

CERTIFICATION TEST REPORT

Report Number. : S-4792147575-E7V3

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-F971U, SM-F971U1

FCC ID : A3LSMF971U

EUT Description : GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII
a/b/g/n/ac/ax/be, NFC, WPT, UWB and NB-NTN

Test Standard : FCC 47 CFR PART 30 Mobile Transmitter(5GM)

Date Of Issue:
2026-05-04

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Revision History

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TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	5
2. TEST METHODOLOGY	6
3. FACILITIES AND ACCREDITATION	6
4. CALIBRATION AND UNCERTAINTY	7
4.1. MEASURING INSTRUMENT CALIBRATION	7
4.2. SAMPLE CALCULATION	7
4.3. MEASUREMENT UNCERTAINTY.....	7
4.4. DECISION RULE.....	7
5. EQUIPMENT UNDER TEST.....	8
5.1. DESCRIPTION OF EUT	8
5.2. MAXIMUM OUTPUT POWER.....	10
5.3. WORST-CASE ORIENTATION	14
5.4. DESCRIPTION OF TEST SETUP.....	15
6. TEST AND MEASUREMENT EQUIPMENT	18
7. SUMMARY TABLE	19
8. APPLICABLE LIMITS AND TEST RESULTS	20
8.1. OCCUPIED BANDWIDTH	20
8.1.1. OCCUPIED BANDWIDTH RESULTS	21
8.2. EQUIVALENT ISOTROPIC RADIATED POWER.....	34
8.2.1. EIRP Results	36
8.3. BAND EDGE EMISSIONS.....	56
8.3.1. BAND EDGE WORST CASE RESULT	59
8.4. RADIATED SPURIOUS AND HARMONIC EMISSIONS.....	95
8.4.1. RADIATED SPURIOUS AND HARMONIC EMISSIONS RESULT	98
8.5. FREQUENCY STABILITY.....	194
8.5.1. FREQUENCY STABILITY RESULTS	195
Appendix A.....	197
1. Accreditation Scope	197
2. VDI Mixer Certificate Report.....	198
2.1. Model : N9029AV15, S/N : SAX693	198
2.2. Model : N9029AV10, S/N : SAX597	203
2.3. Model : N9029AV06, S/N : SAX789	208

2.4.	Model : N9029AV04, S/N : SAX791	213
3.	CMI Horn Antenna gain	218
3.1.	HO22R (33 GHz – 50 GHz)	218
3.1.	HO15R (50 GHz – 75 GHz)	220
3.2.	HO10R (75 GHz – 110 GHz)	222
3.3.	HO06R (110 GHz – 170 GHz)	224
3.4.	HO04R (170 GHz – 260 GHz)	226

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

EUT DESCRIPTION: GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, NFC, WPT, UWB and NB-NTN

MODEL NUMBER: SM-F971U, SM-F971U1

SERIAL NUMBER: R3GL10KM61D, R3GL20D47JH (Radiated)

DATE TESTED: 2026-03-03 ~ 2026-04-17

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 30 Mobile Transmitter (5GM)	Complies

UL KOREA LTD. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL KOREA LTD. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL KOREA LTD. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL KOREA LTD. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
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Tested By:



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Suwon Lab Engineer
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Myeongjun Kwon
Suwon Lab Engineer
UL KOREA LTD.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC 47 CFR Part 2.
2. FCC 47 CFR Part 30.
3. ANSI C63.26-2015
4. KDB 842590 D01 Upper Microwave Flexible Use Service v01r03
5. KDB 971168 D01 Power Meas License Digital Systems v03r01
6. KDB 662911 D01 Multiple Transmitter Output v02r01
7. KDB 662911 D02 MIMO with Cross Polarized Antenna v01

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro	
☐	Chamber 1(3m semi-anechoic chamber)
☒	Chamber 2(3m semi-anechoic chamber)
☐	Chamber 3(3m semi-anechoic chamber)
☐	Chamber 4(3m Full-anechoic chamber)
☒	Chamber 5(3m Full-anechoic chamber)

UL KOREA LTD. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$E[\text{dB}\mu\text{V/m}] = \text{Analyzer Level}[\text{dBm}] + \text{AFCL}[\text{dB}] + 107$$

$$\text{EIRP}[\text{dBm}] = E[\text{dB}\mu\text{V/m}] + 20 \times \log(3) + 104.8$$

Simplified:

$$\text{EIRP}[\text{dBm}] = \text{Analyzer Level}[\text{dBm}] + \text{AFCL}[\text{dB}] + 107 - 95.26[\text{dB}]$$

$$\text{EIRP}[\text{dBm}] = \text{Analyzer Level}[\text{dBm}] + \text{AFCL}[\text{dB}] + 11.74[\text{dB}]$$

Where AFCL = Antenna Factor [dB/m] + Cable Loss [dB]. Cable loss for spurious emission includes amplifier, RF filter, and mixer factors. Distance: 3 meters.

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Frequency Stability	7.6×10^{-8} Hz
Radiated Disturbance, 30 MHz to 1 GHz	3.78 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.25 dB
Radiated Disturbance, Above 18 GHz	5.07 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Clause 4.4.3 in IEC Guide 115:2023.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, NFC, WPT, UWB and NB-NTN, This test report addresses the 5G NR FR2 operational mode.

Representative model	Comparison Criteria	Derivative model
		SM-F971U1
SM-F971U	Hardware	Identical
	Software	The UI changed according to Service Provider.

The SM-F971U model was used as the representative model for final testing. All test results in this report apply to both the representative model and its derivative variants.

This test report addresses the 5G RF2 NR operational mode on following frequency bands:

n258(denoted as n258 SB1 in this report): 24.25 – 24.45 GHz (TDD)
n258(denoted as n258 SB2 in this report): 24.75 – 25.25 GHz (TDD)
n261: 27.5 – 28.35 GHz (TDD)
n260: 37 – 40 GHz (TDD)

The EUT has an array antenna configuration.

1 patch, placed on the EUT(denoted as H patch). The patch antenna is comprised of two separate antenna feeds - one for horizontal and one for vertical polarization and 1 × 5 dual-polarized patch arrays.

Antenna	Name
Antenna 1	H Patch

# CC's	BW (MHz)	Total CC BW (MHz)	antenna	24.25~24.45GHz (n258-R1)	24.75~25.25GHz (n258-R2)	27.5~28.35GHz (n261)	37~40GHz (n260)
1CC	50	50	H Patch	O	O	O	O
	100	100	H Patch	O	O	O	O
2CC	50	100	H Patch	-	-	-	-
	100	200	H Patch	O	O	O	O
3CC	50	150	H Patch	-	-	-	-
	100	300	H Patch	-	O	O	O
4CC	50	200	H Patch	-	-	-	-
	100	400	H Patch	-	O	O	O

The EUT supports up to 4CC for UL. For each CC, the EUT supports 50MHz and 100MHz bandwidth.

For modulation, the EUT supports a subcarrier spacing (SCS) of 120kHz with two transmission schemes, CP-OFDM and DFT-s-OFDM, with QPSK, pi/2-BPSK, 16-QAM, and 64-QAM modulations.

Different Beam IDs are supported, each corresponding to a different position in space for the antenna. During testing, FTM (Factory Test Mode) was used to operate the transmitter.

MIMO operation was achieved by enabling two Beam IDs at the same time: one from the list of H Beam IDs and the other from the list of V Beam IDs.

SISO-Dual Mode operation was also achieved by enabling two Beam IDs simultaneously (one horizontal and one vertical), with each polarization functioning as an independent transmission channel with its own signal processing path.

The manufacturer provided EIRP simulation data for all beam IDs. From these simulation results, we selected at least three high-EIRP beam IDs for actual measurement verification, with additional beam IDs tested as needed. The beam ID that demonstrated the highest EIRP in actual measurement was subsequently selected for all testing. All tests were performed in stand-alone mode of operation without signaling.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum average radiated EIRP output powers as follows:

Antenna 1 / Ant H, n258 SB1

FCC Part 30								
Band	Frequency Range [GHz]	Antenna	BandWidth [MHz]	CCs Active	Mode	Modulation	Radiated	
							Avg [dBm]	Avg [mW]
n258 SB1	24.25 - 24.45	Ant H	50	1CC	SISO	QPSK	29.11	814.70
					SISO-Dual	QPSK	30.08	1018.59
					SISO-Dual	pi/2-BPSK	29.55	901.57
					SISO-Dual	16QAM	29.55	901.57
					SISO-Dual	64QAM	26.44	440.55
					MIMO	QPSK	28.52	711.21
			100	1CC	SISO	QPSK	29.10	812.83
					SISO-Dual	QPSK	30.63	1156.11
					SISO-Dual	pi/2-BPSK	31.20	1318.26
					SISO-Dual	16QAM	30.61	1150.80
					SISO-Dual	64QAM	27.91	618.02
					MIMO	QPSK	29.97	993.12
				2CC	SISO-Dual	QPSK	28.96	787.05
					SISO-Dual	pi/2-BPSK	28.63	729.46
					SISO-Dual	16QAM	28.17	656.15
					SISO-Dual	64QAM	26.99	500.03

Antenna 1 / Ant H, n258 SB2

FCC Part 30								
Band	Frequency Range [GHz]	Antenna	BandWidth [MHz]	CCs Active	Mode	Modulation	Radiated	
							Avg [dBm]	Avg [mW]
n258 SB2	24.75 - 25.25	Ant H	50	1CC	SISO	QPSK	29.64	920.45
					SISO-Dual	QPSK	30.38	1091.44
					SISO-Dual	pi/2-BPSK	30.19	1044.72
					SISO-Dual	16QAM	30.14	1032.76
					SISO-Dual	64QAM	26.99	500.03
					MIMO	QPSK	28.46	701.46
			100	1CC	SISO	QPSK	30.13	1030.39
					SISO-Dual	QPSK	31.49	1409.29
					SISO-Dual	pi/2-BPSK	31.80	1514.61
					SISO-Dual	16QAM	31.76	1499.68
					SISO-Dual	64QAM	28.87	770.90
					MIMO	QPSK	30.78	1196.74
				2CC	SISO-Dual	QPSK	29.52	895.36
					SISO-Dual	pi/2-BPSK	29.49	889.20
					SISO-Dual	16QAM	29.02	797.99
					SISO-Dual	64QAM	25.43	349.14
				3CC	SISO-Dual	QPSK	26.69	466.66
					SISO-Dual	pi/2-BPSK	26.72	469.89
					SISO-Dual	16QAM	25.82	381.94
					SISO-Dual	64QAM	23.82	240.99
				4CC	SISO-Dual	QPSK	25.82	381.94
					SISO-Dual	pi/2-BPSK	25.87	386.37
					SISO-Dual	16QAM	24.98	314.77
					SISO-Dual	64QAM	23.38	217.77

Antenna 1 / Ant H, n261

FCC Part 30								
Band	Frequency Range [GHz]	Antenna	BandWidth [MHz]	CCs Active	Mode	Modulation	Radiated	
							Avg [dBm]	Avg [mW]
n261	27.5 - 28.35	Ant H	50	1CC	SISO	BPSK	30.78	1196.74
					SISO-Dual	QPSK	31.90	1548.82
					SISO-Dual	pi/2-BPSK	30.70	1174.90
					SISO-Dual	16QAM	30.83	1210.60
					SISO-Dual	64QAM	28.13	650.13
					MIMO	QPSK	30.02	1004.62
			100	1CC	SISO	QPSK	31.66	1465.55
					SISO-Dual	QPSK	33.12	2051.16
					SISO-Dual	pi/2-BPSK	31.86	1534.62
					SISO-Dual	16QAM	32.10	1621.81
					SISO-Dual	64QAM	29.21	833.68
					MIMO	QPSK	31.39	1377.21
				2CC	SISO-Dual	QPSK	30.68	1169.50
					SISO-Dual	pi/2-BPSK	30.67	1166.81
					SISO-Dual	16QAM	30.21	1049.54
					SISO-Dual	64QAM	27.71	590.20
				3CC	SISO-Dual	QPSK	29.25	841.40
					SISO-Dual	pi/2-BPSK	29.24	839.46
					SISO-Dual	16QAM	28.27	671.43
					SISO-Dual	64QAM	26.66	463.45
				4CC	SISO-Dual	QPSK	29.08	809.10
					SISO-Dual	pi/2-BPSK	29.05	803.53
					SISO-Dual	16QAM	28.14	651.63
					SISO-Dual	64QAM	26.51	447.71

Antenna 1 / Ant H, n260

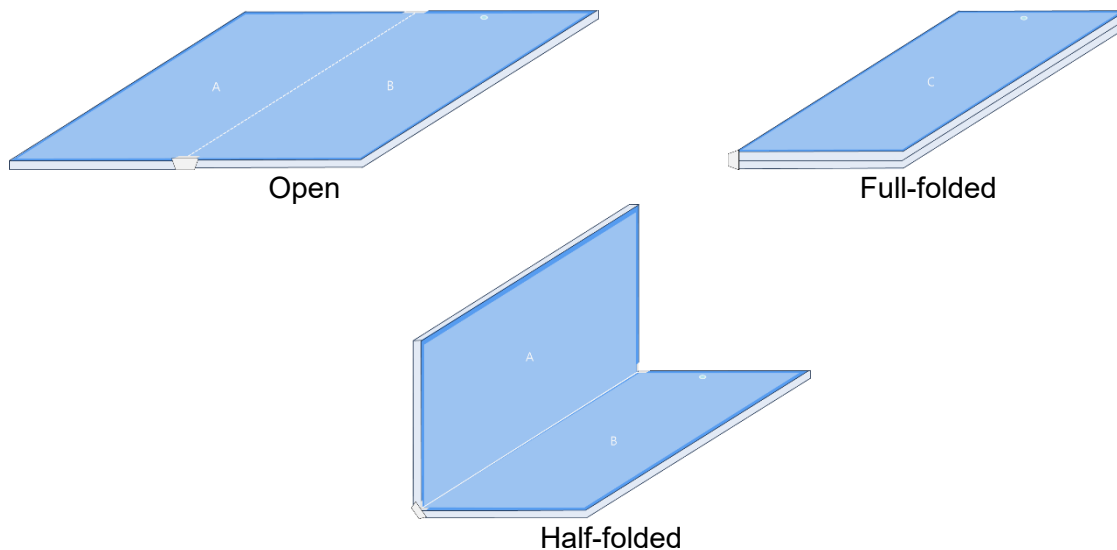
FCC Part 30								
Band	Frequency Range [GHz]	Antenna	BandWidth [MHz]	CCs Active	Mode	Modulation	Radiated	
							Avg [dBm]	Avg [mW]
n260	37 - 40	Ant H	50	1CC	SISO	BPSK	29.63	918.33
					SISO-Dual	QPSK	31.13	1297.18
					SISO-Dual	pi/2-BPSK	29.88	972.75
					SISO-Dual	16QAM	29.36	862.98
					SISO-Dual	64QAM	26.48	444.63
					MIMO	QPSK	29.67	926.83
			100	1CC	SISO	QPSK	30.09	1020.94
					SISO-Dual	QPSK	31.52	1419.06
					SISO-Dual	pi/2-BPSK	30.51	1124.60
					SISO-Dual	16QAM	30.62	1153.45
					SISO-Dual	64QAM	25.01	316.96
					MIMO	16QAM	29.26	843.33
				2CC	SISO-Dual	QPSK	28.57	719.45
					SISO-Dual	pi/2-BPSK	28.54	714.50
					SISO-Dual	16QAM	28.09	644.17
					SISO-Dual	64QAM	25.71	372.39
				3CC	SISO-Dual	QPSK	27.59	574.12
					SISO-Dual	pi/2-BPSK	27.60	575.44
					SISO-Dual	16QAM	27.99	629.51
					SISO-Dual	64QAM	25.01	316.96
				4CC	SISO-Dual	QPSK	27.30	537.03
					SISO-Dual	pi/2-BPSK	27.29	535.80
					SISO-Dual	16QAM	27.70	588.84
					SISO-Dual	64QAM	24.73	297.17

5.3. WORST-CASE ORIENTATION

For all 5G NR FR2 Bands, the worst-case scenario for all measurements is based on the EIRP measurement investigation results. EIRP were measured on QPSK, pi/2-BPSK, 16QAM and 64QAM modulations. It was found that QPSK results were worst case. pi/2-BPSK, 16QAM and 64QAM EIRP testing were performed based on QPSK worst channel modulations to represent the worst case. However, the out of band emissions and spurious radiation were only performed on bandwidth and RB offset(with RB size 1) with the highest EIRP in QPSK.

The fundamental and radiated spurious emission were investigated in EUT through several positions in space by rotating about the roll axis, where is applicable. The final optimum position resulting in the highest EIRP for the frequency or band under investigation is placed on an open-air fixture allowing no blockage of the signal as measured by the receiving antenna.

This device supports three physical configurations applicable to its foldable form factor: screen open, screen half-folded, and screen full-folded, as shown in the figures below. The EUT was tested in all three configurations and the worst-case configuration results are reported. The worst-case configuration was determined based on the highest measured EIRP across all three configurations.



Note : By consulting the EIRP simulation data for all beam IDs and performing spot checks on the IDs with the highest EIRPs, we determined the worst case Beam ID pair for SISO operation and Beam ID pair for MIMO operation. This beam ID was used for final measurements.

5.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-T2510	N/A	N/A
Data Cable	SAMSUNG	EP-DN980	N/A	N/A

I/O CABLE

I/O Cable List						
Cable No.	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	Type-C	Shielded	1.0 m	N/A

TEST SETUP

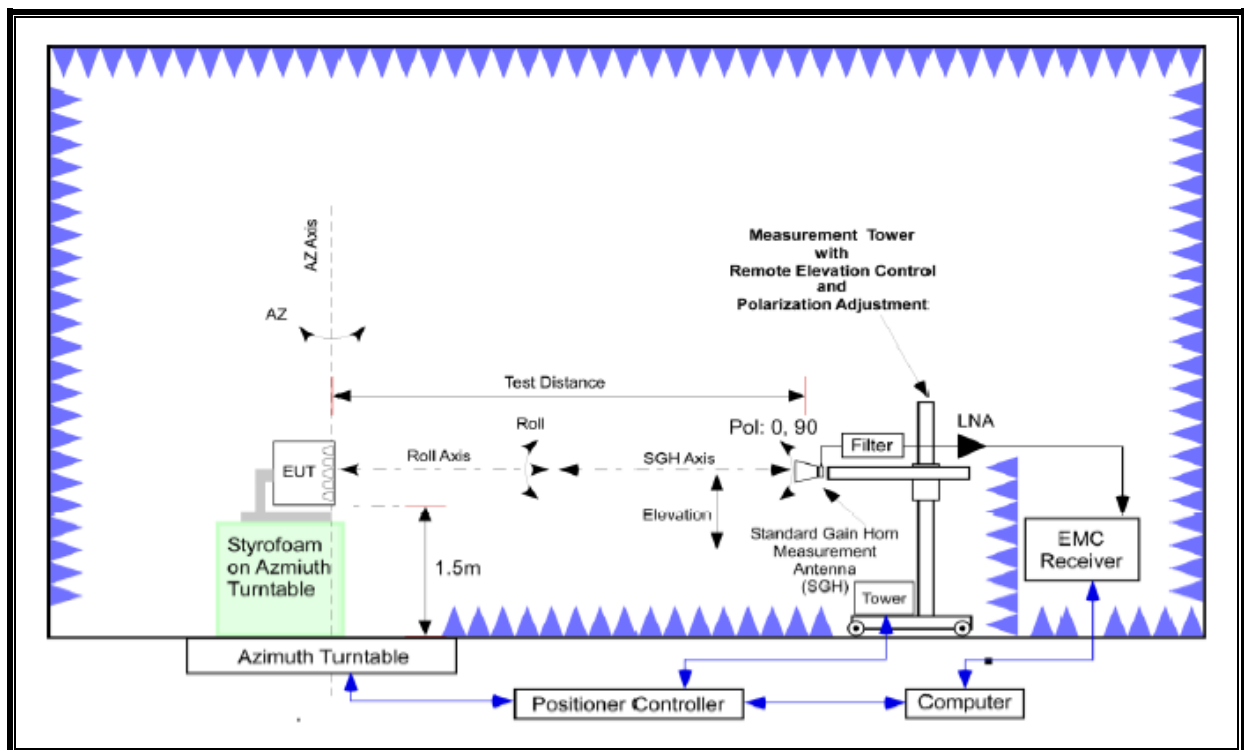
All testing was performed using FTM (Factory Test Mode) software at continuous Tx operation. When implemented out in the field, the EUT will operate with a maximum uplink configuration (i.e., a maximum uplink duty cycle of 100%). The FTM software was also used for the EUT operation in the EN-DC and NR-DC mode.

SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)

Radiated spurious emission measurements from 30MHz - 18GHz were performed in a semi anechoic chamber (SAC) conforming to the normalized site attenuation requirements specified in ANSI C63.4 for below 1 GHz and the site validation criteria called out in CISPR 16-1-4:2019 over the frequency range 1GHz to 18 GHz.

Radiated power (EIRP) measurements of the fundamental signal and radiated spurious emissions measurements above 18 GHz were performed in a full anechoic chamber (FAC). In accordance with ANSI C63.26 and KDB publication 842590 the site meets the sVSWR validation requirements called out in CISPR 16-1-4:2019 over the frequency range 1GHz to 18 GHz. As required by ANSI C63.26 reflection contributions are reduced to the extent possible to allow for measurements to be made up to 200GHz in accordance with KDB publication 842590 v01r03.

A positioner was used to manipulate the EUT through several positions in space by rotating about the roll axis as shown in the figure below. The positioner was mounted on top of a turntable bringing the total EUT height to 1.5m.



FAR-FIELD DISTANCE AND MEASUREMENT DISTANCE

The equipment under test was transmitting while connected to its integral antenna and is placed on a turntable.

The measurement antenna is in the far field of the EUT per formula $2D^2/\lambda$ where D is the larger between the dimension of the measurement antenna and the transmitting antenna of the EUT. In this case, "D" is the largest dimension of the measurement antenna. The EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer.

For fundamental and out-of-band emissions the largest far-field distance of either the EUT antenna or measurement antenna shall be used. For spurious emissions the far-field distance is based only on the measurement antenna.

Frequency Range(GHz)	Wavelength(m)	Far Field Distance(m)	Measurement Distance(m)
18-40	0.008	0.54	1.00 (EIRP and Band Edge = 3.00)
40-50	0.006	1.05	1.50
50-75	0.004	0.69	1.00
75-110	0.003	0.46	1.00
110-175	0.002	0.34	1.00
175-200	0.002	0.16	1.00

Radiated power levels are investigated while the receive antenna was rotated through all angles to determine the worst-case polarization/positioning. It was determined that H=0 degree and V=90 degree is the worst-case positions when the EUT was transmitting horizontally and vertically polarized beams, respectively.

The maximized power level is recorded using the spectrum analyzer "Channel Power" function with the integration bandwidth set to the emissions' occupied bandwidth. The EIRP is calculated from the raw power level measured with the spectrum analyzer using the formulas shown below.

The field strength E is calculated $E \text{ (dB } \mu\text{V/m)} = \text{Spectrum Analyzer Channel Power Level (dBm)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107$.

EIRP (dBm) = $E \text{ (dB } \mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in meter.

6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB 9163	749	2026-08-12
Antenna, Horn, 18 GHz	ETS	3117	00168724	2026-07-17
Antenna, Horn, 40 GHz	ETS	3116C	00227907	2026-12-24
Antenna, Horn, 18-26 GHz	STEATITE	QMS-00225	17499	2027-01-03
Antenna, Horn, 26-40 GHz	STEATITE	QMS-00238	17500	2027-01-03
Preamplifier, 1000 MHz	Sonoma	310N	351741	2026-07-21
Preamplifier, 18 GHz	B&Z Technologies, LLC	BZR-01001800-231040-181515	23576	2026-07-22
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2026-07-21
High Pass Filter 3GHz	Micro-Tronics	HPM17543	015	2026-07-21
Signal Analyzer, 44 GHz	R&S	FSW 50	101538	2026-12-29
Signal Analyzer, 50 GHz	KEYSIGHT	N9040B	MY60080268	2026-12-30
SA Extension Module	VDI	N9029AV15	SAX693	2027-01-05
SA Extension Module	VDI	N9029AV10	SAX597	2027-01-05
SA Extension Module	VDI	N9029AV06	SAX789	2027-01-05
SA Extension Module	VDI	N9029AV04	SAX791	2027-01-05
Antenna	CMI, Inc.	HO22R	UL22002	2027-01-20
Antenna	CMI, Inc.	HO15R	UL15002	2027-01-20
Antenna	CMI, Inc.	HO10R	UL10002	2027-01-20
Antenna	CMI, Inc.	HO06R	UL06002	2027-01-20
Antenna	CMI, Inc.	HO04R	UL04002	2027-01-20
Temperature Chamber	ESPEC	SH-642	93001109	2026-07-21
UL Software				
Description	Manufacturer	Model	Version	
Radiated software	UL	UL EMC	Ver 9.5	

7. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
2.1049	Occupied Bandwidth	N/A	Radiated	Complies
2.1046, 30.202	Equivalent Isotropic Radiated Power	43 dBm		Complies
2.1051, 30.203	Out-of-Band Emissions at the Band Edge	-13 dBm/MHz for all out-of-band emissions, -5 dBm/MHz from the band edge up to 10% of the channel BW		Complies
2.1051, 30.203	Spurious Emission	-13 dBm/MHz for all out-of-band emissions -29dBW/200MHz for 23.6-24GHz -35dBW/200MHz for 23.6-24GHz (After September 1, 2027)		Complies
2.1055	Frequency Stability	Fundamental emissions stay within authorized frequency block		Complies

8. APPLICABLE LIMITS AND TEST RESULTS

8.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only

TEST PROCEDURE

Automatic bandwidth measurement function of the signal analyzer was used to measure 99% occupied.

- a) RBW = 1 – 5% of OBW
- b) VBW $\geq$ 3 x RBW
- c) Detector = Peak
- d) Trace mode = max hold
- e) Sweep = auto couple
- f) The trace was allowed to stabilize

(KDB 842590 D01 Upper Microwave Flexible Use Service v01r03 Section 4.3)
(ANSI C63.26-2015 Section 5.4.3)

Note

5G NR: All Waveforms (CP-OFDM vs DFT-s OFDM) 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.

RESULTS

See the following pages.

8.1.1. OCCUPIED BANDWIDTH RESULTS

OBW Result

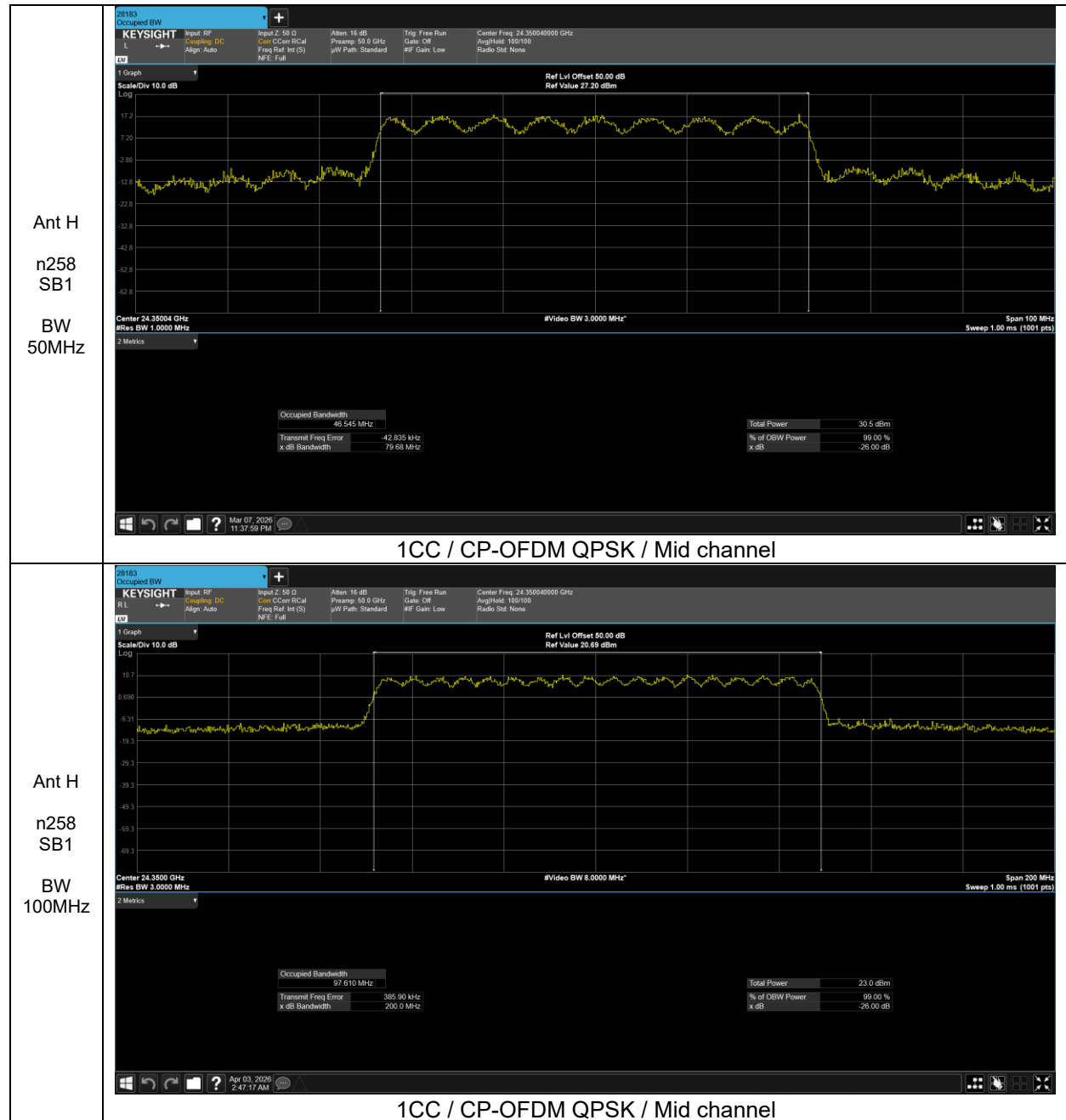
Antenna	Band	BandWidth [MHz]	CCs Active	OFDM	Modulation	OBW [MHz]
Antenna H	n258 SB1	50	1CC	DFT-s	pi/2-BPSK	46.38
				CP	QPSK	46.55
				CP	16QAM	46.44
				CP	64QAM	46.39
		100	1CC	DFT-s	pi/2-BPSK	93.61
				CP	QPSK	97.61
				CP	16QAM	95.94
				CP	64QAM	96.23
			2CC	DFT-s	pi/2-BPSK	193.34
				CP	QPSK	197.50
				CP	16QAM	197.67
				CP	64QAM	197.69

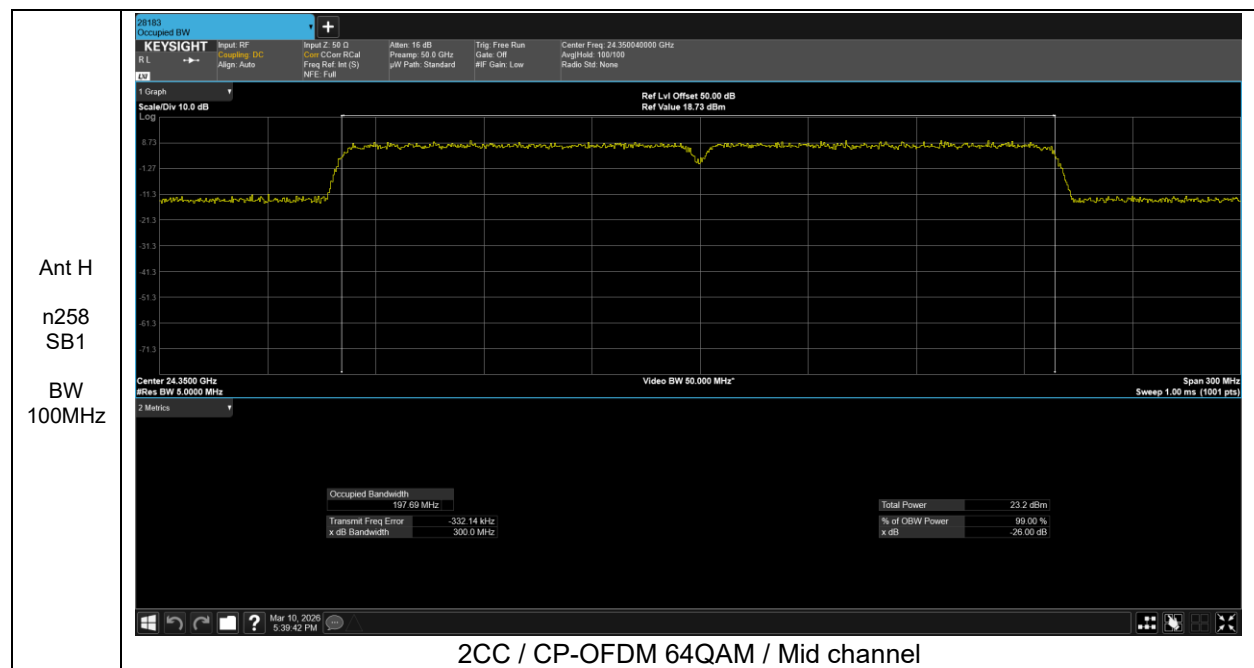
Antenna	Band	BandWidth [MHz]	CCs Active	OFDM	Modulation	OBW [MHz]
Antenna H	n258 SB2	50	1CC	DFT-s	pi/2-BPSK	46.36
				CP	QPSK	46.46
				CP	16QAM	46.46
				CP	64QAM	46.42
		100	1CC	DFT-s	pi/2-BPSK	93.24
				CP	QPSK	96.30
				CP	16QAM	96.14
				CP	64QAM	96.32
			2CC	DFT-s	pi/2-BPSK	193.80
				CP	QPSK	196.98
				CP	16QAM	196.90
				CP	64QAM	197.19
			3CC	DFT-s	pi/2-BPSK	291.86
				CP	QPSK	293.10
				CP	16QAM	293.05
				CP	64QAM	293.77
			4CC	DFT-s	pi/2-BPSK	390.35
				CP	QPSK	391.95
				CP	16QAM	394.23
				CP	64QAM	392.77

Antenna	Band	BandWidth [MHz]	CCs Active	OFDM	Modulation	OBW [MHz]
Antenna H	n261	50	1CC	DFT-s	pi/2-BPSK	46.47
				CP	QPSK	46.76
				CP	16QAM	46.66
				CP	64QAM	46.41
		100	1CC	DFT-s	pi/2-BPSK	93.45
				CP	QPSK	97.22
				CP	16QAM	97.02
				CP	64QAM	96.88
			2CC	DFT-s	pi/2-BPSK	194.16
				CP	QPSK	197.23
				CP	16QAM	196.77
				CP	64QAM	197.41
			3CC	DFT-s	pi/2-BPSK	292.36
				CP	QPSK	296.01
				CP	16QAM	295.50
				CP	64QAM	295.02
			4CC	DFT-s	pi/2-BPSK	390.49
				CP	QPSK	393.55
				CP	16QAM	394.36
				CP	64QAM	394.57

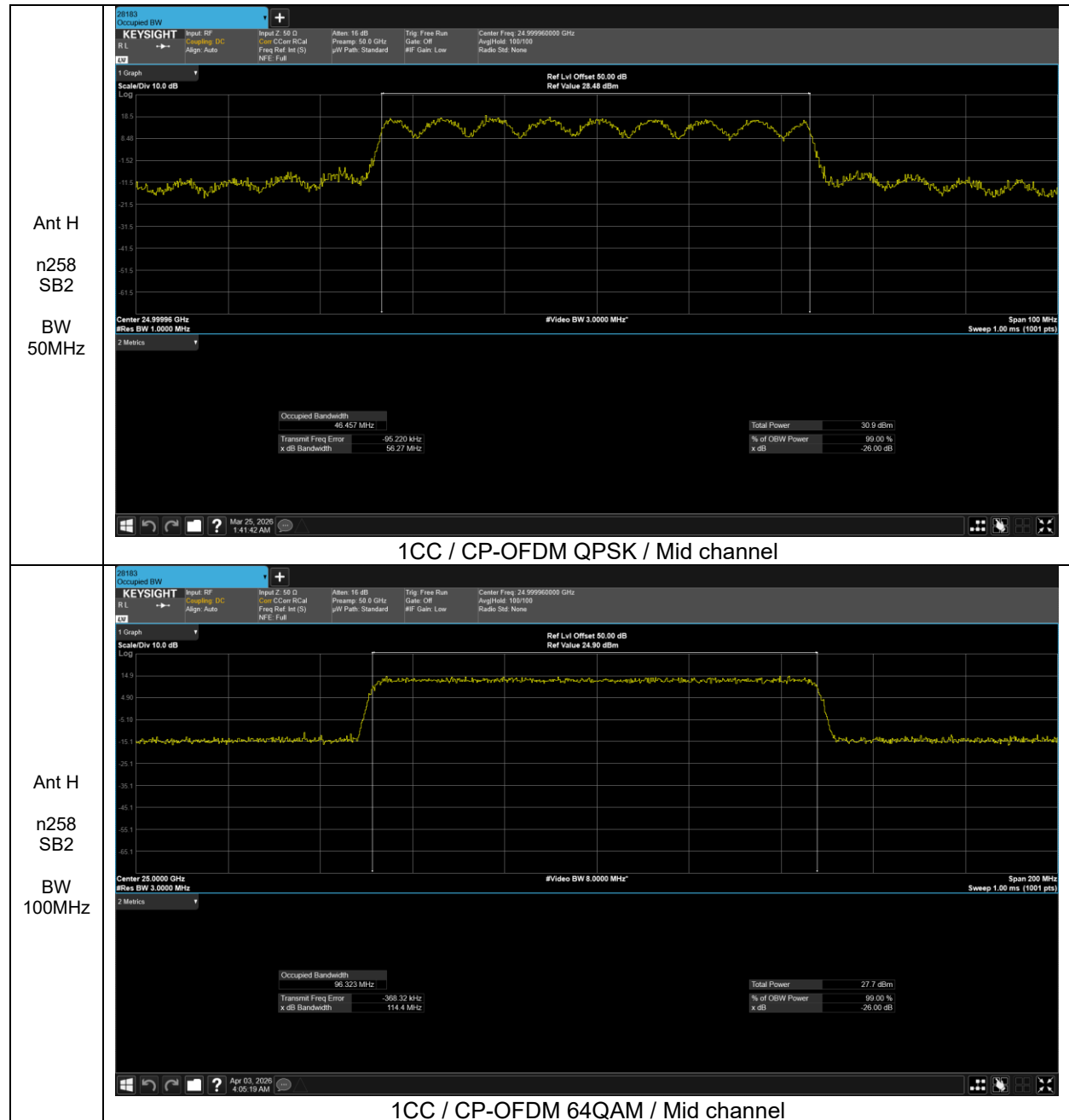
Antenna	Band	BandWidth [MHz]	CCs Active	OFDM	Modulation	OBW [MHz]
Antenna H	n260	50	1CC	DFT-s	pi/2-BPSK	46.55
				CP	QPSK	46.67
				CP	16QAM	46.72
				CP	64QAM	46.84
		100	1CC	DFT-s	pi/2-BPSK	93.90
				CP	QPSK	98.27
				CP	16QAM	97.80
				CP	64QAM	97.08
			2CC	DFT-s	pi/2-BPSK	193.83
				CP	QPSK	197.19
				CP	16QAM	197.27
				CP	64QAM	198.15
			3CC	DFT-s	pi/2-BPSK	293.05
				CP	QPSK	296.07
				CP	16QAM	295.81
				CP	64QAM	296.72
			4CC	DFT-s	pi/2-BPSK	392.17
				CP	QPSK	394.91
				CP	16QAM	394.71
				CP	64QAM	396.25

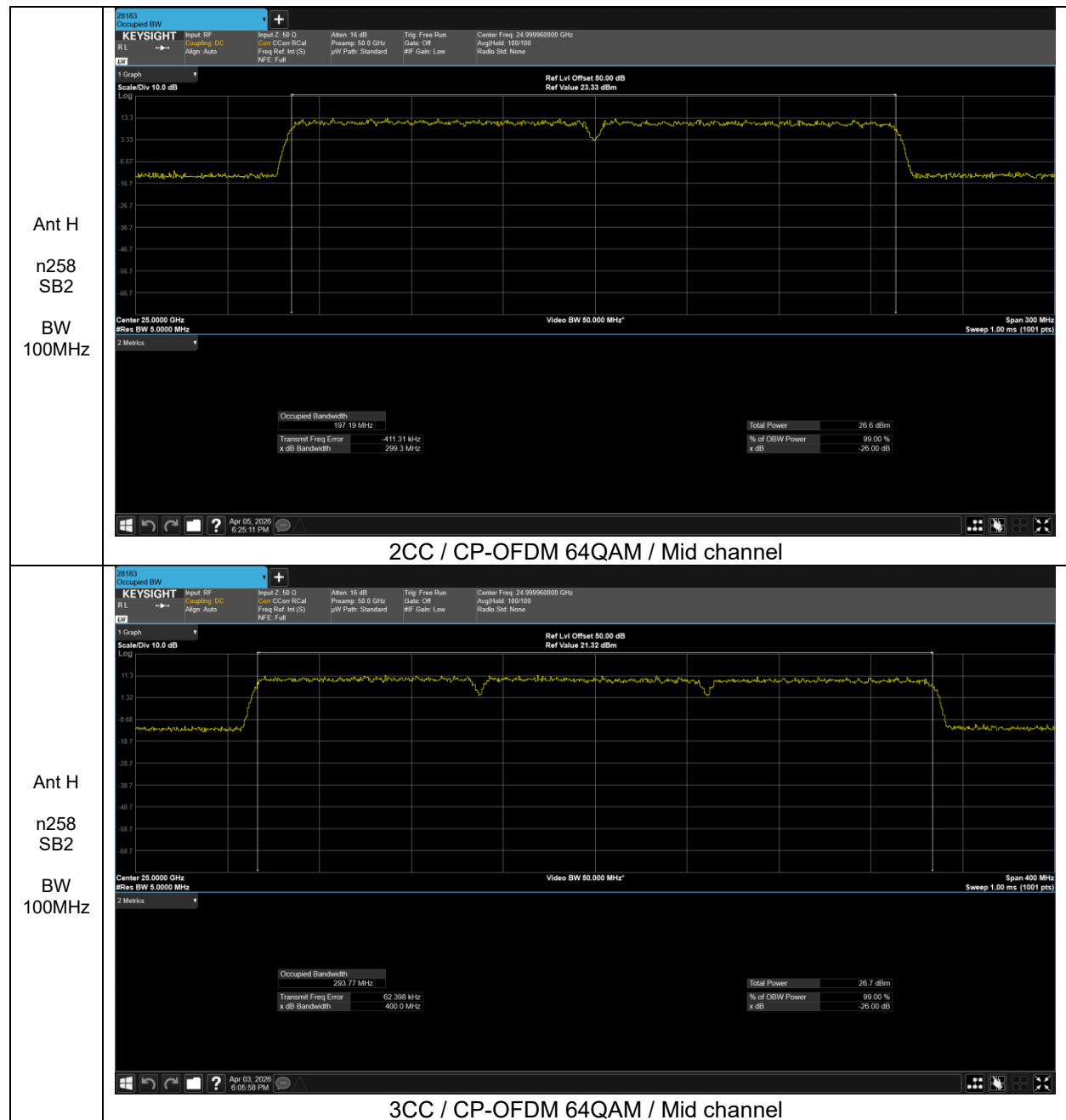
Antena 1 / Ant H / Band n258 SB1

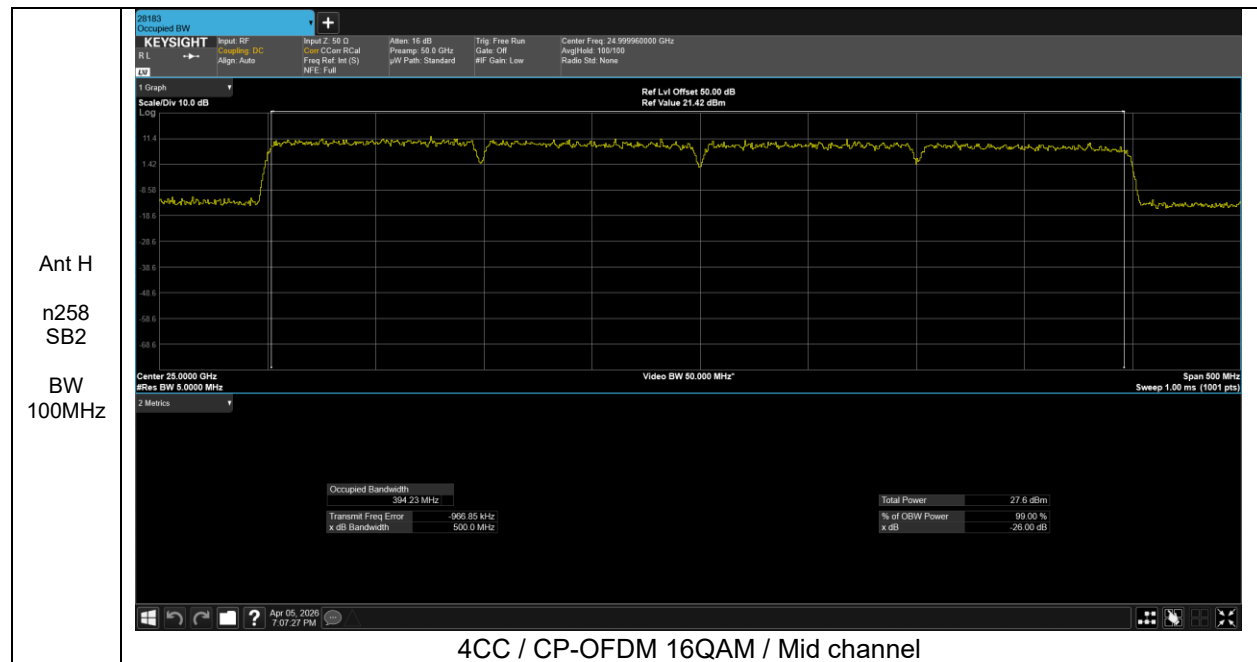




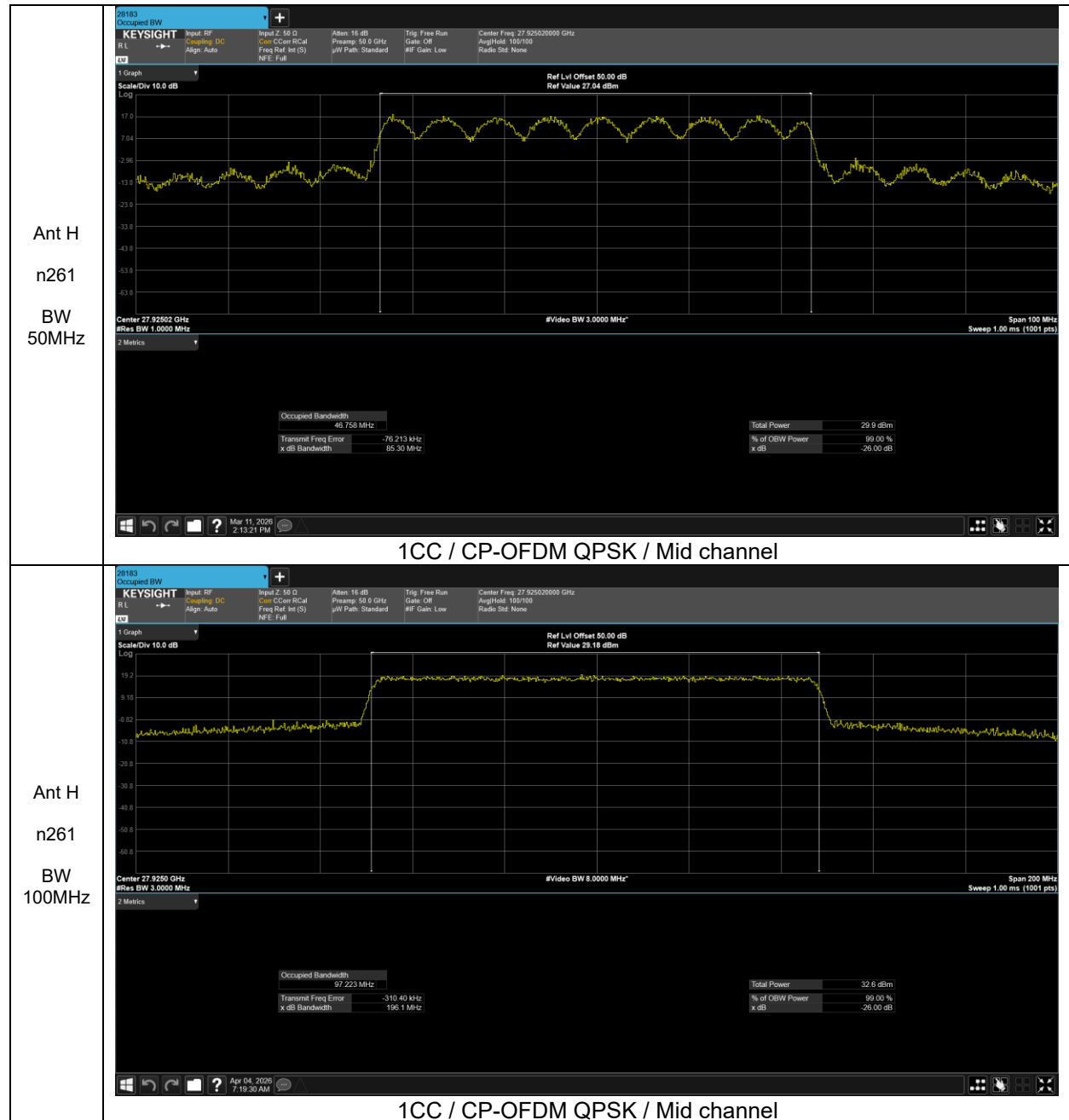
Antena 1 / Ant H / Band n258 SB2

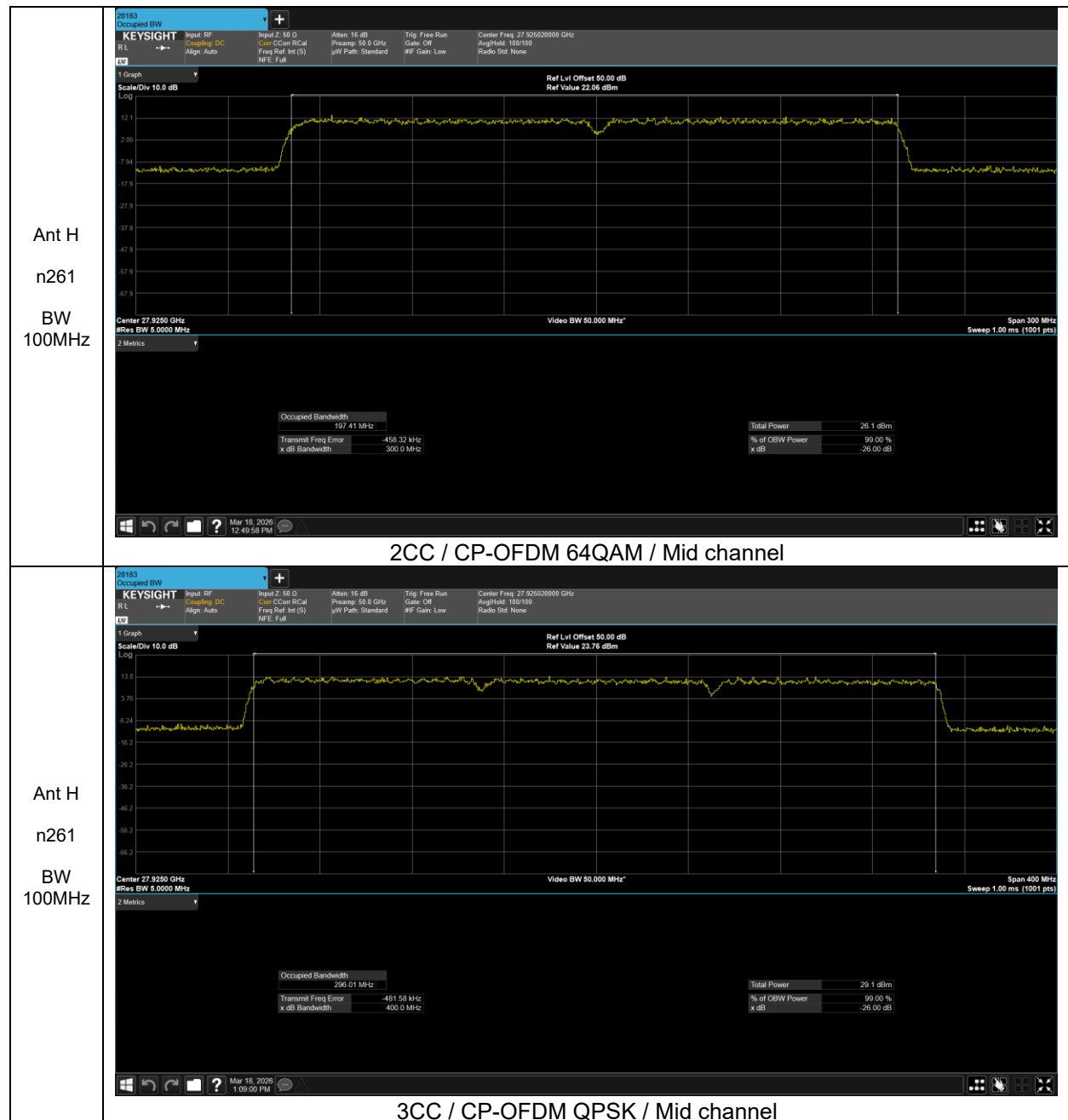


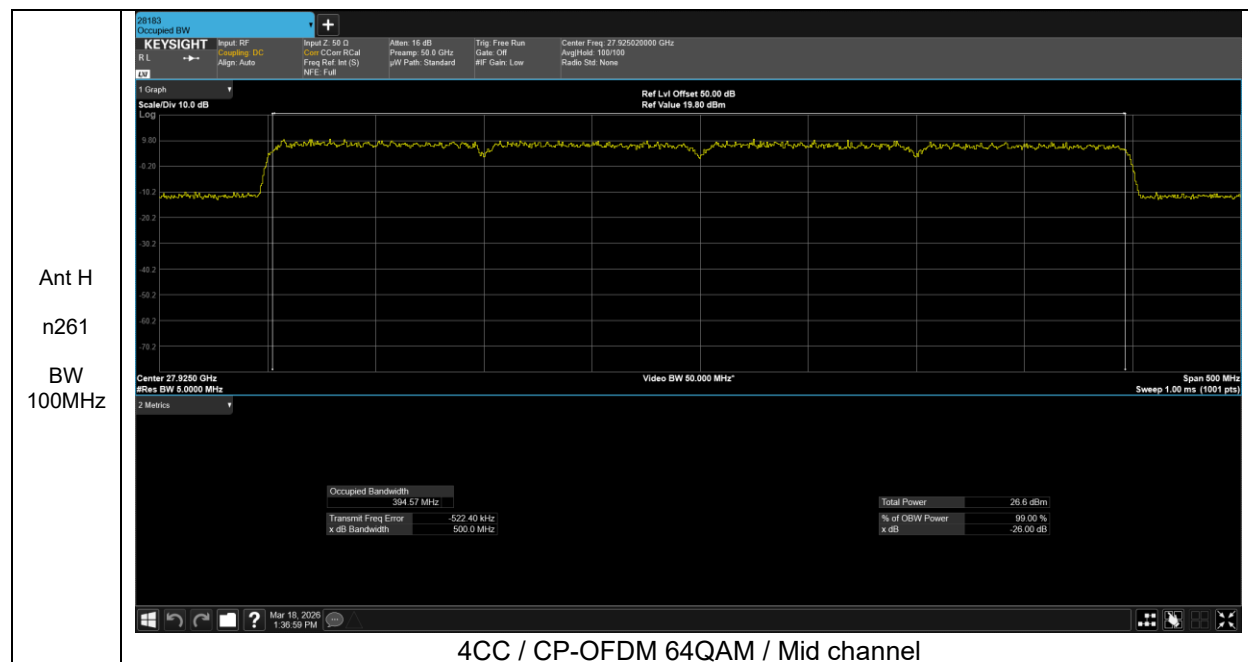




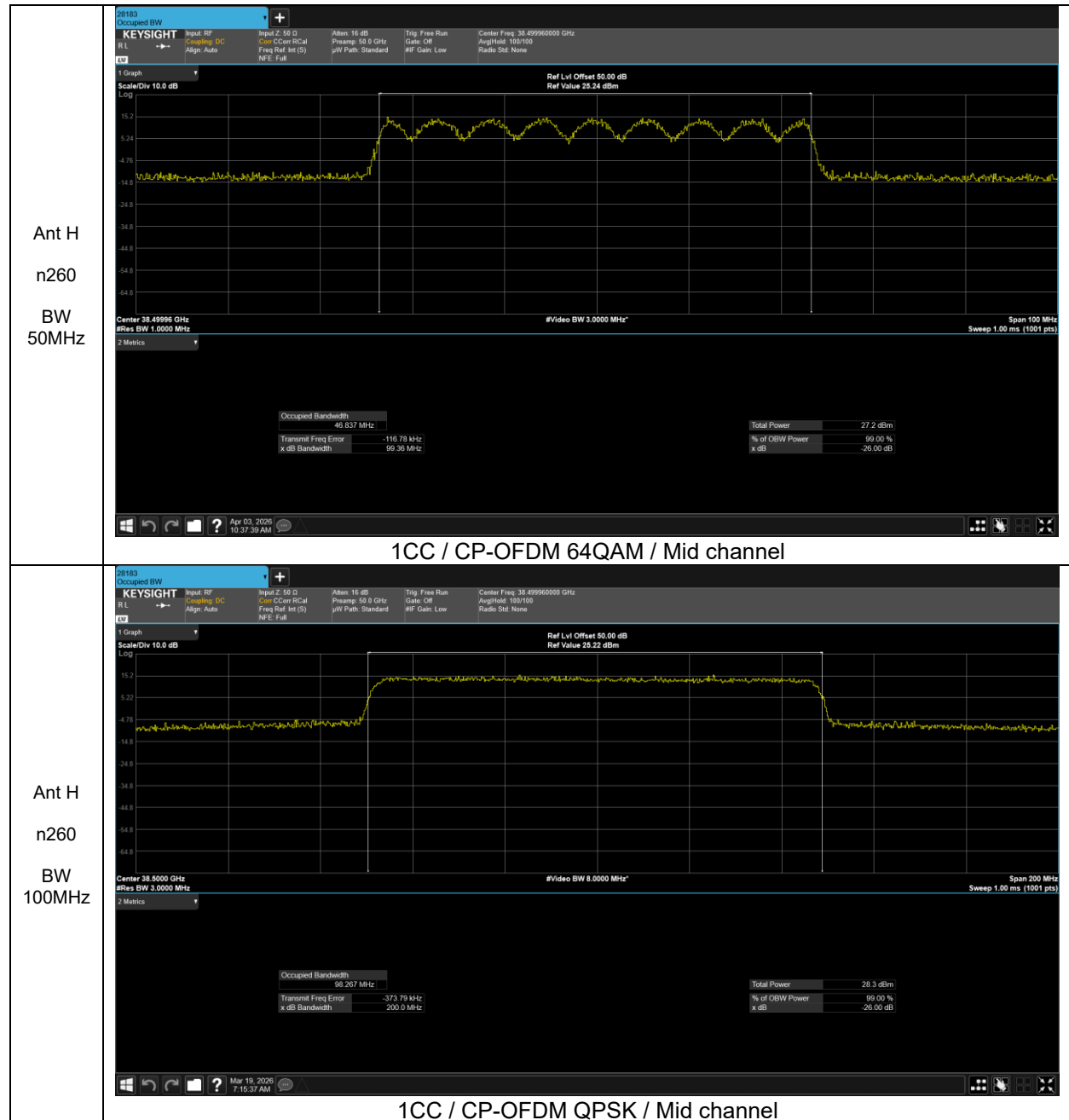
Antena 1 / Ant H / Band n261

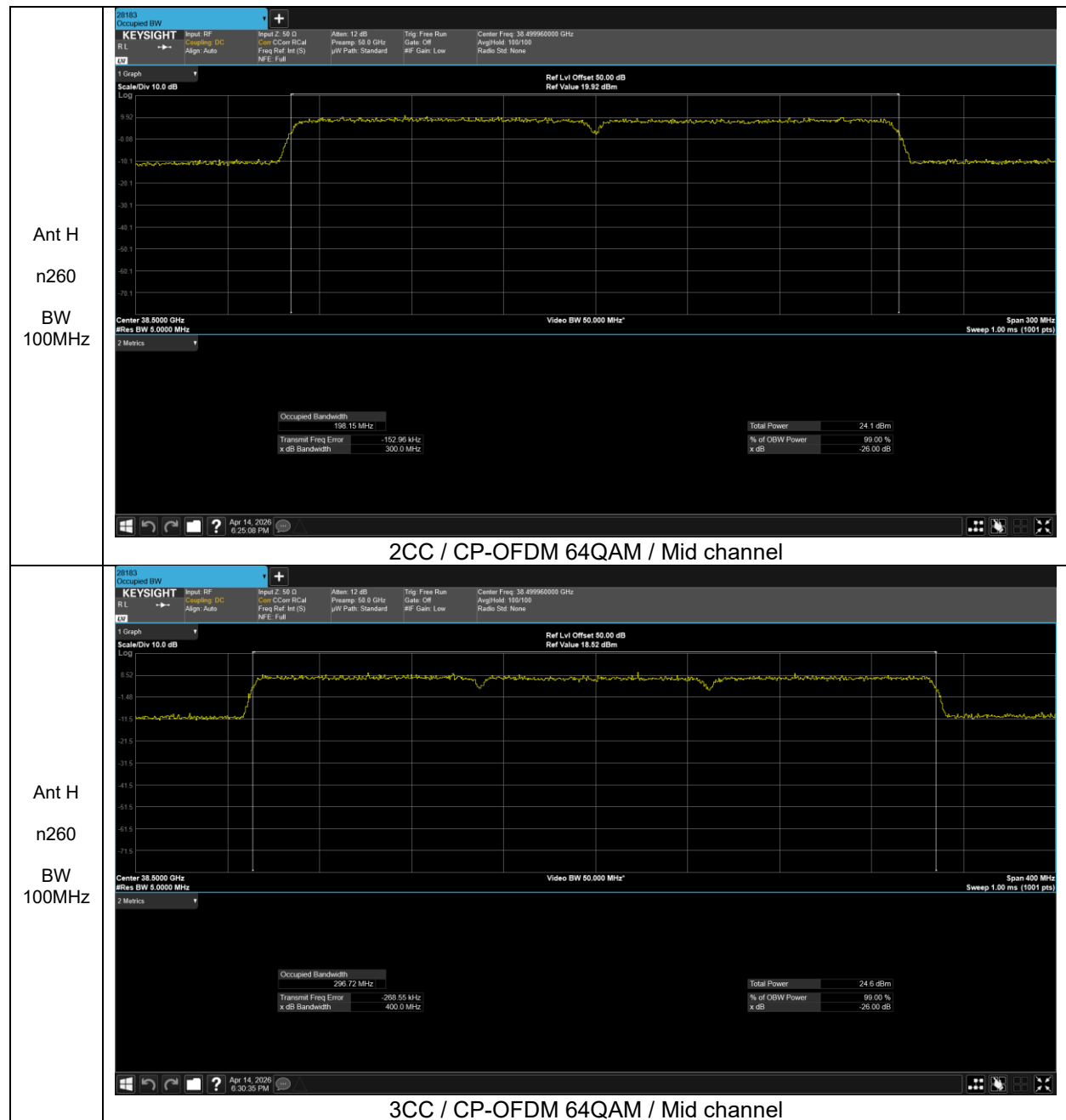


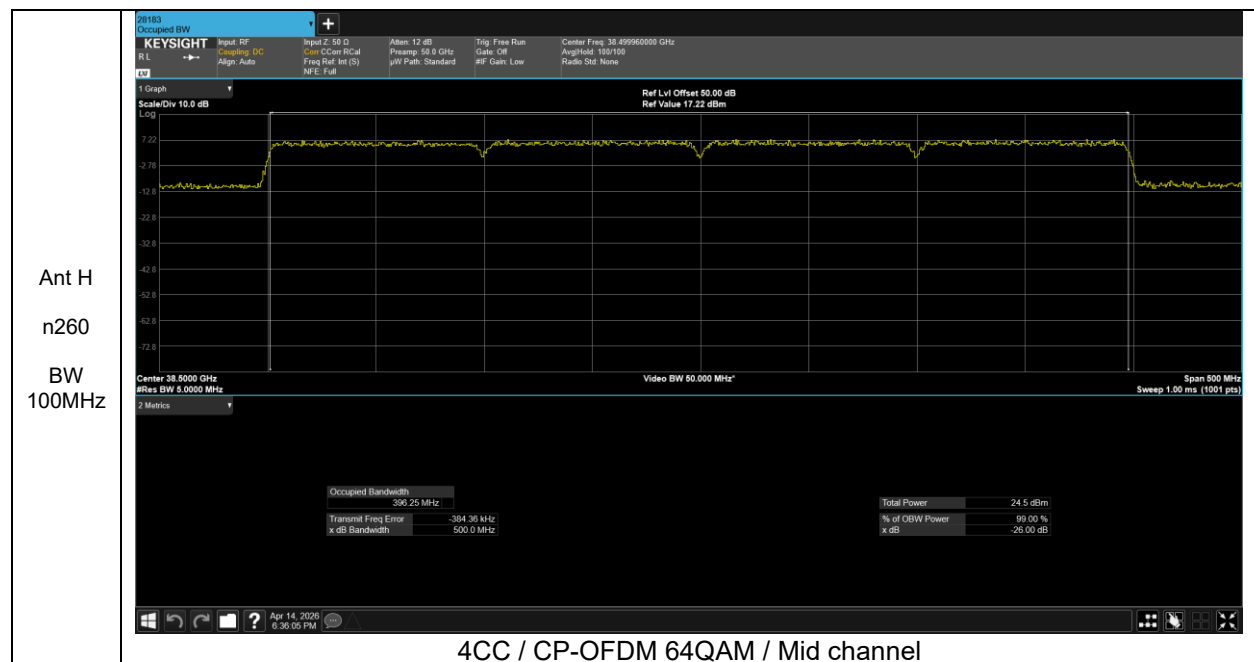




Antena 1 / Ant H / Band n260







8.2. EQUIVALENT ISOTROPIC RADIATED POWER

RULE PART(S)

FCC: §2.1046, §30.202

LIMITS

30.202 (b) - For mobile stations, the average power of the sum of all antenna elements is limited to a maximum EIRP of +43 dBm.

TEST PROCEDURE

Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.

- a) RBW = 1 – 5% of the OBW, not to exceed 1MHz
- b) VBW $\geq 3 \times$ RBW
- c) Span = 2x to 3x the OBW
- d) number of measurement points in sweep $> 2 \times$ span / RBW
- e) Sweep time = auto-couple
- f) Detector = RMS
- g) Trace mode = average over 100 sweeps

(KDB 842590 D01 Upper Microwave Flexible Use Service v01r02 Section 4.2)
(ANSI C63.26-2015 Section 5.2.4.4.1)

Note

EIRP measurements were taken at 3m test distance.
The EUT's transmission signal was a 100% continuous signal in FTM mode.

Elements within the same antenna array are correlated to produce beamforming array gain. During testing, only one antenna array was active.

The average EIRP reported below is calculated per section 5.2.7 of ANSI C63.26-2015 which states:
 $EIRP \text{ (dBm)} = E \text{ (dB } \mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in meter.

The field strength E is calculated $E \text{ (dB } \mu\text{V/m)} = \text{Spectrum Analyzer Channel Power Level (dBm)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107$.

Radiated power levels are investigated while the receive antenna was rotated through all angles to determine the worst case polarization/positioning.

In order properly display of signal level on the plots, the pre-loaded correction factors were intentional lowered by 50 dB and an offset factor of 50 dB was applied on spectrum analyzer to compensate the true correction factors across frequency range of measurement.

The manufacturer provided EIRP simulation data for all supported Beam IDs across H and V polarization groups, as well as for H+V Beam ID pairs used in SISO-Dual and MIMO operation. Based on these simulation results, a minimum of three high-EIRP Beam IDs were selected from each polarization group (H and V individually) and verified through EIRP measurements for SISO testing. For SISO-Dual and MIMO modes, a minimum of three high-EIRP H+V Beam ID pairs were selected from the paired simulation data and verified through EIRP measurements. The Beam ID (or Beam ID pair) yielding the highest measured EIRP was subsequently used for all corresponding test cases.

For H patch antenna was $\pi/2$ -BPSK, QPSK, 16QAM and 64QAM modulations were all investigated in SISO, SISO-Dual and MIMO configurations. Full data is provided for those combinations. Single RB (highest power) and full RB allocations were measured, but worst RB allocation was reported.

5G NR: All Waveforms (CP-OFDM vs DFT-s OFDM) 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.

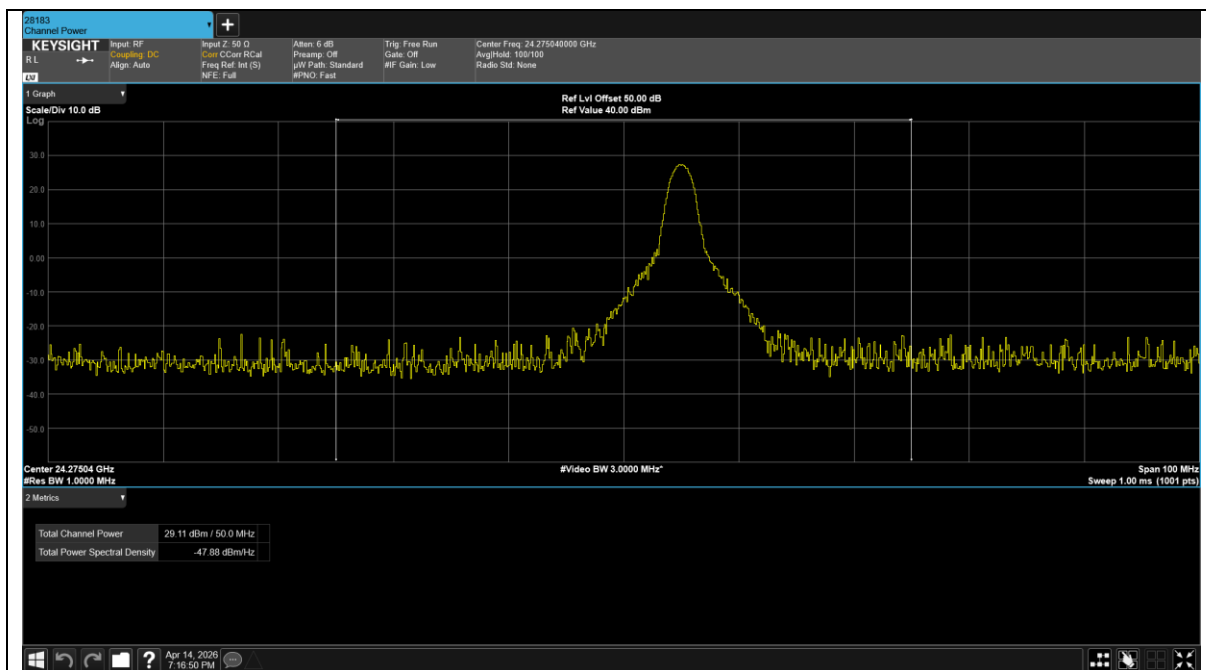
RESULTS

8.2.1. EIRP Results

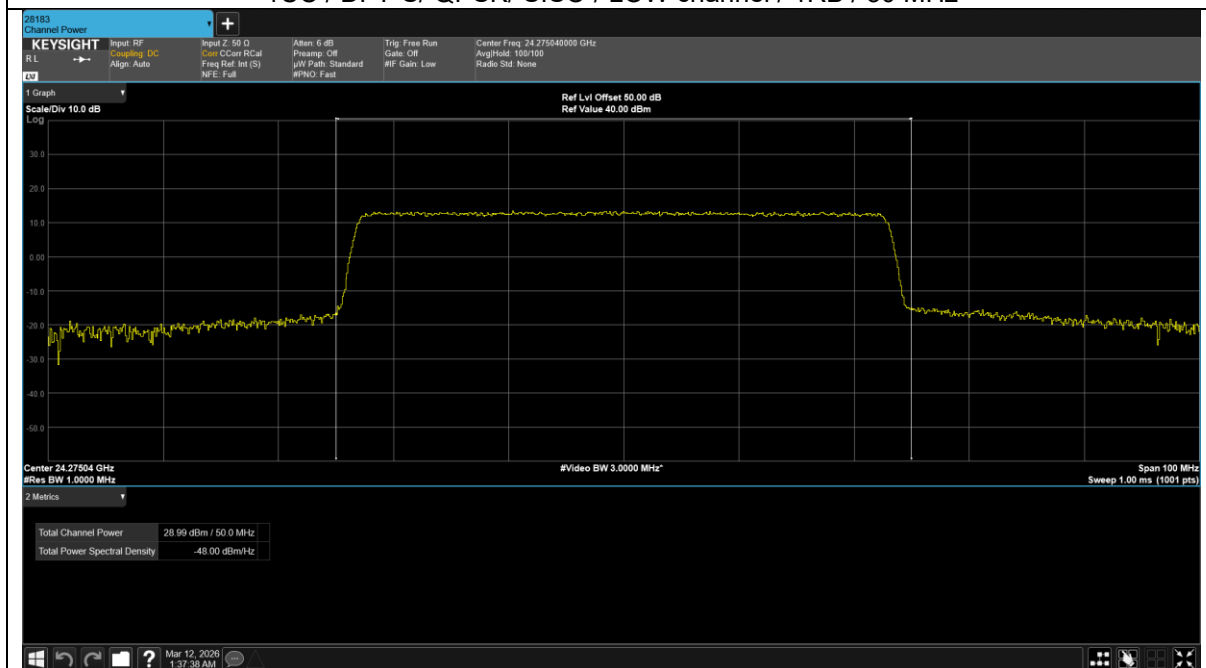
Antenna 1 / Ant H / Band n258 SB1

Test Case	OFDM	NR Band	Antenna	BW(MHz)	CCs	Mod	Tx Type	Freq(MHz)	Beam ID	Beam Pol	Ant Pol	RB	Result (dBm)
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO	24275.04	274	H	V	1_19	29.11
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO	24350.04	269	H	V	1_11	28.67
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO	24425.04	269	H	V	1_19	28.22
EIRP	DFT-s	n258SB1	ANT H	50	1CC	BPSK	SISO	24275.04	274	H	V	1_19	28.71
EIRP	DFT-s	n258SB1	ANT H	50	1CC	16QAM	SISO	24275.04	274	H	V	1_19	28.70
EIRP	DFT-s	n258SB1	ANT H	50	1CC	64QAM	SISO	24275.04	274	H	V	1_19	25.69
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO	24275.04	274	H	V	32_0	28.99
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO	24350.04	269	H	V	32_0	28.68
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO	24425.04	269	H	V	32_0	28.33
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO	24300	274	H	V	1_22	29.03
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO	24350.04	274	H	V	1_43	29.10
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO	24400.02	269	H	V	1_42	28.70
EIRP	DFT-s	n258SB1	ANT H	100	1CC	BPSK	SISO	24300	274	H	V	1_22	28.99
EIRP	DFT-s	n258SB1	ANT H	100	1CC	16QAM	SISO	24300	274	H	V	1_22	29.07
EIRP	DFT-s	n258SB1	ANT H	100	1CC	64QAM	SISO	24300	274	H	V	1_22	26.00
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO	24300	274	H	V	64_0	29.02
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO	24350.04	274	H	V	64_0	29.00
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO	24400.02	269	H	V	64_0	28.76

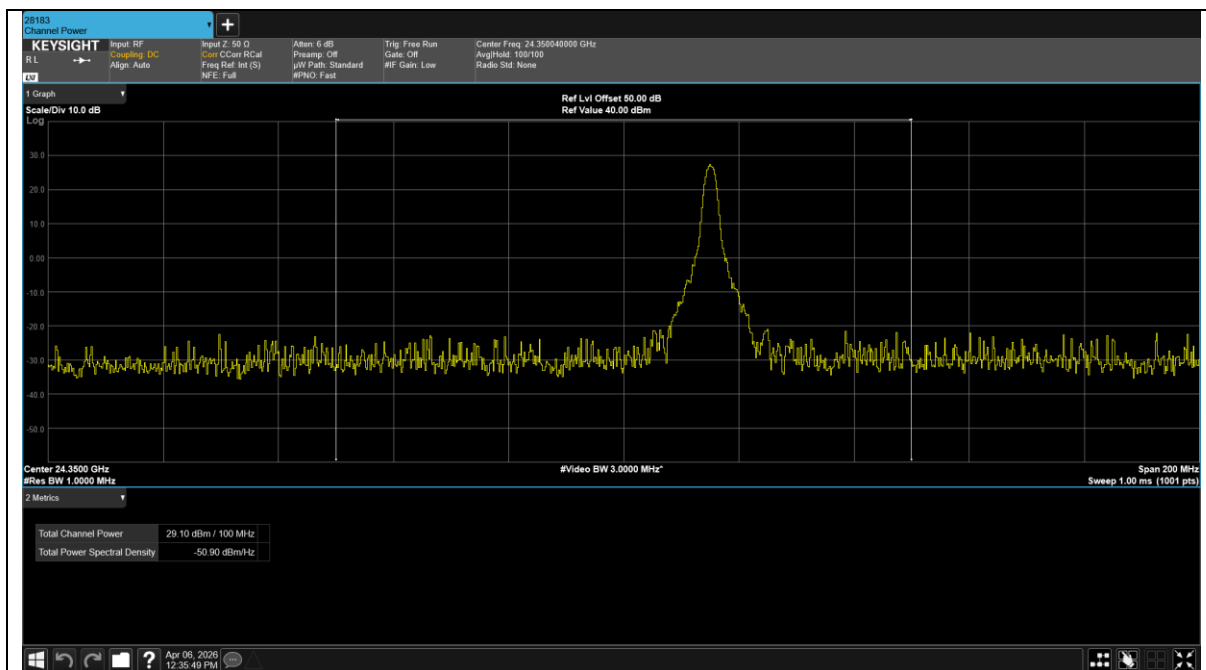
Test Case	OFDM	NR Band	Antenna	BW(MHz)	CCs	Mod	Tx Type	Freq(MHz)	Beam ID	Beam Pol	RB	Result (dBm)
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO-Dual	24275.04	19+275	H+V	1_16	29.93
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO-Dual	24350.04	19+275	H+V	1_16	29.83
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO-Dual	24425.04	19+275	H+V	1_11	30.08
EIRP	DFT-s	n258SB1	ANT H	50	1CC	BPSK	SISO-Dual	24425.04	19+275	H+V	1_11	29.55
EIRP	DFT-s	n258SB1	ANT H	50	1CC	16QAM	SISO-Dual	24425.04	19+275	H+V	1_11	29.55
EIRP	DFT-s	n258SB1	ANT H	50	1CC	64QAM	SISO-Dual	24275.04	14+270	H+V	1_16	26.44
EIRP	CP	n258SB1	ANT H	50	1CC	QPSK	MIMO	24425.04	19+275	H+V	1_11	28.52
EIRP	CP	n258SB1	ANT H	50	1CC	16QAM	MIMO	24425.04	19+275	H+V	1_11	27.50
EIRP	CP	n258SB1	ANT H	50	1CC	64QAM	MIMO	24275.04	14+270	H+V	1_16	23.40
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO-Dual	24275.04	19+275	H+V	32_0	28.67
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO-Dual	24350.04	19+275	H+V	32_0	28.11
EIRP	DFT-s	n258SB1	ANT H	50	1CC	QPSK	SISO-Dual	24425.04	19+275	H+V	32_0	28.64
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO-Dual	24300	19+275	H+V	1_33	30.51
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO-Dual	24350.04	19+275	H+V	1_33	30.63
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO-Dual	24400.02	19+275	H+V	1_33	30.43
EIRP	DFT-s	n258SB1	ANT H	100	1CC	BPSK	SISO-Dual	24350.04	19+275	H+V	1_33	31.20
EIRP	DFT-s	n258SB1	ANT H	100	1CC	16QAM	SISO-Dual	24300	19+275	H+V	1_33	30.61
EIRP	DFT-s	n258SB1	ANT H	100	1CC	64QAM	SISO-Dual	24350.04	19+275	H+V	1_33	27.91
EIRP	CP	n258SB1	ANT H	100	1CC	QPSK	MIMO	24350.04	19+275	H+V	1_33	29.97
EIRP	CP	n258SB1	ANT H	100	1CC	16QAM	MIMO	24350.04	19+275	H+V	1_33	28.83
EIRP	CP	n258SB1	ANT H	100	1CC	64QAM	MIMO	24350.04	19+275	H+V	1_33	24.92
EIRP	DFT-s	n258SB1	ANT H	100+100	2CC	QPSK	SISO-Dual	24349.98	19+275	H+V	1_33	21.83
EIRP	DFT-s	n258SB1	ANT H	100+100	2CC	BPSK	SISO-Dual	24349.98	19+275	H+V	1_33	23.11
EIRP	DFT-s	n258SB1	ANT H	100+100	2CC	16QAM	SISO-Dual	24349.98	19+275	H+V	1_33	27.12
EIRP	DFT-s	n258SB1	ANT H	100+100	2CC	64QAM	SISO-Dual	24349.98	19+275	H+V	1_33	26.99
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO-Dual	24300	19+275	H+V	64_0	29.23
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO-Dual	24350.04	19+275	H+V	64_0	29.14
EIRP	DFT-s	n258SB1	ANT H	100	1CC	QPSK	SISO-Dual	24400.02	19+275	H+V	64_0	28.73
EIRP	DFT-s	n258SB1	ANT H	100+100	2CC	QPSK	SISO-Dual	24349.98	19+275	H+V	64_0	28.96
EIRP	DFT-s	n258SB1	ANT H	100+100	2CC	BPSK	SISO-Dual	24349.98	19+275	H+V	64_0	28.63
EIRP	DFT-s	n258SB1	ANT H	100+100	2CC	16QAM	SISO-Dual	24349.98	19+275	H+V	64_0	28.17
EIRP	DFT-s	n258SB1	ANT H	100+100	2CC	64QAM	SISO-Dual	24349.98	19+275	H+V	64_0	25.49



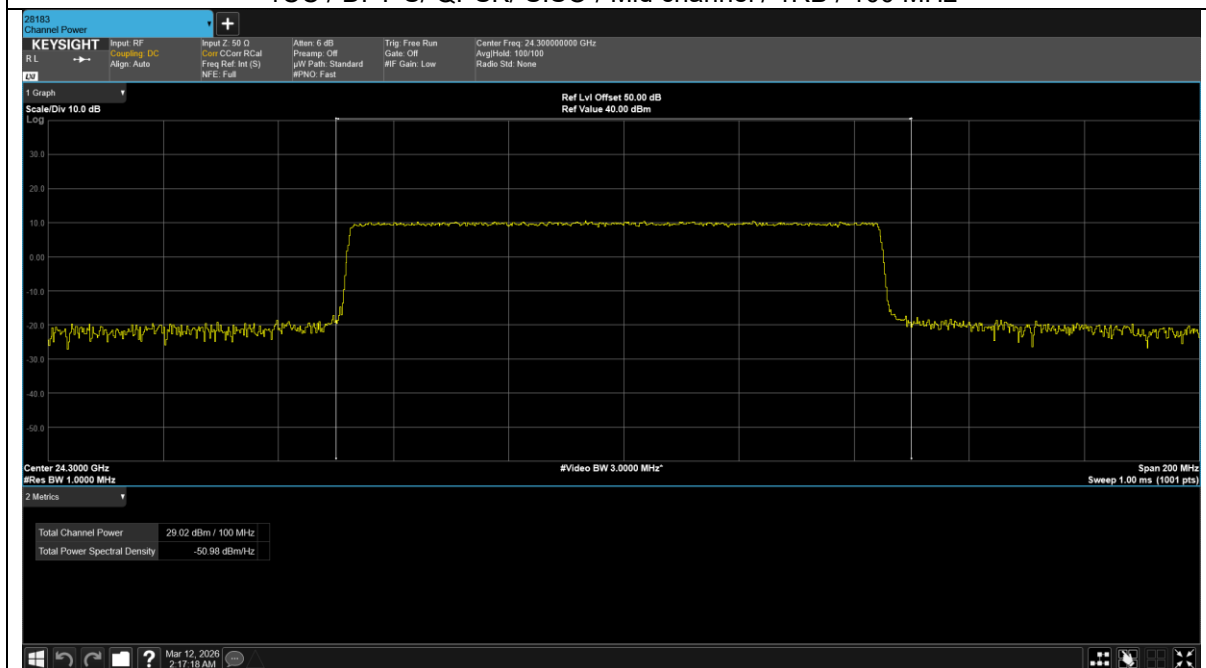
1CC / DFT-S/ QPSK/ SISO / LOW channel / 1RB / 50 MHz



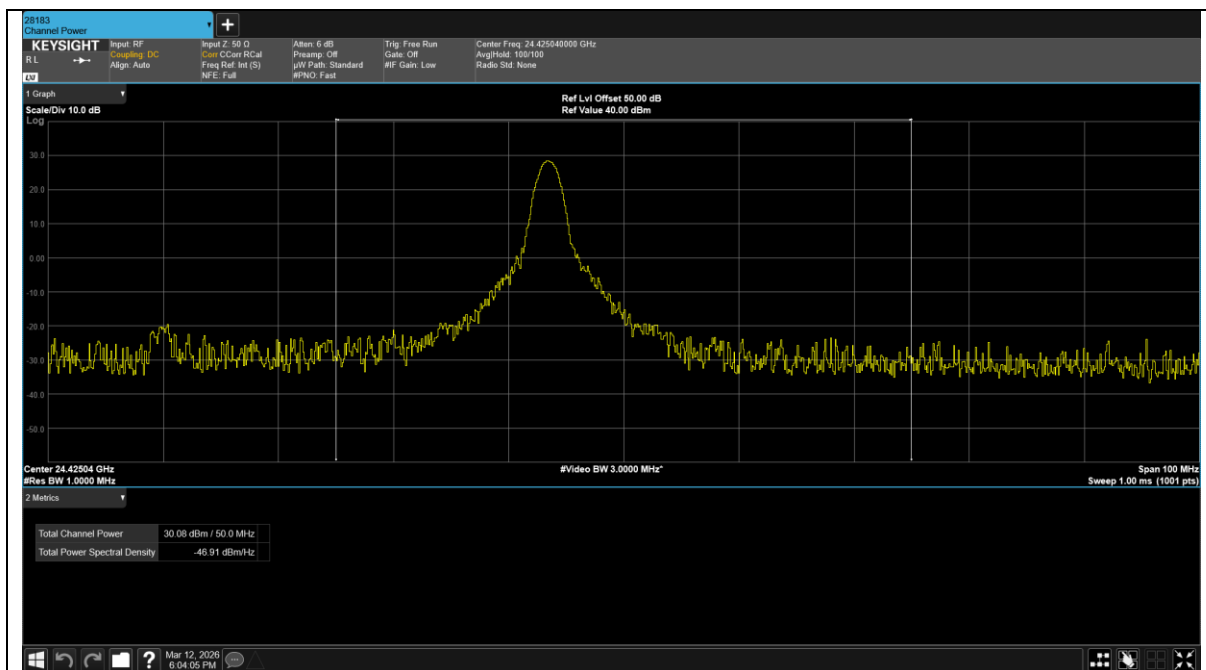
1CC / DFT-S/ QPSK/ SISO / Low channel / Full RB / 50 MHz



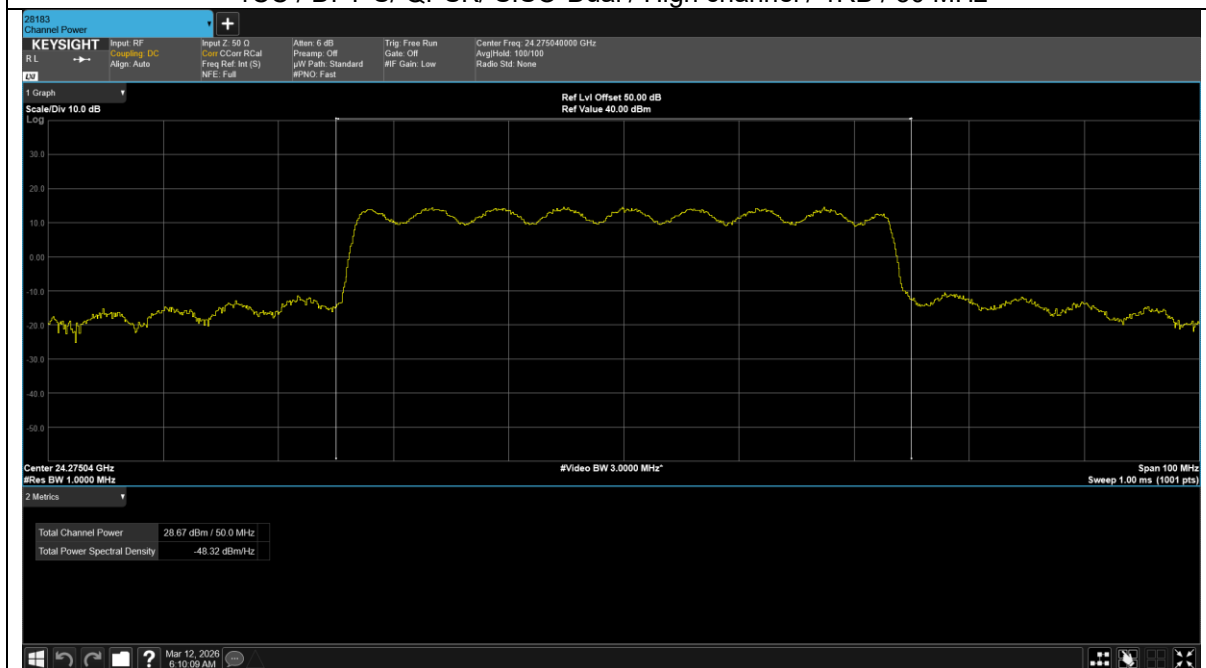
1CC / DFT-S/ QPSK/ SISO / Mid channel / 1RB / 100 MHz



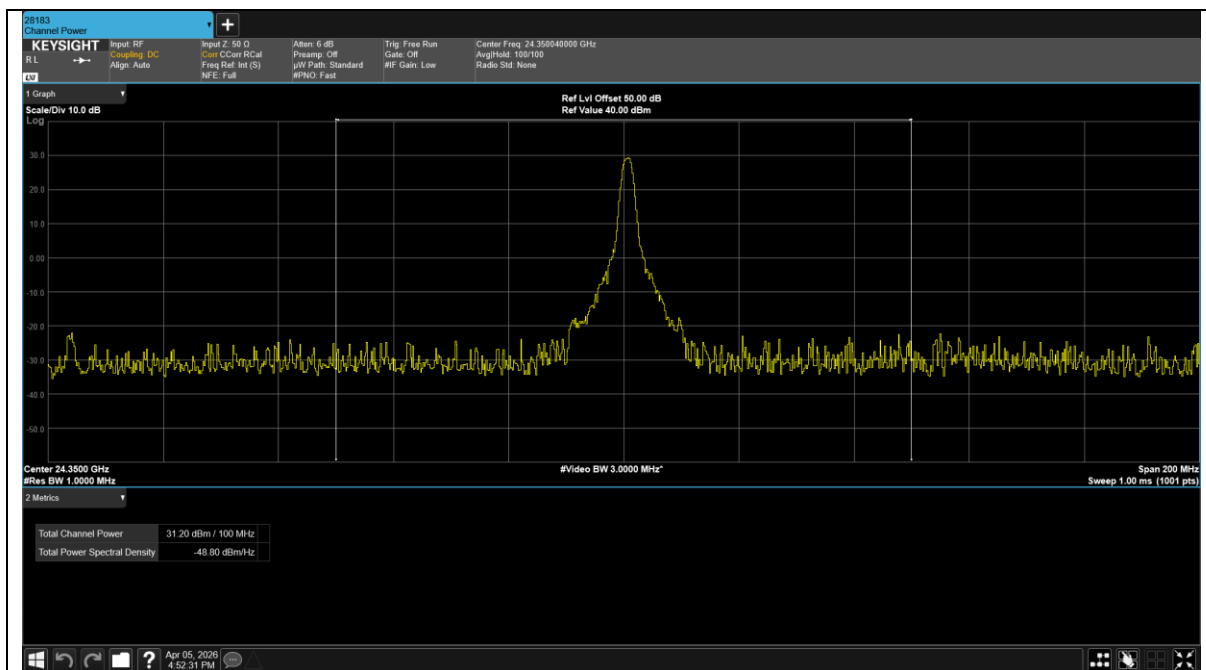
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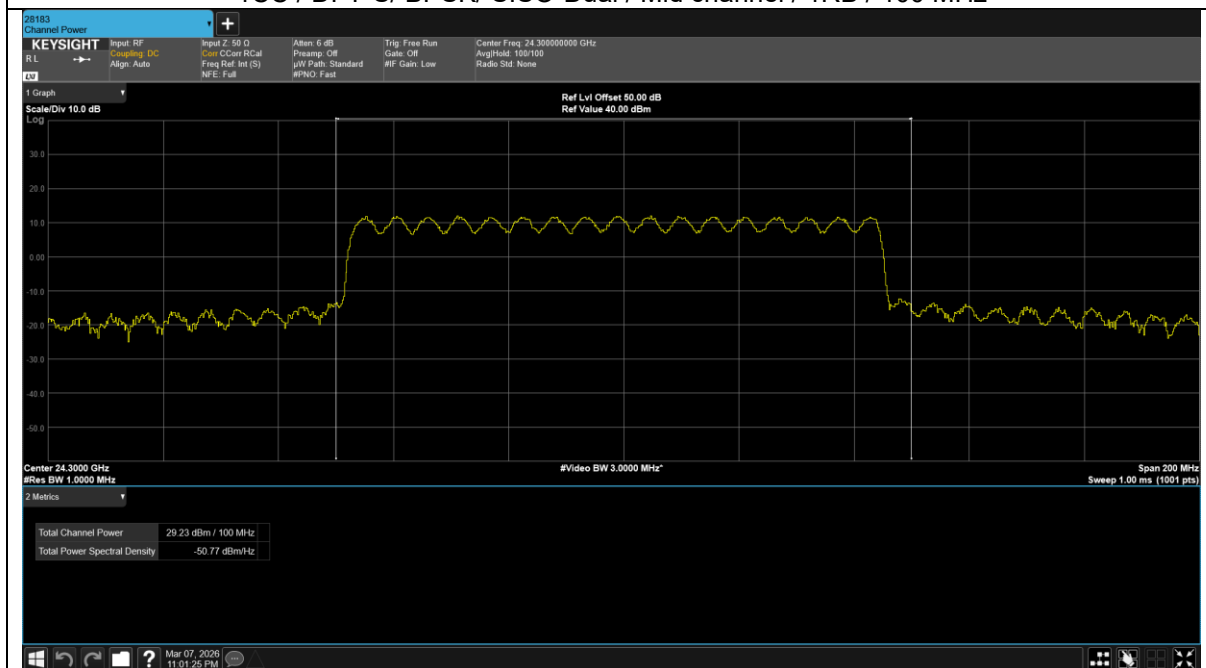
1CC / DFT-S/ QPSK/ SISO-Dual / High channel / 1RB / 50 MHz



1CC / DFT-S/ QPSK/ SISO-Dual / Low channel / Full RB / 50 MHz



1CC / DFT-S/ BPSK/ SISO-Dual / Mid channel / 1RB / 100 MHz

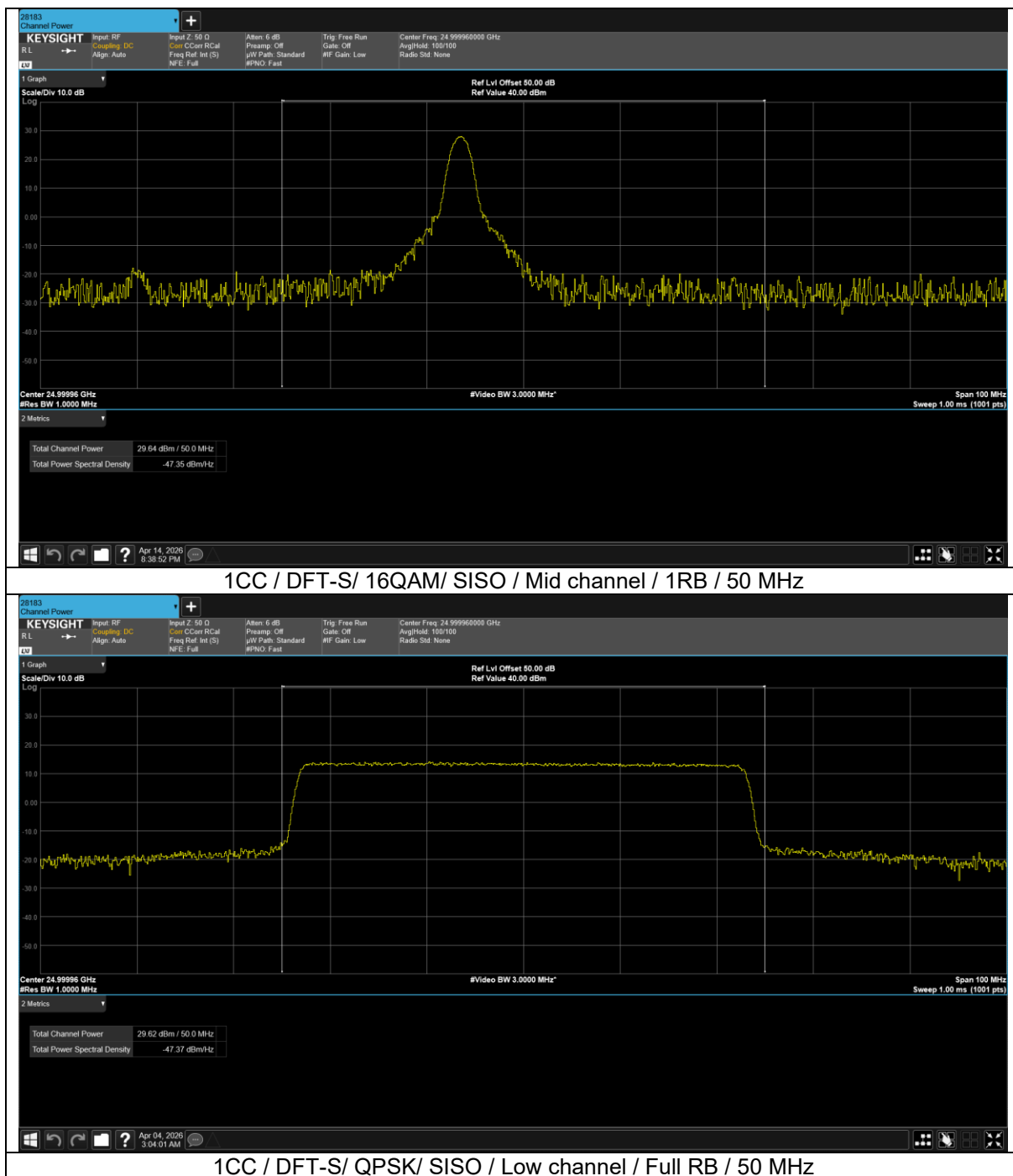


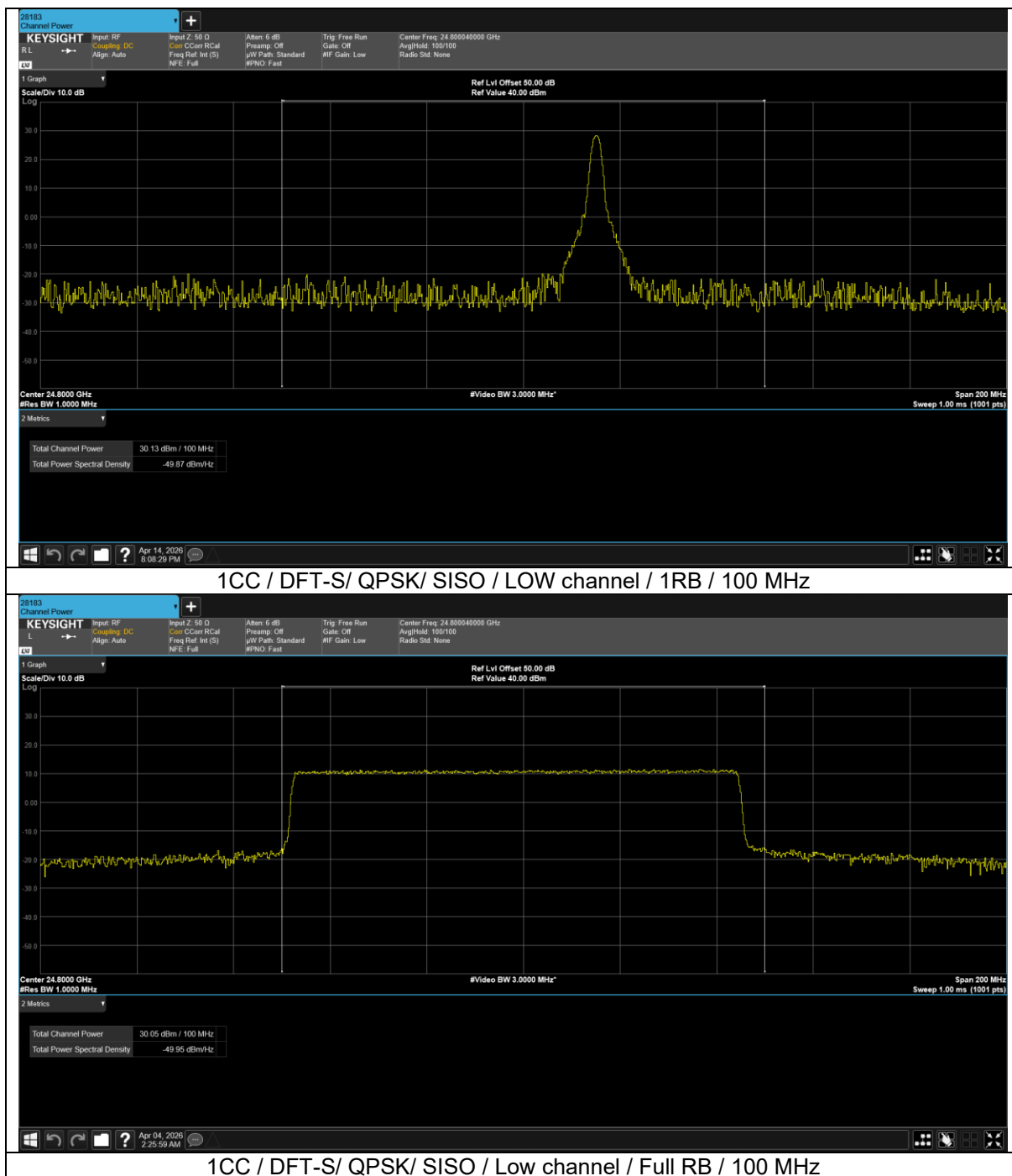
1CC / DFT-S/ QPSK/ SISO-Dual / Low channel / Full RB / 100 MHz

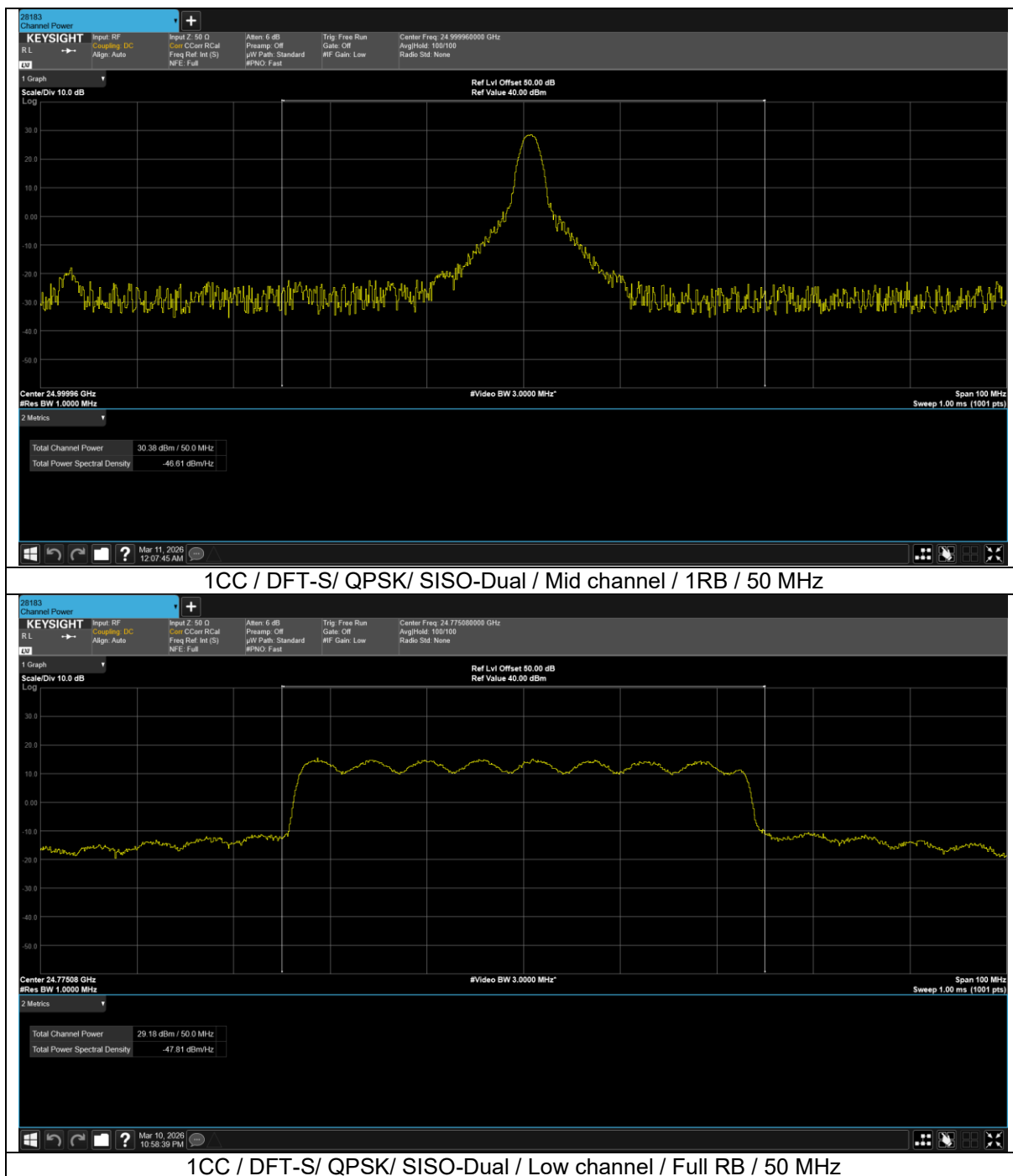
Antenna 1 / Ant H / Band n258 SB2

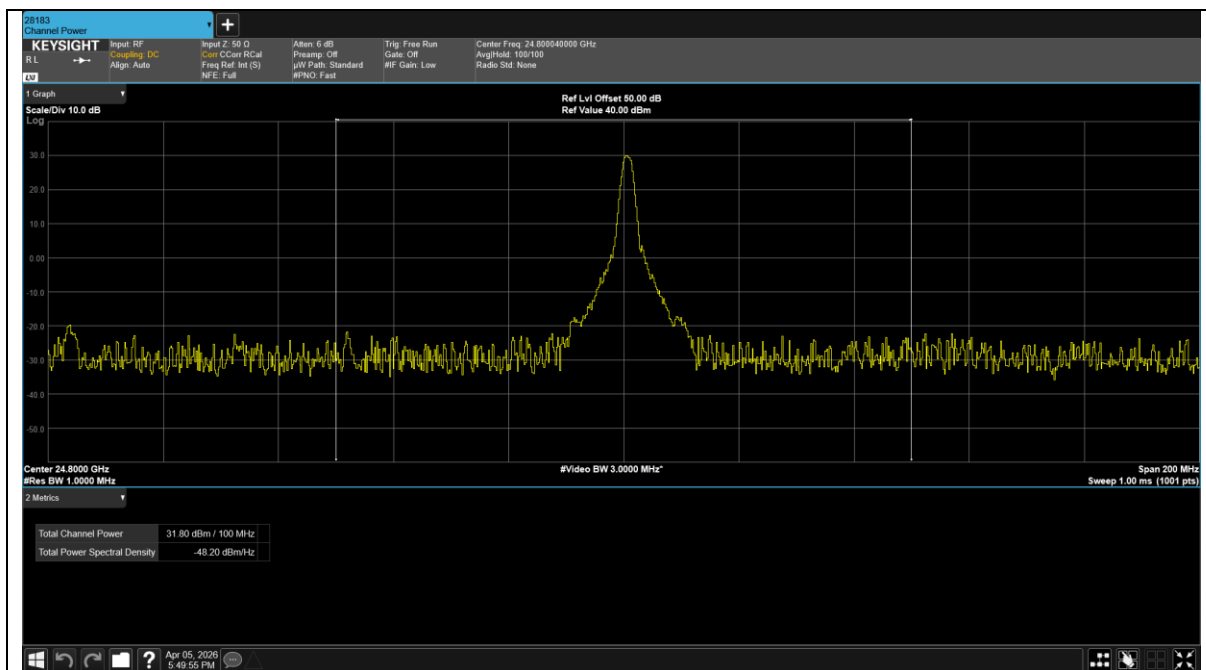
Test Case	OFDM	NR Band	Antenna	BW(MHz)	CCs	Mod	Tx Type	Freq(MHz)	Beam ID	Beam Pol	Ant Pol	RB	Result (dBm)
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO	24775.08	271	H	V	1_19	29.44
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO	24999.96	271	H	V	1_11	29.64
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO	25224.96	271	H	V	1_19	29.06
EIRP	DFT-s	n258SB2	ANT H	50	1CC	BPSK	SISO	24999.96	271	H	V	1_11	28.99
EIRP	DFT-s	n258SB2	ANT H	50	1CC	16QAM	SISO	24999.96	271	H	V	1_11	28.98
EIRP	DFT-s	n258SB2	ANT H	50	1CC	64QAM	SISO	24999.96	271	H	V	1_11	26.06
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO	24775.08	271	H	V	32_0	29.48
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO	24999.96	271	H	V	32_0	29.62
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO	25224.96	271	H	V	32_0	29.09
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO	24800.04	271	H	V	1_43	30.13
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO	24999.96	270	H	V	1_22	29.33
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO	25200	271	H	V	1_43	29.70
EIRP	CP	n258SB2	ANT H	100	1CC	QPSK	SISO	24800.04	271	H	V	1_43	28.98
EIRP	CP	n258SB2	ANT H	100	1CC	16QAM	SISO	24800.04	271	H	V	1_43	27.91
EIRP	CP	n258SB2	ANT H	100	1CC	64QAM	SISO	24800.04	271	H	V	1_43	23.91
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO	24800.04	271	H	V	64_0	30.05
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO	24999.96	270	H	V	64_0	29.33
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO	25200	271	H	V	64_0	29.72

Test Case	OFDM	NR Band	Antenna	BW(MHz)	CCs	Mod	Tx Type	Freq(MHz)	Beam ID	Beam Pol	RB	Result (dBm)
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO-Dual	24775.08	18+274	H+V	1_16	30.34
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO-Dual	24999.96	18+274	H+V	1_16	30.38
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO-Dual	25224.96	18+274	H+V	1_16	30.23
EIRP	DFT-s	n258SB2	ANT H	50	1CC	BPSK	SISO-Dual	24999.96	18+274	H+V	1_16	30.19
EIRP	DFT-s	n258SB2	ANT H	50	1CC	16QAM	SISO-Dual	24999.96	18+274	H+V	1_16	30.14
EIRP	DFT-s	n258SB2	ANT H	50	1CC	64QAM	SISO-Dual	24999.96	18+274	H+V	1_16	26.99
EIRP	CP	n258SB2	ANT H	50	1CC	QPSK	MIMO	24999.96	18+274	H+V	1_16	28.46
EIRP	CP	n258SB2	ANT H	50	1CC	16QAM	MIMO	24999.96	18+274	H+V	1_16	28.19
EIRP	CP	n258SB2	ANT H	50	1CC	64QAM	MIMO	24999.96	18+274	H+V	1_16	24.20
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO-Dual	24775.08	18+274	H+V	32_0	29.18
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO-Dual	24999.96	18+274	H+V	32_0	28.65
EIRP	DFT-s	n258SB2	ANT H	50	1CC	QPSK	SISO-Dual	25224.96	15+271	H+V	32_0	28.61
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO-Dual	24800.04	15+271	H+V	1_33	31.49
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO-Dual	24999.96	19+275	H+V	1_33	30.32
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO-Dual	25200	18+274	H+V	1_33	30.94
EIRP	DFT-s	n258SB2	ANT H	100	1CC	BPSK	SISO-Dual	24800.04	15+271	H+V	1_33	31.80
EIRP	DFT-s	n258SB2	ANT H	100	1CC	16QAM	SISO-Dual	24800.04	15+271	H+V	1_33	31.76
EIRP	DFT-s	n258SB2	ANT H	100	1CC	64QAM	SISO-Dual	24800.04	15+271	H+V	1_33	28.87
EIRP	CP	n258SB2	ANT H	100	1CC	QPSK	MIMO	24800.04	15+271	H+V	1_33	30.78
EIRP	CP	n258SB2	ANT H	100	1CC	16QAM	MIMO	24800.04	15+271	H+V	1_33	29.64
EIRP	CP	n258SB2	ANT H	100	1CC	64QAM	MIMO	24800.04	18+274	H+V	1_33	24.56
EIRP	DFT-s	n258SB2	ANT H	100+100	2CC	QPSK	SISO-Dual	24850.02	15+271	H+V	1_33	23.84
EIRP	DFT-s	n258SB2	ANT H	100+100	2CC	BPSK	SISO-Dual	24850.02	18+274	H+V	1_33	24.29
EIRP	DFT-s	n258SB2	ANT H	100+100	2CC	16QAM	SISO-Dual	24850.02	18+274	H+V	1_33	23.76
EIRP	DFT-s	n258SB2	ANT H	100+100	2CC	64QAM	SISO-Dual	24850.02	15+271	H+V	1_33	23.60
EIRP	DFT-s	n258SB2	ANT H	100+100+100	3CC	QPSK	SISO-Dual	24900	15+271	H+V	1_33	23.31
EIRP	DFT-s	n258SB2	ANT H	100+100+100	3CC	BPSK	SISO-Dual	24900	18+274	H+V	1_33	23.81
EIRP	DFT-s	n258SB2	ANT H	100+100+100	3CC	16QAM	SISO-Dual	24900	15+271	H+V	1_33	23.39
EIRP	DFT-s	n258SB2	ANT H	100+100+100	3CC	64QAM	SISO-Dual	24900	18+274	H+V	1_33	23.78
EIRP	DFT-s	n258SB2	ANT H	100+100+100+100	4CC	QPSK	SISO-Dual	24949.98	15+271	H+V	1_33	22.77
EIRP	DFT-s	n258SB2	ANT H	100+100+100+100	4CC	BPSK	SISO-Dual	24949.98	18+274	H+V	1_33	22.97
EIRP	DFT-s	n258SB2	ANT H	100+100+100+100	4CC	16QAM	SISO-Dual	24949.98	18+274	H+V	1_33	22.91
EIRP	DFT-s	n258SB2	ANT H	100+100+100+100	4CC	64QAM	SISO-Dual	24949.98	18+274	H+V	1_33	22.55
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO-Dual	24800.04	18+274	H+V	64_0	29.80
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO-Dual	24999.96	19+275	H+V	64_0	28.85
EIRP	DFT-s	n258SB2	ANT H	100	1CC	QPSK	SISO-Dual	25200	15+271	H+V	64_0	29.90
EIRP	DFT-s	n258SB2	ANT H	100+100	2CC	QPSK	SISO-Dual	24850.02	19+275	H+V	64_0	29.52
EIRP	DFT-s	n258SB2	ANT H	100+100	2CC	BPSK	SISO-Dual	24850.02	19+275	H+V	64_0	29.49
EIRP	DFT-s	n258SB2	ANT H	100+100	2CC	16QAM	SISO-Dual	24850.02	19+275	H+V	64_0	29.02
EIRP	DFT-s	n258SB2	ANT H	100+100	2CC	64QAM	SISO-Dual	24850.02	19+275	H+V	64_0	25.43
EIRP	DFT-s	n258SB2	ANT H	100+100+100	3CC	QPSK	SISO-Dual	24900	19+275	H+V	64_0	26.69
EIRP	DFT-s	n258SB2	ANT H	100+100+100	3CC	BPSK	SISO-Dual	24900	19+275	H+V	64_0	26.72
EIRP	DFT-s	n258SB2	ANT H	100+100+100	3CC	16QAM	SISO-Dual	24900	19+275	H+V	64_0	25.82
EIRP	DFT-s	n258SB2	ANT H	100+100+100	3CC	64QAM	SISO-Dual	24900	19+275	H+V	64_0	23.82
EIRP	DFT-s	n258SB2	ANT H	100+100+100+100	4CC	QPSK	SISO-Dual	24949.98	19+275	H+V	64_0	25.82
EIRP	DFT-s	n258SB2	ANT H	100+100+100+100	4CC	BPSK	SISO-Dual	24949.98	19+275	H+V	64_0	25.87
EIRP	DFT-s	n258SB2	ANT H	100+100+100+100	4CC	16QAM	SISO-Dual	24949.98	19+275	H+V	64_0	24.98
EIRP	DFT-s	n258SB2	ANT H	100+100+100+100	4CC	64QAM	SISO-Dual	24949.98	19+275	H+V	64_0	23.38

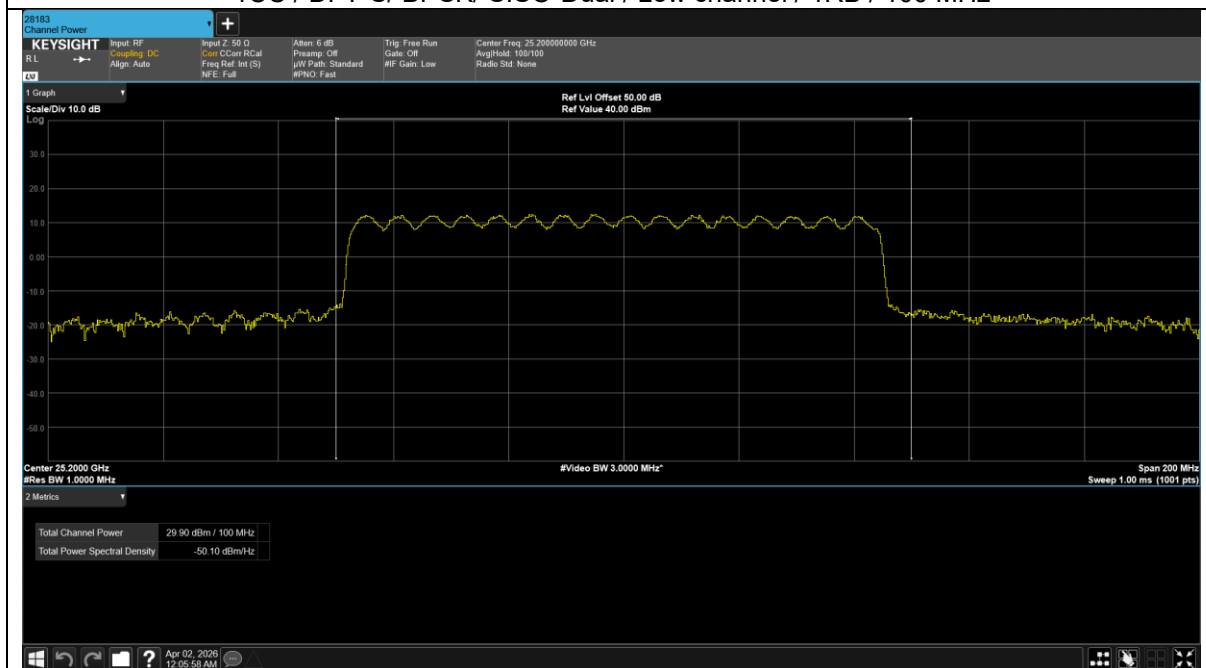








1CC / DFT-S/ BPSK/ SISO-Dual / Low channel / 1RB / 100 MHz

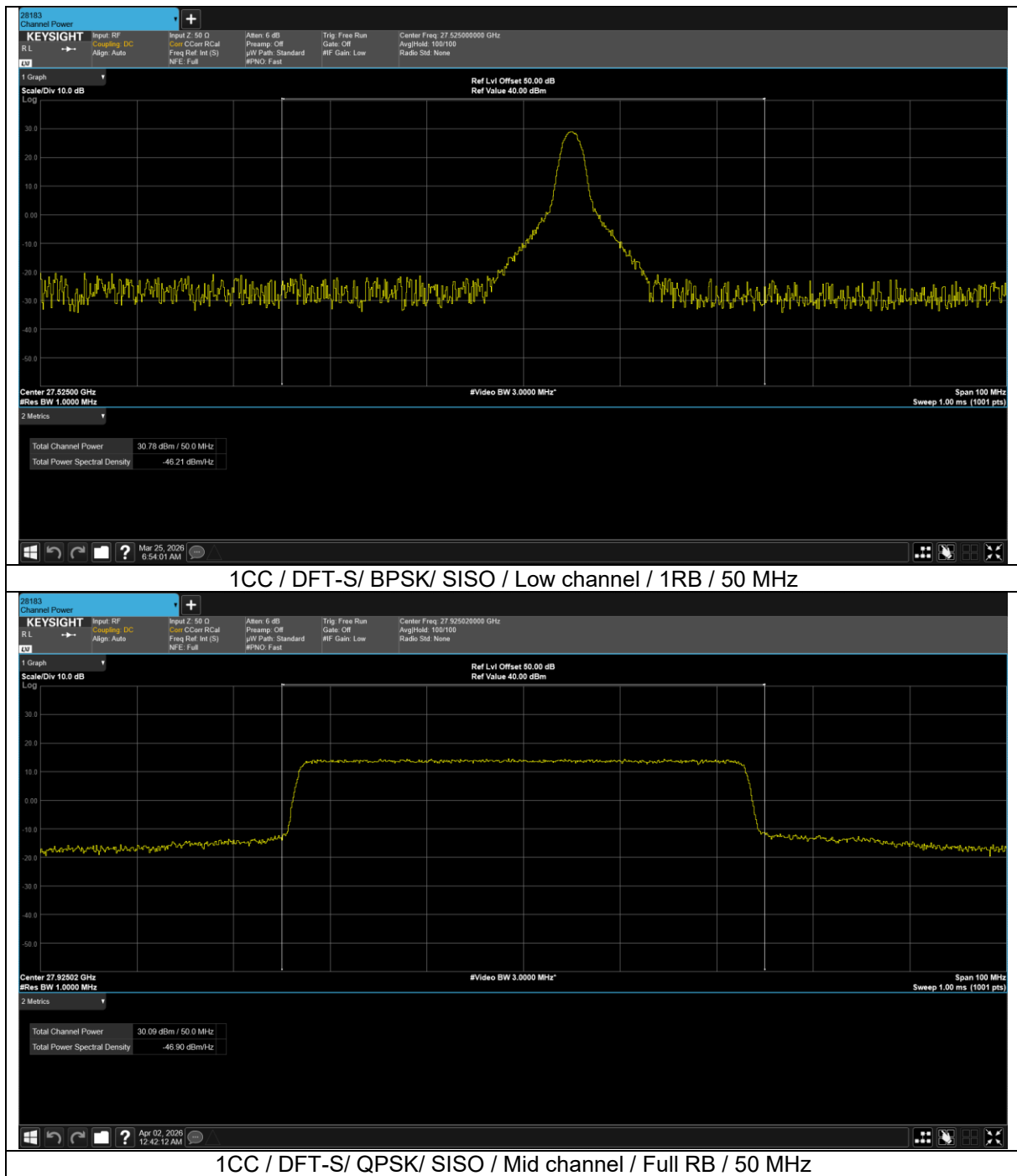


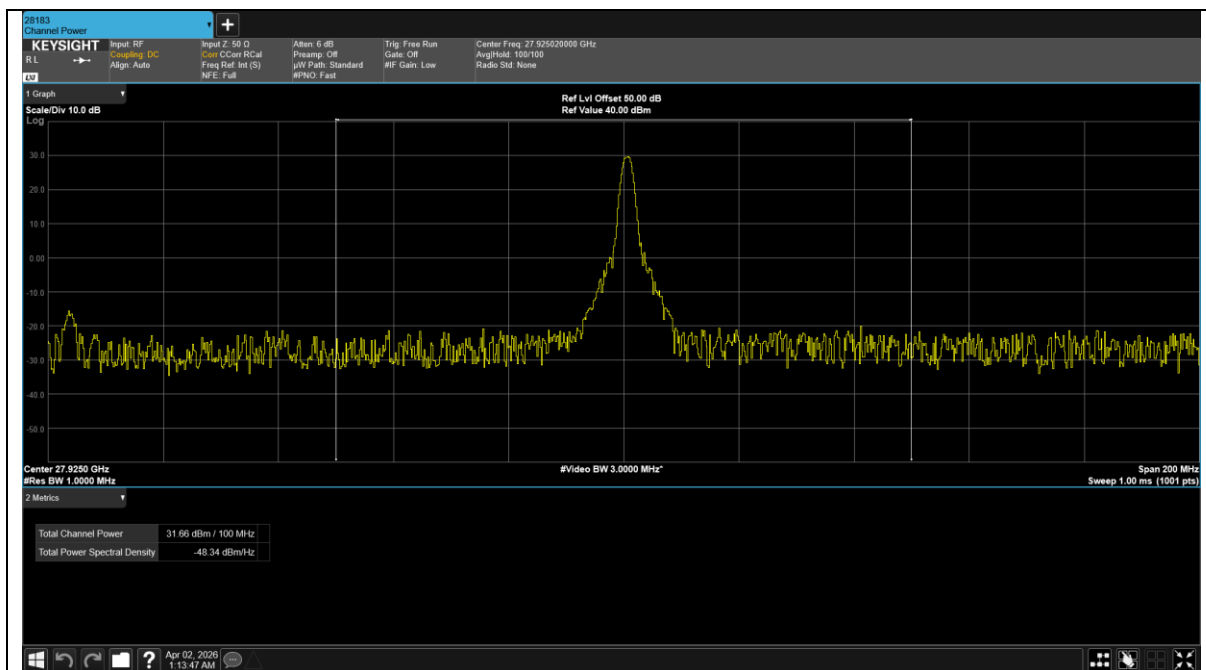
1CC / DFT-S/ QPSK/ SISO-Dual / High channel / Full RB / 100 MHz

Antenna 1 / Ant H / Band n261

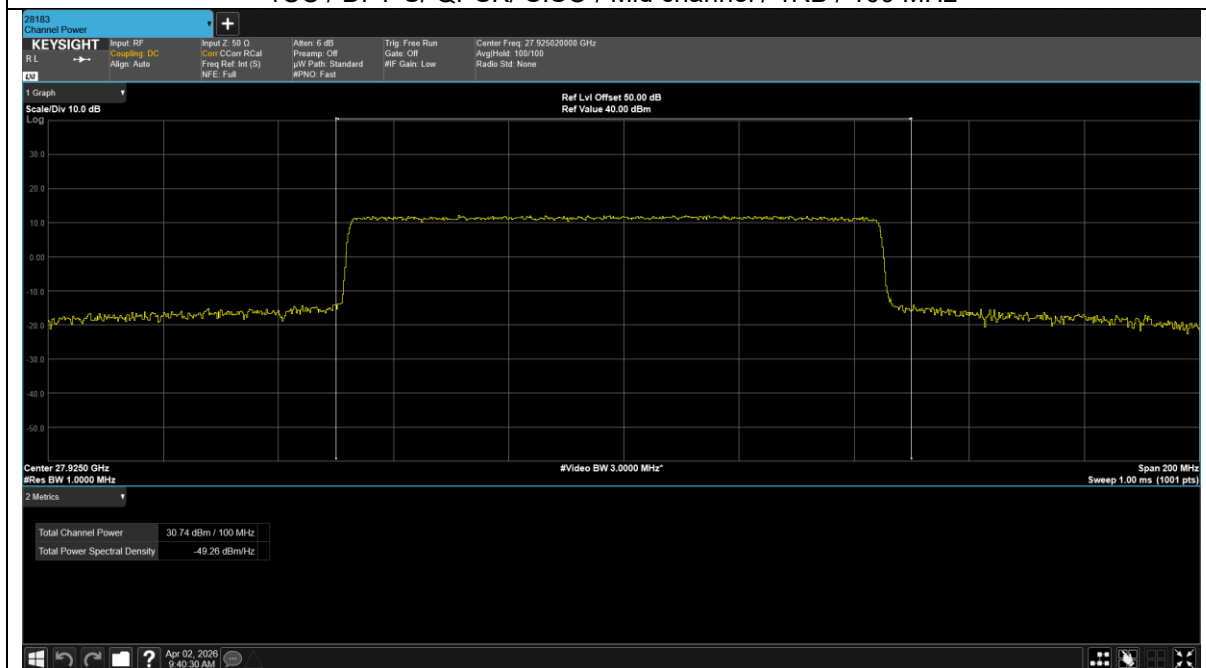
Test Case	OFDM	NR Band	Antenna	BW(MHz)	CCs	Mod	Tx Type	Freq(MHz)	Beam ID	Beam Pol	Ant Pol	RB	Result (dBm)
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO	27525	271	H	V	1_19	30.75
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO	27925.02	271	H	V	1_16	30.70
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO	28324.92	271	H	V	1_16	30.55
EIRP	DFT-S	n261	ANT H	50	1CC	BPSK	SISO	27525	271	H	V	1_19	30.78
EIRP	DFT-S	n261	ANT H	50	1CC	16QAM	SISO	27525	271	H	V	1_19	30.42
EIRP	DFT-S	n261	ANT H	50	1CC	64QAM	SISO	27525	271	H	V	1_19	27.29
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO	27525	271	H	V	32_0	30.07
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO	27925.02	271	H	V	32_0	30.09
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO	28324.92	271	H	V	32_0	30.02
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO	27550.08	271	H	V	1_22	31.38
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO	27925.02	271	H	V	1_33	31.66
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO	28299.96	271	H	V	1_33	31.21
EIRP	CP	n261	ANT H	100	1CC	QPSK	SISO	27925.02	271	H	V	1_33	30.25
EIRP	CP	n261	ANT H	100	1CC	16QAM	SISO	27925.02	271	H	V	1_33	29.60
EIRP	CP	n261	ANT H	100	1CC	64QAM	SISO	27925.02	271	H	V	1_33	25.42
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO	27550.08	271	H	V	64_0	30.65
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO	27925.02	271	H	V	64_0	30.74
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO	28299.96	271	H	V	64_0	30.55

Test Case	OFDM	NR Band	Antenna	BW(MHz)	CCs	Mod	Tx Type	Freq(MHz)	Beam ID	Beam Pol	RB	Result (dBm)
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO-Dual	27525	15+271	H+V	1_16	30.94
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO-Dual	27925.02	15+271	H+V	1_19	31.90
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO-Dual	28324.92	15+271	H+V	1_19	30.31
EIRP	DFT-S	n261	ANT H	50	1CC	BPSK	SISO-Dual	27925.02	15+271	H+V	1_19	30.70
EIRP	DFT-S	n261	ANT H	50	1CC	16QAM	SISO-Dual	27925.02	15+271	H+V	1_19	30.83
EIRP	DFT-S	n261	ANT H	50	1CC	64QAM	SISO-Dual	27925.02	15+271	H+V	1_19	28.13
EIRP	CP	n261	ANT H	50	1CC	QPSK	MIMO	27925.02	15+271	H+V	1_19	30.02
EIRP	CP	n261	ANT H	50	1CC	16QAM	MIMO	27925.02	15+271	H+V	1_19	29.18
EIRP	CP	n261	ANT H	50	1CC	64QAM	MIMO	27925.02	15+271	H+V	1_19	25.11
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO-Dual	27525	15+271	H+V	32_0	29.67
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO-Dual	27925.02	15+271	H+V	32_0	30.69
EIRP	DFT-s	n261	ANT H	50	1CC	QPSK	SISO-Dual	28324.92	15+271	H+V	32_0	30.44
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO-Dual	27550.08	13+269	H+V	1_33	31.91
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO-Dual	27925.02	15+271	H+V	1_43	32.51
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO-Dual	28299.96	14+270	H+V	1_43	33.12
EIRP	DFT-S	n261	ANT H	100	1CC	BPSK	SISO-Dual	27925.02	13+269	H+V	1_42	31.86
EIRP	DFT-S	n261	ANT H	100	1CC	16QAM	SISO-Dual	27925.02	15+271	H+V	1_43	32.10
EIRP	DFT-S	n261	ANT H	100	1CC	64QAM	SISO-Dual	27925.02	15+271	H+V	1_43	29.21
EIRP	CP	n261	ANT H	100	1CC	QPSK	MIMO	27925.02	15+271	H+V	1_43	31.39
EIRP	CP	n261	ANT H	100	1CC	16QAM	MIMO	28299.96	14+270	H+V	1_43	30.15
EIRP	CP	n261	ANT H	100	1CC	64QAM	MIMO	27925.02	15+271	H+V	1_43	26.51
EIRP	DFT-S	n261	ANT H	100+100	2CC	QPSK	SISO-Dual	27925.02	15+271	H+V	1_43	25.01
EIRP	DFT-S	n261	ANT H	100+100	2CC	BPSK	SISO-Dual	27925.02	15+271	H+V	1_43	25.06
EIRP	DFT-S	n261	ANT H	100+100	2CC	16QAM	SISO-Dual	27925.02	15+271	H+V	1_43	24.84
EIRP	DFT-S	n261	ANT H	100+100	2CC	64QAM	SISO-Dual	27925.02	15+271	H+V	1_43	25.12
EIRP	DFT-S	n261	ANT H	100+100+100	3CC	QPSK	SISO-Dual	27925.02	15+271	H+V	1_43	25.23
EIRP	DFT-S	n261	ANT H	100+100+100	3CC	BPSK	SISO-Dual	27925.02	15+271	H+V	1_43	25.42
EIRP	DFT-S	n261	ANT H	100+100+100	3CC	16QAM	SISO-Dual	27925.02	15+271	H+V	1_43	25.34
EIRP	DFT-S	n261	ANT H	100+100+100	3CC	64QAM	SISO-Dual	27925.02	15+271	H+V	1_43	25.48
EIRP	DFT-S	n261	ANT H	100+100+100+100	4CC	QPSK	SISO-Dual	27925.02	15+271	H+V	1_43	25.08
EIRP	DFT-S	n261	ANT H	100+100+100+100	4CC	BPSK	SISO-Dual	27925.02	15+271	H+V	1_43	24.95
EIRP	DFT-S	n261	ANT H	100+100+100+100	4CC	16QAM	SISO-Dual	27925.02	15+271	H+V	1_43	25.01
EIRP	DFT-S	n261	ANT H	100+100+100+100	4CC	64QAM	SISO-Dual	27925.02	15+271	H+V	1_43	25.30
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO-Dual	27550.08	15+271	H+V	64_0	29.88
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO-Dual	27925.02	15+271	H+V	64_0	31.49
EIRP	DFT-s	n261	ANT H	100	1CC	QPSK	SISO-Dual	28299.96	15+271	H+V	64_0	29.98
EIRP	DFT-S	n261	ANT H	100+100	2CC	QPSK	SISO-Dual	27925.02	15+271	H+V	64_0	30.68
EIRP	DFT-S	n261	ANT H	100+100	2CC	BPSK	SISO-Dual	27925.02	15+271	H+V	64_0	30.67
EIRP	DFT-S	n261	ANT H	100+100	2CC	16QAM	SISO-Dual	27925.02	15+271	H+V	64_0	30.21
EIRP	DFT-S	n261	ANT H	100+100	2CC	64QAM	SISO-Dual	27925.02	15+271	H+V	64_0	26.61
EIRP	DFT-S	n261	ANT H	100+100+100	3CC	QPSK	SISO-Dual	27925.02	15+271	H+V	64_0	29.25
EIRP	DFT-S	n261	ANT H	100+100+100	3CC	BPSK	SISO-Dual	27925.02	15+271	H+V	64_0	29.24
EIRP	DFT-S	n261	ANT H	100+100+100	3CC	16QAM	SISO-Dual	27925.02	15+271	H+V	64_0	28.27
EIRP	DFT-S	n261	ANT H	100+100+100	3CC	64QAM	SISO-Dual	27925.02	15+271	H+V	64_0	26.66
EIRP	DFT-S	n261	ANT H	100+100+100+100	4CC	QPSK	SISO-Dual	27925.02	15+271	H+V	64_0	29.08
EIRP	DFT-S	n261	ANT H	100+100+100+100	4CC	BPSK	SISO-Dual	27925.02	15+271	H+V	64_0	29.05
EIRP	DFT-S	n261	ANT H	100+100+100+100	4CC	16QAM	SISO-Dual	27925.02	15+271	H+V	64_0	28.14
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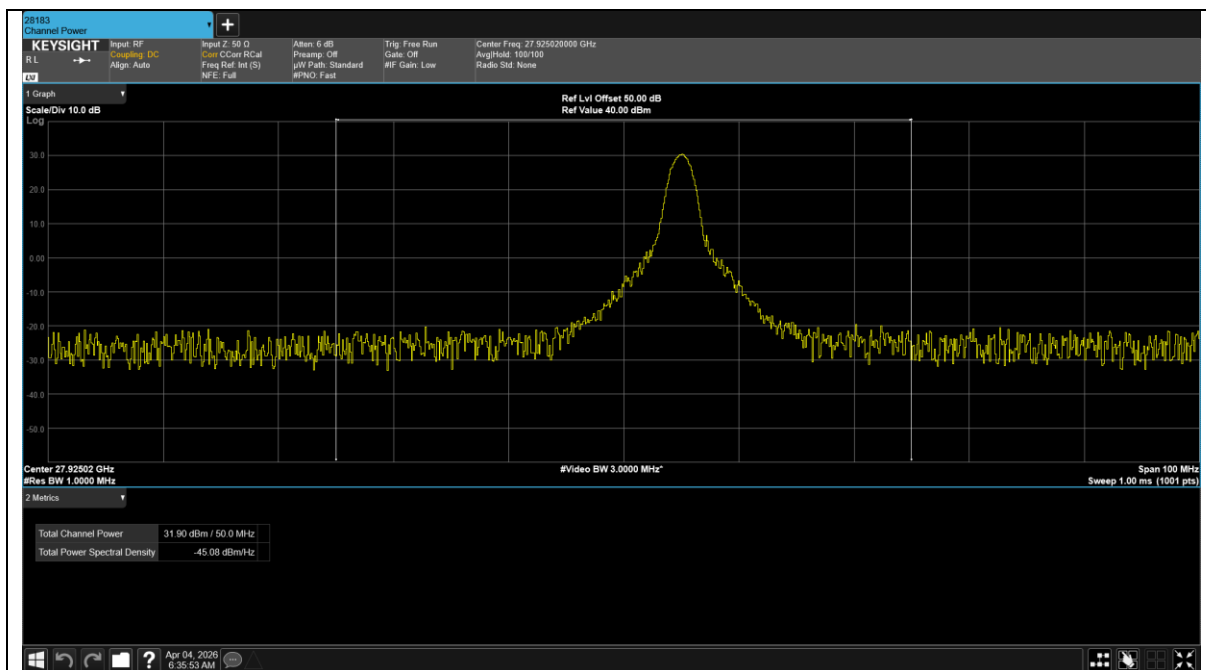




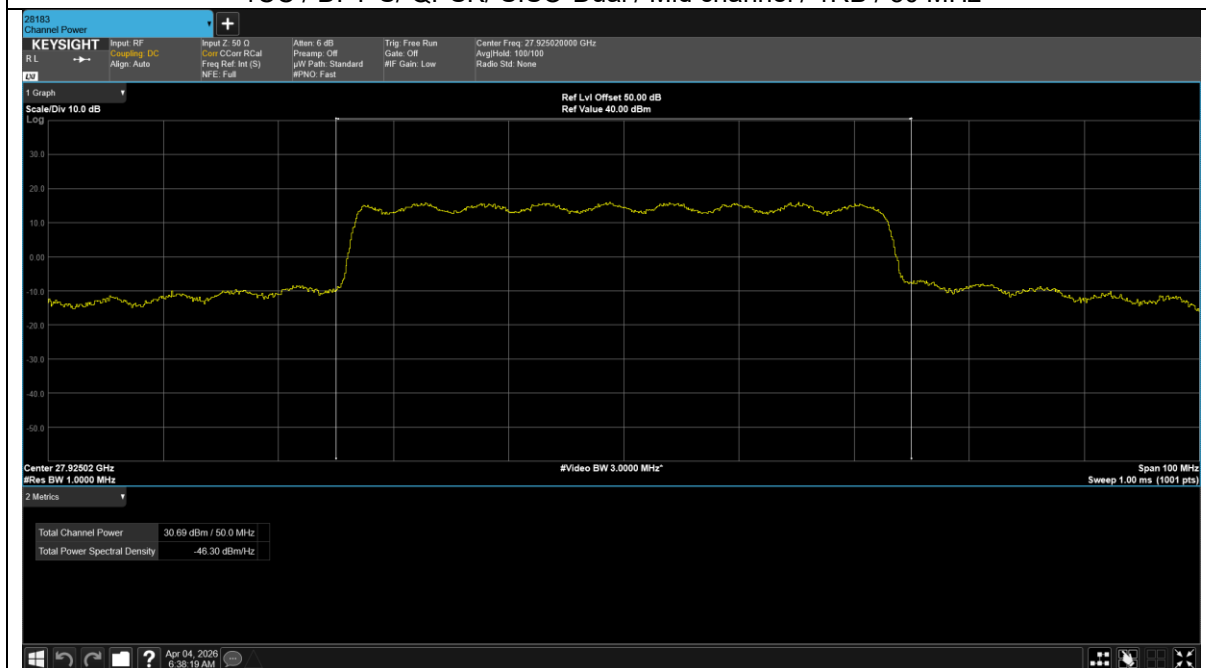
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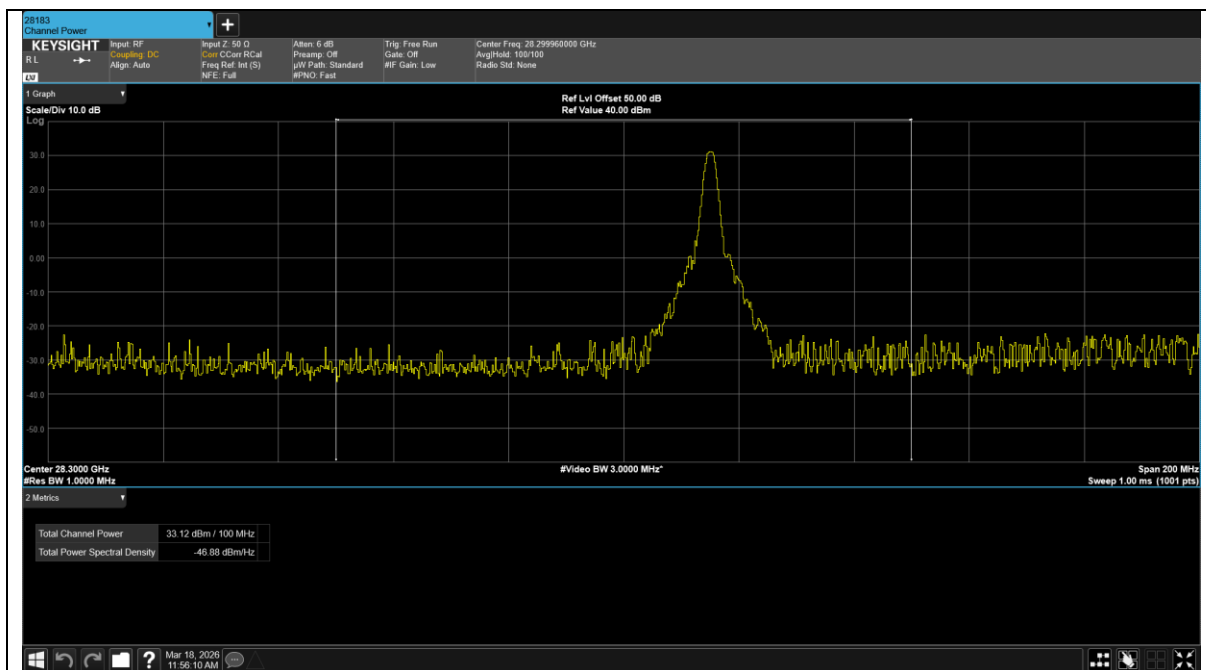
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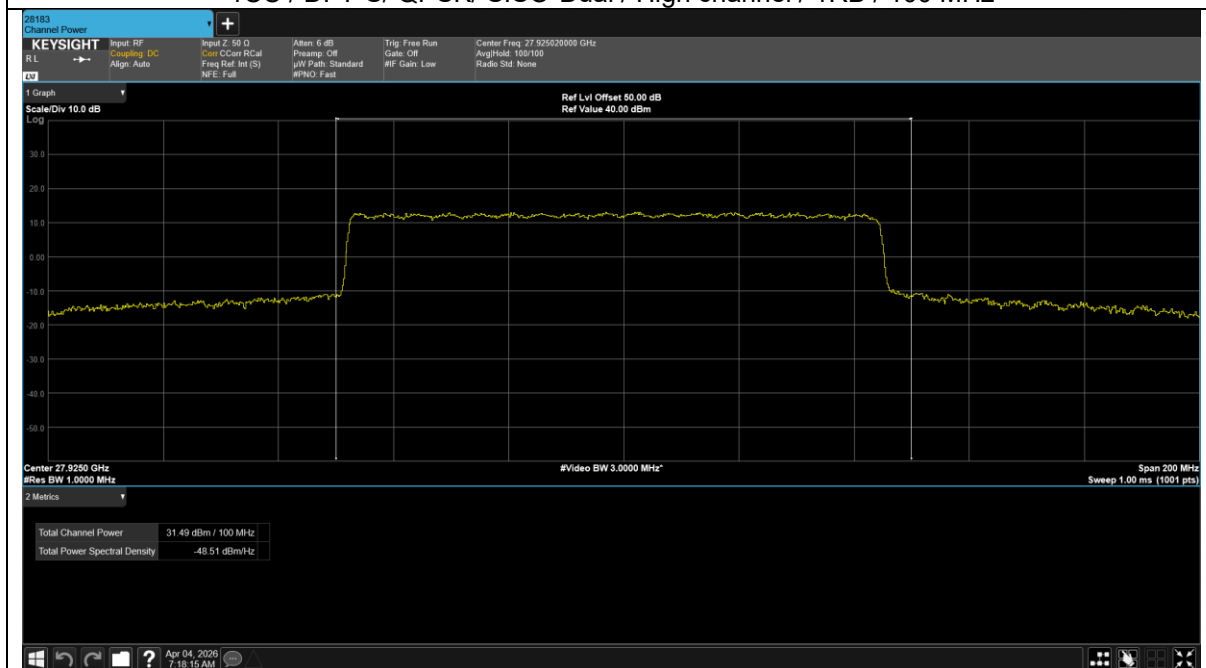
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1CC / DFT-S/ QPSK/ SISO-Dual / Mid channel / Full RB / 50 MHz



1CC / DFT-S/ QPSK/ SISO-Dual / High channel / 1RB / 100 MHz

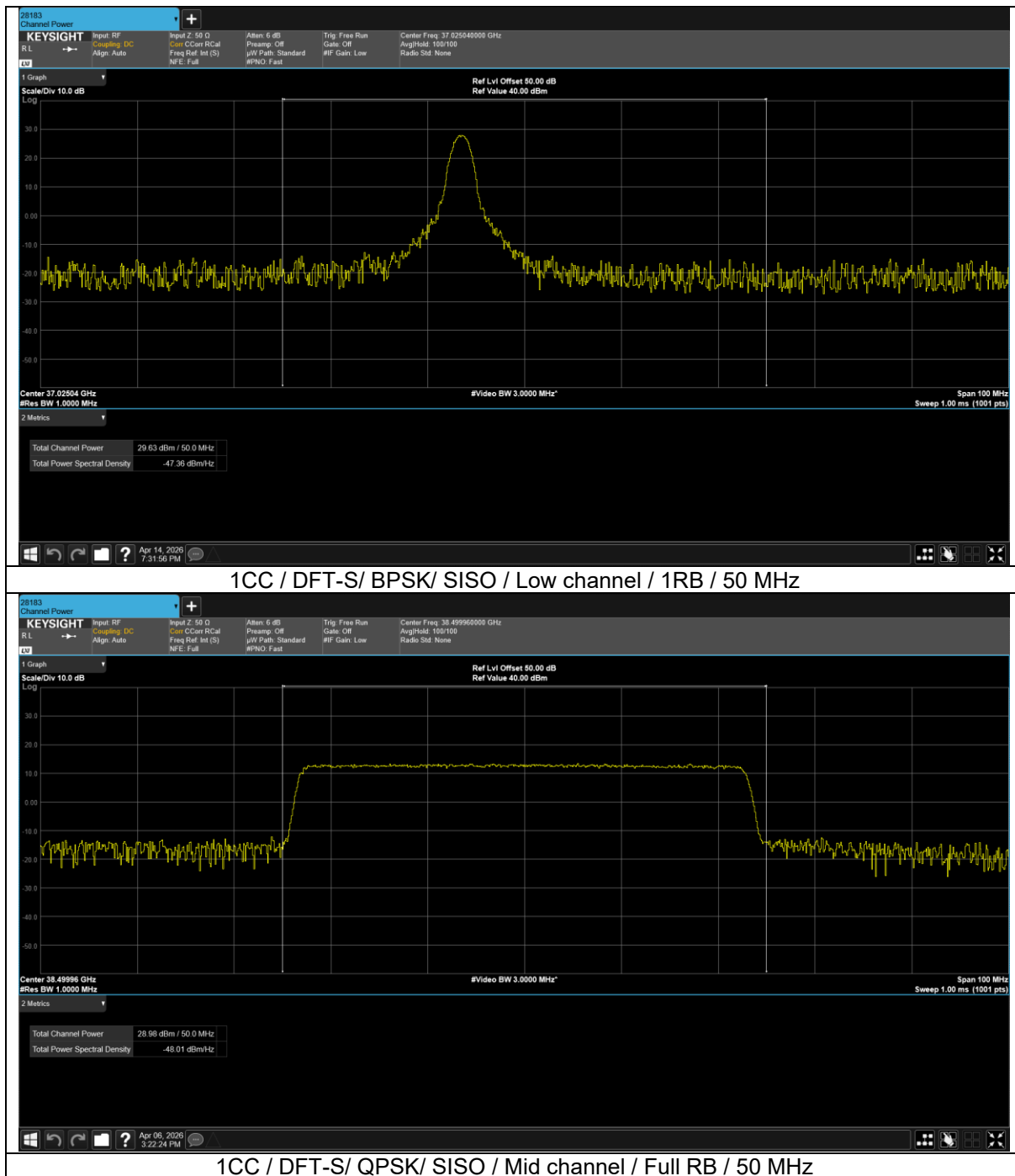


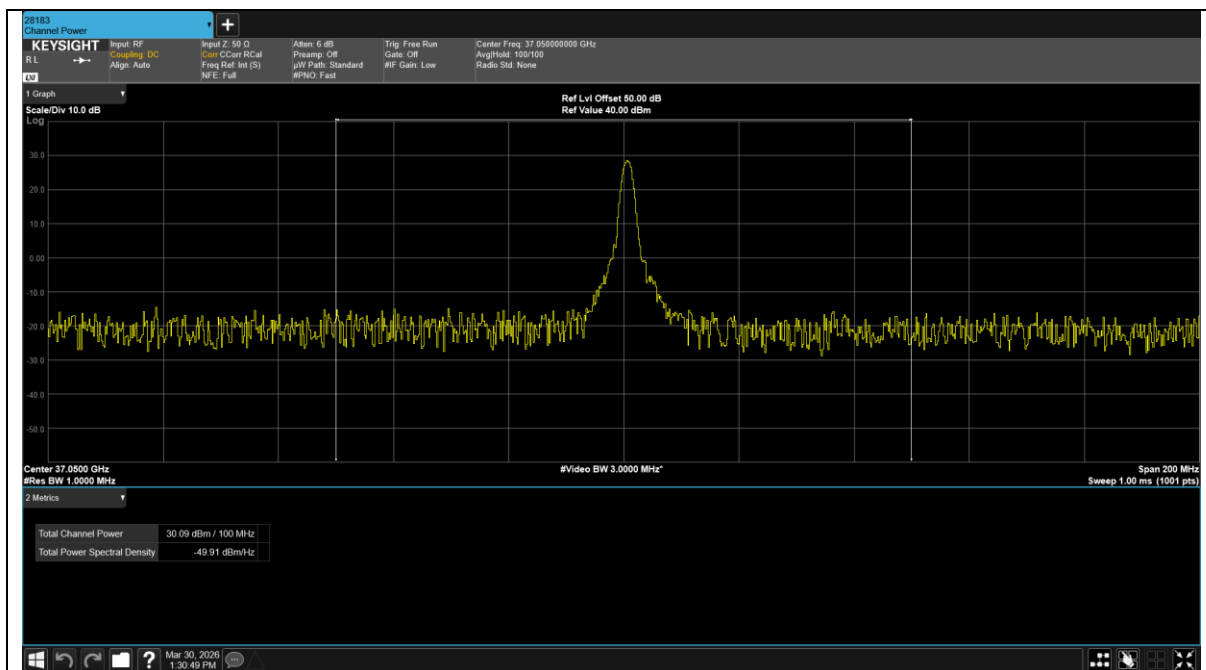
1CC / DFT-S/ QPSK/ SISO-Dual / Mid channel / Full RB / 100 MHz

Antenna 1 / Ant H / Band n260

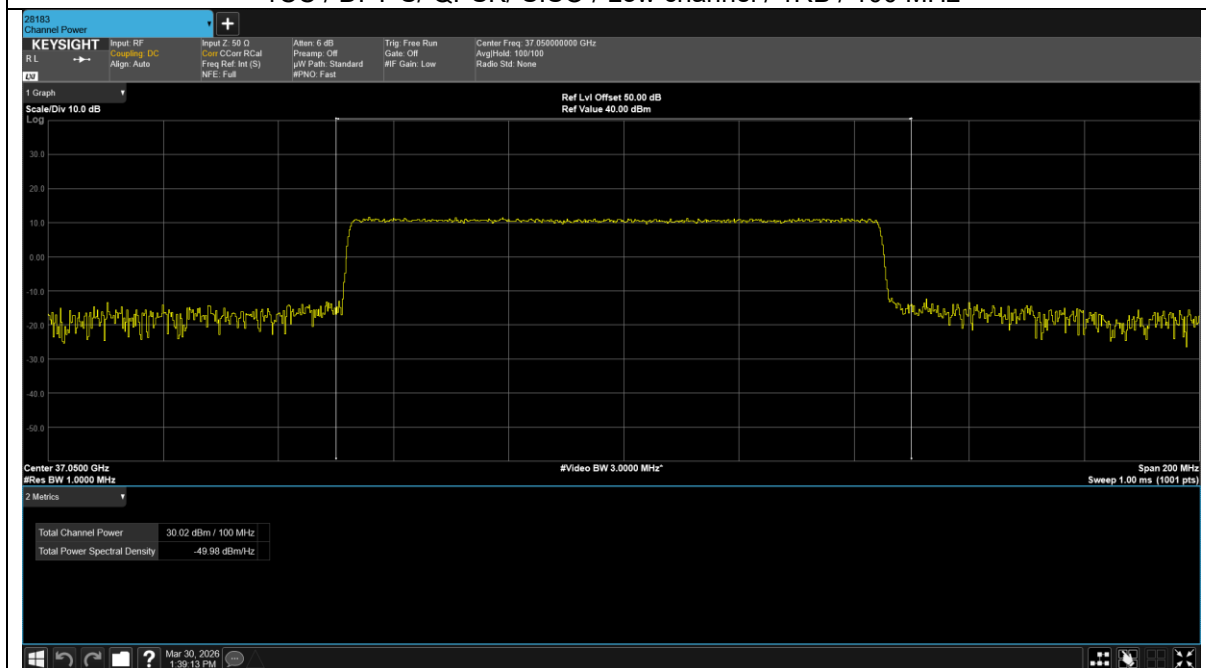
Test Case	OFDM	NR Band	Antenna	BW(MHz)	CCs	Mod	Tx Type	Freq(MHz)	Beam ID	Beam Pol	Ant Pol	RB	Result (dBm)
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO	37025.04	18	V	V	1_11	28.60
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO	38499.96	19	V	H	1_11	29.17
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO	39975	19	V	H	1_11	28.10
EIRP	DFT-s	n260	ANT H	50	1CC	BPSK	SISO	37025.04	18	V	V	1_11	29.63
EIRP	DFT-s	n260	ANT H	50	1CC	16QAM	SISO	37025.04	18	V	V	1_11	29.55
EIRP	DFT-s	n260	ANT H	50	1CC	64QAM	SISO	37025.04	18	V	V	1_11	26.71
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO	37025.04	18	V	V	32_0	28.55
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO	38499.96	19	V	H	32_0	28.98
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO	39975	19	V	H	32_0	28.06
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO	37050	18	V	V	1_33	30.09
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO	38499.96	18	V	V	1_22	28.94
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO	39949.92	19	V	H	1_22	28.71
EIRP	CP	n260	ANT H	100	1CC	QPSK	SISO	37050	18	V	V	1_22	29.70
EIRP	CP	n260	ANT H	100	1CC	16QAM	SISO	37050	18	V	V	1_22	28.58
EIRP	CP	n260	ANT H	100	1CC	64QAM	SISO	37050	18	V	V	1_22	24.66
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO	37050	18	V	V	64_0	30.02
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO	38499.96	18	V	V	64_0	28.81
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO	39949.92	19	V	H	64_0	28.61

Test Case	OFDM	NR Band	Antenna	BW(MHz)	CCs	Mod	Tx Type	Freq(MHz)	Beam ID	Beam Pol	RB	Result (dBm)
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO-Dual	37025.04	14+270	H+V	1_16	31.13
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO-Dual	38499.96	19+275	H+V	1_16	30.09
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO-Dual	37025.04	14+270	H+V	1_16	31.13
EIRP	DFT-s	n260	ANT H	50	1CC	BPSK	SISO-Dual	37025.04	14+270	H+V	1_16	29.88
EIRP	DFT-s	n260	ANT H	50	1CC	16QAM	SISO-Dual	38499.96	18+274	H+V	1_11	29.36
EIRP	DFT-s	n260	ANT H	50	1CC	64QAM	SISO-Dual	38499.96	18+274	H+V	1_11	26.48
EIRP	CP	n260	ANT H	50	1CC	QPSK	MIMO	37025.04	14+270	H+V	1_16	29.67
EIRP	CP	n260	ANT H	50	1CC	16QAM	MIMO	38499.96	18+274	H+V	1_11	27.88
EIRP	CP	n260	ANT H	50	1CC	64QAM	MIMO	37025.04	14+270	H+V	1_16	24.97
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO-Dual	37025.04	14+270	H+V	32_0	29.56
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO-Dual	38499.96	19+275	H+V	32_0	27.81
EIRP	DFT-s	n260	ANT H	50	1CC	QPSK	SISO-Dual	39975	19+275	H+V	32_0	26.87
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO-Dual	37050	14+270	H+V	1_33	31.52
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO-Dual	38499.96	14+270	H+V	1_33	30.66
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO-Dual	39949.92	14+270	H+V	1_33	28.84
EIRP	DFT-s	n260	ANT H	100	1CC	BPSK	SISO-Dual	37050	14+270	H+V	1_33	30.51
EIRP	DFT-s	n260	ANT H	100	1CC	16QAM	SISO-Dual	37050	14+270	H+V	1_33	30.62
EIRP	DFT-s	n260	ANT H	100	1CC	64QAM	SISO-Dual	37050	14+270	H+V	1_33	25.01
EIRP	CP	n260	ANT H	100	1CC	QPSK	MIMO	37050	19+275	H+V	1_22	27.50
EIRP	CP	n260	ANT H	100	1CC	16QAM	MIMO	37050	14+270	H+V	1_33	29.26
EIRP	CP	n260	ANT H	100	1CC	64QAM	MIMO	37050	14+270	H+V	1_33	25.11
EIRP	DFT-s	n260	ANT H	100+100	2CC	QPSK	SISO-Dual	37099.98	14+270	H+V	1_33	22.52
EIRP	DFT-s	n260	ANT H	100+100	2CC	BPSK	SISO-Dual	37099.98	14+270	H+V	1_33	23.77
EIRP	DFT-s	n260	ANT H	100+100	2CC	16QAM	SISO-Dual	37099.98	14+270	H+V	1_33	23.83
EIRP	DFT-s	n260	ANT H	100+100+100	3CC	QPSK	SISO-Dual	37149.96	14+270	H+V	1_33	23.33
EIRP	DFT-s	n260	ANT H	100+100+100	3CC	BPSK	SISO-Dual	37149.96	14+270	H+V	1_33	23.36
EIRP	DFT-s	n260	ANT H	100+100+100	3CC	16QAM	SISO-Dual	37149.96	14+270	H+V	1_33	23.43
EIRP	DFT-s	n260	ANT H	100+100+100	3CC	64QAM	SISO-Dual	37149.96	14+270	H+V	1_33	23.72
EIRP	DFT-s	n260	ANT H	100+100+100+100	4CC	QPSK	SISO-Dual	37199.94	14+270	H+V	1_33	23.06
EIRP	DFT-s	n260	ANT H	100+100+100+100	4CC	BPSK	SISO-Dual	37199.94	14+270	H+V	1_33	23.63
EIRP	DFT-s	n260	ANT H	100+100+100+100	4CC	16QAM	SISO-Dual	37199.94	14+270	H+V	1_33	23.63
EIRP	DFT-s	n260	ANT H	100+100+100+100	4CC	64QAM	SISO-Dual	37199.94	14+270	H+V	1_33	23.44
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO-Dual	37050	14+270	H+V	64_0	29.56
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO-Dual	38499.96	14+270	H+V	64_0	29.09
EIRP	DFT-s	n260	ANT H	100	1CC	QPSK	SISO-Dual	39949.92	14+270	H+V	64_0	26.92
EIRP	DFT-s	n260	ANT H	100+100	2CC	QPSK	SISO-Dual	37099.98	14+270	H+V	64_0	28.57
EIRP	DFT-s	n260	ANT H	100+100	2CC	BPSK	SISO-Dual	37099.98	14+270	H+V	64_0	28.54
EIRP	DFT-s	n260	ANT H	100+100	2CC	16QAM	SISO-Dual	37099.98	14+270	H+V	64_0	28.09
EIRP	DFT-s	n260	ANT H	100+100	2CC	64QAM	SISO-Dual	37099.98	14+270	H+V	64_0	25.71
EIRP	DFT-s	n260	ANT H	100+100+100	3CC	QPSK	SISO-Dual	37149.96	14+270	H+V	64_0	27.59
EIRP	DFT-s	n260	ANT H	100+100+100	3CC	BPSK	SISO-Dual	37149.96	14+270	H+V	64_0	27.60
EIRP	DFT-s	n260	ANT H	100+100+100	3CC	16QAM	SISO-Dual	37149.96	14+270	H+V	64_0	27.99
EIRP	DFT-s	n260	ANT H	100+100+100	3CC	64QAM	SISO-Dual	37149.96	14+270	H+V	64_0	25.01
EIRP	DFT-s	n260	ANT H	100+100+100+100	4CC	QPSK	SISO-Dual	37199.94	14+270	H+V	64_0	27.30
EIRP	DFT-s	n260	ANT H	100+100+100+100	4CC	BPSK	SISO-Dual	37199.94	14+270	H+V	64_0	27.29
EIRP	DFT-s	n260	ANT H	100+100+100+100	4CC	16QAM	SISO-Dual	37199.94	14+270	H+V	64_0	27.70
EIRP	DFT-s	n260	ANT H	100+100+100+100	4CC	64QAM	SISO-Dual	37199.94	14+270	H+V	64_0	24.73

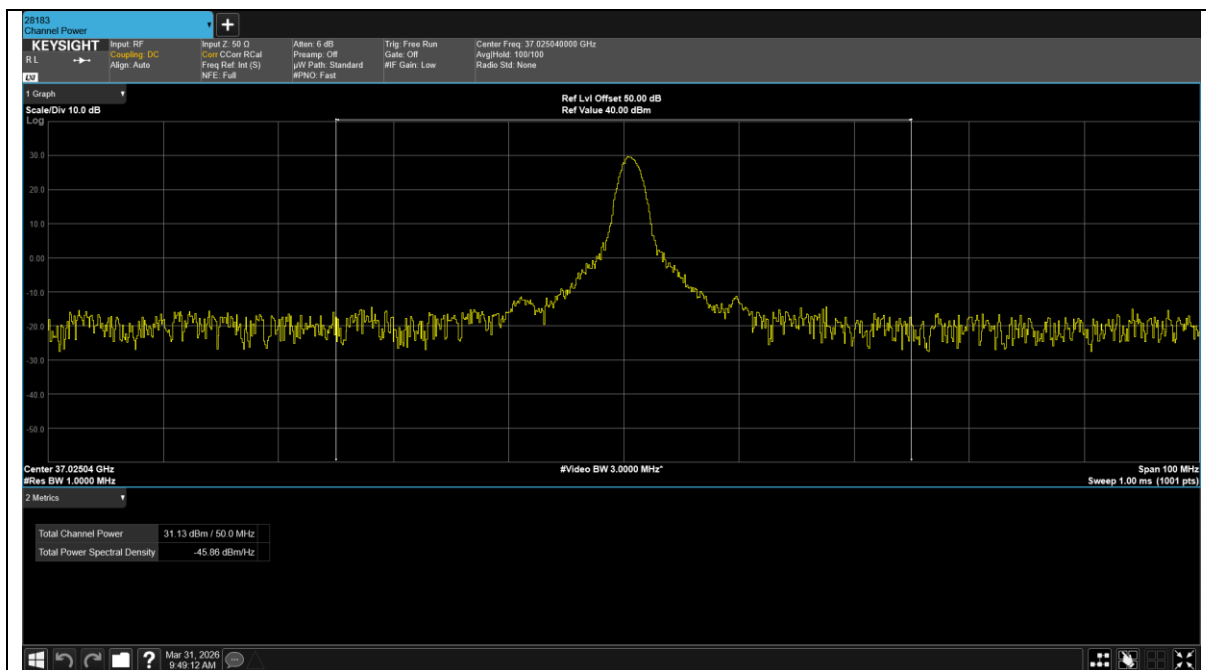




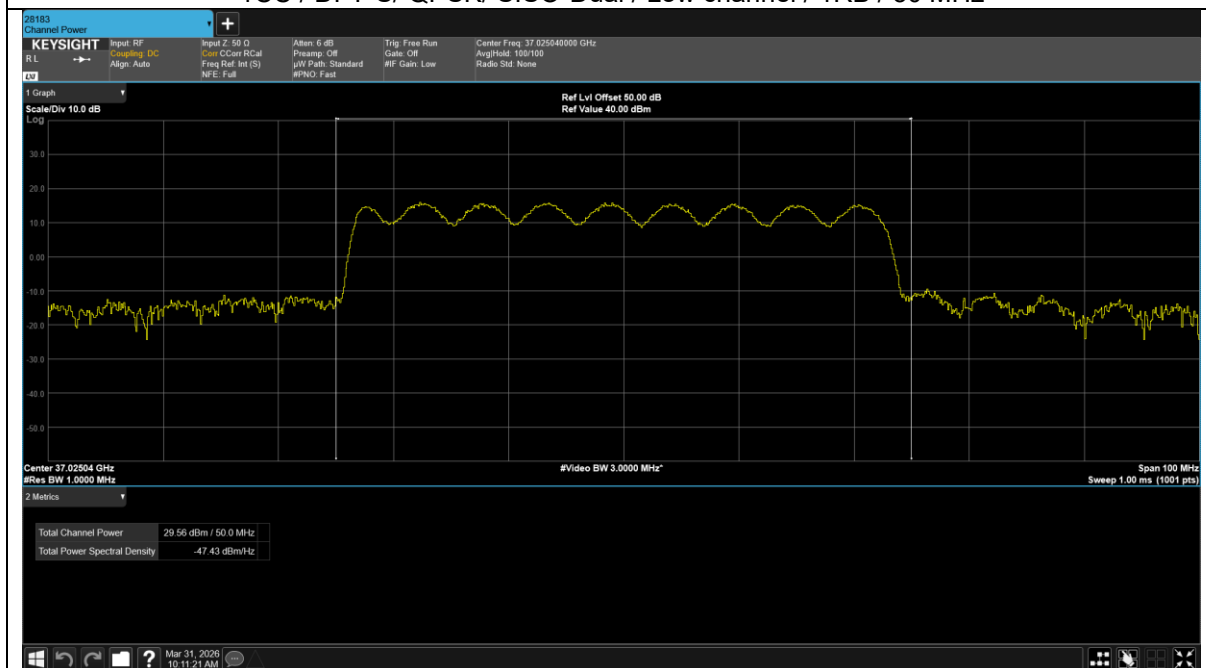
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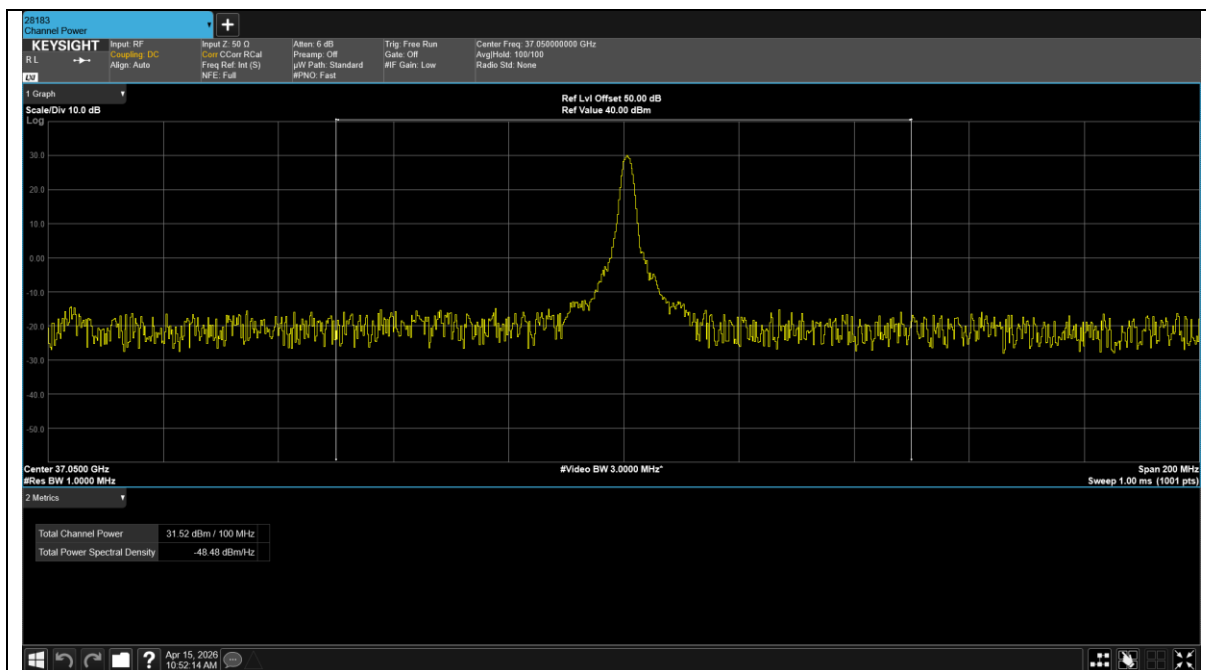
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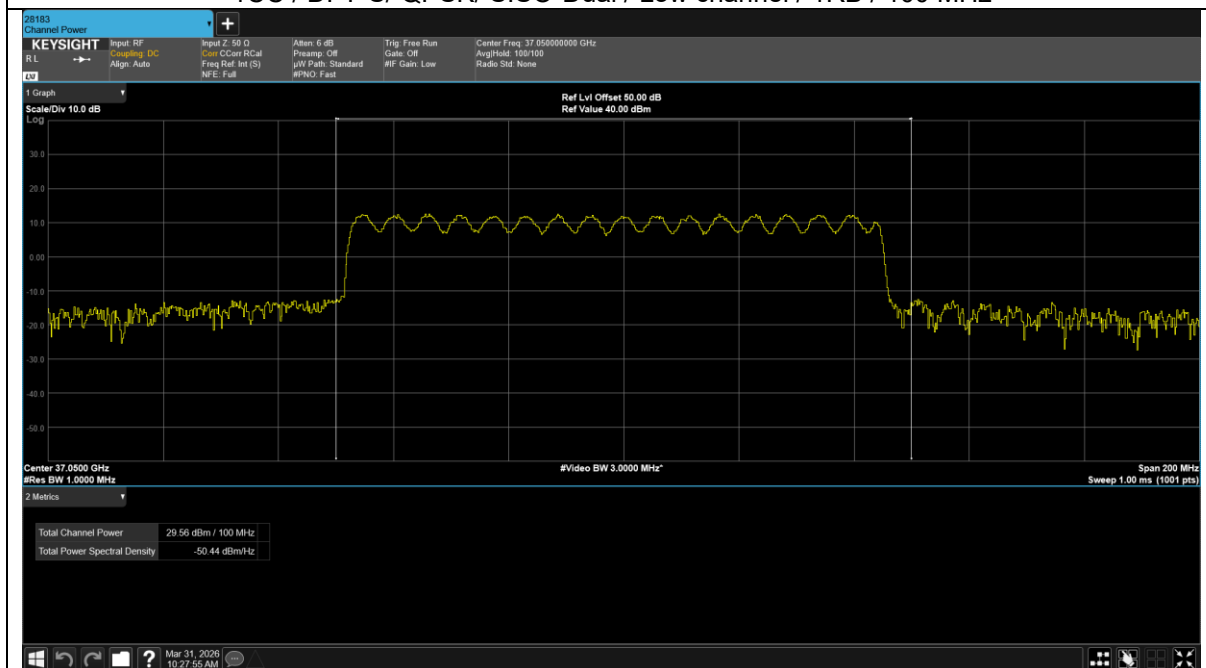
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1CC / DFT-S/ QPSK/ SISO-Dual / Low channel / Full RB / 50 MHz



1CC / DFT-S/ QPSK/ SISO-Dual / Low channel / 1RB / 100 MHz



1CC / DFT-S/ QPSK/ SISO-Dual / Low channel / Full RB / 100 MHz

8.3. BAND EDGE EMISSIONS

RULE PART(S)

FCC: §2.1051, §30.203

LIMITSs

30.203 (a) - The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be -13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be -5 dBm/MHz or lower.

TEST PROCEDURE

- a) RBW = 1MHz
- b) VBW $\geq 3 \times$ RBW
- c) number of measurement points in sweep $> 2 \times$ span / RBW
- d) Sweep time = auto-couple
- e) Detector = RMS
- f) Trace mode = average

(KDB 842590 D01 Upper Microwave Flexible Use Service v01r02 Section 4.4.2.5)
(ANSI C63.26-2015 Section 5 and 6.4)

NOTE

Band Edge emissions were measured at a 3-meter distance.

Band Edge measurements were measured as EIRP for direct comparison to the 30.203 TRP limit to demonstrate compliance.

All modulations (pi/2-BPSK, QPSK, 16QAM, and 64QAM) were evaluated across all supported antenna configurations (SISO, SISO-Dual, and MIMO) and all CC combinations (1CC through 4CC). Both CP-OFDM and DFT-s-OFDM transmission schemes were included in the investigation. All physical device configurations (screen open, half-folded, and full-folded) were also evaluated. The configuration yielding the highest band edge emissions was identified and used for the final measurements. Only the worst-case results are reported in this section.

In order to properly display the signal level on the plots, the pre-loaded correction factors were intentionally lowered by 50 dB and an offset factor of 50 dB was applied on the spectrum analyzer to compensate the true correction factors across the frequency range of measurement.

The spectrum analyzer for each measurement shows an offset value that was determined using the measurement antenna factor, cable loss, far field measurement distance, and EUT antenna gain. A sample calculation is shown below.

Sample Calculation of EIRP(at 24.245GHz):

$$\begin{aligned}\text{Total Correction Factor} &= \text{Cable Loss(dB)} + \text{Measurement Antenna Factor(dB/m)} + 11.74\text{dB(D=3m)} \\ &= 4.10 + 45.29 + 11.74 \\ &= 61.13 \text{ dB}\end{aligned}$$

EIRP = P_{measured} (dBm), where Total Correction Factor preloaded.

In order properly display of signal level on the plots, the pre-loaded correction factors were intentional lowered by 50 dB and an offset factor of 50 dB was applied on spectrum analyzer to compensate the true correction factors across frequency range of measurement.

Antenna gain Information at the Band Edge

The following antenna gain information is provided to demonstrate the antenna performance. Band edge emission was initially tested without correction for antenna gain.

If the EIRP measurement result exceeds the TRP limit, then calculate conductive power from EIRP by subtracting the manufacturer-supplied antenna gain from the EIRP according to the KDB 842590 4.4.2.5

$$\begin{aligned}\text{Conducted Power Level(dBm/BW)} &= \text{Measured EIRP level(dBm/BW)} - \text{EUT antenna Gain(dBi)} \\ \text{Measured EIRP(dBm/BW)} &= \text{level at the measurement antenna connector(dBm/BW)} - \text{Measurement} \\ &\quad \text{antenna Gain(dBi)} + \text{Path loss(dB)} \\ \text{Path loss(dB)} &= 20*\log(\text{Frequency in MHz}) + 20*\log(\text{Measurement distance m}) - 27.56\end{aligned}$$

For the Conducted power calculation, the antenna gain values were used each for SISO, SISO-Dual and MIMO configuration.

Note: The following table lists only the beam pole gain values required for conversion to conducted power based on the EIRP worst-case scenario. These gains represent the peak antenna gain for each configuration and channel.

Antenna	Channel	Beam Pol	Gain (dBi) (Open)	Gain (dBi) (Close)
n258 SB1	Low	SISO (H)	13.66	9.76
		SISO-Dual / MIMO	13.27	9.11
	High	SISO (H)	13.66	9.76
		SISO-Dual / MIMO	13.27	9.11
n258 SB2	Low	SISO (H)	13.11	10.05
		SISO-Dual / MIMO	12.83	9.47
	High	SISO (H)	13.28	10.0
		SISO-Dual / MIMO	13.26	10.06
n261	Low	SISO (H)	13.25	10.54
		SISO-Dual / MIMO	12.26	10.14
	High	SISO (H)	12.43	10.37
		SISO-Dual / MIMO	13.06	10.25
n260	Low	SISO (V)	12.58	11.72
		SISO-Dual / MIMO	12.99	11.7
	High	SISO (V)	12.80	10.41
		SISO-Dual / MIMO	13.84	11.71

RESULTS

See the following pages.

8.3.1. BAND EDGE WORST CASE RESULT

Antenna 1 / Ant H / Band n258 SB1

