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:	2025-04-18 ~ 2025-05-27

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.

Revision History

Report No.	Version	Description	Issue Date	Note
R25S1020041-U302	V01	Initial Report	2025-05-29	Invalid
R25S1020041-U302	V02	Update the specification information for EN-DC	2025-06-05	Valid

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Description Page

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		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐R-20025	☐G-20034	☐C-20020	☐T-20020
		☐R-20141	☐G-20134	☐C-20103	☐T-20104
☐	**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		CNAS: L10551		
	FCC: CN1284		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

E-UTRA Specification	
FDD TX Frequency Range	LTE Band 2: 1850 ~ 1910MHz, LTE Band 4: 1710 ~ 1755MHz LTE Band 5: 824 ~ 849MHz, LTE Band 7: 2500 ~ 2570MHz LTE Band 12: 699 ~ 716MHz, LTE Band 13: 777 ~ 787MHz, LTE Band 17: 704 ~ 716MHz, LTE Band 25: 1850 ~ 1915MHz LTE Band 26: 824 ~ 849MHz, LTE Band 66: 1710 ~ 1780MHz
FDD RX Frequency Range	LTE Band 2: 1930 ~ 1990MHz, LTE Band 4: 2110 ~ 2155MHz LTE Band 5: 869 ~ 894MHz, LTE Band 7: 2620 ~ 2690MHz LTE Band 12: 729 ~ 746MHz, LTE Band 13: 746 ~ 756MHz LTE Band 17: 734 ~ 746MHz, LTE Band 25: 1930 ~ 1995MHz LTE Band 26: 869 ~ 894MHz, LTE Band 66: 2110 ~ 2180MHz
TDD TX & RX Frequency Range	LTE Band 38: 2570 ~ 2620MHz, LTE Band 41: 2496 ~ 2690MHz LTE Band 42: 3450 ~ 3550MHz, LTE Band 43: 3700 ~ 3800MHz
Support Bandwidth	Band 2, 4, 25, 66: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz Band 5, 12: 1.4MHz, 3MHz, 5MHz, 10MHz Band 7, 38, 41, 42, 43: 5MHz, 10MHz, 15MHz, 20MHz Band 13, 17: 5MHz, 10MHz Band 26: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
Support Power Class	PC3
Uplink Modulation	UL up to 64QAM

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
LTE Band 2	1850 ~ 1910	PIFA Antenna	-1.30
LTE Band 4	1710 ~ 1755		-2.80
LTE Band 5	824 ~ 849		-1.50
LTE Band 7	2500 ~ 2570		4.80
LTE Band 12	699 ~ 716		-1.00
LTE Band 13	777 ~ 787		1.00
LTE Band 17	704 ~ 716		-1.00
LTE Band 25	1850 ~ 1915		-1.30
LTE Band 26	824 ~ 849		-1.50
LTE Band 66	1710 ~ 1780		-2.70
LTE Band 38	2570 ~ 2620		3.20
LTE Band 41	2496 ~ 2690		4.80
LTE Band 42	3450 ~ 3550		4.30
LTE Band 43	3700 ~ 3800		6.10
Note: All antenna information (Antenna type and Peak Gain) is provided by the manufacturer.			

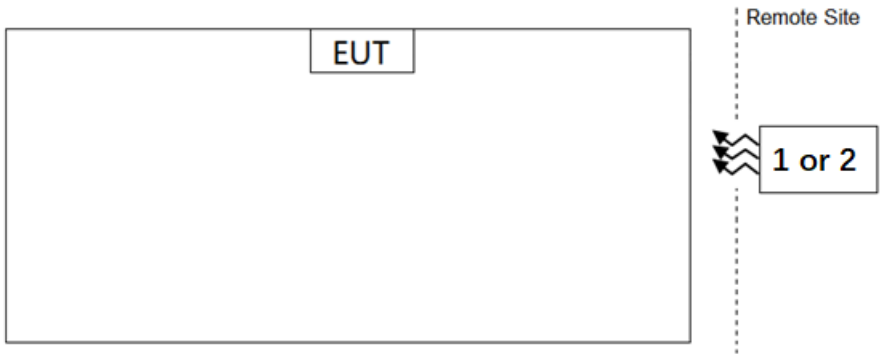
1.7. Test Methodology

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



Product		Manufacturer	Model No.
1	Communication Tester	R&S	CMW500
2	Radio Communication Analyzer	Anritsu	MT8821C

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
EMI Test Receiver	R&S	ESR3	MRTSUE07111	1 year	2026-03-24	WJ-AC2

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
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
UCTS	V 6.24.0705.0	license 3G & 4G & 5G
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=2Uc(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=2Uc(y)): 1.47dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 0.66dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 69.28kHz
Frequency Stability
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(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(b)(9) (c)(9) (d)(4) (h)(2) (j)(3)(k)(3)	Equivalent Radiated Power		Pass
22.913(d), 24.232(d) 27.50(d)(5) (j)(4)(k)(4)	Peak-to-Average Power Ratio		Pass
2.1051, 22.917(a), 24.238(a) 27.53(c) (f) (g) (h) (l)(2) (m)(4) (n)(2)	Transmitter unwanted emissions (band-edge)		Pass
2.1051, 22.917(a), 24.238(a) 27.53(c) (f) (g) (h) (l)(2) (m)(4) (n)(2)	Transmitter unwanted emissions (spurious)		
2.1053, 22.917(a), 24.238(a) 27.53(c) (f) (g) (h) (l)(2) (m)(4) (n)(2)	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. Therefore, the worst-case results for Frequency Stability, Channel Band Edge, Conducted Spurious Emission, 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.
4) LTE Band 25 (1850 ~ 1915 MHz) overlaps the entire frequency range of LTE Band 2 (1850 ~ 1910 MHz). Therefore, the test data provided in this report covers Band 2 as well as Band 25.
5) LTE Band 66 (1710 ~ 1780 MHz) overlaps the entire frequency range of LTE Band 4 (1710 ~ 1755 MHz). Therefore, the test data provided in this report covers Band 4 as well as Band 66.
6) LTE Band 26 (824 ~ 849 MHz) overlaps the entire frequency range of LTE Band 5 (824 ~ 849 MHz). Therefore, the test data provided in this report covers Band 5 as well as Band 26.
7) LTE Band 12 (699 ~ 716 MHz) overlaps the entire frequency range of LTE Band 17 (704 ~ 716 MHz). Therefore, the test data provided in this report covers Band 17 as well as Band 12.
8) LTE Band 41 (2496 ~ 2690 MHz) overlaps the entire frequency range of LTE Band 38 (2570 ~ 2620 MHz). Therefore, the test data provided in this report covers Band 38 as well as Band 41.

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.

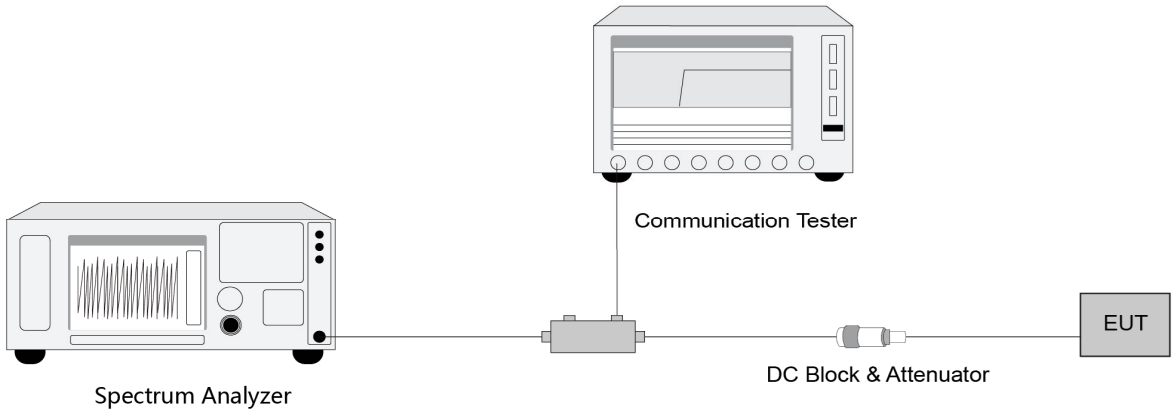
5.2.2. Test Procedure

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 ≥ 3 × 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. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

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:

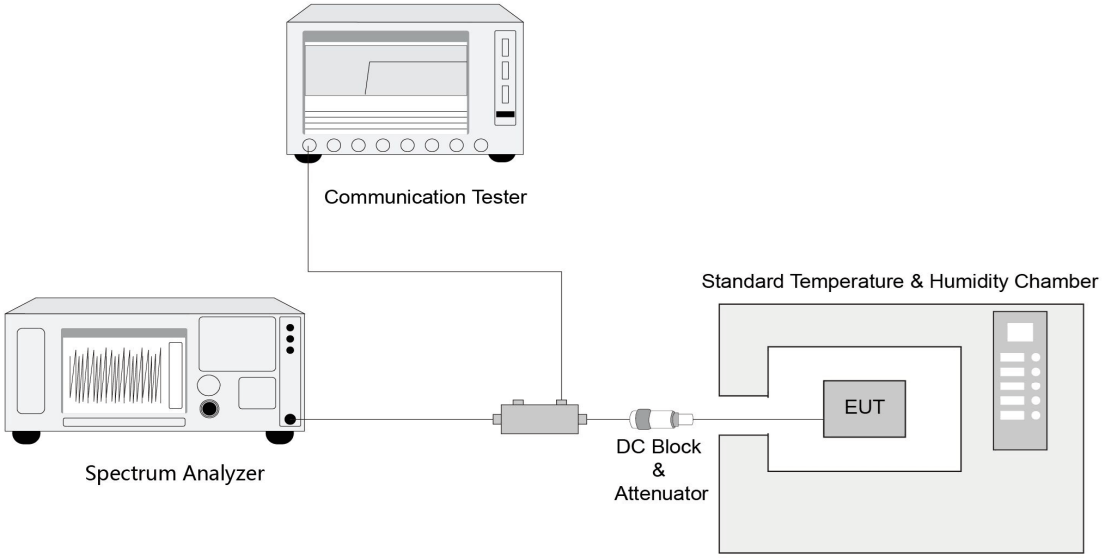
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 (±15%) and endpoint, recordthe 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

Band 2/25:

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.

Band 4/66:

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.

Band 5/26:

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

Band 12, 13, 17:

Control stations and mobile stations transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 30 watts ERP.

Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

Band 7/38/41:

Mobile stations are limited to 2.0 watts EIRP.

Band 42:

Mobile and portable stations are limited to 1 Watt EIRP.

Band 43:

Mobile devices are limited to 1 Watt (30 dBm) EIRP.

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:

ERP or EIRP = P_{Meas} + G_T

where

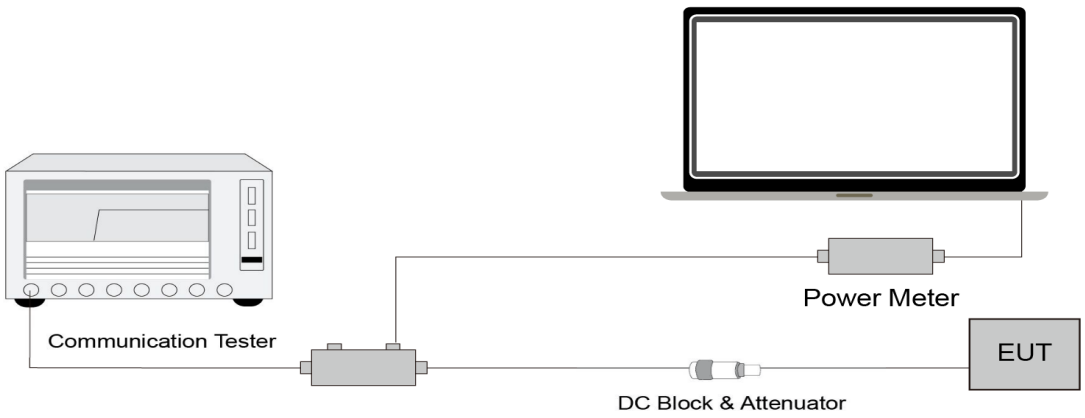
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

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)

ERP = 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.

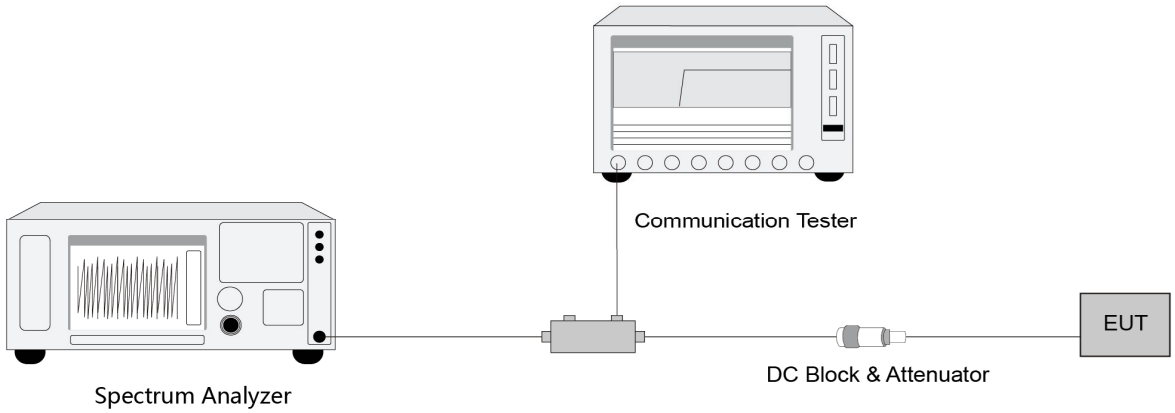
5.5.2. Test Procedure

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

5.5.3. Test Setting

1. Set the resolution/measurement bandwidth ≥ 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 (g) (h)(n)(2)(l)(2)

For operations in the 824 ~ 849 MHz, 1850 ~ 1910 MHz, 1930 ~ 1990 MHz, 600MHz & 698 ~ 746 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.

27.53 (c)

For operations in the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable equipment.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

5.6.2. Test Procedure

ANSI C63.26-2015 - Section 5.7

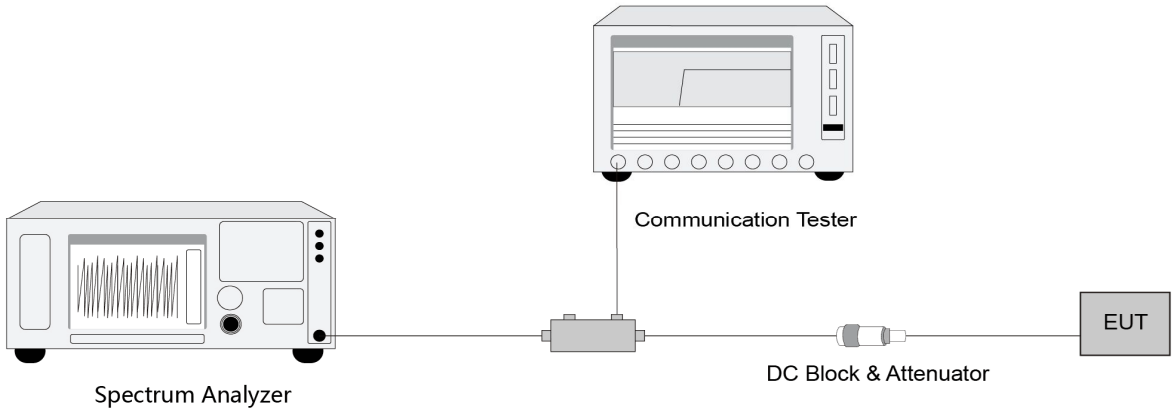
5.6.3. Test Setting

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 ≥ 3*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.

For Band 13, For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

For Band 7, Band 38, Band 41 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 55 + 10 log(P) dB.

5.7.2. Test Procedure

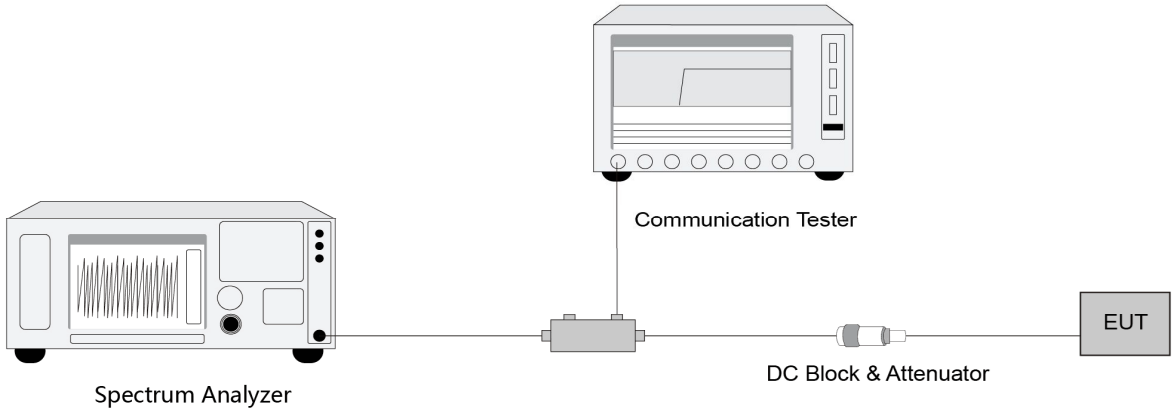
ANSI C63.26-2015 - Section 5.7

5.7.3. Test Setting

1. Set the analyzer frequency to low, Mid or high channel.
2. RBW = specified resolution bandwidth
3. VBW ≥ 3*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 factorof at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

For Band 13, For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

For Band 7, Band 38, Band 41 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 55 + 10 log(P) dB. The emission limit equal to -25dBm.

E (dBμV/m) = EIRP (dBm) - 20 log D + 104.8; where D is the measurement distance in meters. The emission limit equal to 82.3dBμV/m or 70.3dBμV/m or 55.3dBμV/m.

5.8.2. Test Procedure

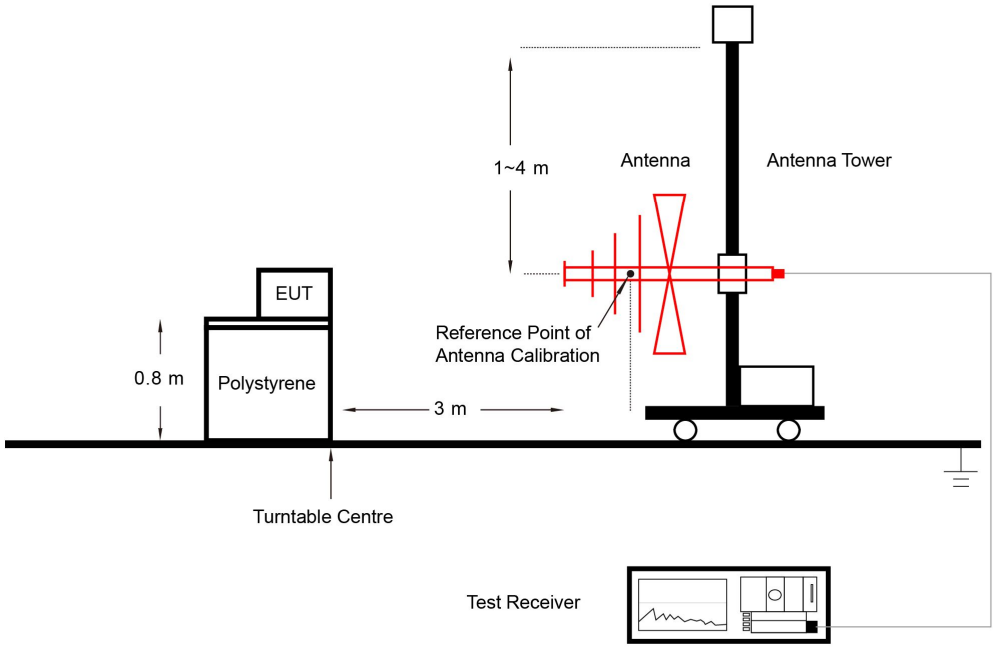
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.8.3. Test Setting

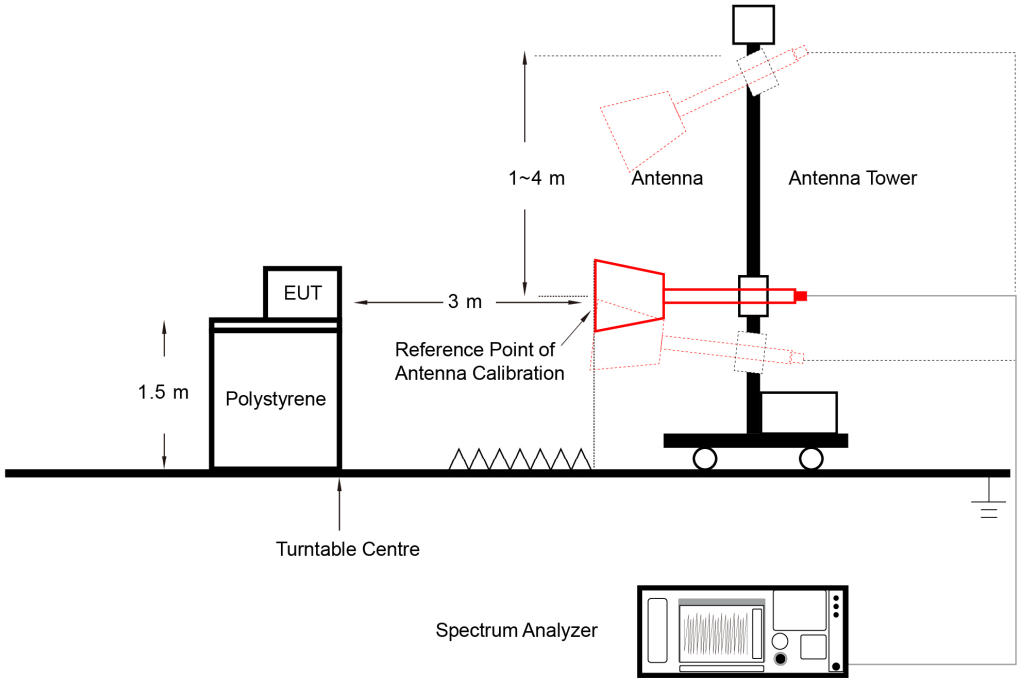
1. RBW = 120kHz or 1MHz
2. VBW ≥ 3*RBW
3. Sweep time ≥ 10 × (number of points in sweep) × (transmission symbol period)
4. Detector = CISPR quasi-peak / average detector (Below 1 GHz, compliance with the limits shall be demonstrated using a CISPR quasi-peak detector and the related measurement bandwidth. 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

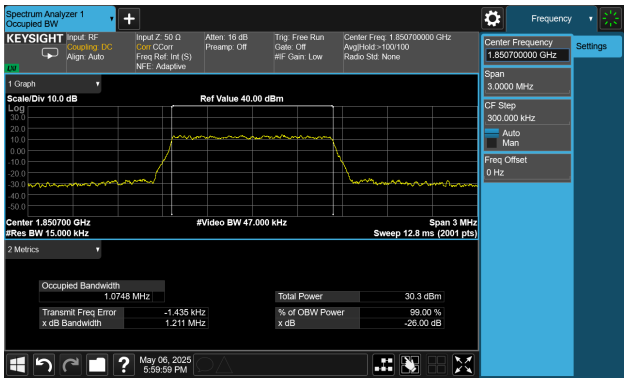
Test Site	WJ-SR11 & SIP-SR1	Test Engineer	Lucas Wang & Yoniter Yang
Test Date	2025-05-06 ~ 2025-05-08	Test Band	Band 2/25

Modulation	Bandwidth (MHz)	RB Size	RB Offset	Frequency (MHz)	99% Bandwidth (MHz)
QPSK	1.4	Full RB	0	1850.7	1.0748
		Full RB	0	1882.5	1.0745
		Full RB	0	1914.3	1.0757
	3	Full RB	0	1851.5	2.6769
		Full RB	0	1882.5	2.6785
		Full RB	0	1913.5	2.6831
	5	Full RB	0	1852.5	4.4719
		Full RB	0	1882.5	4.4731
		Full RB	0	1912.5	4.4713
	10	Full RB	0	1855.0	8.9318
		Full RB	0	1882.5	8.9391
		Full RB	0	1910.0	8.9347
	15	Full RB	0	1857.5	13.403
		Full RB	0	1882.5	13.420
		Full RB	0	1907.5	13.412
	20	Full RB	0	1860.0	17.836
		Full RB	0	1882.5	17.823
		Full RB	0	1905.0	17.866
	20	1 RB	0	1860.0	0.25241
		1 RB	0	1882.5	0.24718
		1 RB	99	1905.0	0.24447
16QAM	1.4	Full RB	0	1850.7	1.0768
		Full RB	0	1882.5	1.0783
		Full RB	0	1914.3	1.0771
	3	Full RB	0	1851.5	2.6814
		Full RB	0	1882.5	2.6783
		Full RB	0	1913.5	2.6806
	5	Full RB	0	1852.5	4.4641
		Full RB	0	1882.5	4.4770
		Full RB	0	1912.5	4.4730

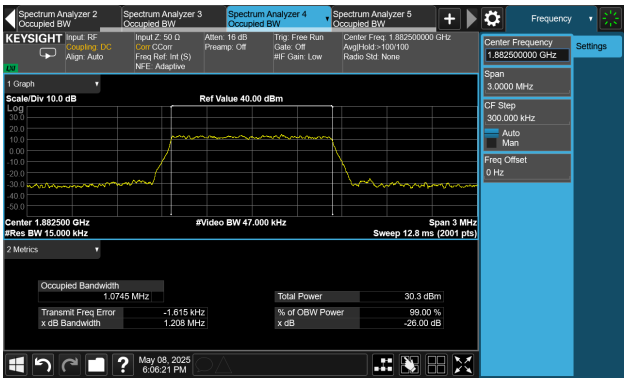
Modulation	Bandwidth (MHz)	RB Size	RB Offset	Frequency (MHz)	99% Bandwidth (MHz)
	10	Full RB	0	1855.0	8.9182
		Full RB	0	1882.5	8.9236
		Full RB	0	1910.0	8.9218
	15	Full RB	0	1857.5	13.392
		Full RB	0	1882.5	13.391
		Full RB	0	1907.5	13.412
	20	Full RB	0	1860.0	17.853
		Full RB	0	1882.5	17.867
		Full RB	0	1905.0	17.882
64QAM	1.4	Full RB	0	1850.7	1.0777
		Full RB	0	1882.5	1.0775
		Full RB	0	1914.3	1.0766
	3	Full RB	0	1851.5	2.6803
		Full RB	0	1882.5	2.6788
		Full RB	0	1913.5	2.6835
	5	Full RB	0	1852.5	4.4834
		Full RB	0	1882.5	4.4744
		Full RB	0	1912.5	4.4757
	10	Full RB	0	1855.0	8.9397
		Full RB	0	1882.5	8.9406
		Full RB	0	1910.0	8.9358
	15	Full RB	0	1857.5	13.381
		Full RB	0	1882.5	13.370
		Full RB	0	1907.5	13.392
	20	Full RB	0	1860.0	17.833
		Full RB	0	1882.5	17.854
		Full RB	0	1905.0	17.894

99% Bandwidth – 1.4MHz – QPSK Full RB

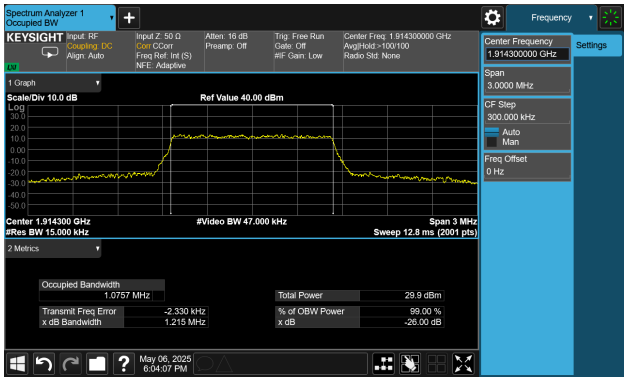
Low Channel



Middle Channel



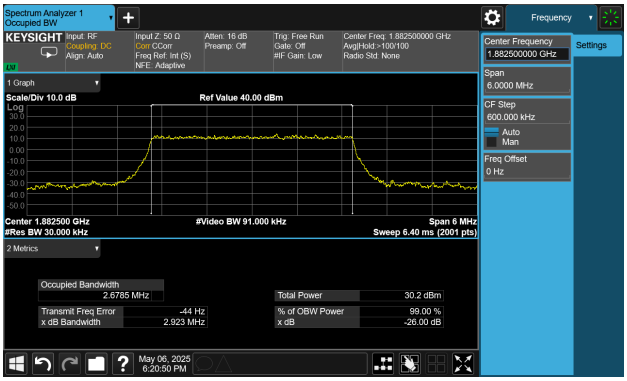
High Channel



99% Bandwidth – 3MHz – QPSK Full RB

Low Channel

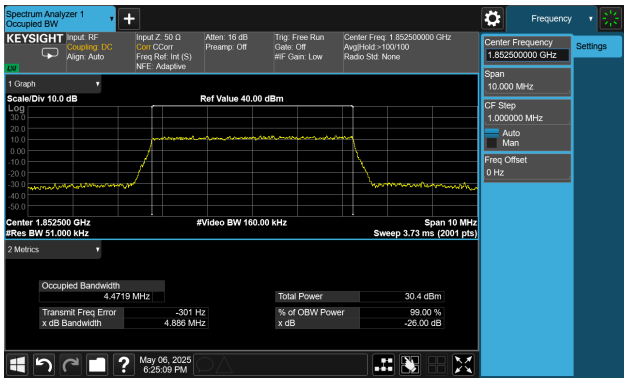
Middle Channel



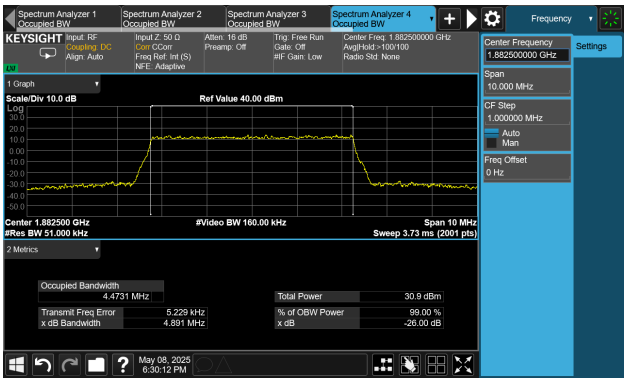
High Channel

99% Bandwidth – 5MHz – QPSK Full RB

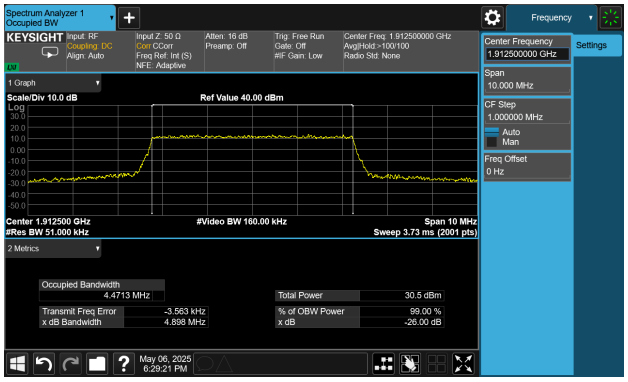
Low Channel



Middle Channel

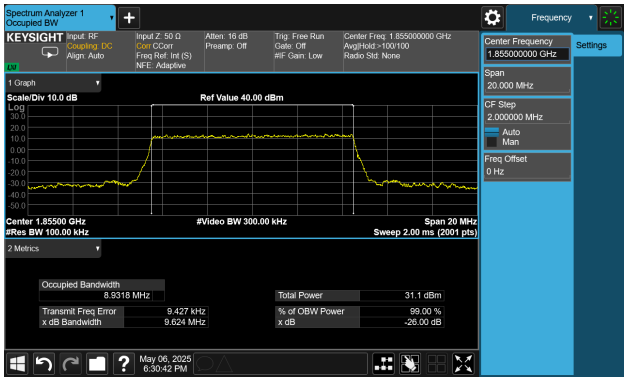


High Channel

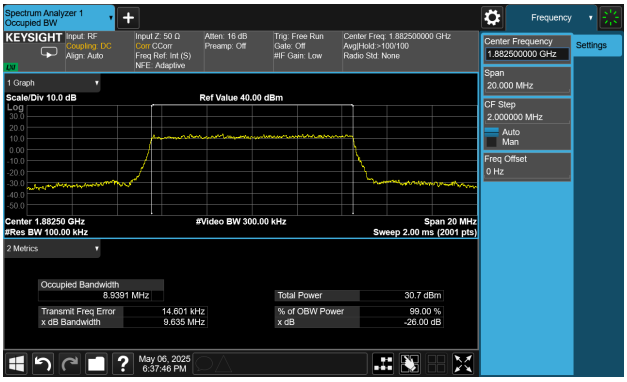


99% Bandwidth – 10MHz – QPSK Full RB

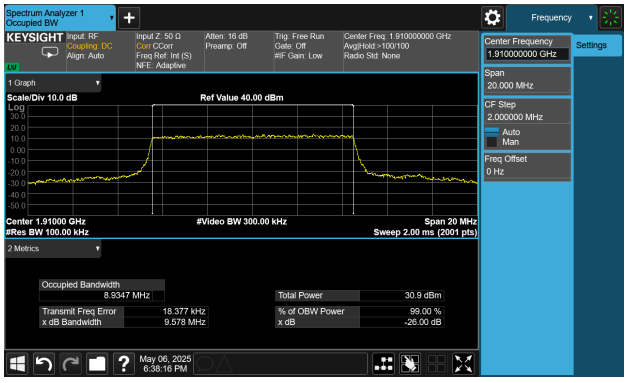
Low Channel



Middle Channel



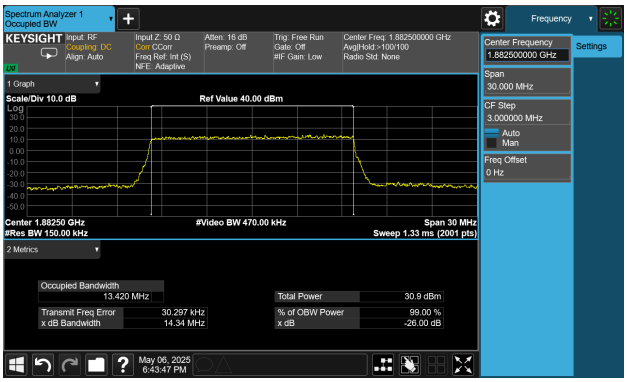
High Channel



99% Bandwidth – 15MHz – QPSK Full RB

Low Channel

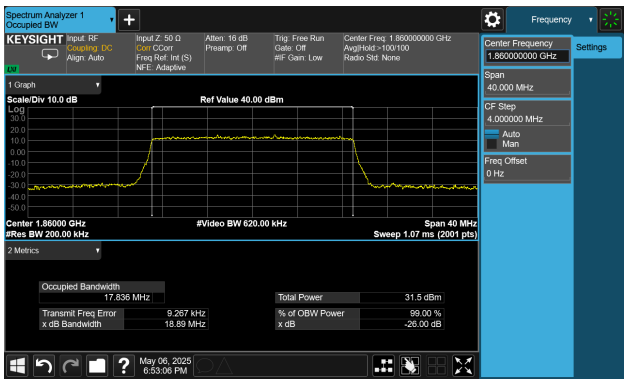
Middle Channel



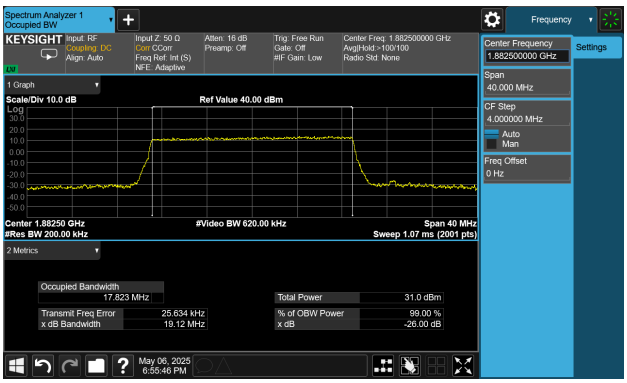
High Channel

99% Bandwidth – 20MHz – QPSK Full RB

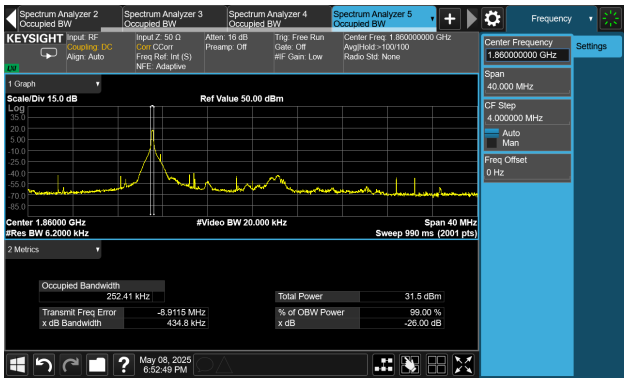
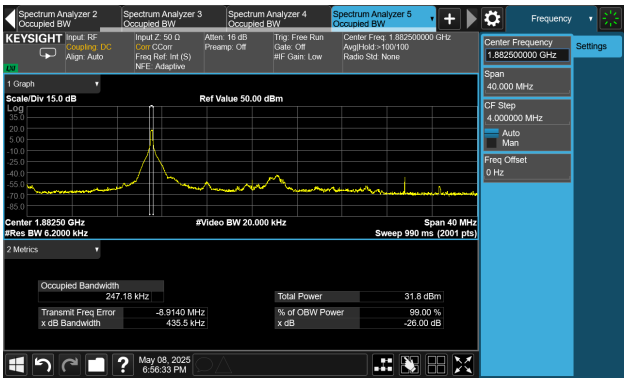
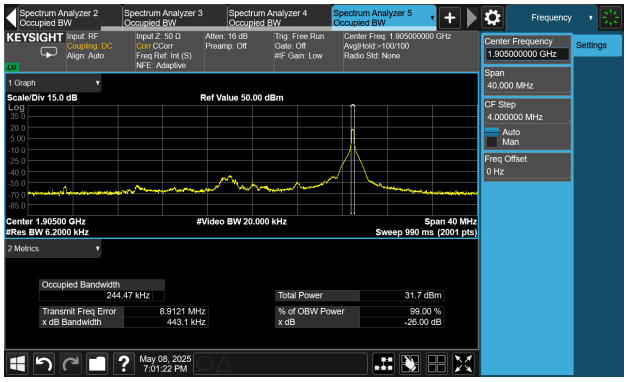
Low Channel



Middle Channel

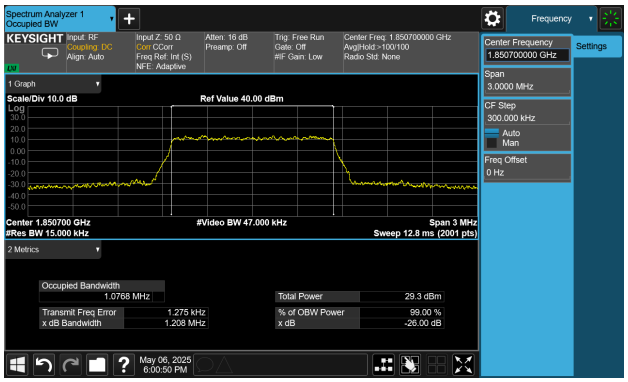


High Channel

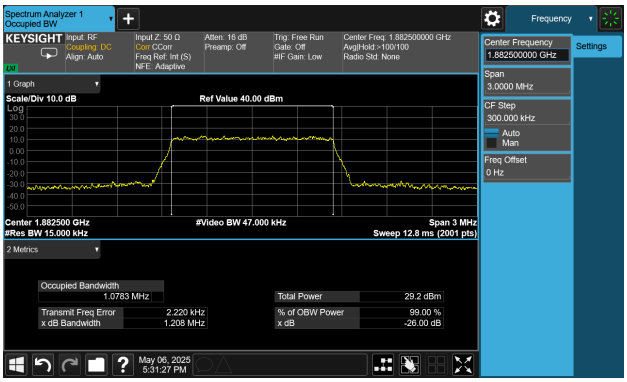
99% Bandwidth – 20MHz – QPSK 1 RB	
Low Channel	Middle Channel
	
High Channel	
	

99% Bandwidth – 1.4MHz –16QAM Full RB

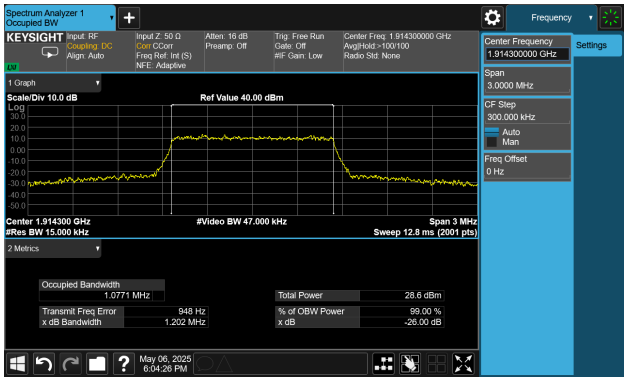
Low Channel



Middle Channel

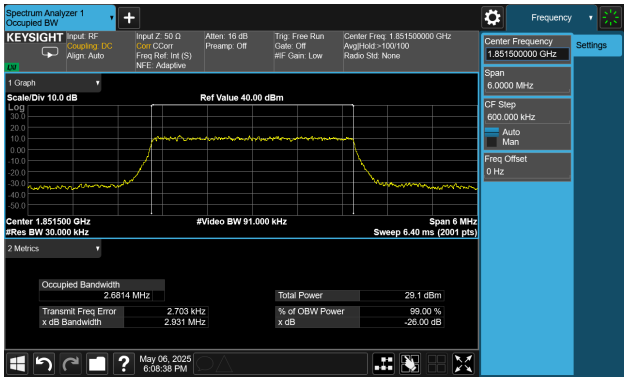


High Channel

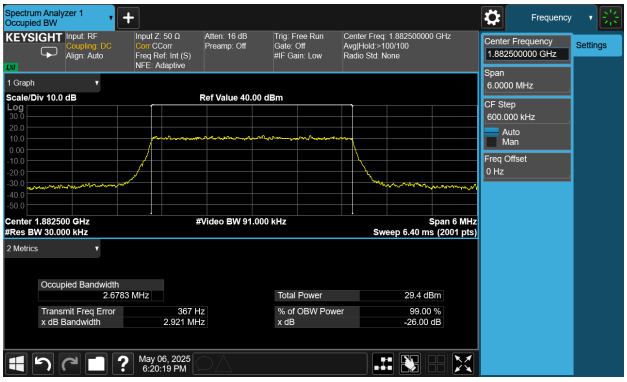


99% Bandwidth – 3MHz –16QAM Full RB

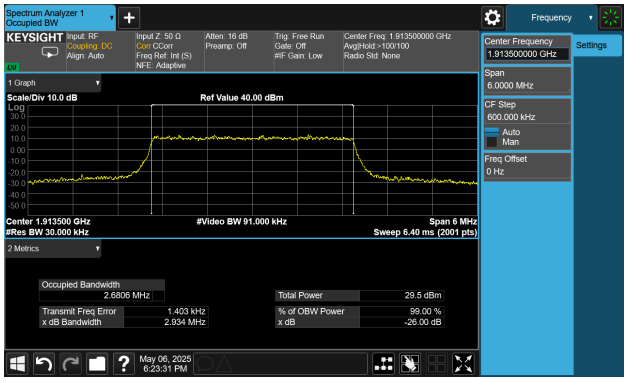
Low Channel



Middle Channel

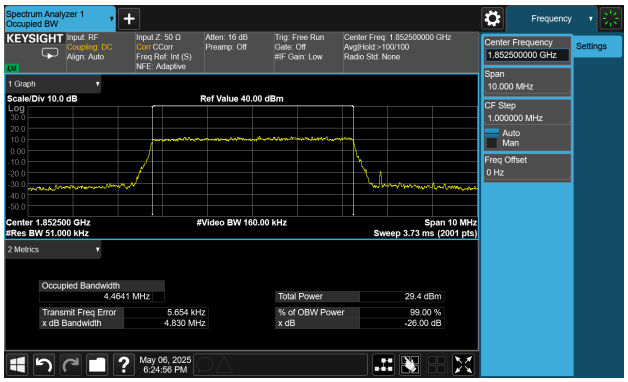


High Channel

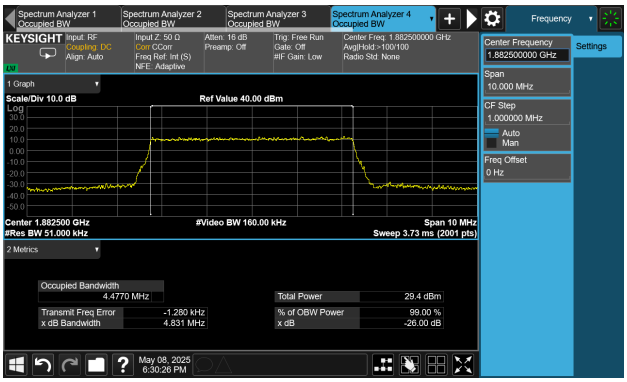


99% Bandwidth – 5MHz –16QAM Full RB

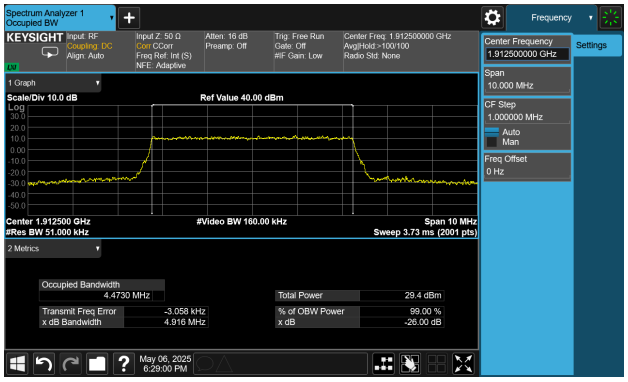
Low Channel



Middle Channel

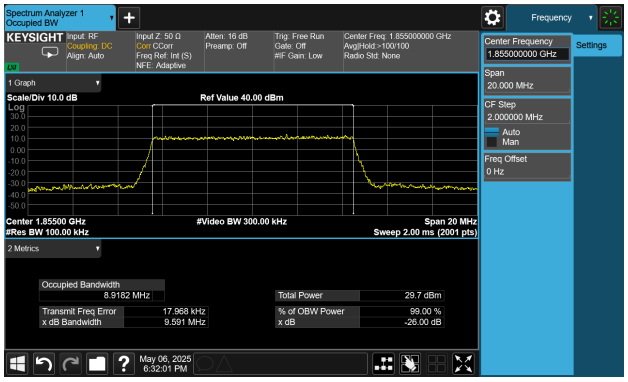


High Channel

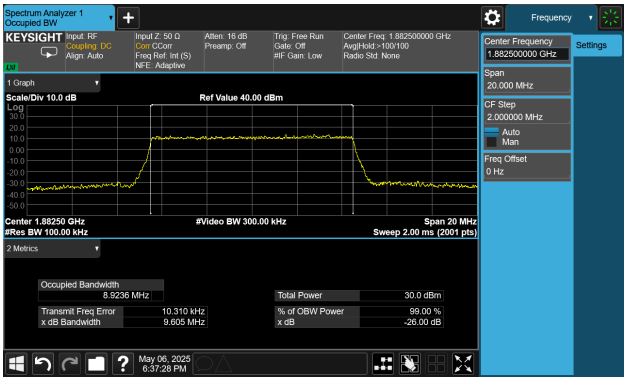


99% Bandwidth – 10MHz –16QAM Full RB

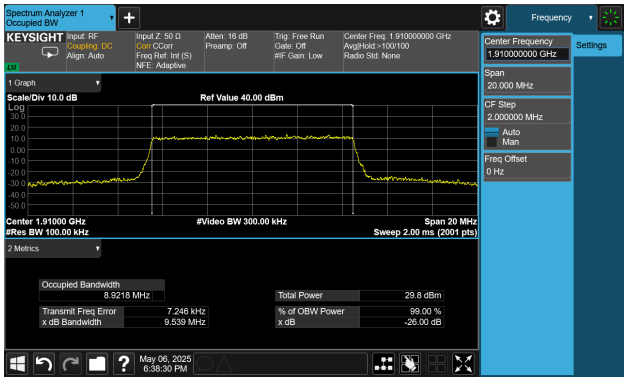
Low Channel



Middle Channel



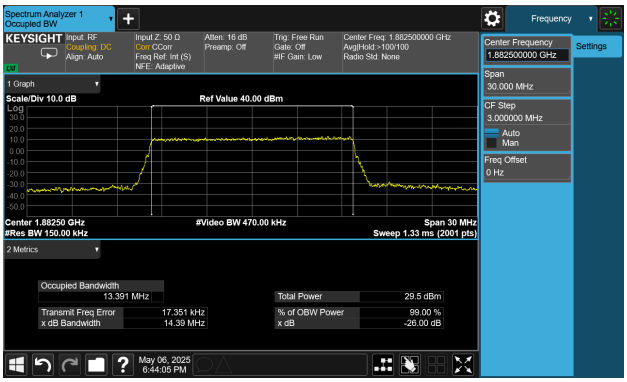
High Channel



99% Bandwidth – 15MHz –16QAM Full RB

Low Channel

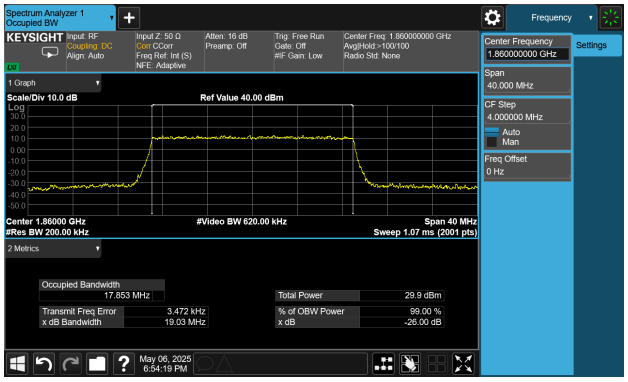
Middle Channel



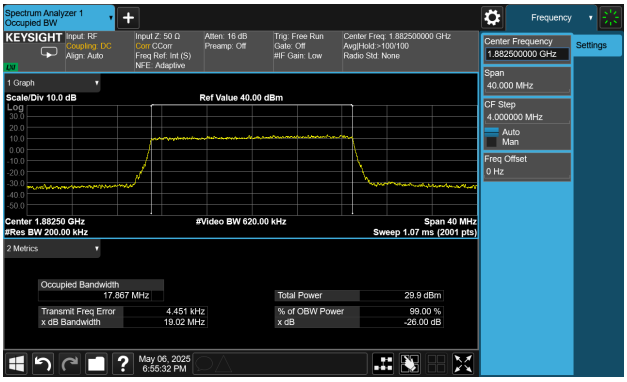
High Channel

99% Bandwidth – 20MHz – 16QAM Full RB

Low Channel



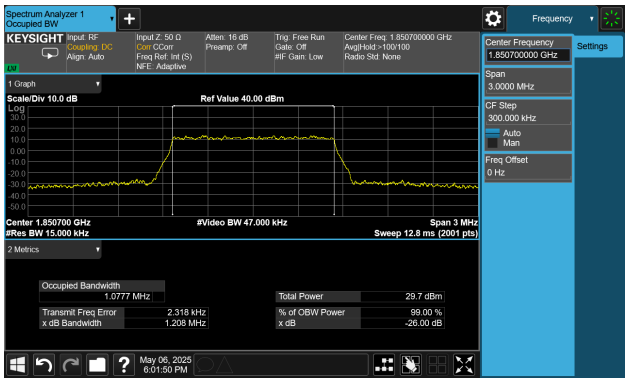
Middle Channel



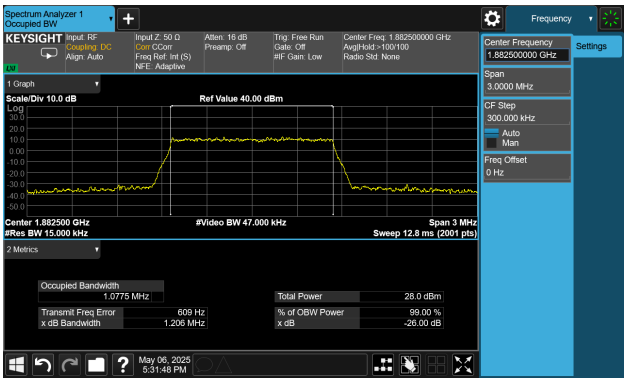
High Channel

99% Bandwidth – 1.4MHz –64QAM Full RB

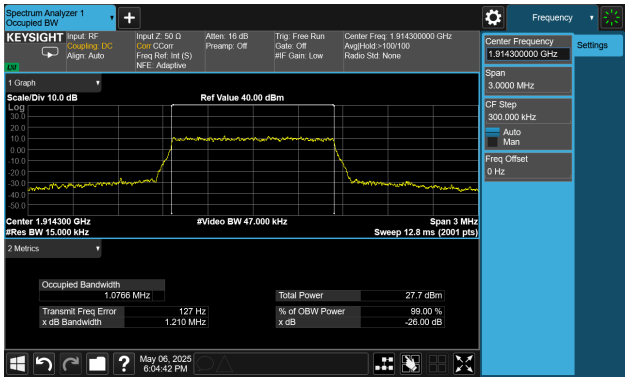
Low Channel



Middle Channel

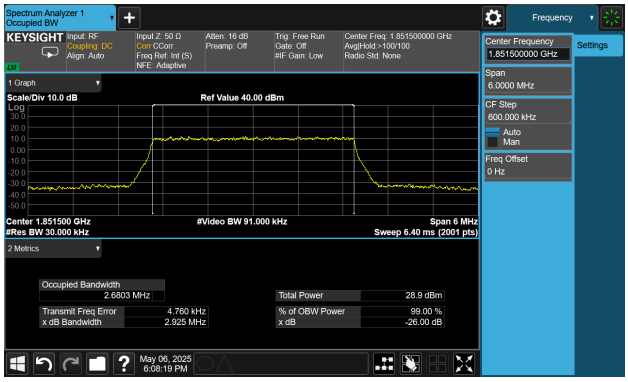


High Channel

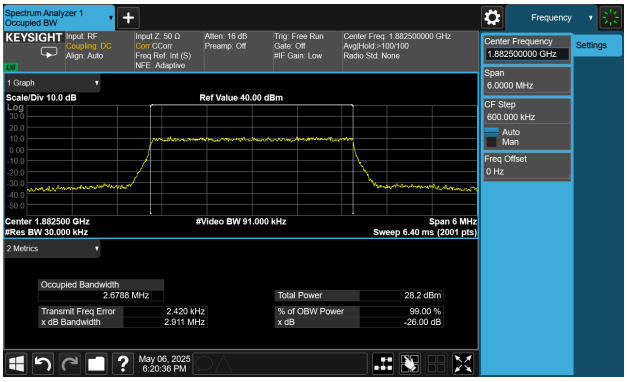


99% Bandwidth – 3MHz –64QAM Full RB

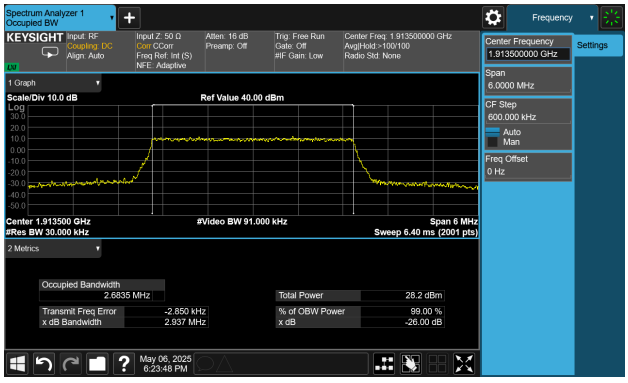
Low Channel



Middle Channel

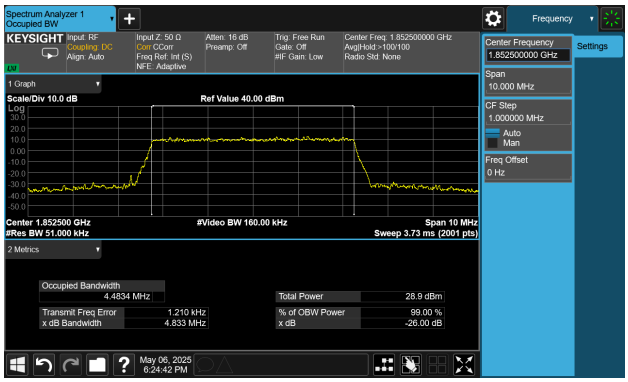


High Channel

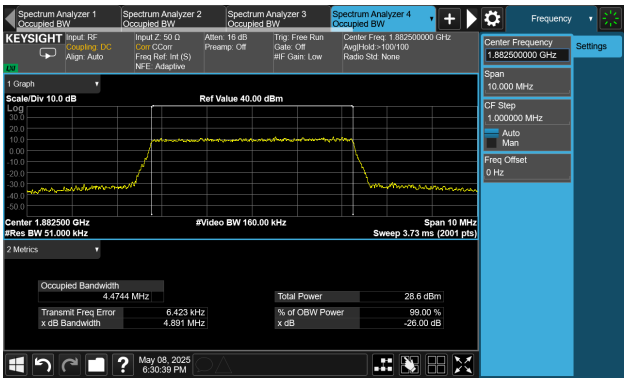


99% Bandwidth – 5MHz –64QAM Full RB

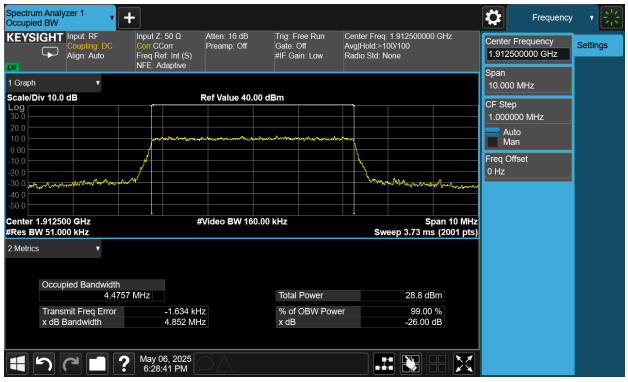
Low Channel



Middle Channel

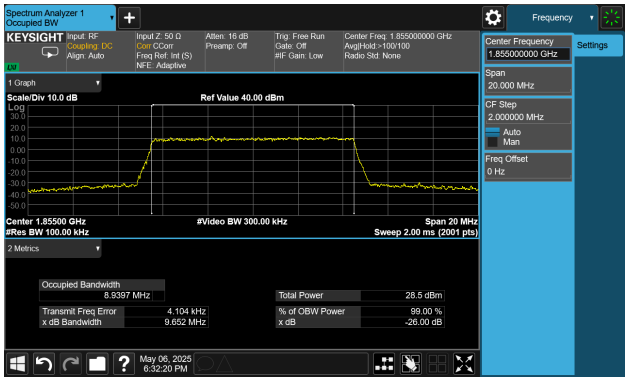


High Channel

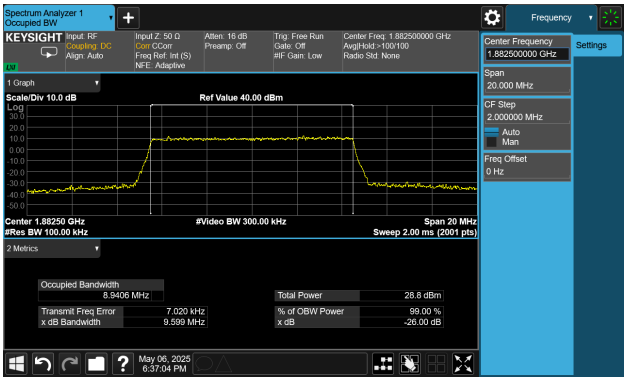


99% Bandwidth – 10MHz –64QAM Full RB

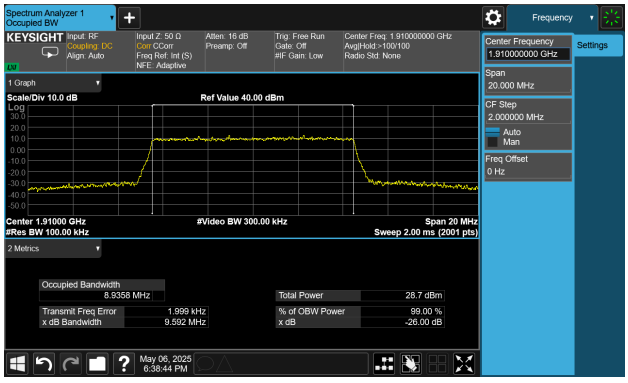
Low Channel



Middle Channel



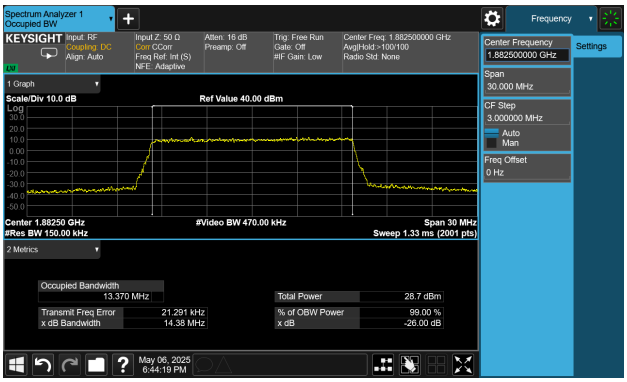
High Channel



99% Bandwidth – 15MHz – 64QAM Full RB

Low Channel

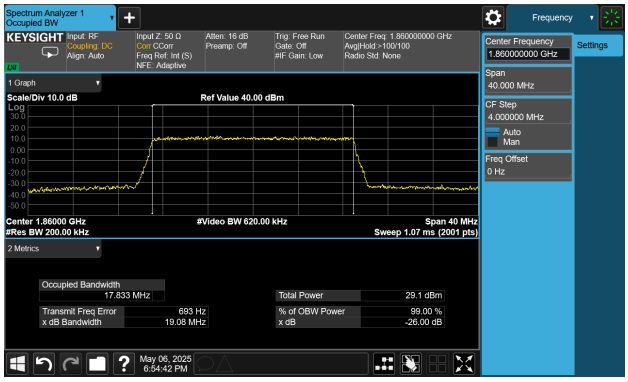
Middle Channel



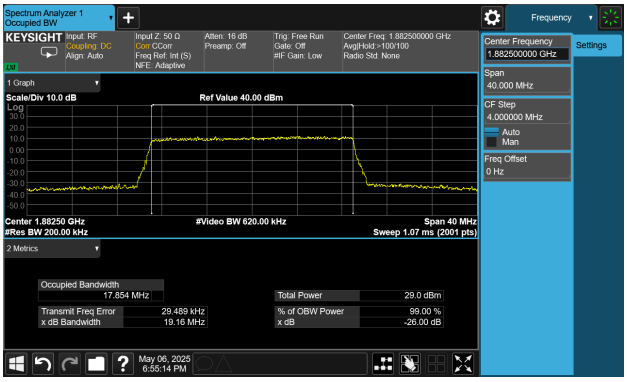
High Channel

99% Bandwidth – 20MHz – 64QAM

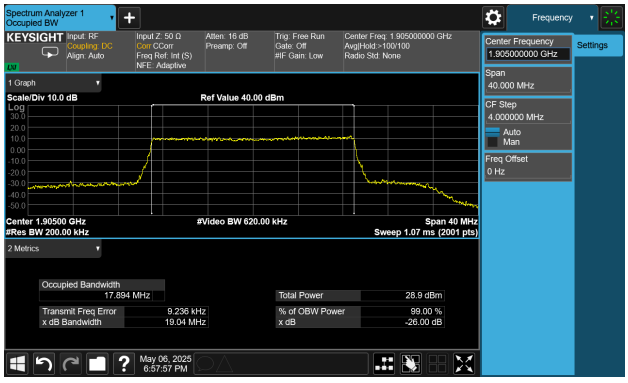
Low Channel



Middle Channel



High Channel



Test Site	WJ-SR11 & SIP-SR1	Test Engineer	Lucas Wang & Yoniter Yang
Test Date	2025-05-07 ~ 2025-05-08	Test Band	Band 4/66

Modulation	Bandwidth (MHz)	RB Size	RB Offset	Frequency (MHz)	99% Bandwidth (MHz)
QPSK	1.4	Full RB	0	1710.7	1.0743
		Full RB	0	1745.0	1.0792
		Full RB	0	1779.3	1.0806
	3	Full RB	0	1711.5	2.6764
		Full RB	0	1745.0	2.6784
		Full RB	0	1778.5	2.6788
	5	Full RB	0	1712.5	4.4737
		Full RB	0	1745.0	4.4710
		Full RB	0	1777.5	4.4770
	10	Full RB	0	1715.0	8.9529
		Full RB	0	1745.0	8.9430
		Full RB	0	1775.0	8.9484
	15	Full RB	0	1717.5	13.440
		Full RB	0	1745.0	13.438
		Full RB	0	1772.5	13.439
	20	Full RB	0	1720.0	17.861
		Full RB	0	1745.0	17.888
		Full RB	0	1770.0	17.898
	20	1 RB	0	1720.0	0.24580
		1 RB	0	1745.0	0.24396
		1 RB	99	1770.0	0.23846
16QAM	1.4	Full RB	0	1710.7	1.0791
		Full RB	0	1745.0	1.0793
		Full RB	0	1779.3	1.0781
	3	Full RB	0	1711.5	2.6778
		Full RB	0	1745.0	2.6826
		Full RB	0	1778.5	2.6845
	5	Full RB	0	1712.5	4.4736
		Full RB	0	1745.0	4.4641
		Full RB	0	1777.5	4.4642
	10	Full RB	0	1715.0	8.9311
		Full RB	0	1745.0	8.9230

Modulation	Bandwidth (MHz)	RB Size	RB Offset	Frequency (MHz)	99% Bandwidth (MHz)
		Full RB	0	1775.0	8.9328
	15	Full RB	0	1717.5	13.422
		Full RB	0	1745.0	13.401
		Full RB	0	1772.5	13.422
	20	Full RB	0	1720.0	17.898
		Full RB	0	1745.0	17.873
		Full RB	0	1770.0	17.888
64QAM	1.4	Full RB	0	1710.7	1.0775
		Full RB	0	1745.0	1.0773
		Full RB	0	1779.3	1.0781
	3	Full RB	0	1711.5	2.6838
		Full RB	0	1745.0	2.6829
		Full RB	0	1778.5	2.6812
	5	Full RB	0	1712.5	4.4787
		Full RB	0	1745.0	4.4777
		Full RB	0	1777.5	4.4760
	10	Full RB	0	1715.0	8.9428
		Full RB	0	1745.0	8.9460
		Full RB	0	1775.0	8.9412
	15	Full RB	0	1717.5	13.388
		Full RB	0	1745.0	13.409
		Full RB	0	1772.5	13.402
	20	Full RB	0	1720.0	17.865
		Full RB	0	1745.0	17.864
		Full RB	0	1770.0	17.891