



RF MEASUREMENT REPORT

FCC ID: HD5-EDA10A1
Applicant: Honeywell International Inc
Product: Tablet Computer
Model No.: EDA10A-1
Brand Name: Honeywell
FCC Rule(s): Part 2, 22 (H), 24 (E), 27
Result: Complies
Received Date: 2025-04-09
Test Date: 2025-04-25 ~ 2025-05-26

Reviewed By:

Ada Zhang

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.26-2015. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R25S1020041-U301	V01	Initial Report	2025-05-29	Invalid
R25S1020041-U301	V02	Update the specification information for EN-DC	2025-06-05	Valid

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1. General Information

1.1. Applicant

Honeywell International Inc
9680 Old Bailes Rd. Fort Mill, SC 29707 United States

1.2. Manufacturer

Honeywell International Inc
9680 Old Bailes Rd. Fort Mill, SC 29707 United States

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
	Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China
	Laboratory Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China
	Laboratory Accreditations
	A2LA: 3628.01 FCC: CN1166 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
	CNAS: L10551 ISED: CN0001
☐	Test Site – MRT Shenzhen Laboratory
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
	A2LA: 3628.02 FCC: CN1284
CNAS: L10551 ISED: CN0105	
☐	Test Site – MRT Taiwan Laboratory
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261
ISED: TW3261	

1.4. Product Information

Product Name	Tablet Computer
Model No.	EDA10A-1
Brand Name	Honeywell
IMEI	Conducted: 016393000871559 Conducted: 016393000871484 Radiated: 016393000793548
Bluetooth Specification	Dual mode v5.1
Wi-Fi Specification	802.11a/b/g/n/ac/ax/VHT
NFC Specification	13.56MHz
GNSS Specification	GPS, Beidou, Glonass, Galileo
3GPP Specification	GSM 850/PCS 1900 WCDMA Band: II/IV/V LTE Band: 2/4/5/7/12/13/17/25/26/66/38/41/42/43 NR SA Band: n2/5/7/25/26/38/41/66/77/78 NR NSA Band: EN_DC_2A_n77A/ EN_DC_5A_n77A/ EN_DC_7A_n77A/ EN_DC_41A_n77A/ EN_DC_66A_n77A EN_DC_2A_n78A/ EN_DC_5A_n78A/ EN_DC_7A_n78A/ EN_DC_26A_n78A / EN_DC_38A_n78A / EN_DC_41A_n78A/ EN_DC_66A_n78A
Antenna Specification	Refer to clause 1.6
Operating Temp.	-20 ~ 50°C
Power Type	By Rechargeable Li-ion Battery
Accessory	
Rechargeable Li-ion Battery	Model: BAT-EDA10A Nominal Voltage: 3.85Vdc Rated Capacity: 8000mAh Limited Charging Voltage: 4.4Vdc Rated Energy: 30.80Wh
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Testing

GSM Specification	
TX Frequency Range	GSM/GPRS/EDGE: 850: 824 ~ 849MHz 1900: 1850 ~ 1910MHz
RX Frequency Range	GSM/GPRS/EDGE: 850: 869 ~ 894MHz 1900: 1930 ~ 1990MHz,
Modulation	GMSK, 8-PSK
Support Power Class	GSM850: 4, DCS1900: 1
Category	Multi-slot class 33
UMTS Specification	
TX Frequency Range:	WCDMA Band II: 1850 ~ 1910MHz, WCDMA Band IV: 1710 ~ 1755MHz WCDMA Band V: 824 ~ 849MHz
RX Frequency Range:	WCDMA Band II: 1930 ~ 1990MHz, WCDMA Band IV: 2110 ~ 2155MHz WCDMA Band V: 869 ~ 894MHz
Support Power Class	PC3
Uplink Modulation	QPSK
Category	HSDPA: 10; HSUPA: 6

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
GSM850	824 ~ 849	PIFA Antenna	-1.50
PCS1900	1850 ~ 1910		-1.30
WCDMA Band II	1850 ~ 1910		-1.30
WCDMA Band IV	1710 ~ 1755		-2.80
WCDMA Band V	824 ~ 849		-1.50
Note: All antenna information (Antenna type and Peak Gain) is provided by the manufacturer.			

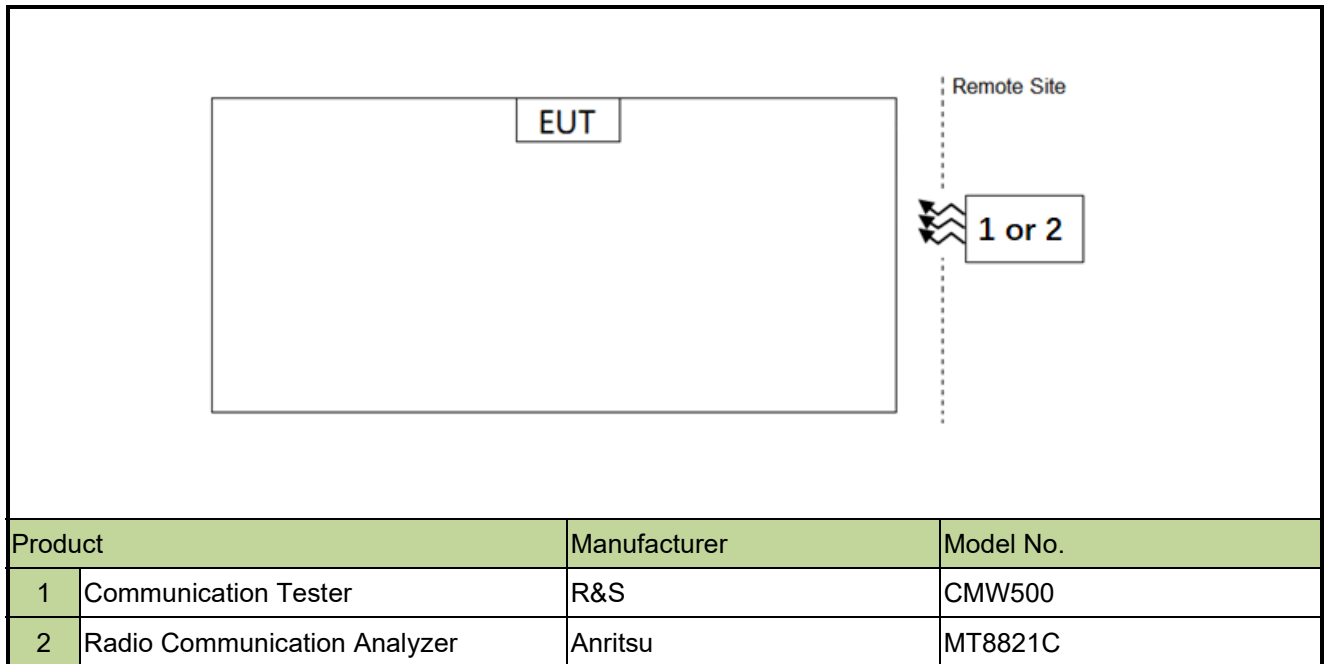
1.7. Test Methodology

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ANSI C63.26:2015
- FCC CFR 47 Part 2, Part 22, Part 24, Part 27
- FCC KDB 971168 D01 v03r01: Power Meas License Digital Systems
- FCC KDB 971168 D02 v02r02: Misc Rev Approv License Devices
- FCC KDB 412172 D01 v01r01: Determining ERP and EIRP

2. Test Configuration

2.1. Test System Connection Diagram



2.2. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20% ~ 75%RH

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Communication Tester	R&S	CMW500	MRTSUE06243	1 year	2025-09-05	SIP-SR1
Communication Tester	R&S	CMW500	MRTSUE06881	1 year	2025-05-08	SIP-SR1
				1 year	2026-04-26	SIP-SR1
Low-Profile Modular Power System Mainframe	Keysight	N6700C	MRTSUE06907	N/A	N/A	SIP-SR1
FR1 Switching Unit	Keysight	C8880A	MRTSUE06908	N/A	N/A	SIP-SR1
Signal Analyzer	Keysight	N9021B	MRTSUE06915	1 year	2025-05-08	SIP-SR1
				1 year	2026-04-26	SIP-SR1
Temperature Chamber	BAOYT	BYG-80CL	MRTSUE06932	1 year	2026-01-21	SIP-SR1
Shielding Room	MIX-BEP	SIP-SR1	MRTSUE06948	N/A	N/A	SIP-SR1
Attenuator	MVE	MVE2213	MRTSUE11056	1 year	2025-06-06	SIP-SR1
Directional Coupler	MVE	MVE4816-10	MRTSUE11120	1 year	2025-08-23	SIP-SR1
Communication Tester	R&S	CMW500	MRTSUE06108	1 year	2026-03-31	WZ-TR3
Radio Communication Analyzer	Anritsu	MT8821C	MRTSUE06960	1 year	2025-06-18	WZ-TR3
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2025-09-02	WZ-TR3
Directional Coupler	MVE	MVE4912-10	MRTSUE07051	1 year	2025-08-22	WZ-TR3
Attenuator	MVE	MVE2213	MRTSUE11093	1 year	2025-06-05	WZ-TR3
Communication Tester	R&S	CMW500	MRTSUE06108	1 year	2026-03-31	WJ-SR11
Signal Analyzer	Keysight	N9020B	MRTSUE06583	1 year	2025-12-23	WJ-SR11
Radio Communication Analyzer	Anritsu	MT8821C	MRTSUE06960	1 year	2025-06-18	WJ-SR11
Shielding Room	TDK	WJ-SR11	MRTSUE07133	N/A	N/A	WJ-SR11
Thermohygrometer	testo	608-H1	MRTSUE11314	1 year	2026-03-26	WJ-SR11
Directional Coupler	MVE	MVE4912-10	MRTSUE07051	1 year	2025-08-22	WJ-SR11
Attenuator	MVE	MVE2213	MRTSUE11093	1 year	2025-06-05	WJ-SR11
Active Loop Antenna	Schwarzbeck	FMZB 1519-60 D	MRTSUE07076	1 year	2025-11-19	WJ-AC2
TRILOG Broad Band Antenna	Schwarzbeck	VULB 9163	MRTSUE07097	1 year	2025-04-24	WJ-AC2
				1 year	2026-04-20	WJ-AC2
Broadband Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE07100	1 year	2025-04-24	WJ-AC2
				1 year	2026-04-10	WJ-AC2
Preamplifier	EMCI	EMC118A45SE	MRTSUE07102	1 year	2026-04-09	WJ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE07103	1 year	2026-04-09	WJ-AC2
Horn Antenna	RFSPIN	DRH18-E	MRTSUE07105	1 year	2025-05-12	WJ-AC2
				1 year	2026-05-12	WJ-AC2

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
EMI Test Receiver	R&S	ESR3	MRTSUE07111	1 year	2026-03-24	WJ-AC2
Anechoic Chamber	TDK	WJ-AC2	MRTSUE07117	1 year	2025-05-14	WJ-AC2
				1 year	2026-05-12	WJ-AC2
EXA Signal Analyzer	Keysight	N9010B	MRTSUE07147	1 year	2025-11-06	WJ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11315	1 year	2025-06-24	WJ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11332	1 year	2025-06-24	WJ-AC2

Software	Version	Function
CMWrun	V 1.9.6	license 2G & 3G & 4G
e3	230711	RE & CE
CONTROLLER CO3000	v 1.03.02	RE Antenna & Turntable

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.

(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Radiated Spurious Emissions	
Measurement Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
Coaxial:	9kHz~30MHz: 2.35dB
Coplanar:	9kHz~30MHz: 2.37dB
Horizontal:	30MHz~200MHz: 3.46dB
	200MHz~1GHz: 3.78dB
	1GHz~40GHz: 4.97dB
Vertical:	30MHz~200MHz: 4.07dB
	200MHz~1GHz: 5.28dB
	1GHz~40GHz: 4.78dB
Conducted Spurious Emissions	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
1.47dB	
Output Power	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
0.66dB	
Occupied Bandwidth	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
69.28kHz	
Frequency Stability	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$):	
8.04Hz	

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
2.1049	Occupied Bandwidth	Conducted	Pass
2.1055, 22.355, 24.235, 27.54	Frequency Stability		Pass
22.913(a)(5), 24.232(c) 27.50(d)(4)	Equivalent Radiated Power		Pass
22.913(d), 24.232(d), 27.50(d)(5)	Peak-to-Average Power Ratio		Pass
2.1051, 22.917(a), 24.238(a) 27.53(c)	Transmitter unwanted emissions (band-edge)		Pass
2.1051, 22.917(a), 24.238(a) 27.53(c)	Transmitter unwanted emissions (spurious)		
2.1053, 22.917(a), 24.238(a) 27.53(c)	Transmitter Spurious Emissions	Radiated	Pass

Notes:

- 1) The analyzer plots shown in this section were captured using a correction table to account for cable and attenuator losses in the system connecting the EUT to the analyzer across relevant frequencies.
- 2) All supported modulation types were evaluated, and the worst-case emission from modulation types was selected. The power of EGPRS/HSDPA/HSUPA is lower than that of GPRS 1Tx Slot/WCDMA. Therefore, the worst-case results for Frequency Stability, Channel Band Edge, Conducted Spurious Emission, and Radiated Spurious Emission were presented in the test report.
- 3) For the radiated emission tests, each axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.

5.2. Occupied Bandwidth Measurement

5.2.1. Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

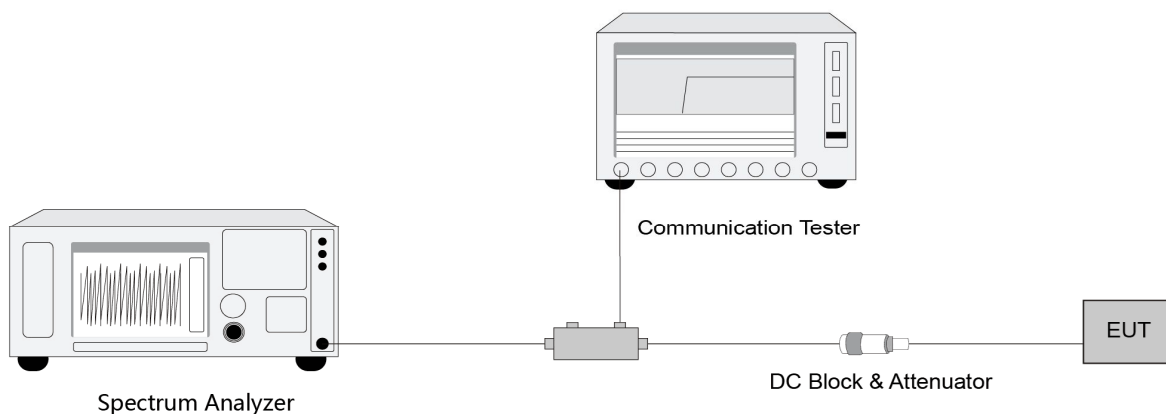
5.2.2. Test Procedure

ANSI C63.26-2015 - Section 5.4.4

5.2.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency
2. RBW = The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

5.2.4. Test Setup



5.2.5. Test Result

Refer to Appendix A.1.

5.3. Frequency Stability Measurement

5.3.1. Test Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

5.3.2. Test Procedure

ANSI C63.26-2015 - Section 5.6

5.3.3. Test Setting

1. A reference point shall be established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as f_L and f_H respectively.
2. Use the frequency error function of the instrument and record the frequency error.
3. Change the temperature of equipment and repeat Steps 2.
4. Change the Voltage of equipment and repeat Steps 2.
5. The frequency error offset determined in the above methods shall be added or subtracted from the values of f_L and f_H and the resulting frequencies must remain within the band

Frequency Stability Under Temperature Variations:

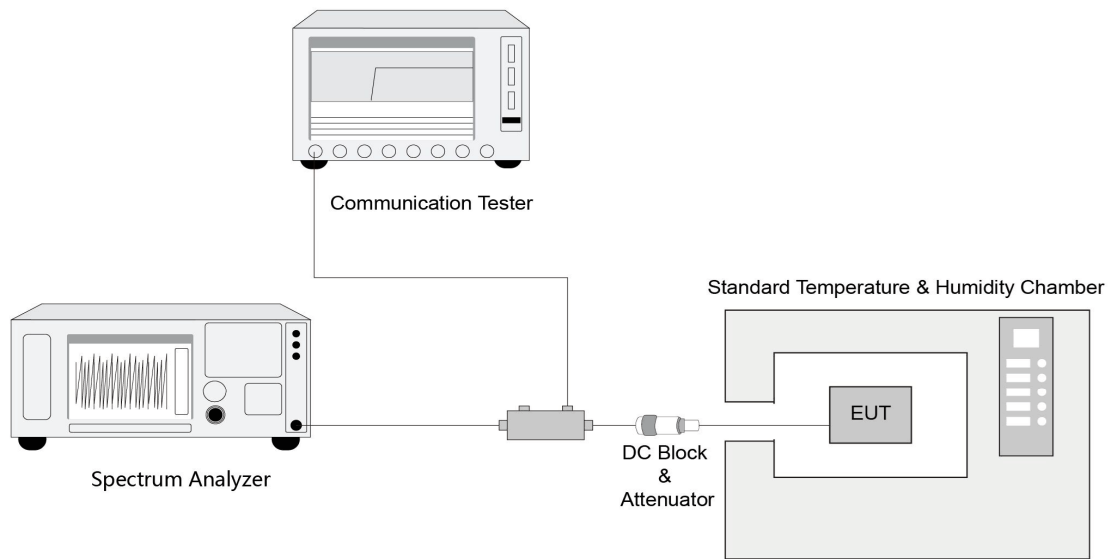
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

5.3.4. Test Setup



5.3.5. Test Result

Refer to Appendix A.2.

5.4. Equivalent Isotropically Radiated Power Measurement

5.4.1. Test Limit

PCS 1900, WCDMA Band II:

Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

WCDMA Band IV:

Fixed, mobile stations operating in the 1710-1755 MHz band and mobile in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

GSM 850, WCDMA Band V:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

5.4.2. Test Procedure

ANSI C63.26-2015 - Section 5.2.4.2

5.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T$$

where

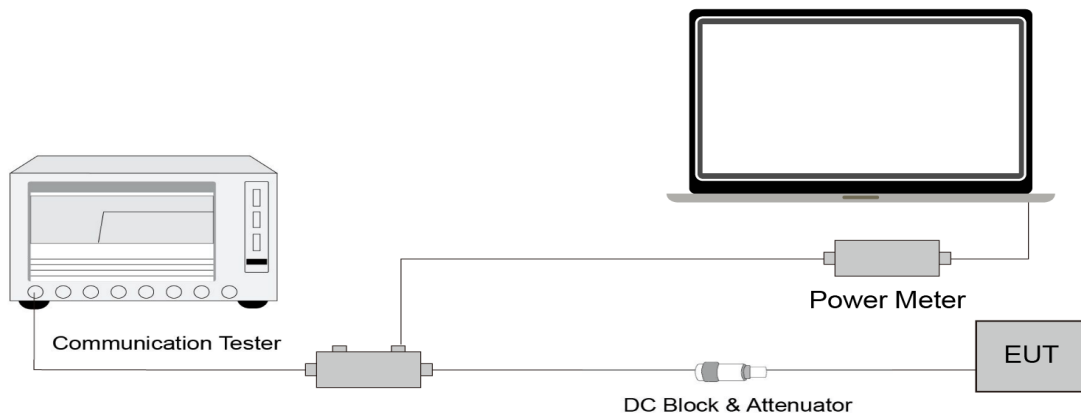
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

$$\text{ERP} = \text{EIRP} - 2.15$$

5.4.4. Test Setup



5.4.5. Test Result

Refer to Appendix A.3.

5.5. Peak-to-Average Power Ratio Measurement

5.5.1. Test Limit

The peak-to-average power ratio (PAPR) of the transmission must not exceed 13 dB.

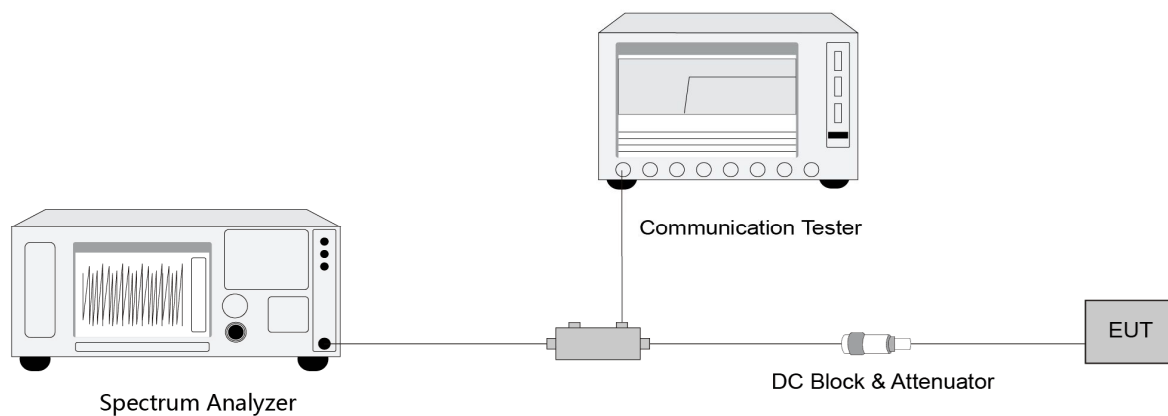
5.5.2. Test Procedure

ANSI C63.26-2015 - Section 5.2.3.4 (CCDF).

5.5.3. Test Setting

1. Set the resolution / measurement bandwidth $\geq$ signal's occupied bandwidth
2. Set the number of counts to a value that stabilizes the measured CCDF curve
3. Record the maximum PAPR level associated with a probability of 0.1%

5.5.4. Test Setup



5.5.5. Test Result

Refer to Appendix A.4

5.6. Conducted Band-Edge Measurement

5.6.1. Test Limit

22.917 (a), 24.238 (a), 27.53 (h)

For operations in the 824 ~ 849 MHz, 1850 ~ 1910 MHz, 1930 ~ 1990 MHz and 1710 ~ 1755 MHz, 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.

5.6.2. Test Procedure

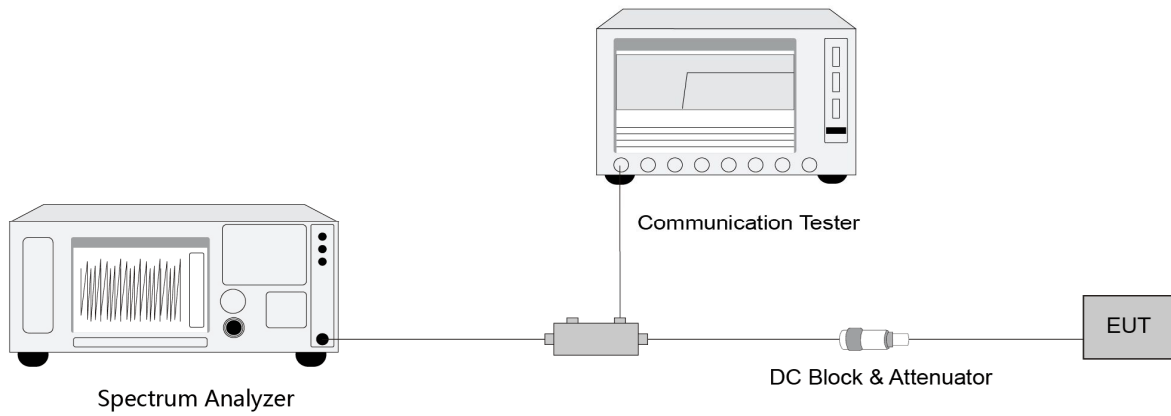
ANSI C63.26-2015 - Section 5.7

5.6.3. Test Setting

1. Set the analyzer frequency to Low or High channel
2. RBW = specified resolution bandwidth, for improvement of the accuracy in the measurement of the average power of a noise-like emission, a RBW narrower than the specified reference bandwidth can be used (generally limited to no less than 1% of the frequency block group, provided that a subsequent integration is performed over the full required measurement bandwidth. This integration should be performed using the spectrum analyzer's band power functions.
3. VBW $\geq 3 \times$ RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. If the EUT can be configured to transmit continuously, then set the trigger to free run
7. If the EUT cannot be configured to transmit continuously, then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Verify that the sweep time is less than or equal to the transmission burst duration.

Time gating can also be used under similar constraints
8. Compute the power by integrating the spectrum across the specified resolution bandwidth using the instrument's band or channel power measurement function, with the band/channel limits set equal to the specified resolution bandwidth, when using a measurement bandwidth smaller than the specified bandwidth. Otherwise, Use the peak marker function to determine the maximum amplitude level.

5.6.4. Test Setup



5.6.5. Test Result

Refer to Appendix A.5.

5.7. Conducted Spurious Emissions Measurement

5.7.1. Test Limit

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

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.

5.7.2. Test Procedure

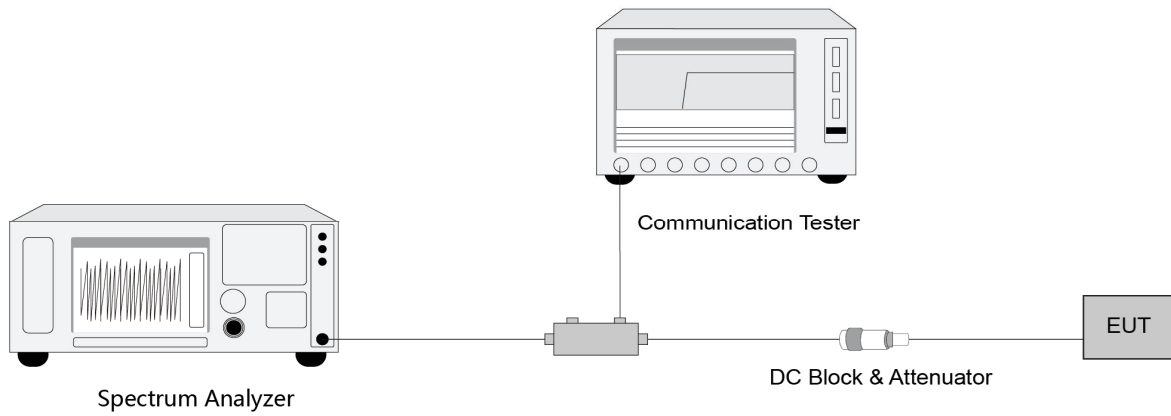
ANSI C63.26-2015 - Section 5.7

5.7.3. Test Setting

1. Set the analyzer frequency to low, Mid or high channel.
2. RBW = specified resolution bandwidth
3. VBW $\geq 3 \times$ RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. If the EUT can be configured to transmit continuously, then set the trigger to free run
7. If the EUT cannot be configured to transmit continuously, then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Verify that the sweep time is less than or equal to the transmission burst duration.

Time gating can also be used under similar constraints
8. Use the peak marker function to determine the maximum amplitude level.

5.7.4. Test Setup



5.7.5. Test Result

Refer to Appendix A.6

5.8. Radiated Spurious Emissions Measurement

5.8.1. Test Limit

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. The emission limit equal to -13dBm.

$E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20 \log D + 104.8$; where D is the measurement distance in meters. The emission limit equal to 82.3dB μ V/m.

5.8.2. Test Procedure

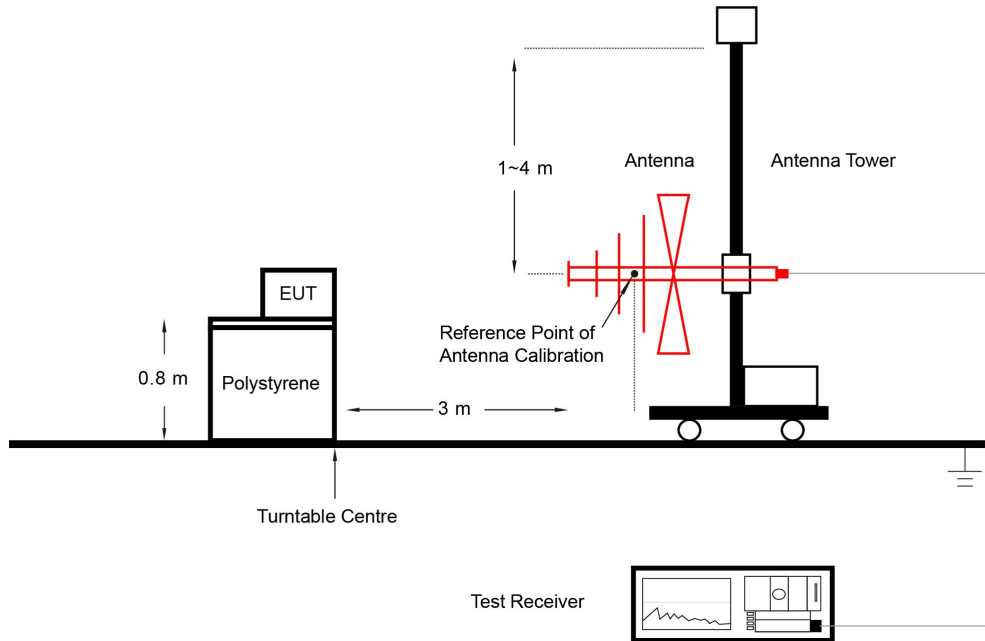
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.8.3. Test Setting

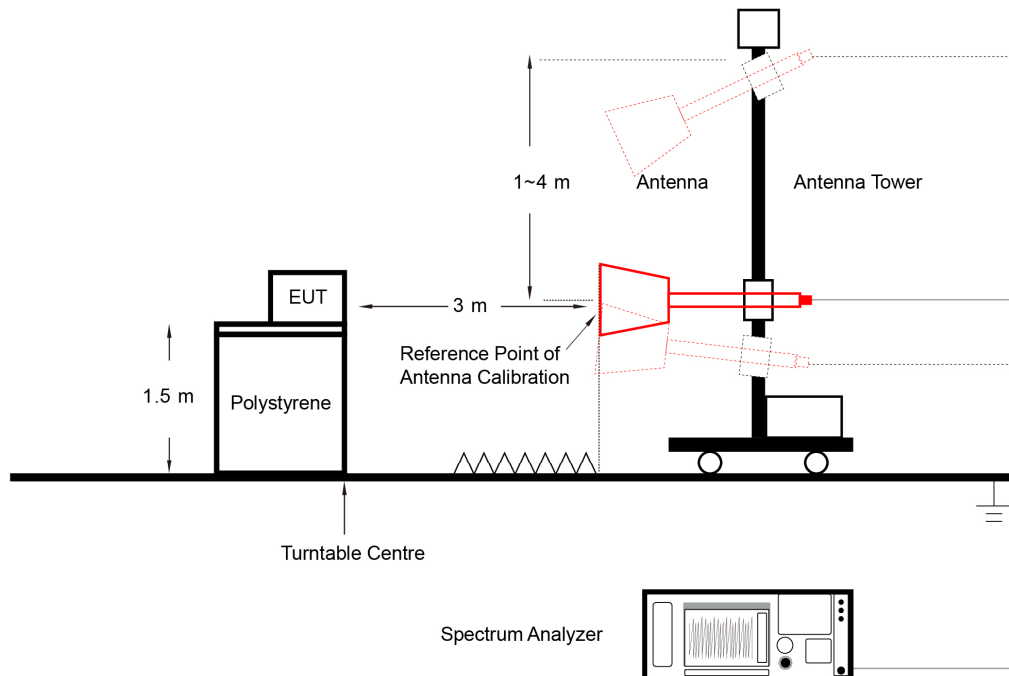
1. RBW = 120kHz or 1MHz
2. VBW $\geq 3 \times$ RBW
3. Sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})$
4. Detector = CISPR quasi-peak/average detector (Below 1 GHz, compliance with the limits shall be demonstrated using a CISPR quasi-peak detector and the related measurement bandwidth. Above 1 GHz, compliance with the limits shall be demonstrated using a linear average detector with a minimum resolution bandwidth of 1 MHz.)
5. The trace was allowed to stabilize

5.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.8.5. Test Result

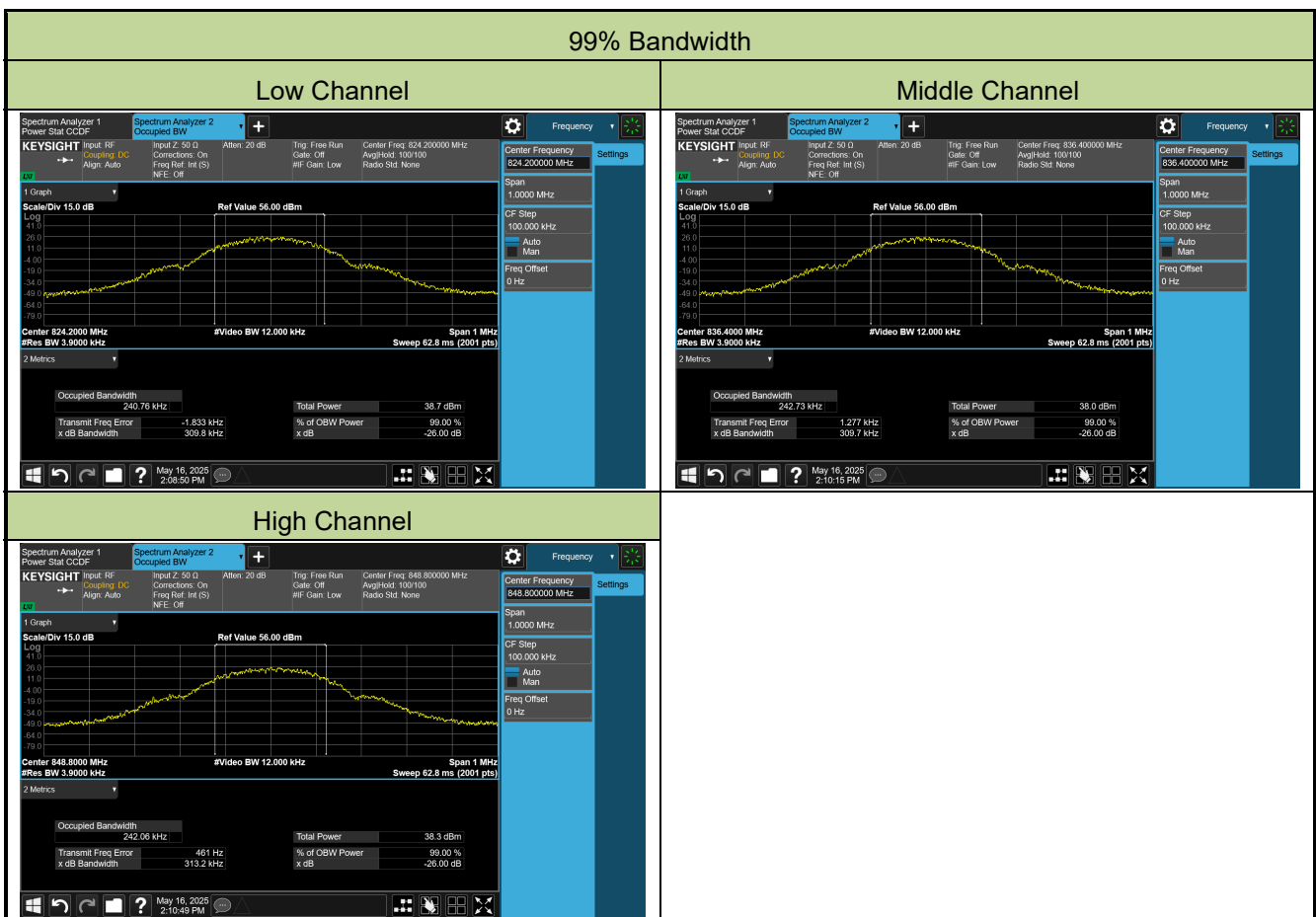
Refer to Appendix A.7.

Appendix A - Test Result

A.1 Occupied Bandwidth Test Result

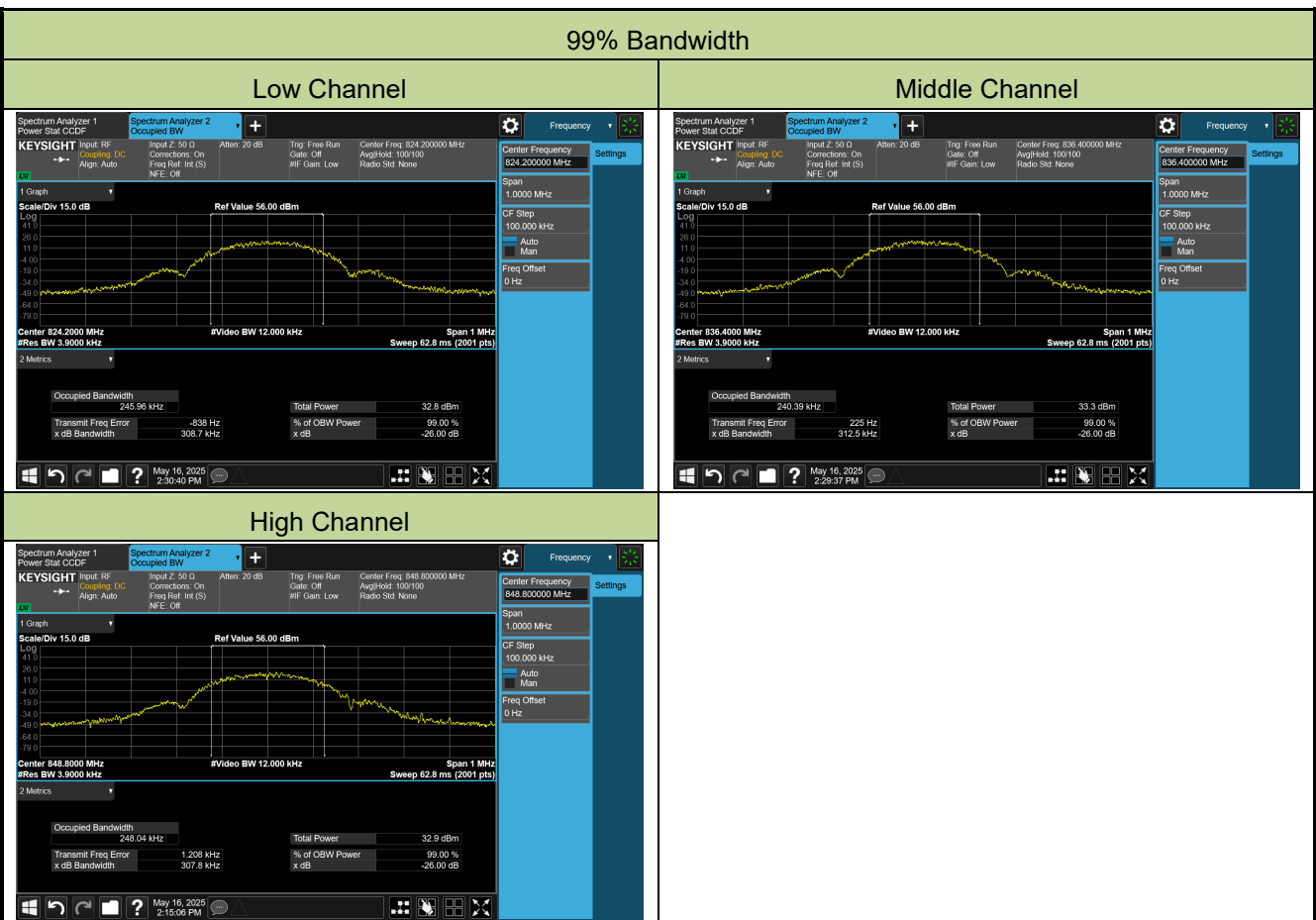
Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-16	Test Band	PCS 850_GPRS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	824.2	0.24076
Middle	836.4	0.24273
High	848.8	0.24206



Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-16	Test Band	GSM 850_EGPRS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	824.2	0.24596
Middle	836.4	0.24039
High	848.4	0.24804



Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-16	Test Band	PCS 1900_GPRS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	1850.2	0.24272
Middle	1880.0	0.24079
High	1909.8	0.24424



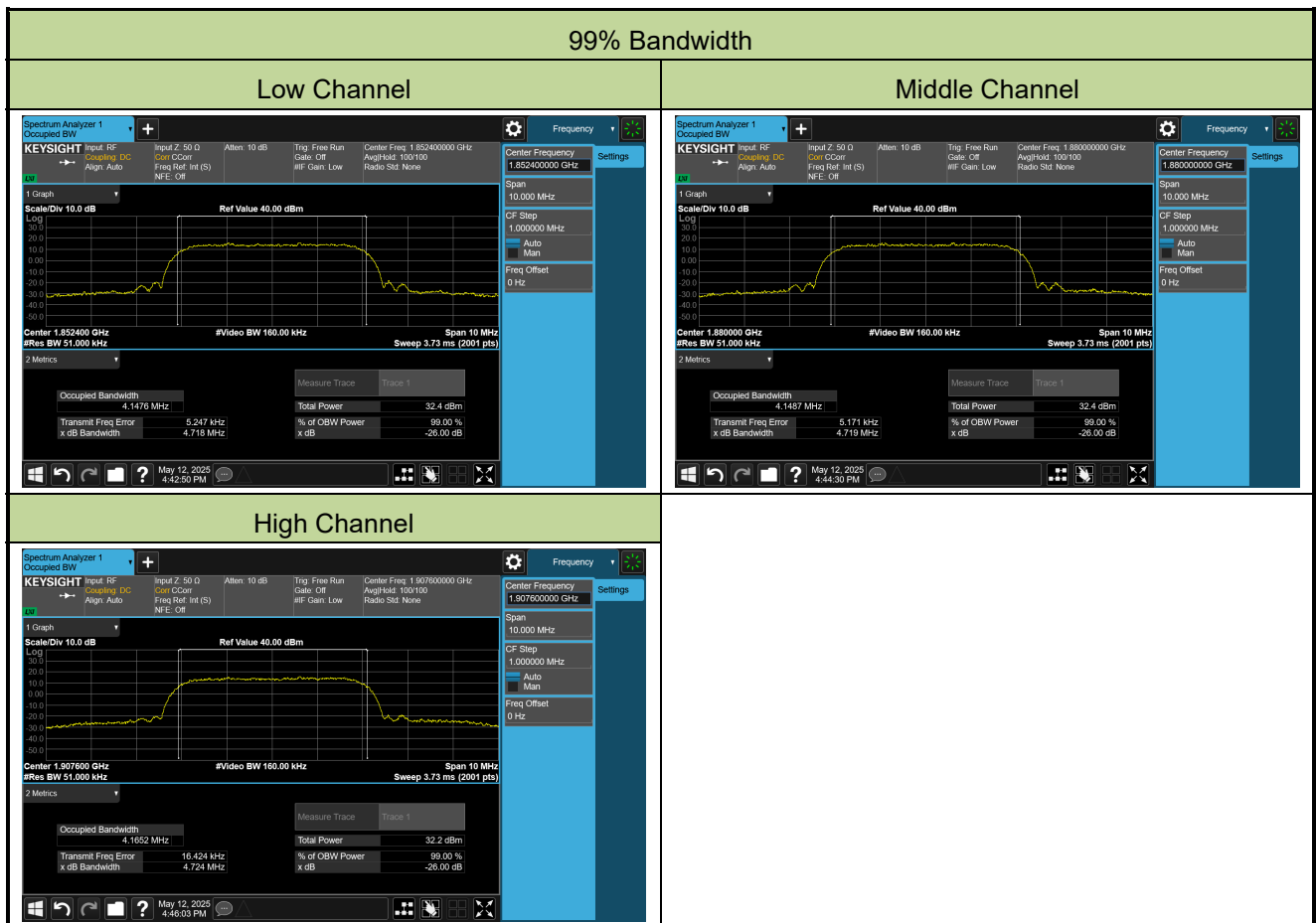
Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-16	Test Band	PCS 1900_EGPRS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	1850.2	0.24802
Middle	1880.0	0.24380
High	1909.8	0.24472



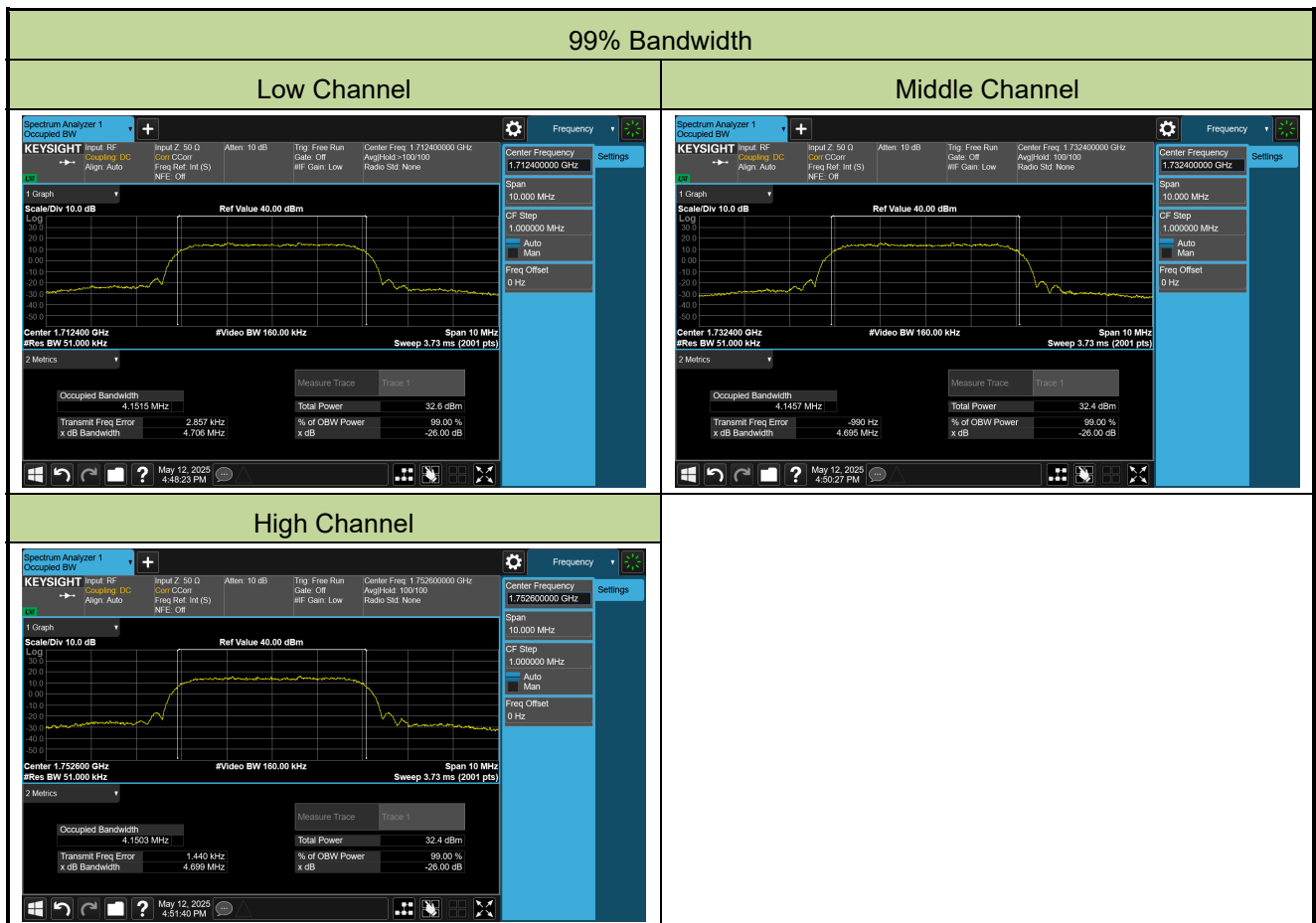
Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-12	Test Band	WCDMA Band II

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	1852.4	4.1476
Middle	1880.0	4.1487
High	1907.6	4.1652



Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-12	Test Band	WCDMA Band IV

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	1712.4	4.1515
Middle	1732.4	4.1457
High	1752.6	4.1503



Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-12	Test Band	WCDMA Band V

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	826.4	4.1516
Middle	836.4	4.1287
High	846.6	4.1280



A.2 Frequency Stability Test Result

Test Site	WZ-TR3	Test Engineer	Jone Zhang
Test Date	2025-04-25	Test Band	GSM 850_GPRS

Voltage	Temp (°C)	Frequency Range (MHz)		Delta (Hz)	Frequency stability (ppm)	Within Authorized Frequency Block
		824	849			
		f _L	f _H			
Normal	+ 20 (Ref)	824.054	848.950	0.00	0.0000	Pass
	+ 50	824.054	848.950	1.00	0.0012	Pass
	+ 40	824.054	848.950	-4.88	-0.0058	Pass
	+ 30	824.054	848.950	-1.62	-0.0019	Pass
	+ 10	824.054	848.950	2.23	0.0027	Pass
	0	824.054	848.950	-6.36	-0.0076	Pass
	- 10	824.054	848.950	0.71	0.0008	Pass
	- 20	824.054	848.950	7.97	0.0095	Pass
	- 30	824.054	848.950	13.88	0.0166	Pass
4.4Vdc	+ 20	824.054	848.950	-8.78	-0.0105	Pass
3.45Vdc	+ 20	824.054	848.950	-7.40	-0.0088	Pass

Note: The operating voltage is provided by the manufacturer.

Test Site	WZ-TR3	Test Engineer	Jone Zhang
Test Date	2025-04-25	Test Band	PCS 1900_GPRS

Voltage	Temp (°C)	Frequency Range (MHz)		Delta (Hz)	Frequency stability (ppm)	Within Authorized Frequency Block
		1850	1910			
		f _L	f _H			
Normal	+ 20 (Ref)	1850.048	1909.942	0.00	0.0000	Pass
	+ 50	1850.048	1909.942	3.62	0.0019	Pass
	+ 40	1850.048	1909.942	0.24	0.0001	Pass
	+ 30	1850.048	1909.942	-0.32	-0.0002	Pass
	+ 10	1850.048	1909.942	4.42	0.0024	Pass
	0	1850.048	1909.942	-1.55	-0.0008	Pass
	- 10	1850.048	1909.942	3.55	0.0019	Pass
	- 20	1850.048	1909.942	7.41	0.0039	Pass
	- 30	1850.048	1909.942	11.79	0.0063	Pass
4.4Vdc	+ 20	1850.048	1909.942	-3.52	-0.0019	Pass
3.45Vdc	+ 20	1850.048	1909.942	0.84	0.0004	Pass

Note: The operating voltage is provided by the manufacturer.

Test Site	WZ-TR3	Test Engineer	Jone Zhang
Test Date	2025-04-25	Test Band	WCDMA Band II

Voltage	Temp (°C)	Frequency Range (MHz)		Delta (Hz)	Frequency stability (ppm)	Within Authorized Frequency Block
		1850	1910			
		f _L	f _H			
Normal	+ 20 (Ref)	1850.105	1909.915	0.00	0.0000	Pass
	+ 50	1850.105	1909.915	11.33	0.0060	Pass
	+ 40	1850.105	1909.915	10.61	0.0056	Pass
	+ 30	1850.105	1909.915	6.32	0.0034	Pass
	+ 10	1850.105	1909.915	-5.04	-0.0027	Pass
	0	1850.105	1909.915	-1.48	-0.0008	Pass
	- 10	1850.105	1909.915	-3.20	-0.0017	Pass
	- 20	1850.105	1909.915	-1.70	-0.0009	Pass
	- 30	1850.105	1909.915	-2.26	-0.0012	Pass
4.4Vdc	+ 20	1850.105	1909.915	5.40	0.0029	Pass
3.45Vdc	+ 20	1850.105	1909.915	-2.84	-0.0015	Pass

Note: The operating voltage is provided by the manufacturer.

Test Site	WZ-TR3	Test Engineer	Jone Zhang
Test Date	2025-04-25	Test Band	WCDMA Band IV

Voltage	Temp (°C)	Frequency Range (MHz)		Delta (Hz)	Frequency stability (ppm)	Within Authorized Frequency Block
		1710	1755			
		f _L	f _H			
Normal	+ 20 (Ref)	1710.105	1754.900	0.00	0.0000	Pass
	+ 50	1710.105	1754.900	14.78	0.0085	Pass
	+ 40	1710.105	1754.900	13.26	0.0077	Pass
	+ 30	1710.105	1754.900	5.48	0.0032	Pass
	+ 10	1710.105	1754.900	-24.65	-0.0142	Pass
	0	1710.105	1754.900	-25.55	-0.0147	Pass
	- 10	1710.105	1754.900	-34.96	-0.0202	Pass
	- 20	1710.105	1754.900	-34.88	-0.0201	Pass
	- 30	1710.105	1754.900	-36.07	-0.0208	Pass
4.4Vdc	+ 20	1710.105	1754.900	-2.55	-0.0015	Pass
3.45Vdc	+ 20	1710.105	1754.900	13.64	0.0079	Pass

Note: The operating voltage is provided by the manufacturer.

Test Site	WZ-TR3	Test Engineer	Jone Zhang
Test Date	2025-04-25	Test Band	WCDMA Band V

Voltage	Temp (°C)	Frequency Range (MHz)		Delta (Hz)	Frequency stability (ppm)	Within Authorized Frequency Block
		824	849			
		f _L	f _H			
Normal	+ 20 (Ref)	824.110	848.895	0.00	0.0000	Pass
	+ 50	824.110	848.895	1.78	0.0021	Pass
	+ 40	824.110	848.895	2.32	0.0028	Pass
	+ 30	824.110	848.895	0.71	0.0008	Pass
	+ 10	824.110	848.895	-5.12	-0.0061	Pass
	0	824.110	848.895	-4.34	-0.0052	Pass
	- 10	824.110	848.895	-5.19	-0.0062	Pass
	- 20	824.110	848.895	-4.82	-0.0058	Pass
	- 30	824.110	848.895	-5.25	-0.0063	Pass
4.4Vdc	+ 20	824.110	848.895	-2.60	-0.0031	Pass
3.45Vdc	+ 20	824.110	848.895	2.61	0.0031	Pass

Note: The operating voltage is provided by the manufacturer.

A.3 Equivalent Isotropically Radited Power Test Result

Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-21	Test Band	GSM 850

Mode	Slot	Conducted Power (dBm)			Antenna Gain (dBi)	ERP (dBm)		
		Channel				Channel		
		Low	Middle	High		Low	Middle	High
GSM	/	32.53	33.07	32.95	-1.50	28.88	29.42	29.30
GPRS	1	33.26	32.45	32.94	-1.50	29.61	28.80	29.29
	2	30.89	31.37	31.61	-1.50	27.24	27.72	27.96
	3	28.95	28.34	29.72	-1.50	25.30	24.69	26.07
	4	27.38	27.47	28.01	-1.50	23.73	23.82	24.36
EGPRS (GMSK)	1	33.44	32.96	32.71	-1.50	29.79	29.31	29.06
	2	31.02	31.89	31.37	-1.50	27.37	28.24	27.72
	3	29.17	28.82	29.31	-1.50	25.52	25.17	25.66
	4	27.45	27.76	27.66	-1.50	23.80	24.11	24.01
EGPRS (8PSK)	1	27.79	27.85	28.88	-1.50	24.14	24.20	25.23
	2	27.48	27.18	27.12	-1.50	23.83	23.53	23.47
	3	26.81	26.97	27.02	-1.50	23.16	23.32	23.37
	4	26.29	26.31	26.32	-1.50	22.64	22.66	22.67
Limit	38.45dBm							
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15								

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-21	Test Band	PCS 1900

Mode	Slot	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Channel				Channel		
		Low	Middle	High		Low	Middle	High
GSM	/	30.03	29.75	29.84	-1.30	28.73	28.45	28.54
GPRS	1	30.02	29.68	29.85	-1.30	28.72	28.38	28.55
	2	28.88	28.67	28.79	-1.30	27.58	27.37	27.49
	3	26.86	26.76	26.87	-1.30	25.56	25.46	25.57
	4	24.83	24.72	24.67	-1.30	23.53	23.42	23.37
EGPRS (GMSK)	1	30.12	29.79	29.93	-1.30	28.82	28.49	28.63
	2	28.87	28.69	28.89	-1.30	27.57	27.39	27.59
	3	27.09	26.81	26.71	-1.30	25.79	25.51	25.41
	4	24.88	24.74	24.71	-1.30	23.58	23.44	23.41
EGPRS (8PSK)	1	26.05	25.98	25.94	-1.30	24.75	24.68	24.64
	2	25.92	25.93	25.88	-1.30	24.62	24.63	24.58
	3	25.69	25.81	25.79	-1.30	24.39	24.51	24.49
	4	24.76	24.73	24.41	-1.30	23.46	23.43	23.11
Limit	33.01dBm							
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)								

Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-21	Test Band	WCDMA Band II

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Channel				Channel		
		Low	Middle	High		Low	Middle	High
WCDMA R99	1	24.41	24.39	24.30	-1.30	23.11	23.09	23.00
HSDPA	1	23.42	23.40	23.28	-1.30	22.12	22.10	21.98
	2	23.44	23.41	23.31	-1.30	22.14	22.11	22.01
	3	22.91	22.89	22.80	-1.30	21.61	21.59	21.50
	4	22.94	22.91	22.78	-1.30	21.64	21.61	21.48
HSUPA	1	23.45	23.42	23.25	-1.30	22.15	22.12	21.95
	2	21.38	21.35	21.34	-1.30	20.08	20.05	20.04
	3	22.49	22.37	22.28	-1.30	21.19	21.07	20.98
	4	21.48	21.47	21.23	-1.30	20.18	20.17	19.93
	5	23.41	23.36	23.26	-1.30	22.11	22.06	21.96
Limit	33.01dBm							
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)								

Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-21	Test Band	WCDMA Band IV

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Channel				Channel		
		Low	Middle	High		Low	Middle	High
WCDMA R99	1	24.43	24.47	24.40	-2.80	21.63	21.67	21.60
HSDPA	1	23.46	23.47	23.42	-2.80	20.66	20.67	20.62
	2	23.49	23.46	23.44	-2.80	20.69	20.66	20.64
	3	22.99	22.98	22.92	-2.80	20.19	20.18	20.12
	4	23.02	22.99	22.94	-2.80	20.22	20.19	20.14
HSUPA	1	23.50	23.49	23.31	-2.80	20.70	20.69	20.51
	2	21.45	21.47	21.44	-2.80	18.65	18.67	18.64
	3	22.37	22.45	22.36	-2.80	19.57	19.65	19.56
	4	21.47	21.42	21.37	-2.80	18.67	18.62	18.57
	5	23.49	23.45	23.36	-2.80	20.69	20.65	20.56
Limit	30.00dBm							
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)								

Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-21	Test Band	WCDMA Band V

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	ERP (dBm)		
		Channel				Channel		
		Low	Middle	High		Low	Middle	High
WCDMA R99	1	23.78	23.77	23.74	-1.50	20.13	20.12	20.09
HSDPA	1	22.82	22.82	22.77	-1.50	19.17	19.17	19.12
	2	22.80	22.82	22.78	-1.50	19.15	19.17	19.13
	3	22.31	22.31	22.27	-1.50	18.66	18.66	18.62
	4	22.31	22.33	22.26	-1.50	18.66	18.68	18.61
HSUPA	1	22.81	22.82	22.75	-1.50	19.16	19.17	19.10
	2	20.80	20.82	20.72	-1.50	17.15	17.17	17.07
	3	21.80	21.79	21.73	-1.50	18.15	18.14	18.08
	4	20.71	20.75	20.79	-1.50	17.06	17.10	17.14
	5	22.78	22.85	22.77	-1.50	19.13	19.20	19.12
Limit	38.45dBm							
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) – 2.15								

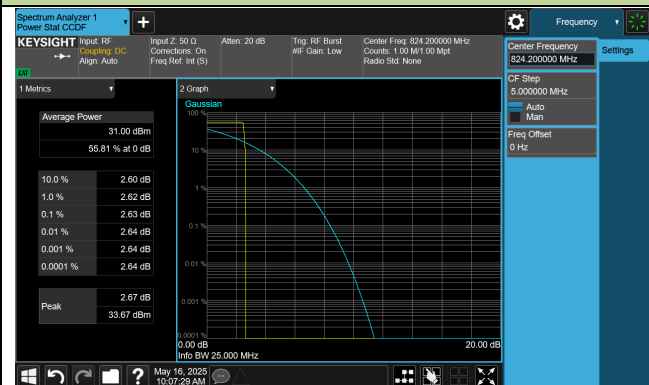
A.4 Peak-to-Average Power Ratio Test Result

Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-16	Test Band	GSM 850, PCS 1900

Channel No.	Frequency (MHz)	Channel Bandwidth (kHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
GSM 850_GPRS					
128	824.2	200	2.63	≤ 13.00	Pass
189	836.4	200	2.66	≤ 13.00	Pass
251	848.8	200	2.68	≤ 13.00	Pass
GSM 850_EGPRS					
128	824.2	200	5.75	≤ 13.00	Pass
189	836.4	200	5.72	≤ 13.00	Pass
251	848.8	200	5.69	≤ 13.00	Pass
PCS 1900_GPRS					
512	1850.2	200	2.61	≤ 13.00	Pass
661	1880.0	200	2.61	≤ 13.00	Pass
810	1909.8	200	2.62	≤ 13.00	Pass
PCS 1900_EGPRS					
512	1850.2	200	5.64	≤ 13.00	Pass
661	1880.0	200	5.67	≤ 13.00	Pass
810	1909.8	200	5.65	≤ 13.00	Pass

GSM 850_GPRS

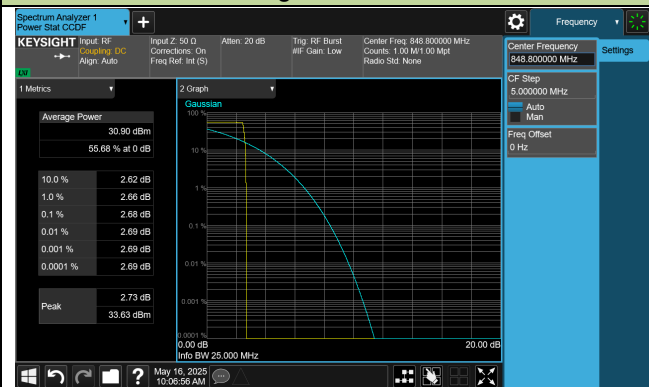
Low Channel



Middle Channel

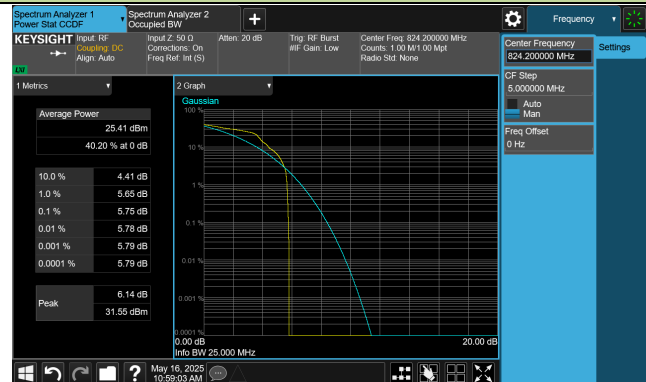


High Channel

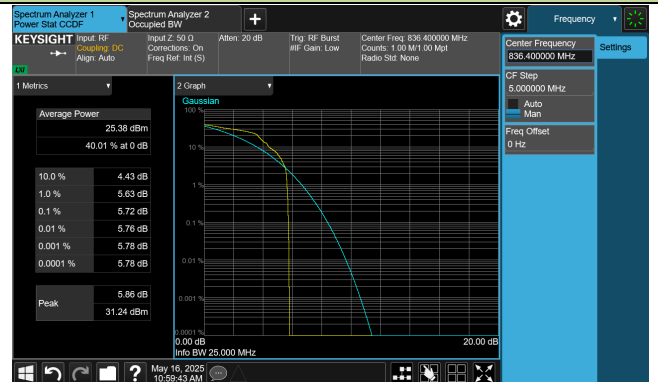


GSM 850_EGPRS

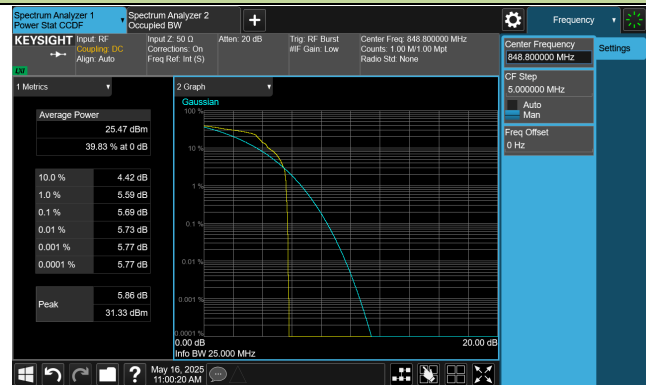
Low Channel

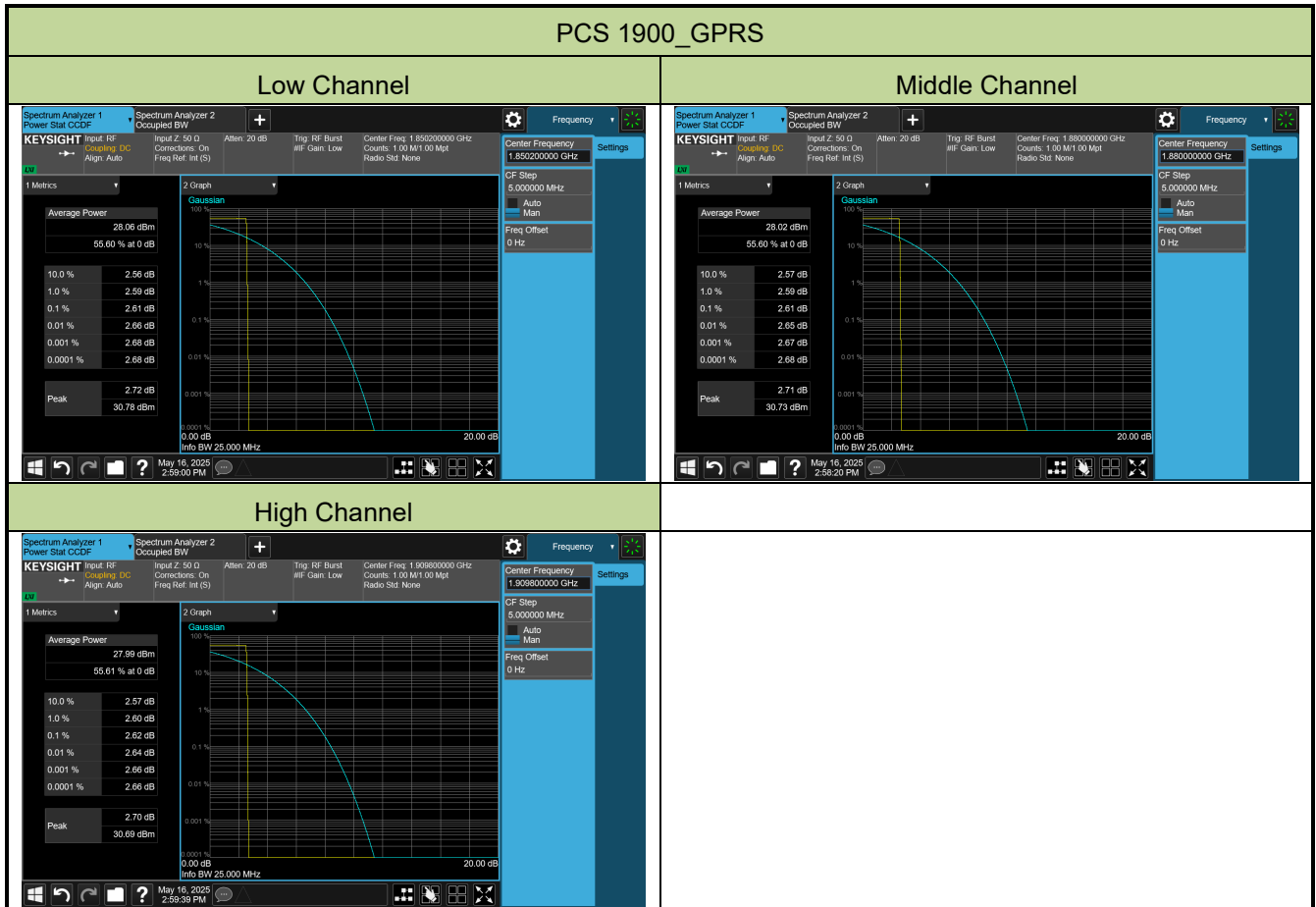


Middle Channel



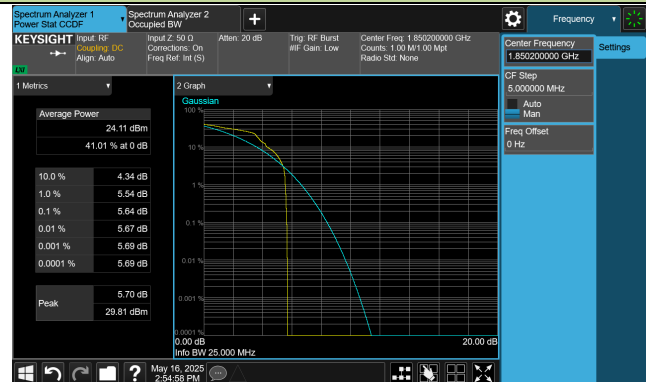
High Channel



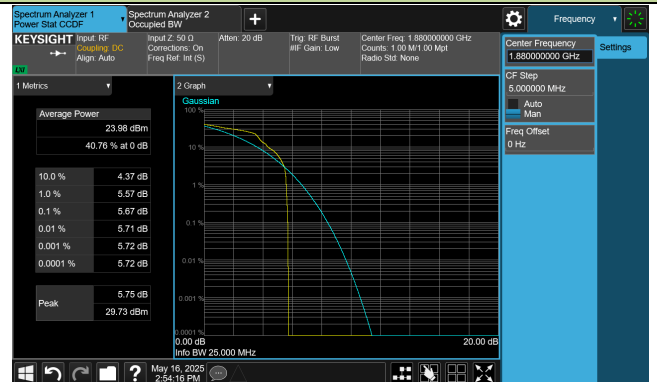


PCS 1900_EGPRS

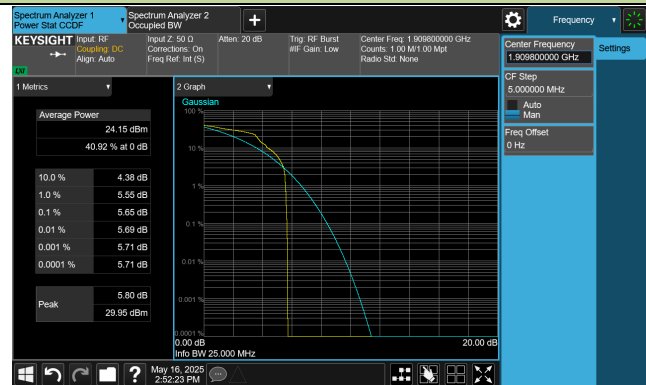
Low Channel



Middle Channel



High Channel



Test Site	SIP-SR1	Test Engineer	Yoniter Yang
Test Date	2025-05-12	Test Band	WCDMA Band II, IV, V

Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
1852.4	5	2.74	≤ 13.00	Pass
1880.0	5	2.66	≤ 13.00	Pass
1907.6	5	2.60	≤ 13.00	Pass
1712.4	5	2.98	≤ 13.00	Pass
1732.4	5	2.88	≤ 13.00	Pass
1752.6	5	3.07	≤ 13.00	Pass
826.4	5	2.67	≤ 13.00	Pass
836.4	5	3.04	≤ 13.00	Pass
846.6	5	3.04	≤ 13.00	Pass