01000KMSKMS/B	J12J104181-00
Fiber Optic cable 25m	Amphenol Fiber Optic	995741A	VZ1701

CONFIGURATIONS

Cables (Peripheral)					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
Fiber Optic Cable	N	25 meters	N	ABIA	AHFII
Cat-5e Cable	Y	7 meters	N	ASIA	WebEM- PC
HS-SUCOFLEX_106 – RF CABLE	Y	2 meters	N	EUT [AHFII] Ant 2-4	250W -50ohm -Load

Cables					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
(3) HS-SUCOFLEX_106	Y	9 meters	N	EUT [AHFII] Ant port #1	Attenuator 500W/40dB
Attenuator 500W/40dB	N	NA	N	RF cable HS- SUCOFLEX_106	RF cable - Junsho
RF cable - Junsho	Y	1 meter	N	Attenuator 500W/40dB	Analyzer

RF Test Setup Diagram:



CONFIGURATIONS

Test Configuration NOKI0090-3 RF Conducted Emissions

Software/Firmware Running during test	
Description	Version
BTS Software Version (26R1)	SBTS26R1 ENB 0000 000406 000000
RF_SW	RF.FRM6.26R1.20251209.003

Equipment being tested (include Peripherals)			
Description	Manufacturer	Model/Part Number	Serial Number
AMIA (BTS Cabinet)	Nokia Solutions and Networks	473098A.203	RK182307104
ASIA (3G BTS System Module)	Nokia Solutions and Networks	473095A.203	AH173111443
ABIA (3G BTS Baseband Module)	Nokia Solutions and Networks	473096A.102	L1164121378
AHFII (Radio Remote Head)	Nokia Solutions and Networks	475656A.103	AH251400352
High Pass Filter 3-18GHz/15W	RLC Electronics	F-100-3500-5-R	0011
Attenuator 150W/20dB	Aeroflex Weinschel	66-20-33	BZ2075
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023004CK
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023000RM
Lenovo T490	HP	T490	PF26RVZ0
Keysight N8757- DC System power supply	Keysight	N8757A	US21D4054S
FPAC (DC-pwr supply)	Nokia	472438A.101	G7111007170
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX 106	SN297385
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX 106	SN297387
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX 106	SN297384
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC865
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC867
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC866
Cat-5e cable	CSA	LL73189	E151955
(3) 3 Meter RF cable	Huber + Suhner, Inc.	HS-SUCOFLEX 106	SN528836/6
1 Meter RF cable	Junsho	MWX241-01000KMSKMS/B	J12J104181-00
Fiber Optic cable 25m	Amphenol Fiber Optic	995741A	VZ1701

CONFIGURATIONS

Cables (Peripheral)					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
Fiber Optic Cable	N	25 meters	N	ABIA	AHFII
Cat-5e Cable	Y	7 meters	N	ASIA	WebEM- PC
HS-SUCOFLEX_106 – RF CABLE	Y	2 meters	N	EUT [AHFII] Ant 2-4	250W -50ohm -Load

Cables					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
(3) HS-SUCOFLEX_106	Y	9 meters	N	EUT [AHFII] Ant port #1	Attenuator 150W/20dB
Attenuator 150W/20dB	N	NA	N	RF cable HS- SUCOFLEX_106	High Pass Filter 3-18GHz/15W
High Pass Filter 3-18GHz/15W	N	NA	N	Attenuator 150W/20dB	RF cable - Junsho
RF cable - Junsho	Y	1 meter	N	High Pass Filter 3-18GHz/15W	Analyzer

RF Test Setup Diagram:



CONFIGURATIONS

Test Configuration NOKI0090-4 RF Conducted Emissions

Software/Firmware Running during test	
Description	Version
BTS Software Version (26R1)	SBTS26R1 ENB 0000 000406 000000
RF_SW	RF.FRM6.26R1.20251209.003

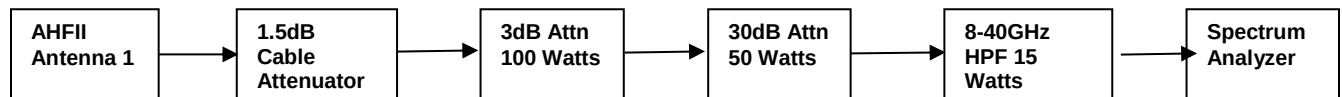
Equipment being tested (include Peripherals)			
Description	Manufacturer	Model/Part Number	Serial Number
AMIA (BTS Cabinet)	Nokia Solutions and Networks	473098A.203	RK182307104
ASIA (3G BTS System Module)	Nokia Solutions and Networks	473095A.203	AH173111443
ABIA (3G BTS Baseband Module)	Nokia Solutions and Networks	473096A.102	L1164121378
AHFII (Radio Remote Head)	Nokia Solutions and Networks	475656A.103	AH251400352
Attenuator 100W/3dB	API Weinschel	47-3-33	CC7387
Attenuator 50W/30dB	Narda	776B	30
High Pass Filter 8-40GHz/15W	RF-Lambda	RHPF23G08G40	17102700014
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023004CK
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023000RM
Lenovo T490	HP	T490	PF26RVZ0
Keysight N8757- DC System power supply	Keysight	N8757A	US21D4054S
FPAC (DC-pwr supply)	Nokia	472438A.101	G7111007170
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX 106	SN297385
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX 106	SN297387
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX 106	SN297384
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC865
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC867
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC866
Cat-5e cable	CSA	LL73189	E151955
(3) 3 Meter RF cable	Huber + Suhner, Inc.	HS-SUCOFLEX 106	SN528836/6
1 Meter RF cable	Junsho	MWX241-01000KMSKMS/B	J12J104181-00
Fiber Optic cable 25m	Amphenol Fiber Optic	995741A	VZ1701

CONFIGURATIONS

Cables (Peripheral)					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
Fiber Optic Cable	N	25 meters	N	ABIA	AHFII
Cat-5e Cable	Y	7 meters	N	ASIA	WebEM- PC
HS-SUCOFLEX_106 – RF CABLE	Y	2 meters	N	EUT [AHFII] Ant 2-4	250W -50ohm -Load

Cables					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
(3) HS-SUCOFLEX_106	Y	9 meters	N	EUT [AHFII] Ant port #1	Attenuator 100W/3dB
Attenuator 100W/3dB	N	NA	N	RF cable HS- SUCOFLEX_106	Attenuator 50W/30dB
Attenuator 50W/30dB	N	NA	N	Attenuator 100W/3dB	High Pass Filter 8-40GHz/15W
High Pass Filter 8-40GHz/15W	N	NA	N	High Pass Filter 8-40GHz/15W	RF cable - Junsho
RF cable - Junsho	Y	1 meter	N	High Pass Filter 8-40GHz/15W	Analyzer

RF Test Setup Diagram:



CONFIGURATIONS

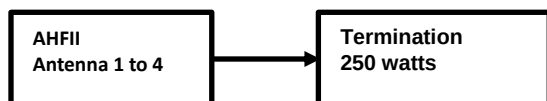
Test Configuration NOKI0090-5 (Radiated Emissions)

Software/Firmware Running during test	
Description	Version
BTS Software Version (26R1)	SBTS26R1_ENB_0000_000406_000000
RF_SW	RF.FRM6.26R1.20251209.003

Equipment being tested (include Peripherals)			
Description	Manufacturer	Model/Part Number	Serial Number
AMIA (BTS Cabinet)	Nokia Solutions and Networks	473098A.203	RK182307104
ASIA (3G BTS System Module)	Nokia Solutions and Networks	473095A.203	AH173111443
ABIA (3G BTS Baseband Module)	Nokia Solutions and Networks	473096A.102	L1164121378
AHFII (Radio Remote Head)	Nokia Solutions and Networks	475656A.103	AH251400352
High Pass Filter 8-40GHz/15W	RF-Lambda	RHPF23G08G40	17102700014
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023004CK
SFP+ 9.8G,300M,850NM	Nokia	474900A.101	VF2023000RM
Lenovo T490	HP	T490	PF26RVZ0
Keysight N8757- DC System power supply	Keysight	N8757A	US21D4054S
FPAC (DC-pwr supply)	Nokia	472438A.101	G7111007170
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297385
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297387
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297384
2 Meter RF cable (Load Cable)	Huber + Suhner, Inc.	HS-SUCOFLEX_106	SN297388
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC864
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC865
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC867
250W -50ohm -Terminating Load	API Weinschel	1433-3-LIM	TC866
Cat-5e cable	CSA	LL73189	E151955

Cables (Peripheral)					
Description	Shield (Y/N)	Length (m)	Ferrite (Y/N)	Connection 1	Connection 2
Fiber Optic cable	N	25 meters	N	ASIA	AHFII
Cat-5e cable	Y	10 meters	N	ASIA	WebEM- PC
AISG/RET	N	2.4m	N	Remote Radio Head Module	Unterminated
Grounding	N	3m	N	Remote Radio Head Module	Turntable Ground

RF Test Setup Diagram:



MODIFICATIONS

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2026-01-05	Spurious Radiated Emissions	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
2	2026-01-07	Peak to Average Power (PAPR)CCDF	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
3	2026-01-09	Occupied Bandwidth	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
4	2026-01-09	Output Power	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
5	2026-01-12	Band Edge Compliance	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
6	2026-01-13	Spurious Conducted Emissions	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
7	2026-01-13	Power Spectral Density	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

OUTPUT POWER - ALL PORTS

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The fundamental emission output power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to its default maximum.

The method in section 5.2.4.3 of ANSI C63.26 was used to make the measurements for 2G GSM. This method uses trace averaging across the ON and OFF times of the EUT transmissions in the spectrum analyzers' swept analysis mode (SA) with trigger in free run and RMS average detector. Peak marker function is used to determine the maximum amplitude level.

The method in section 5.2.4.4 of ANSI C63.26 was used to make the measurements 3G WCDMA. This method uses trace averaging across the ON and OFF times of the EUT transmissions in the spectrum analyzer channel power function using an RMS detector. Following the measurement a duty cycle correction was applied by adding $[10 \log (1/D)]$, where D is the duty cycle in decimal, to the measured power to compute the average power during the actual transmission times.

RF conducted emissions testing was performed on all ports for 3G WCDMA and 2G GSM carrier at middle channel in order to prove the AHFII antenna ports are essentially electrically identical. Antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraphs 5.2.5.3, 5.7.2i and 6.4.

2G GSM carrier operations are required to be operate in MSR modes (Multi Standard Radio) with a different RAT (Radio Access Technologies) (3G WCDMA, 4G LTE, 5G NR) in the same 1900 PCS band. A WCDMA carrier in the same band will be used/enable simultaneously with single GSM carriers.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight Technologies	N9030B	AGA	2025-06-09	2026-06-09
Block - DC	Centric RF	C0140	ANJ	NCR	NCR
Generator - Signal	Agilent	N5173B	TIW	2023-08-07	2026-08-07

Note: The RF Test Setup/ Network (RF cables/Attenuators/filter/etc.) is defined in the configurations section for each test. The RF Test Setup/Network is calibrated using the signal generator and spectrum analyzer prior to test. The RF insertion loss of the RF Test Setup/Network is accounted for by the spectrum analyzer's reference level offset during the RF conducted testing.

OUTPUT POWER - ALL PORTS

EUT:	Airscale Base Transceiver Station Radio Unit Model AHFI	Work Order:	NOKI0090
Serial Number:	AH251400352	Date:	2026-01-09
Customer:	Nokia Solutions and Networks	Temperature:	28.6°C
Attendees:	John Rattanaovong, David Le	Relative Humidity:	17.8%
Customer Project:	None	Bar. Pressure (PMSL):	1022 mbar
Tested By:	Jarrod Brenden	Job Site:	PT14
Power:	54VDC	Configuration:	NOKI0090-2

COMMENTS

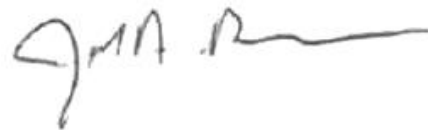
All losses in the measurement path were accounted for in the reference level offset; attenuators, filters, cables, and DC blocks. Carriers were enabled at maximum power levels.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass



Tested By

TEST RESULTS

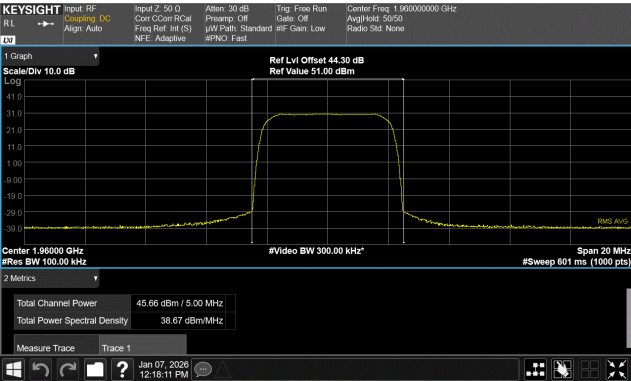
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Value (dBm)	Value (W)	Result
3G WCDMA, PCS Band						
QPSK Modulation						
Middle Channel, 1960.0 MHz						
	Port 1	45.66	0	45.7	36.8	Within Tolerance
	Port 2	45.861	0	45.9	38.6	Within Tolerance
	Port 3	45.846	0	45.8	38.4	Within Tolerance
	Port 4	45.655	0	45.7	36.8	Within Tolerance
	ALL PORTS	N/A	N/A	51.8	150.6	Within Tolerance
3G WCDMA, AWS Band						
QPSK Modulation						
Middle Channel, 2140.0 MHz						
	Port 1	45.93	0	45.9	39.2	Within Tolerance
	Port 2	46.021	0	46.0	40.0	Within Tolerance
	Port 3	46.023	0	46.0	40.0	Within Tolerance
	Port 4	46.119	0	46.1	40.9	Within Tolerance
	ALL PORTS	N/A	N/A	52.0	160.1	Within Tolerance
2G GSM/EDGE, PCS Band						
GMSK Modulation						
Middle Channel, 1960.0 MHz						
	Port 1	45.116	0	45.1	32.5	Within Tolerance
	Port 2	45.207	0	45.2	33.2	Within Tolerance
	Port 3	45.242	0	45.2	33.4	Within Tolerance
	Port 4	45.21	0	45.2	33.2	Within Tolerance
	ALL PORTS	N/A	N/A	51.2	132.3	Within Tolerance

OUTPUT POWER - ALL PORTS

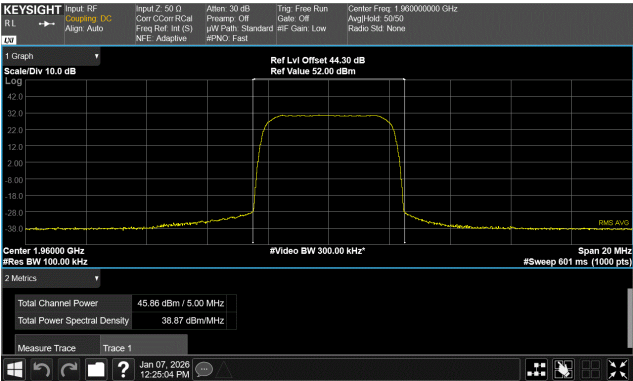


		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Value (dBm)	Value (W)	Result
WDCMA						
QPSK Modulation						
Middle Channel, 1970.0 MHz						
	Port 1	45.758	0	45.8	38.0	Within Tolerance
	Port 2	45.699	0	45.7	37.2	Within Tolerance
	Port 3	45.757	0	45.8	38.0	Within Tolerance
	Port 4	45.715	0	45.7	37.2	Within Tolerance
ALL PORTS		N/A	N/A	51.8	150.3	Within Tolerance

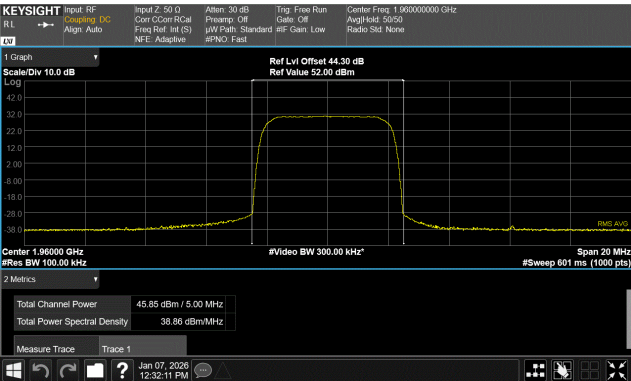
OUTPUT POWER - ALL PORTS



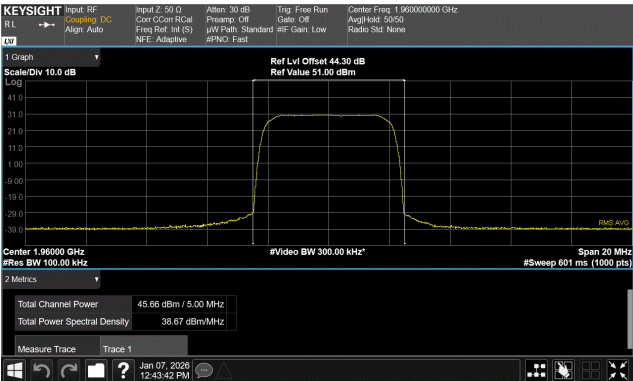
3G WCDMA, PCS Band
QPSK Modulation
Middle Channel, 1960.0 MHz
Port 1



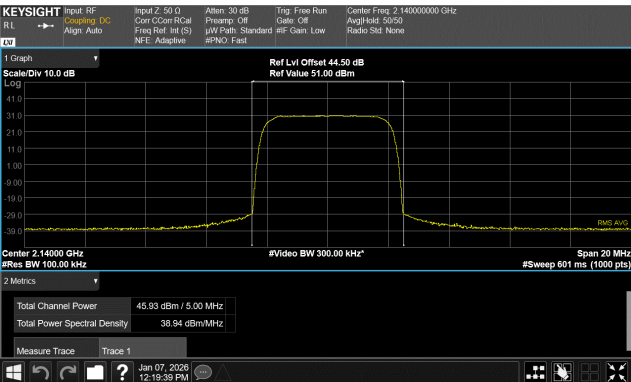
3G WCDMA, PCS Band
QPSK Modulation
Middle Channel, 1960.0 MHz
Port 2



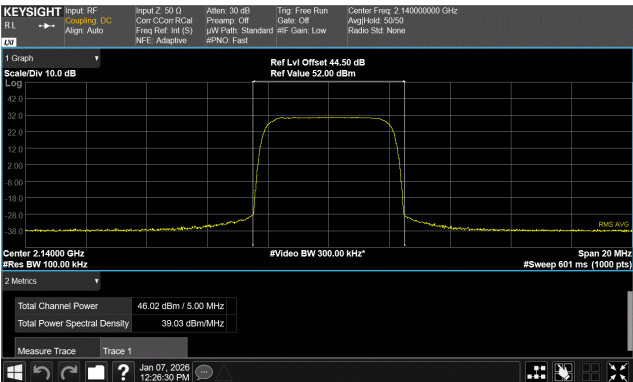
3G WCDMA, PCS Band
QPSK Modulation
Middle Channel, 1960.0 MHz
Port 3



3G WCDMA, PCS Band
QPSK Modulation
Middle Channel, 1960.0 MHz
Port 4

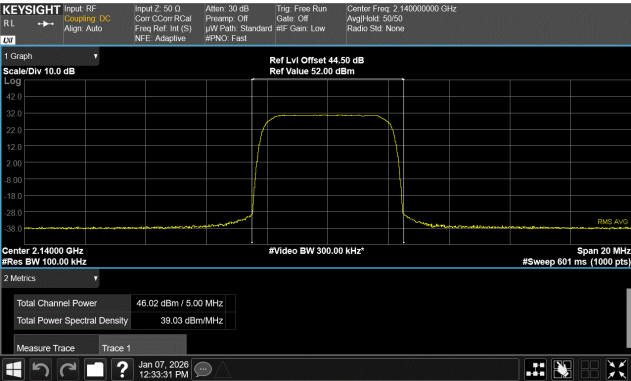


3G WCDMA, AWS Band
QPSK Modulation
Middle Channel, 2140.0 MHz
Port 1

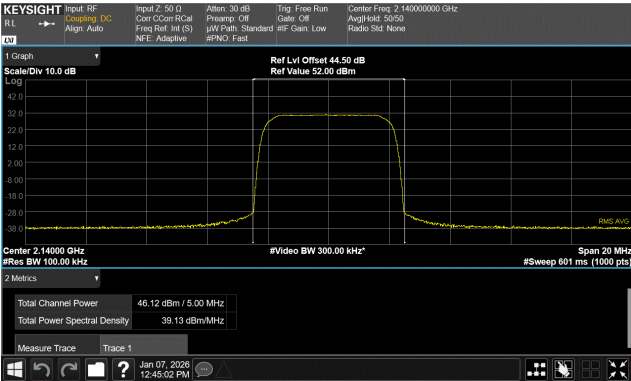


3G WCDMA, AWS Band
QPSK Modulation
Middle Channel, 2140.0 MHz
Port 2

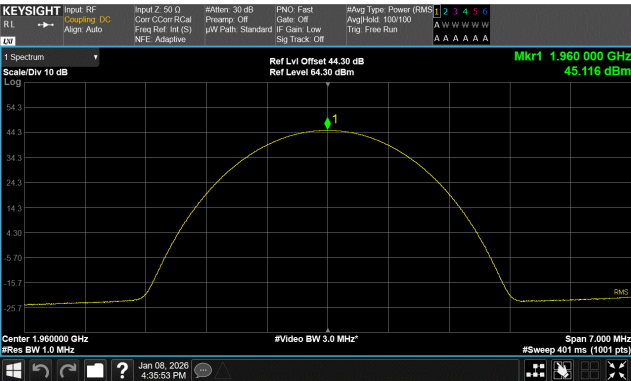
OUTPUT POWER - ALL PORTS



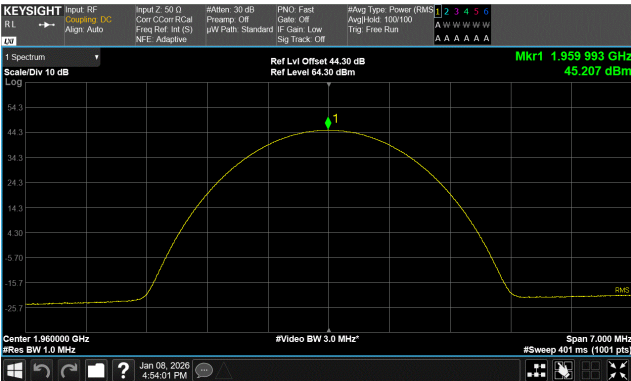
3G WCDMA, AWS Band
QPSK Modulation
Middle Channel, 2140.0 MHz
Port 3



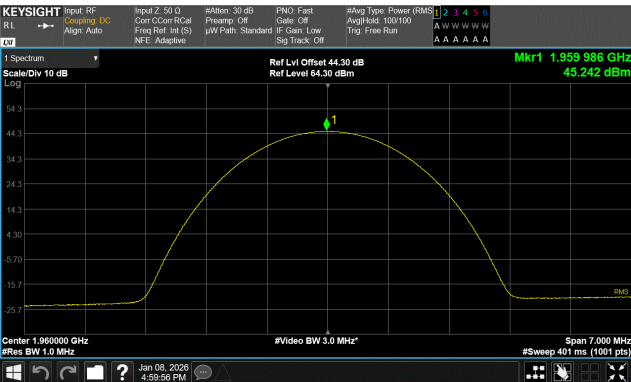
3G WCDMA, AWS Band
QPSK Modulation
Middle Channel, 2140.0 MHz
Port 4



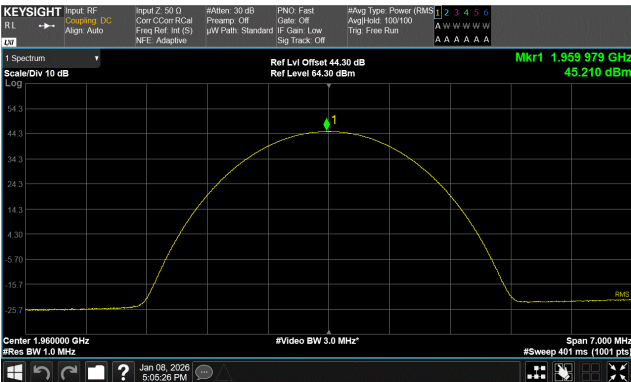
2G GSM/EDGE, PCS Band
GMSK Modulation
Middle Channel, 1960.0 MHz
Port 1



2G GSM/EDGE, PCS Band
GMSK Modulation
Middle Channel, 1960.0 MHz
Port 2

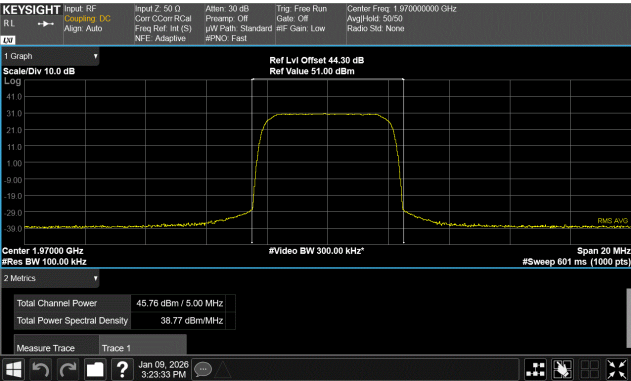


2G GSM/EDGE, PCS Band
GMSK Modulation
Middle Channel, 1960.0 MHz
Port 3

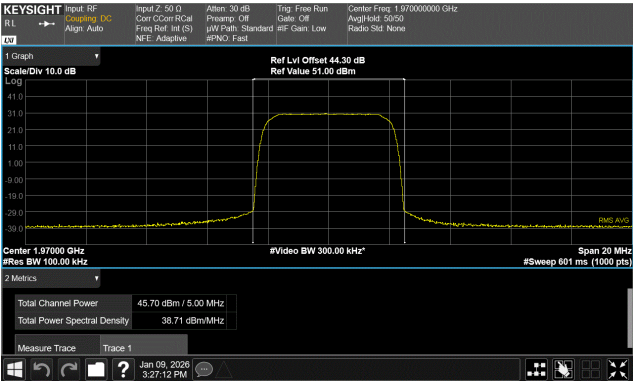


2G GSM/EDGE, PCS Band
GMSK Modulation
Middle Channel, 1960.0 MHz
Port 4

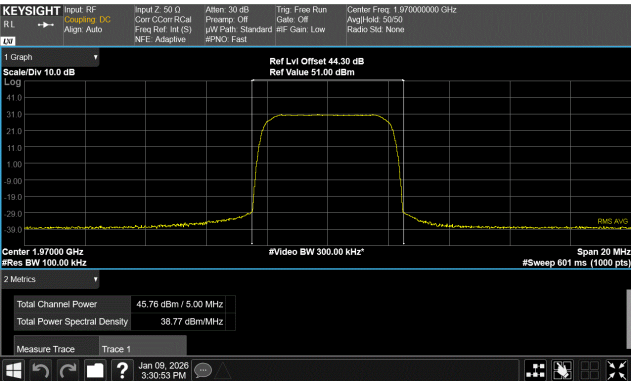
OUTPUT POWER - ALL PORTS



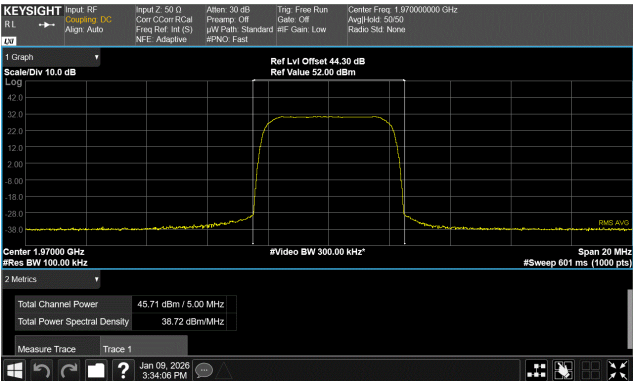
WDCMA
QPSK Modulation
Middle Channel, 1970.0 MHz
Port 1



WDCMA
QPSK Modulation
Middle Channel, 1970.0 MHz
Port 2



WDCMA
QPSK Modulation
Middle Channel, 1970.0 MHz
Port 3



WDCMA
QPSK Modulation
Middle Channel, 1970.0 MHz
Port 4

OUTPUT POWER - WCDMA

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The AHFII antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the "Output Power - All Ports" report section of this report). Antenna port 1 was selected to perform this testing as allowed by ANSI C63.26 paragraphs 5.2.5.3, 5.7.2i and 6.4.

The fundamental emission Output Power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to its default maximum.

The RMS average power measurement method for FCC is detailed in section 5.2 of KDB 971168 D01v03r01 and ANSI C63.26-2015 section 5.2.4.4. Measurements shall be performed at full power on the channel(s) and bandwidth(s) specified in this report.

The output power was measured for a single carrier over the carrier channel bandwidth. The total output power for multiport (2x2 MIMO) operations was determined based per ANSI C63.26 clauses 6.4.3.1 and 6.4.3.2.4 ($10 \log N_{out}$). The total output power for four port operation is single power +3 dB [i.e. $10 \log(2)$].

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight Technologies	N9030B	AGA	2025-06-09	2026-06-09
Block - DC	Centric RF	C0140	ANJ	NCR	NCR
Generator - Signal	Agilent	N5173B	TIW	2023-08-07	2026-08-07

Note: The RF Test Setup/ Network (RF cables/Attenuators/filter/etc.) is defined in the configurations section for each test. The RF Test Setup/Network is calibrated using the signal generator and spectrum analyzer prior to test. The RF insertion loss of the RF Test Setup/Network is accounted for by the spectrum analyzer's reference level offset during the RF conducted testing.

OUTPUT POWER - WCDMA

EUT:	Airscale Base Transceiver Station Radio Unit Model AHFI	Work Order:	NOKI0090
Serial Number:	AH251400352	Date:	2026-01-07
Customer:	Nokia Solutions and Networks	Temperature:	28.6°C
Attendees:	John Rattanaovong, David Le	Relative Humidity:	17.8%
Customer Project:	None	Bar. Pressure (PMSL):	1022 mbar
Tested By:	Jarrod Brenden	Job Site:	PT14
Power:	54VDC	Configuration:	NOKI0090-2

COMMENTS

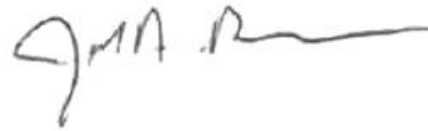
All losses in the measurement path were accounted for in the reference level offset; attenuators, filters, cables, and DC blocks. Carriers were enabled at maximum power levels.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass



Tested By

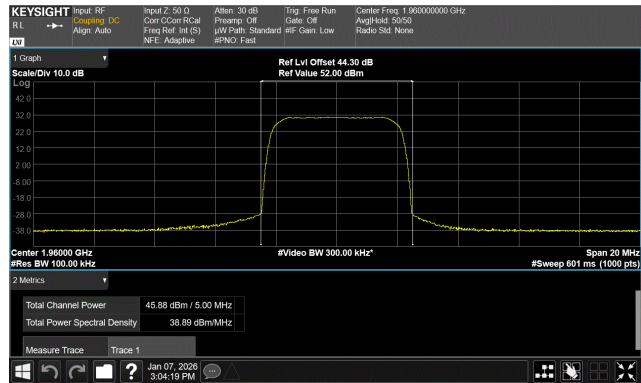
TEST RESULTS

	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Single Port dBm/Carrier BW	Two Port (2x2 MIMO) dBm/MHz
3G WCDMA, PCS Band				
QPSK Modulation				
Low Channel, 1932.4 MHz	45.987	0	46	49.0
Middle Channel, 1960.0 MHz	45.875	0	45.9	48.9
High Channel, 1987.6 MHz	46.001	0	46	49.0
16QAM Modulation				
Middle Channel, 1960.0 MHz	45.882	0	45.9	48.9
64QAM Modulation				
Middle Channel, 1960.0 MHz	45.835	0	45.8	48.8
3G WCDMA, AWS Band				
QPSK Modulation				
Low Channel, 2112.4 MHz	46.118	0	46.1	49.1
Middle Channel, 2140.0 MHz	46.076	0	46.1	49.1
High Channel, 2167.6 MHz	46.158	0	46.2	49.2
16QAM Modulation				
Middle Channel, 2140.0 MHz	46.063	0	46.1	49.1
64QAM Modulation				
Middle Channel, 2140.0 MHz	46.108	0	46.1	49.1

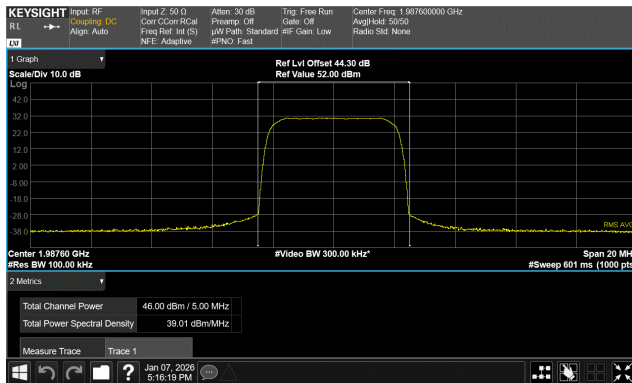
OUTPUT POWER - WCDMA



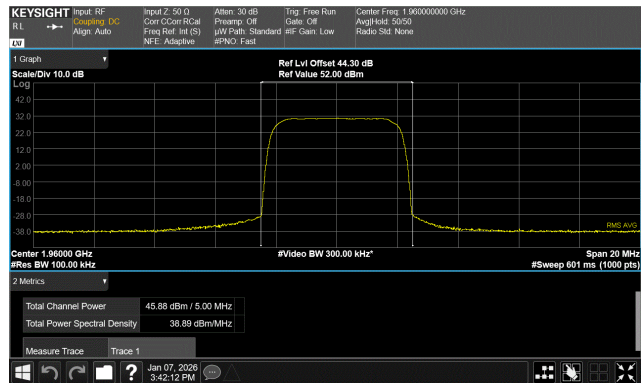
3G WCDMA, PCS Band
QPSK Modulation
Low Channel, 1932.4 MHz



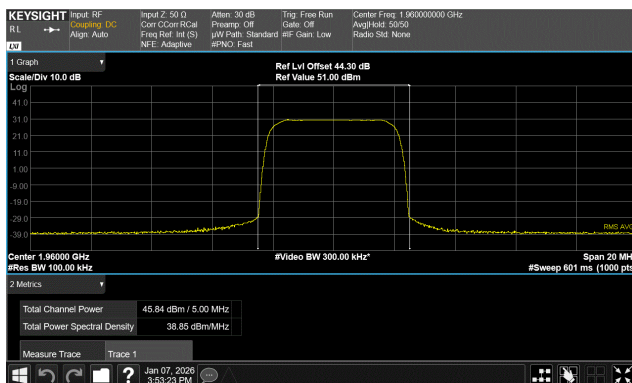
3G WCDMA, PCS Band
QPSK Modulation
Middle Channel, 1960.0 MHz



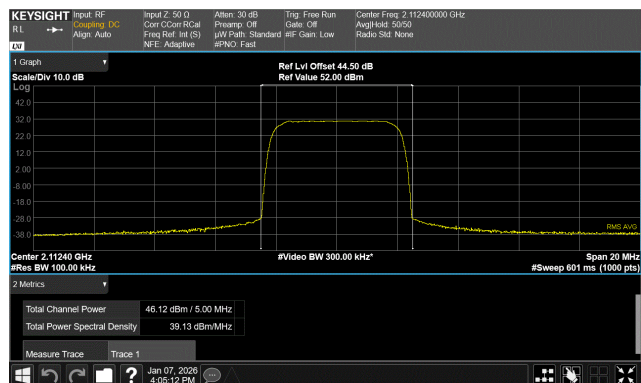
3G WCDMA, PCS Band
QPSK Modulation
High Channel, 1987.6 MHz



3G WCDMA, PCS Band
16QAM Modulation
Middle Channel, 1960.0 MHz

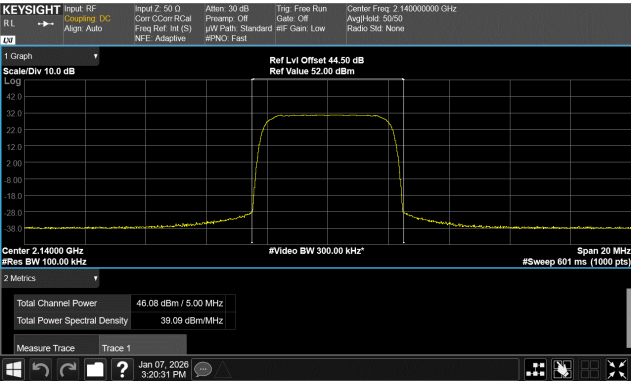


3G WCDMA, PCS Band
64QAM Modulation
Middle Channel, 1960.0 MHz

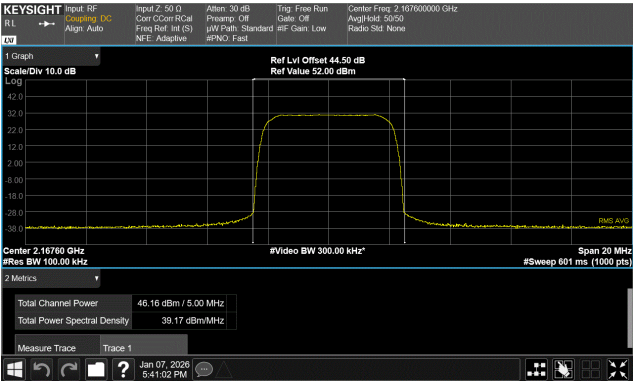


3G WCDMA, AWS Band
QPSK Modulation
Low Channel, 2112.4 MHz

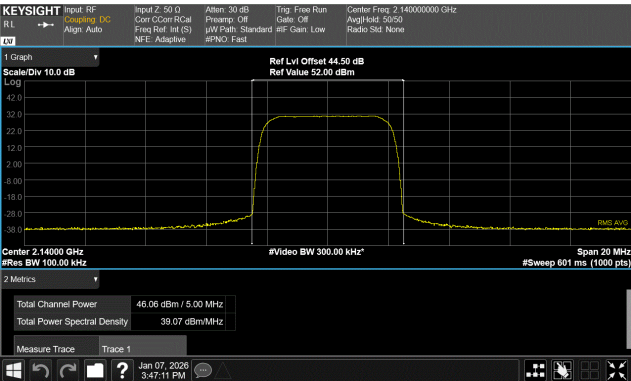
OUTPUT POWER - WCDMA



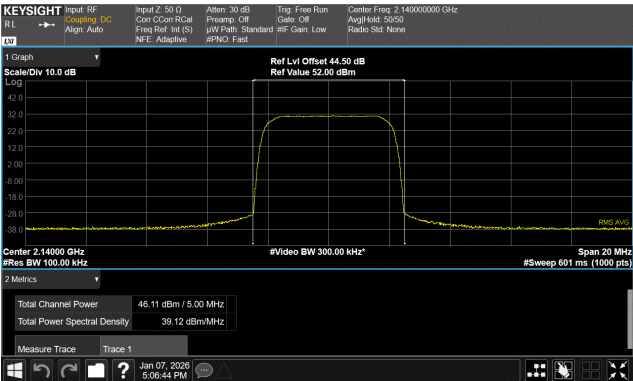
3G WCDMA, AWS Band
QPSK Modulation
Middle Channel, 2140.0 MHz



3G WCDMA, AWS Band
QPSK Modulation
High Channel, 2167.6 MHz



3G WCDMA, AWS Band
16QAM Modulation
Middle Channel, 2140.0 MHz



3G WCDMA, AWS Band
64QAM Modulation
Middle Channel, 2140.0 MHz

OUTPUT POWER AND EIRP CALCULATION - GSM



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The AHFII antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the "Output Power - All Ports" report section of this report). Antenna port 1 was selected to perform this testing as allowed by ANSI C63.26 paragraphs 5.2.5.3, 5.7.2i and 6.4.

The method in section 5.2.4.3 of ANSI C63.26 was used to make the measurements for 2G GSM. This method uses trace averaging across the ON and OFF times of the EUT transmissions in the spectrum analyzers' swept analysis mode (SA) trigger free run and RMS average detector. Peak marker function is used to determine the maximum amplitude level.

2G GSM carrier operations are required to be operate in MSR modes (Multi Standard Radio) with a different RAT (Radio Access Technologies) (3G WCDMA, 4GLTE, 5GNR) in the same 1900 PCS band. A WCDMA carrier in the same band will be used/enable simultaneously with single GSM carriers.

FCC Requirements: Part 24.232 Power and antenna height limits.

(a)(1) Base stations with an emission bandwidth of 1 MHz or less are limited to 1640 watts equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.

(a)(3) Base station antenna heights may exceed 300 meters HAAT with a corresponding reduction in power; see Tables 1 and 3 of this section.

(b)(1) Base stations that are located in counties with population densities of 100 persons or fewer per square mile, based upon the most recently available population statistics from the Bureau of the Census, with an emission bandwidth of 1 MHz or less are limited to 3280 watts equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight Technologies	N9030B	AGA	2025-06-09	2026-06-09
Antenna - Double Ridge	ETS Lindgren	3115	AJN	2024-09-27	2026-09-27
Generator - Signal	Agilent	N5173B	TIW	2023-08-07	2026-08-07

Note: The RF Test Setup/ Network (RF cables/Attenuators/filter/etc.) is defined in the configurations section for each test. The RF Test Setup/Network is calibrated using the signal generator and spectrum analyzer prior to test. The RF insertion loss of the RF Test Setup/Network is accounted for by the spectrum analyzer's reference level offset during the RF conducted testing.

OUTPUT POWER AND EIRP CALCULATION - GSM



EUT:	Airscale Base Transceiver Station Radio Unit Model AHFI	Work Order:	NOKI0090
Serial Number:	AH251400352	Date:	2026-01-13
Customer:	Nokia Solutions and Networks	Temperature:	28.8°C
Attendees:	John Rattanaovong, David Le	Relative Humidity:	18.4%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jarrod Brenden	Job Site:	PT14
Power:	54VDC	Configuration:	NOKI0090-2

COMMENTS

All losses in the measurement path were accounted for in the reference level offset; attenuators, filters, cables, and DC blocks. Carriers were enabled at maximum power levels.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

TEST RESULTS

	Initial Value (dBm)	Duty Cycle Factor (dB)	Single Port dBm/Carrier BW
2G GSM/EDGE, PCS Band			
GMSK Modulation			
Low Channel, 1930.2 MHz	45.111	0	45.1
Low Channel +1, 1930.4 MHz	45.099	0	45.1
Middle Channel, 1960.0 MHz	45.275	0	45.3
High Channel -1, 1989.6 MHz	45.183	0	45.2
High Channel, 1989.8 MHz	45.372	0	45.4
8PSK Modulation			
Low Channel, 1930.2 MHz	45.162	0	45.2
Low Channel +1, 1930.4 MHz	45.059	0	45.1
Middle Channel, 1960.0 MHz	45.229	0	45.2
High Channel -1, 1989.6 MHz	45.201	0	45.2
High Channel, 1989.8 MHz	45.336	0	45.3
WCDMA			
QPSK Modulation			
Middle Channel, 1970.0 MHz	45.382	0	45.4

OUTPUT POWER AND EIRP CALCULATION - GSM

TEST RESULTS – REDUCED POWER

	Initial Value (dBm)	Duty Cycle Factor (dB)	Single Port dBm/Carrier BW	Limit	Result
2G GSM/EDGE, PCS Band - Reduced Power for EIRP					
GMSK Modulation					
High Channel, 1989.8 MHz	42.663	0	42.7	Within Tolerance	Pass
8PSK Modulation					
High Channel, 1989.8 MHz	43.542	0	43.5	Within Tolerance	Pass
WDCMA					
QPSK Modulation					
Middle Channel, 1970.0 MHz	45.382	0	45.4	N/A	N/A

EIRP Calculations

EIRP calculations are needed at each transmitter location to optimize base station operational performance while meeting regulatory requirements. Each cell site installation needs to consider the power measurements in the radio certification report as well as site specific regulatory requirements (such as antenna height, population density, etc.), site installation parameters (line loss between antenna and radio, antenna parameters, etc.) and base station operational parameters (MIMO operational setup, carrier power level, channel bandwidth, modulation type, etc.) to optimize performance. Transmitter output power may be reduced (from maximum) by base station setup parameters. Base station antennas are selected by the customer.

The base station antenna is selected by the customer and this EIRP calculation is based upon a sample worst case antenna. The EIRP calculation is based upon Kathrein antenna assembly model “80011867”. The maximum PCS Band gain (17.9dBi) for this antenna was used for the EIRP calculation. This antenna assembly has a pair of $\pm 45^\circ$ cross-polarized radiators used for the PCS Band. The four antenna RF inputs (used for PCS Band) on the antenna assembly are as follows: Y1+ L5 (+45°), Y1- L6 (-45°), Y2+ R7 (+45°) and Y2- R8 (-45°). Four AHFII transmitter outputs are connected to the antenna assembly RF inputs.

Equivalent Isotropically Radiated Power (EIRP) is calculated (as specified in ANSI C63.26-2015 section 6.4) from the results of power measurements (highest measured PSD for each channel bandwidth type). The maximum antenna gain was used for this calculation. The cable loss between the antenna and transmitter is site dependent (will not be 0 dB) but for this worst case EIRP calculation 0 dB was used. Calculations of worst-case EIRP for single port operation are as follows:

Parameter	GSM Carrier	Reduce GSM Carrier
Worst Case PSD/Antenna Port	45.4 dBm	43.5 dBm
Cable Loss (site dependent)	0 dB	0 dB
Maximum Antenna Gain (G_{Ant})	17.9 dBi	17.9 dBi
EIRP Total = PSD/ant port - Cable Loss + Ant Gain	63.3 dBm	61.4 dBm

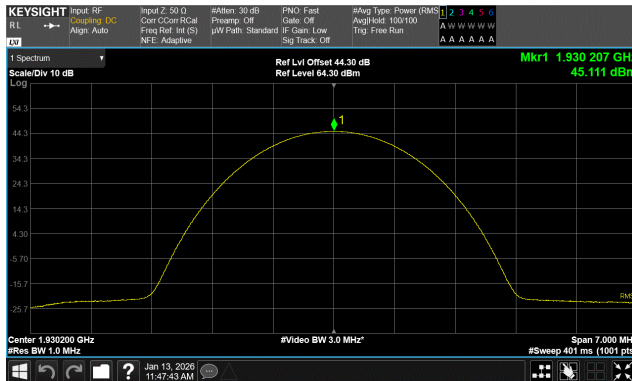
Calculation Summary

The worst case AHFII 1900 PCS Band EIRP levels for GSM carriers using antenna assembly model “80011867” are under the FCC (3280 watts/MHz or 65.16 dBm/MHz) EIRP Regulatory Limits.

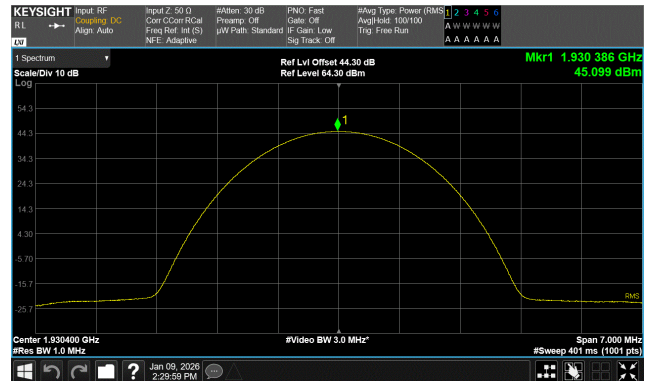
The worst case AHFII 1900 PCS Band EIRP levels for GSM carriers using antenna assembly model “80011867” are over/exceed the FCC (1640 watts/MHz or 62.15 dBm/MHz) EIRP Regulatory Limits by about 1.15dBs.

The AHFII 1900 PCS Band EIRP levels for GSM carriers using antenna assembly model “80011867” will need to be reduce. The reduced AHFII 1900 PCS Band EIRP levels for GSM carriers are under the FCC (1640 watts/MHz or 62.15 dBm/MHz) EIRP Regulatory Limits.

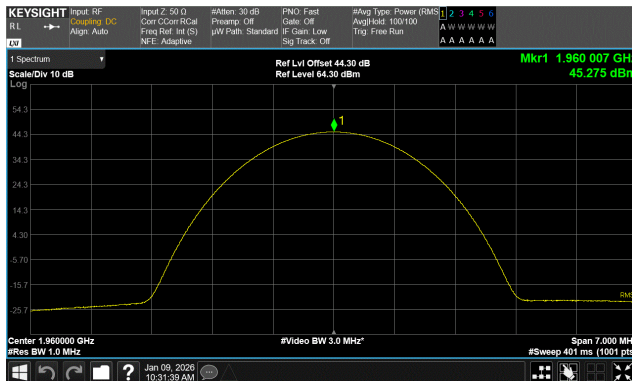
OUTPUT POWER AND EIRP CALCULATION - GSM



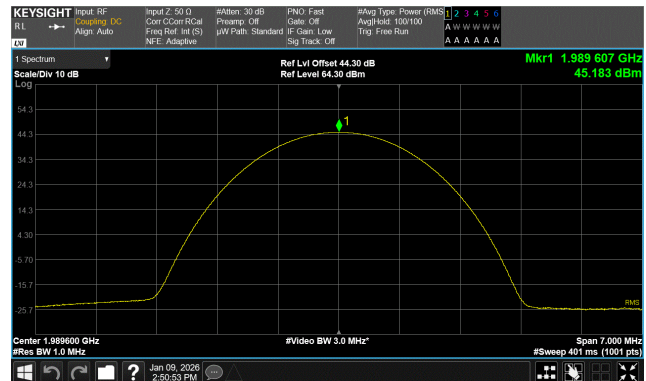
2G GSM/EDGE, PCS Band
GMSK Modulation
Low Channel, 1930.2 MHz



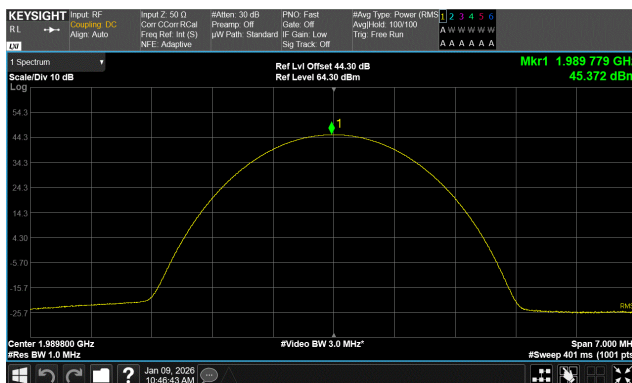
2G GSM/EDGE, PCS Band
GMSK Modulation
Low Channel +1, 1930.4 MHz



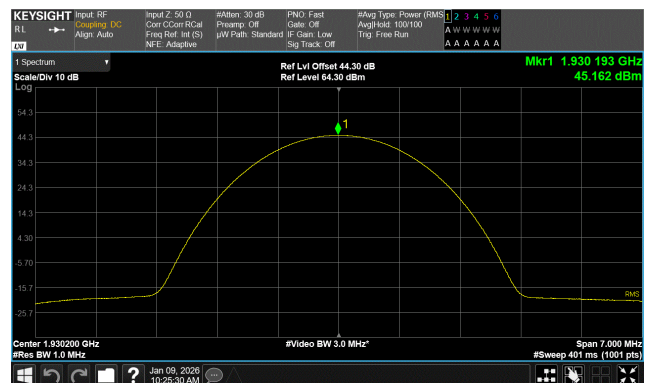
2G GSM/EDGE, PCS Band
GMSK Modulation
Middle Channel, 1960.0 MHz



2G GSM/EDGE, PCS Band
GMSK Modulation
High Channel -1, 1989.6 MHz

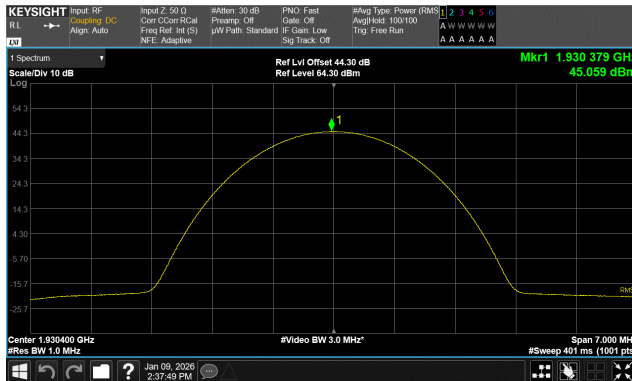


2G GSM/EDGE, PCS Band
GMSK Modulation
High Channel, 1989.8 MHz

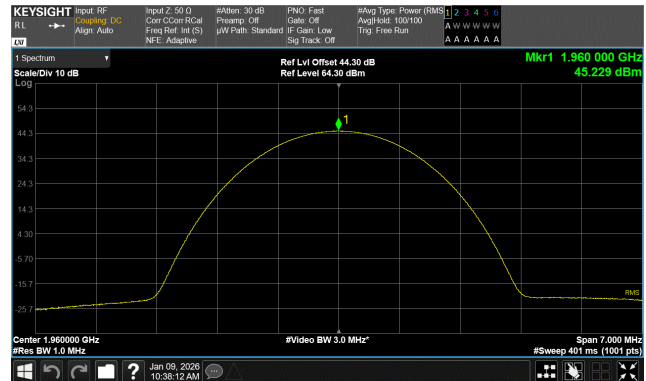


2G GSM/EDGE, PCS Band
8PSK Modulation
Low Channel, 1930.2 MHz

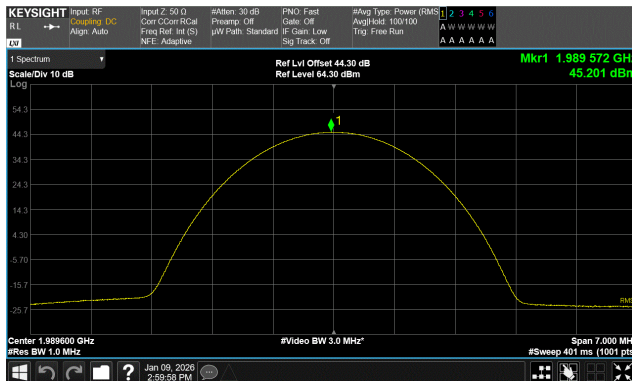
OUTPUT POWER AND EIRP CALCULATION - GSM



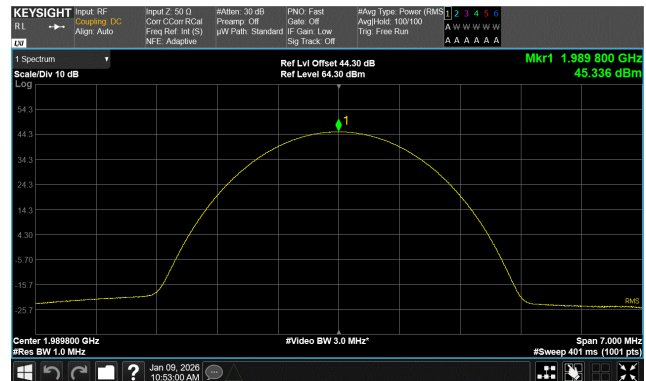
**2G GSM/EDGE, PCS Band
8PSK Modulation
Low Channel +1, 1930.4 MHz**



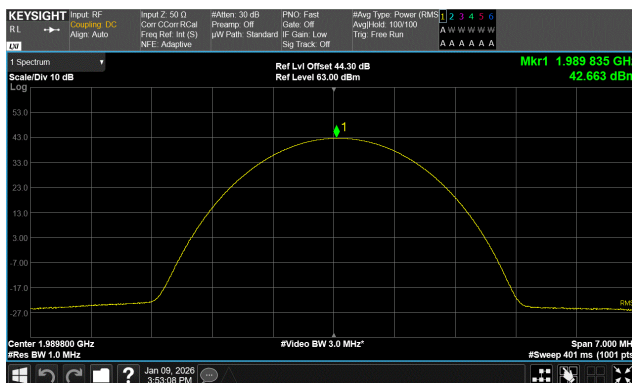
**2G GSM/EDGE, PCS Band
8PSK Modulation
Middle Channel, 1960.0 MHz**



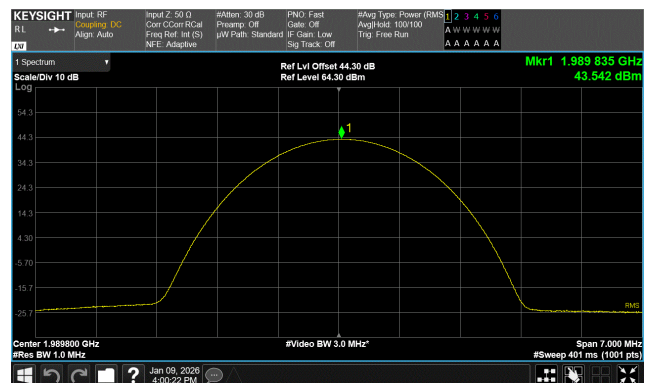
**2G GSM/EDGE, PCS Band
8PSK Modulation
High Channel -1, 1989.6 MHz**



**2G GSM/EDGE, PCS Band
8PSK Modulation
High Channel, 1989.8 MHz**



**2G GSM/EDGE, PCS Band - Reduced Power
GMSK Modulation
High Channel, 1989.8 MHz**



**2G GSM/EDGE, PCS Band - Reduced Power
8PSK Modulation
High Channel, 1989.8 MHz**

OUTPUT POWER AND EIRP CALCULATION - GSM



WCDMA
QPSK Modulation
Middle Channel, 1970.0 MHz

OUTPUT POWER - MULTICARRIER

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The fundamental emission output power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to its default maximum.

The method in section 5.2.4.3 of ANSI C63.26 was used to make the measurements for 2G GSM. This method uses trace averaging across the ON and OFF times of the EUT transmissions in the spectrum analyzers' swept analysis mode (SA) with trigger in free run and RMS average detector. Peak marker function is used to determine the maximum amplitude level.

The method in section 5.2.4.4 of ANSI C63.26 was used to make the measurements 3G WCDMA. This method uses trace averaging across the ON and OFF times of the EUT transmissions in the spectrum analyzer channel power function using an RMS detector. Following the measurement a duty cycle correction was applied by adding $[10 \log (1/D)]$, where D is the duty cycle in decimal, to the measured power to compute the average power during the actual transmission times. RF conducted emissions testing was performed on all ports for 3G WCDMA and 2G GSM carrier at middle channel in order to prove the AHFII antenna ports are essentially electrically identical. Antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraphs 5.2.5.3, 5.7.2i and 6.4.

The output power was measured for a single carrier over the carrier channel bandwidth. The total output power for multiport (2x2 MIMO) operations was determined based per ANSI C63.26 clause 6.4.3.1 and 6.4.3.2.4 ($10 \log N_{out}$). The total output power for two port operation is single power +3 db [i.e $10 \log(2)$].

WCDMA Multicarrier test cases have been developed as shown below:

PCS Multicarrier Multiband Test Case 1: In the PCS band _Three WCDMA carriers using two carriers (with minimum spacing between carrier frequencies) at the lower band edge (1932.4 & 1937.4MHz) and a third carrier with maximum spacing between the other two carrier frequencies (1987.6MHz) at the upper band edge. In the AWS band _ Two WCDMA carriers at the band middle (2137.4 & 2142.4MHz). The carriers are operated at maximum power (~26.6W/PCS carrier and 20W/AWS carrier) with a total port power of 120 watts (80W for PCS band carriers + 40W for AWS band carriers).

PCS Multicarrier Multiband Test Case 2: In the PCS band _Two WCDMA carriers using two carriers (with maximum spacing between carrier frequencies) at the lower band edge (1932.4MHz) and (1987.6MHz) at the upper band edge. In the AWS band _ Two WCDMA carriers at the band middle (2137.4 & 2142.4MHz). The carriers are operated at maximum power (~40W/PCS carrier and 20W/AWS carrier) with a total port power of 120 watts (80W for PCS band carriers + 40W for AWS band carriers).

AWS Multicarrier Multiband Test Case 3: In the AWS band _Three WCDMA carriers using two carriers (with minimum spacing between carrier frequencies) at the lower band edge (2112.4 & 2117.4MHz) and a third carrier with maximum spacing between the other two carrier frequencies (2167.6MHz) at the upper band edge. In the PCS band: Two WCDMA carriers at band middle (1957.4 & 1962.4MHz). The carriers are operated at maximum power (~26.6W/AWS carrier and 20W/PCS carrier) with a total port power of 120 watts (80W for AWS band carriers + 40W for PCS band carriers).

AWS Multicarrier Multiband Test Case 4: In the AWS band _Two WCDMA carriers using two carriers (with maximum spacing between carrier frequencies) at the lower band edge (2112.4MHz) and (2167.6MHz) at the upper

OUTPUT POWER - MULTICARRIER

band edge. In the PCS band: Two WCDMA carriers at band middle (1957.4 & 1962.4MHz). The carriers are operated at maximum power (~40W/AWS carrier and 20W/PCS carrier) with a total port power of 120 watts (80W for AWS band carriers + 40W for PCS band carriers).

GSM Multicarrier test cases have been developed as shown below:

Multicarrier Test Case 1: In the PCS band (Band 2)—Three GSM/EDGE carriers (operating at maximum power → 20W/carrier) using two carriers (with minimum spacing between carrier frequencies) at the lower band edge +1 (1930.4 & 1930.8MHz) and a third carrier with maximum spacing between the other two carrier frequencies at the upper band edge -1 (1989.6MHz). A single WCDMA carrier operating at maximum power (20W) at PCS Band middle channel (1960.0MHz). In the AWS band _ Single WCDMA carrier at 40W at the middle channel (2155.0MHz). The carriers are operated at maximum power (~20W/PCS carrier and 40W/AWS carrier) with total port power of 120 watts (80W for PCS band carriers + 40W for AWS band carrier).

Multicarrier Test Case 2: In the PCS band (Band 2)—Three GSM/EDGE carriers (operating at reduced power level) using two carriers (with minimum spacing between carrier frequencies) at the lower band edge (1930.2 & 930.6MHz) and a third carrier with maximum spacing between the other two carrier frequencies at the upper band edge (1989.8MHz). A single WCDMA carrier operating at maximum power (20W) at PCS Band middle channel (1960.0MHz). In the AWS band _ Single WCDMA carrier at 40W at the middle channel (2155.0MHz). The GSM carriers operated at reduced power level that will pass at upper and lower band edges.

Multicarrier Test Case 3: In the PCS band (Band 2)—Two GSM/EDGE carriers (operating at maximum power → 36W/carrier) using two carriers (with maximum spacing between carrier frequencies) at the lower band edge +1 (1930.4MHz) at the upper band edge -1 (1989.6MHz). A single WCDMA carrier operating at minimum power (8W) at PCS Band middle channel (1960.0MHz). In the AWS band _ Single WCDMA carrier at 40W at the middle channel (2155.0MHz). The carriers operated at maximum power (~36W/GSM PCS band carrier and ~8W/WCDMA PCS band carrier 40W/AWS carrier) with total port power of 120 watts (80W for PCS band carriers + 40W for AWS band carrier).

Multicarrier Test Case 4: In the PCS band (Band 2)—Two GSM/EDGE carriers (operating at reduce power level) using two carriers (with maximum spacing between carrier frequencies) at the lower band edge (1930.2MHz) at the upper band edge (1989.8MHz). A single WCDMA carrier operating at maximum power (8W) at PCS band middle channel (1960.0MHz). In the AWS band _ Single WCDMA carrier at 40W at the middle channel (2155.0MHz). The GSM carriers operated at reduced power level that will pass at upper and lower band edges.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight Technologies	N9030B	AGA	2025-06-09	2026-06-09
Block - DC	Centric RF	C0140	ANJ	NCR	NCR
Generator - Signal	Agilent	N5173B	TIW	2023-08-07	2026-08-07

Note: The RF Test Setup/ Network (RF cables/Attenuators/filter/etc.) is defined in the configurations section for each test. The RF Test Setup/Network is calibrated using the signal generator and spectrum analyzer prior to test. The RF insertion loss of the RF Test Setup/Network is accounted for by the spectrum analyzer's reference level offset during the RF conducted testing.

OUTPUT POWER - MULTICARRIER

EUT:	Airscale Base Transceiver Station Radio Unit Model AHFI	Work Order:	NOKI0090
Serial Number:	AH251400352	Date:	2026-01-13
Customer:	Nokia Solutions and Networks	Temperature:	28.3°C
Attendees:	John Rattanaovong, David Le	Relative Humidity:	18.9%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jarrod Brenden	Job Site:	PT14
Power:	54VDC	Configuration:	NOKI0090-2

COMMENTS

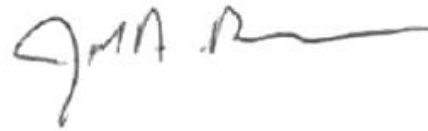
All losses in the measurement path were accounted for in the reference level offset; attenuators, filters, cables, and DC blocks. Carriers were enabled at maximum power levels.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass



Tested By

TEST RESULTS

	Cond Pwr (dBm)	Duty Cycle Factor (dB)	Single Port dBm/Carrier BW	Two-Port (2x2 MIMO) dBm/carrier BW
3G WCDMA				
Test Case 1				
1932.4 MHz, PCS Band	43.62	0	43.6	46.6
1937.4 MHz, PCS Band	43.682	0	43.7	46.7
1987.6 MHz, PCS Band	43.48	0	43.5	46.5
2137.4 MHz, AWS Band	42.711	0	42.7	45.7
2142.4 MHz, AWS Band	42.711	0	42.7	45.7
Test Case 2				
1932.4 MHz, PCS Band	44.656	0	44.7	47.7
1987.6 MHz, PCS Band	44.681	0	44.7	47.7
2137.4 MHz, AWS Band	42.799	0	42.8	45.8
2142.4 MHz, AWS Band	42.767	0	42.8	45.8
Test Case 3				
2112.4 MHz, AWS Band	42.972	0	43	46.0
2117.4 MHz, AWS Band	42.865	0	42.9	45.9
2167.6 MHz, AWS Band	42.728	0	42.7	45.7
1957.4 MHz, PCS Band	42.553	0	42.6	45.6
1962.4 MHz, PCS Band	42.501	0	42.5	45.5

OUTPUT POWER - MULTICARRIER

	Cond Pwr (dBm)	Duty Cycle Factor (dB)	Single Port dBm/Carrier BW	Two-Port (2x2 MIMO) dBm/carrier BW
Test Case 4				
2112.4 MHz, AWS Band	44.853	0	44.9	47.9
2167.6 MHz, AWS Band	44.735	0	44.7	47.7
1957.4 MHz, PCS Band	42.593	0	42.6	45.6
1962.4 MHz, PCS Band	42.546	0	42.5	45.5
2G GSM/EDGE				
Test Case 1				
GMSK Modulation				
1930.4 MHz, PCS Band	42.502	0	42.5	N/A
1930.8 MHz, PCS Band	42.596	0	42.6	N/A
1989.6 MHz, PCS Band	42.687	0	42.7	N/A
1960.0 MHz, PCS Band, WCDMA	42.676	0	42.7	45.7
2155.0 MHz, AWS Band, WCDMA	45.854	0	45.9	48.9
8PSK Modulation				
1930.4 MHz, PCS Band	42.377	0	42.4	N/A
1930.8 MHz, PCS Band	42.512	0	42.5	N/A
1989.6 MHz, PCS Band	42.586	0	42.6	N/A
1960.0 MHz, PCS Band, WCDMA	42.642	0	42.6	45.6
2155.0 MHz, AWS Band, WCDMA	45.741	0	45.7	48.7
Test Case 2				
GMSK Modulation				
1930.2 MHz, PCS Band	38.517	0	38.5	N/A
1930.6 MHz, PCS Band	38.616	0	38.6	N/A
1989.8 MHz, PCS Band	38.731	0	38.7	N/A
1960.0 MHz, PCS Band, WCDMA	42.728	0	42.7	45.7
2155.0 MHz, AWS Band, WCDMA	45.75	0	45.8	48.8
8PSK Modulation				
1930.2 MHz, PCS Band	38.527	0	38.5	N/A
1930.6 MHz, PCS Band	38.606	0	38.6	N/A
1989.8 MHz, PCS Band	38.77	0	38.8	N/A
1960.0 MHz, PCS Band, WCDMA	42.739	0	42.7	45.7
2155.0 MHz, AWS Band, WCDMA	45.772	0	45.8	48.8
Test Case 3				
GMSK Modulation				
1930.4 MHz, PCS Band	44.335	0	44.3	N/A
1989.6 MHz, PCS Band	44.591	0	44.6	N/A
1960.0 MHz, PCS Band, WCDMA	37.968	0	38.0	41.0
2155.0 MHz, AWS Band, WCDMA	45.699	0	45.7	48.7
8PSK Modulation				
1930.4 MHz, PCS Band	44.47	0	44.5	N/A
1989.6 MHz, PCS Band	44.711	0	44.7	N/A
1960.0 MHz, PCS Band, WCDMA	38.194	0	38.2	41.2
2155.0 MHz, AWS Band, WCDMA	45.818	0	45.8	48.8

OUTPUT POWER - MULTICARRIER

	Cond Pwr (dBm)	Duty Cycle Factor (dB)	Single Port dBm/Carrier BW	Two-Port (2x2 MIMO) dBm/carrier BW
Test Case 4				
GMSK Modulation				
1930.2 MHz, PCS Band	38.902	0	38.9	N/A
1989.8 MHz, PCS Band	39.012	0	39.0	N/A
1960.0 MHz, PCS Band, WCDMA	38.541	0	38.5	41.5
2155.0 MHz, AWS Band, WCDMA	45.78	0	45.8	48.8
8PSK Modulation				
1930.2 MHz, PCS Band	38.976	0	39.0	N/A
1989.8 MHz, PCS Band	39.071	0	39.1	N/A
1960.0 MHz, PCS Band, WCDMA	38.633	0	38.6	41.6
2155.0 MHz, AWS Band, WCDMA	45.8	0	45.8	48.8

OUTPUT POWER - MULTICARRIER



3G WCDMA
Test Case 1
1932.4 MHz, PCS Band



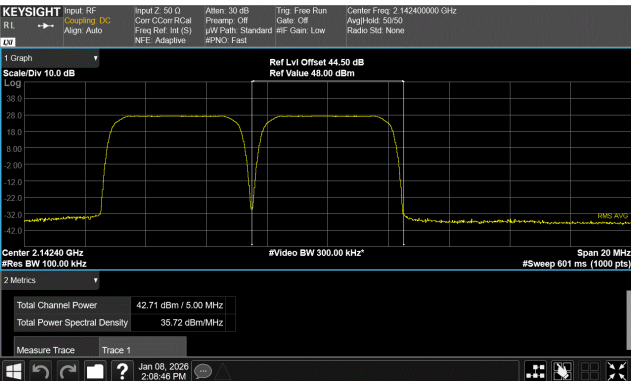
3G WCDMA
Test Case 1
1937.4 MHz, PCS Band



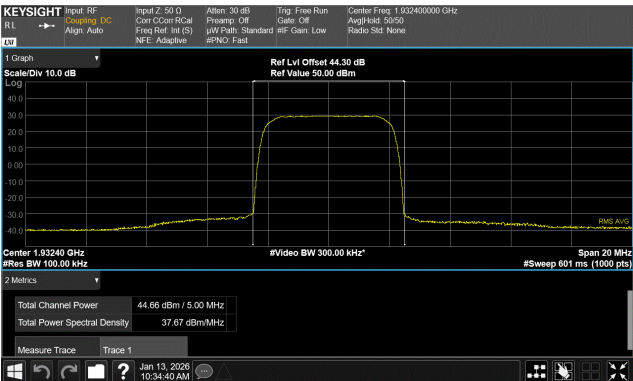
3G WCDMA
Test Case 1
1987.6 MHz, PCS Band



3G WCDMA
Test Case 1
2137.4 MHz, AWS Band



3G WCDMA
Test Case 1
2142.4 MHz, AWS Band



3G WCDMA
Test Case 2
1932.4 MHz, PCS Band