

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

#### **TEST EQUIPMENT**

	ILOI LAOII MILITI					
,	Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
	Block - DC	Block - DC Fairview Microwave		AMM	2020-09-21	2021-09-21
•	Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	2021-03-11	2022-03-11
,	Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17

#### **TEST DESCRIPTION**

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The fundamental emission output power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to maximum.

The method in ANSI C63.26-2015 paragraph 5.2.4.4 was used to make these measurements.

The RF conducted emission testing was performed on one port. The AZQW antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the "Output Power - All Ports" report section) and antenna port 8 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraphs 5.2.5.3, 5.7.2i, and 6.4.

The total average transmit power of all antenna ports was determined per ANSI C63.26-2015 paragraph 6.4.3.1.

Per section 27.50(d)(2)(ii) the Equivalent Isotropically Radiated Power (EIRP) of the transceiver cannot exceed 1640 W/MHz. EIRP as defined by the FCC is the total power output from the cell site antenna.

Report No. NOKI0028.1



EUT: Airscale Base Transceiver Station Remote Radio Head Model AZQW Work Order: NOKI0028 Serial Number: YK211100168 Date: 18-Jun-21 Temperature: 21 °C
Humidity: 52.9% RH
Barometric Pres.: 1019 mba Customer: Nokia Solutions and Networks Attendees: John Rattanavong, David Le Project: None Tested by: Brandon Hobbs Job Site: TX05 All measurement path losses were accounted for in the reference level offest including any attenuators, filters and DC blocks. The output power was measured for a single carrier over the carrier channel bandwidth on port 8. The total output power for multiport (2x2 MIMO, 4x4 MIMO & 8X8 MIMO) operation was determined based upon ANSI 63.26 clauses 6.4.3.1 and 6.4.3.2.4 (10 log Nout). The total output power for two port operation is single port power + 3dB [i.e. 10log(2)]. The total output power for girl port power + 9dB [i.e. 10log(8)]. External 1 gating was set using a trig delay = 86.2us and a gate length = 3.714ms. The carrier power was set to maximum for all testing. DEVIATIONS FROM TEST STANDARD Configuration # 2 Initial Value dBm/Carrier BW Four Port (4x4 MIMO) Eight Port (8x8 MIMO) dBm/Carrier BW dBm/Carrier BW Single Port dBm/Carrier BW Two Port (2x2 MIMO) dBm/Carrier BW Band n77, 3700 MHz - 3980 MHz, 5G NR Port 8 20 MHz BW 256-QAM Modulation Low Ch.3710.01 MHz Mid Ch. 3840 MHz 41.303 0 0 0 41.30 41.49 44.30 44.49 47.30 47.49 50.30 41.492 50.49 High Ch. 3969.99 MHz 41.465 41.47 44.47 47.47 50.47 40 MHz BW 256-QAM Modulation Low Ch. 3720 Mhz Mid Ch. 3840 MHz 47.56 47.74 47.59 44.74 53.74 44.739 50.74 44 59 50.59 High Ch. 3960 MHz 44 59 53 59 60 MHz BW 256-QAM Modulation Low Ch. Low Ch. 3730.02 MHz Mid Ch. 3840 MHz 54.87 54.80 54.95 45.867 45.87 48.87 51.87 48.80 48.95 45.804 51.80 51.95 45.80 High Ch. 3949.98 MHz 45.949 45.95 80 MHz BW 256-QAM Modulation Low Ch. 3740.01 MHz Mid Ch. 3840 MHz 45.649 0 45.65 48.65 51.65 51.87 54.65 High Ch. 3939.99 MHz 45.742 45.74 48.74 51.74 54.74 100 MHz BW Mid Ch. 3840 MHz 45.991 0 45.99 48.99 51.99 54.99 16-QAM Modulation Mid Ch. 3840 MHz 46.012 46.01 49.01 52.01 55.01 64-QAM Modulation Mid Ch. 3840 MHz 45.973 45.97 48.97 51.97 54.97 256-QAM Modulation Low Ch. 3750 MHz 45.592 45.59 48.59 51.59 54.59 Mid Ch. 3840 MHz High Ch. 3930 MHz

46.026

46.03

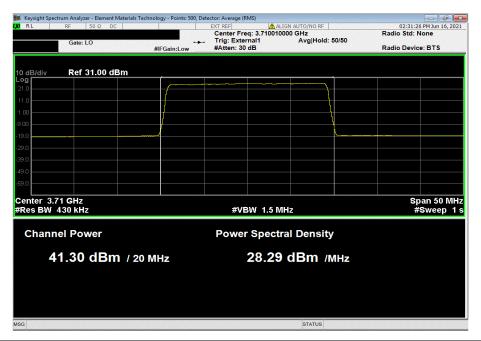
49.03

52.03

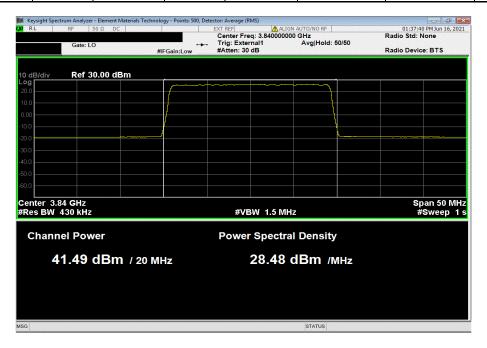
55.03

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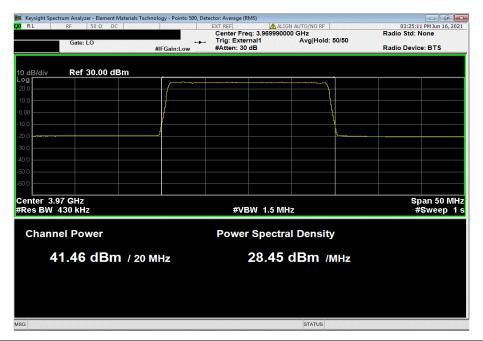
Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 20 MHz BW, 256-QAM Modulation, Mid Ch. 3840 MHz									
Initial Value Duty Cycle Single Port Two Port (2x2 MIMO) Four Port (4x4 M				Four Port (4x4 MIMO)	Eight Port (8x8 MIMO)				
	dBm/Carrier BW		dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW			
	a=, ca								

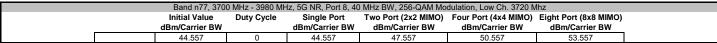


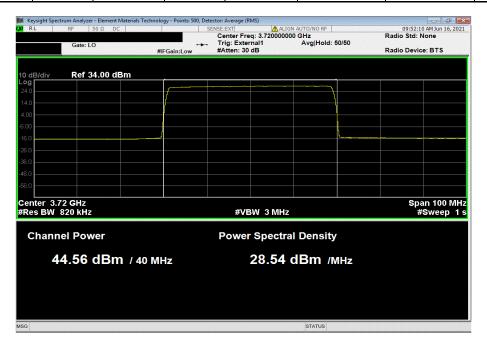
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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 20 MHz BW, 256-QAM Modulation, High Ch. 3969.99 MHz
Initial Value Duty Cycle Single Port Two Port (2x2 MIMO) Four Port (4x4 MIMO) Eight Port (8x8 MIMO)
dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW
41.465 0 41.465 44.465 47.465 50.465







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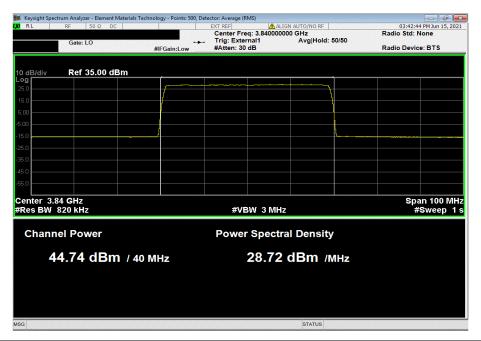


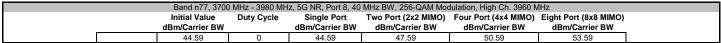
 Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 40 MHz BW, 256-QAM Modulation, Mid Ch. 3840 MHz

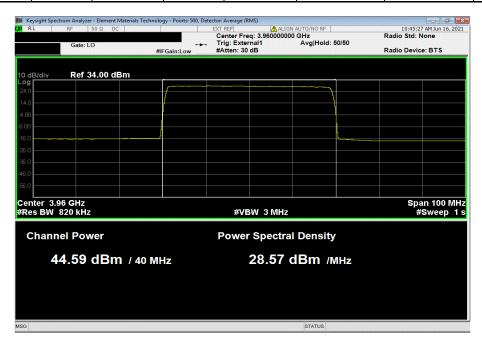
 Initial Value
 Duty Cycle
 Single Port
 Two Port (2x2 MIMO)
 Four Port (4x4 MIMO)
 Eight Port (8x8 MIMO)

 dBm/Carrier BW
 dBm/Carrier BW
 dBm/Carrier BW
 dBm/Carrier BW
 dBm/Carrier BW

 44.739
 0
 44.739
 47.739
 50.739
 53.739







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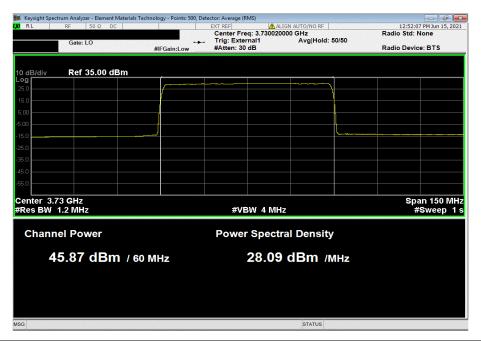


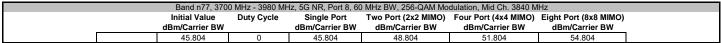
Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 60 MHz BW, 256-QAM Modulation, Low Ch. 3730.02 MHz

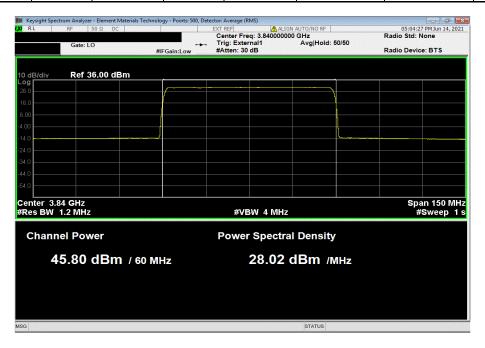
Initial Value Duty Cycle Single Port Two Port (2x2 MIMO) Four Port (4x4 MIMO) Eight Port (8x8 MIMO)

dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW

45.867 0 45.867 48.867 51.867 54.867







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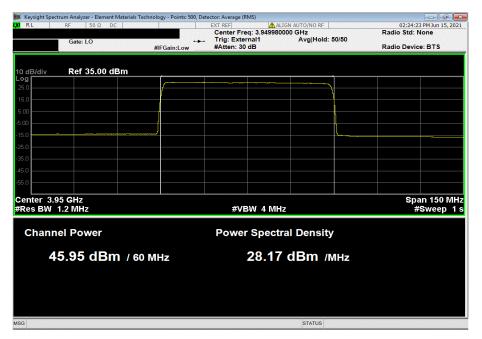


Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 60 MHz BW, 256-QAM Modulation, High Ch. 3949.98 MHz

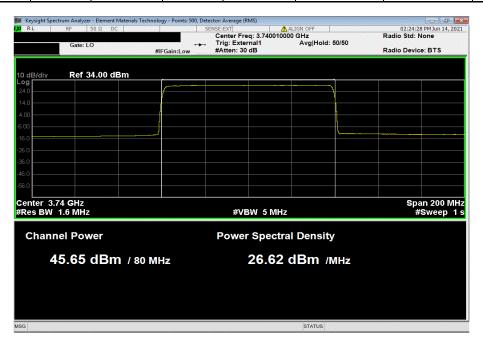
Initial Value Duty Cycle Single Port Two Port (2x2 MIMO) Four Port (4x4 MIMO) Eight Port (8x8 MIMO)

dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW

45.949 0 45.949 48.949 51.949 54.949



Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 80 MHz BW, 256-QAM Modulation, Low Ch. 3740.01 MHz									
	Initial Value	Duty Cycle	Single Port	Two Port (2x2 MIMO)	Four Port (4x4 MIMO)	Eight Port (8x8 MIMO)			
			ID 10 : DIM	ID (0 ! D)	ID (0 ! D)4/	ID 10 1 DW			
	dBm/Carrier BW		dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW			



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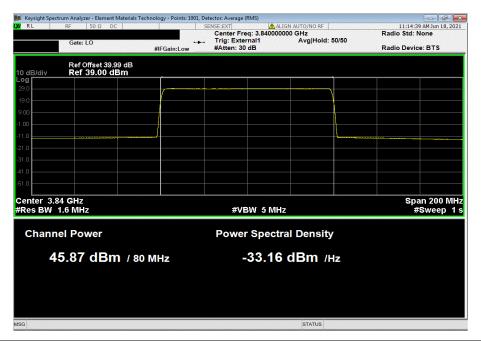


Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 80 MHz BW, 256-QAM Modulation, Mid Ch. 3840 MHz

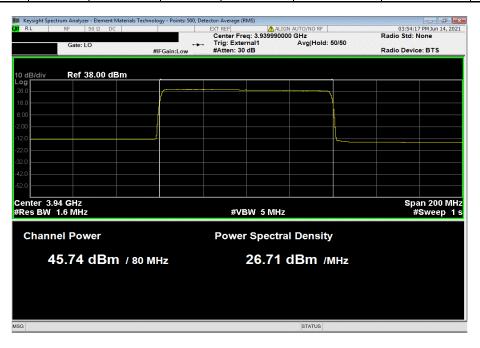
Initial Value Duty Cycle Single Port Two Port (2x2 MIMO) Four Port (4x4 MIMO) Eight Port (8x8 MIMO)

dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW

45.87 0 45.87 48.87 51.87 54.87



	Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 80 MHz BW, 256-QAM Modulation, High Ch. 3939.99 MHz									
	Duty Cycle	Single Port	Two Port (2x2 MIMO)	Four Port (4x4 MIMO)	Eight Port (8x8 MIMO)					
	dBm/Carrier BW		dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW				
	45.742	_	45.742	48.742	51.742	54.742				



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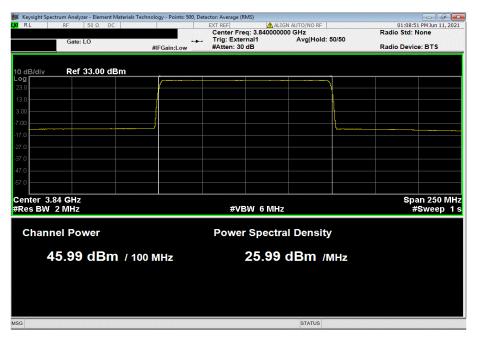


Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 100 MHz BW, QPSK Modulation, Mid Ch. 3840 MHz

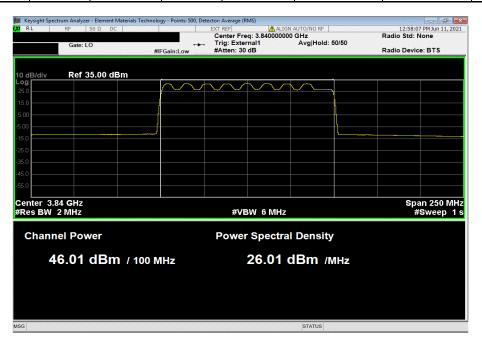
Initial Value Duty Cycle Single Port Two Port (2x2 MIMO) Four Port (4x4 MIMO) Eight Port (8x8 MIMO)

dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW

45.991 0 45.991 48.991 51.991 54.991



Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 100 MHz BW, 16-QAM Modulation, Mid Ch. 3840 MHz									
Initial Value Duty Cycle Single Port Two Port (2x2 MI				Two Port (2x2 MIMO)	Four Port (4x4 MIMO)	Eight Port (8x8 MIMO)			
	dBm/Carrier BW		dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW			
	abilitoalliei bw		ability Garrier Bitt	abilit outlier bit	abilit outlier bit	abilit outlier bit			



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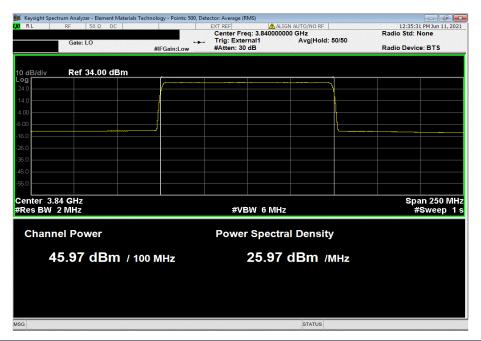


Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 100 MHz BW, 64-QAM Modulation, Mid Ch. 3840 MHz

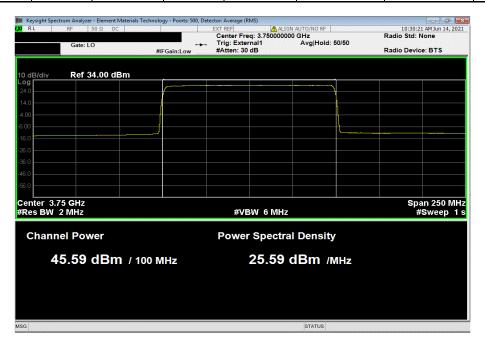
Initial Value Duty Cycle Single Port Two Port (2x2 MIMO) Four Port (4x4 MIMO) Eight Port (8x8 MIMO)

dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW

45.973 0 45.973 48.973 51.973 54.973



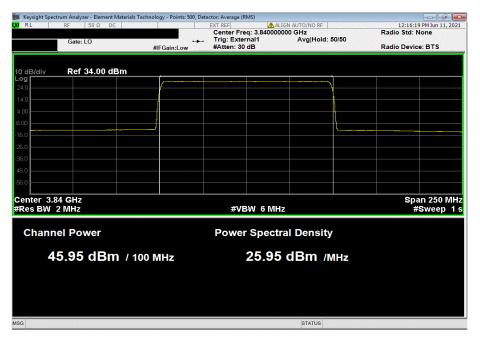
Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 100 MHz BW, 256-QAM Modulation, Low Ch. 3750 MHz								
	Initial Value	Duty Cycle	Single Port	Two Port (2x2 MIMO)	Four Port (4x4 MIMO)	Eight Port (8x8 MIMO)		
	dBm/Carrier BW		dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW	dBm/Carrier BW		

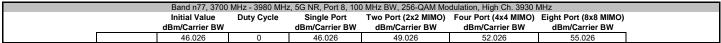


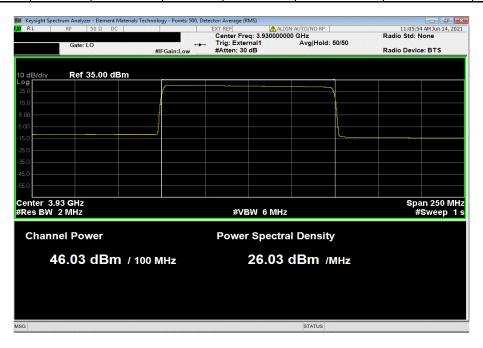
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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 100 MHz BW, 256-QAM Modulation, Mid Ch. 3840 MHz
Initial Value Duty Cycle Single Port Two Port (2x2 MIMO) Four Port (4x4 MIMO) Eight Port (8x8 MIMO)
dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW dBm/Carrier BW
45.954 0 45.954 48.954 51.954 54.954







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

#### **TEST EQUIPMENT**

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Block - DC	Fairview Microwave	SD3379	AMM	2020-09-21	2021-09-21
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	2021-03-11	2022-03-11

#### **TEST DESCRIPTION**

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The fundamental emission output power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to its default maximum.

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

RF conducted emissions testing was performed on all eight ports at NR100 middle channel to demonstrate that the AZQW antenna ports are essentially electrically identical. AZQW antenna port 8 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraphs 5.2.5.3, 5.7.2i, and 6.4. The results in this report section show that AZQW antenna port 8 has the highest RF conducted output power level.

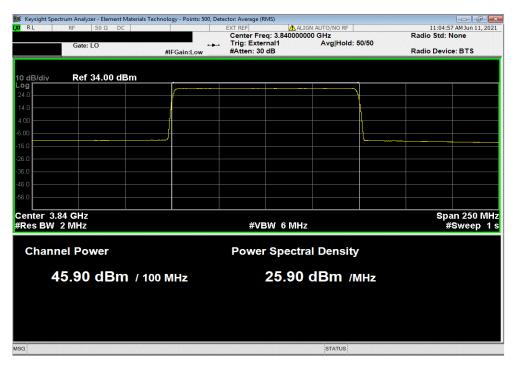
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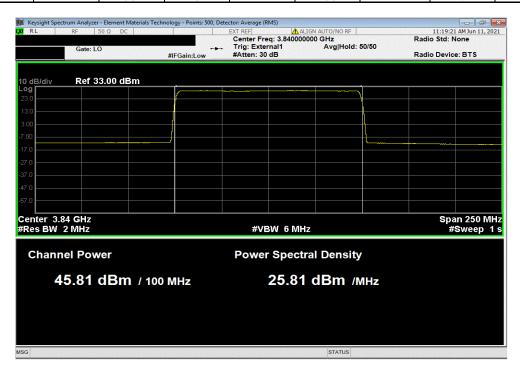
			4.70.00		W 1 - :	TbtTx 2021.03.19.1	XMit 2020
		tion Remote Radio Head Model	AZQW		Work Order:		
Serial Number: Y						11-Jun-21	
	Nokia Solutions and Networks				Temperature:		
	John Rattanavong, David Le, N	Mitchell Hill				54.9% RH	
Project: N					Barometric Pres.:		
	Brandon Hobbs		Power: 54VDC		Job Site:	TX05	
ST SPECIFICATIO	NS		Test Method				
C 27:2021			ANSI C63.26:2015				
MMENTS							
			luding any attenuators, filters and DC b gate length = 3.714ms. Band n77 NR100				hannel
	TEST STANDARD						
ne							
onfiguration #	2	Signature	7-11-1				
			Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Value (dBm)	Limit (dBm)	Results
nd n77, 3700 MHz -	- 3980 MHz, 5G NR						
F	Port 1						
	100 MHz BW						
		QAM Modulation					
		Mid Ch.3840.04 MHz	45.895	0	45.9	Inside Tolerance	N/A
F	Port 2	IIII GIIIGG IGIG I IIII IE	10.000	<u> </u>	10.0	morao romanoo	14,7 (
	100 MHz BW						
		QAM Modulation					
	200 0	Mid Ch.3840.04 MHz	45.814	0	45.8	Inside Tolerance	N/A
F	Port 3	Wild CH.SO40.04 WHIE	40.014		40.0	morac roloranoc	14/73
	100 MHz BW						
		QAM Modulation					
	250-0	Mid Ch.3840.04 MHz	45.906	0	45.0	Institut Talanana	N/A
E	Port 4	WIIU C11.3840.04 WITZ	45.900	U			
	0114				45.9	Inside Tolerance	14,7,4
	100 MH= DM/				45.9	inside i olerance	14//
	100 MHz BW	NAM Modulation			45.9	inside l'olerance	14//
		QAM Modulation	AE coo	0			
	256-G	QAM Modulation Mid Ch.3840.04 MHz	45.662	0	45.9 45.7	Inside Tolerance	N/A
	256-G Port 5		45.662	0			
	256-G Port 5 100 MHz BW	Mid Ch.3840.04 MHz	45.662	0			
	256-G Port 5 100 MHz BW	Mid Ch.3840.04 MHz			45.7	Inside Tolerance	N/A
P	256-G Port 5 100 MHz BW 256-G	Mid Ch.3840.04 MHz	45.662 45.76	0			
P	256-G Port 5 100 MHz BW 256-G Port 6	Mid Ch.3840.04 MHz			45.7	Inside Tolerance	N/A
F	256-G Port 5  100 MHz BW 256-G Port 6  100 MHz BW	Mid Ch.3840.04 MHz  QAM Modulation  Mid Ch.3840.04 MHz			45.7	Inside Tolerance	N/A
F	256-G Port 5  100 MHz BW 256-G Port 6  100 MHz BW	Mid Ch.3840.04 MHz  QAM Modulation  Mid Ch.3840.04 MHz  QAM Modulation	45.76	0	45.7 45.8	Inside Tolerance	N/A N/A
E	256-G Port 5  100 MHz BW 256-G Port 6  100 MHz BW 256-G	Mid Ch.3840.04 MHz  QAM Modulation  Mid Ch.3840.04 MHz			45.7	Inside Tolerance	N/A
E	256-G Port 5  100 MHz BW 256-G Port 6  100 MHz BW 256-G Port 7	Mid Ch.3840.04 MHz  QAM Modulation  Mid Ch.3840.04 MHz  QAM Modulation	45.76	0	45.7 45.8	Inside Tolerance	N/A N/A
E	256-G	Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz	45.76	0	45.7 45.8	Inside Tolerance	N/A N/A
E	256-G	Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz	45.76 45.906	0	45.7 45.8 45.9	Inside Tolerance Inside Tolerance Inside Tolerance	N/A N/A
E E	256-G	Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz	45.76	0	45.7 45.8	Inside Tolerance	N/A N/A
E E	256-G Port 5  100 MHz BW 256-G  100 MHz BW 256-G  Port 7  100 MHz BW 256-G  Port 8	Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz	45.76 45.906	0	45.7 45.8 45.9	Inside Tolerance Inside Tolerance Inside Tolerance	N/A N/A
E E	256-G Port 5  100 MHz BW 256-G  100 MHz BW 256-G  100 MHz BW 256-G  Port 7  100 MHz BW 256-G	Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz	45.76 45.906	0	45.7 45.8 45.9	Inside Tolerance Inside Tolerance Inside Tolerance	N/A N/A
E E	256-G Port 5  100 MHz BW 256-G  100 MHz BW 256-G  100 MHz BW 256-G  Port 7  100 MHz BW 256-G	Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz  QAM Modulation Mid Ch.3840.04 MHz	45.76 45.906	0	45.7 45.8 45.9	Inside Tolerance Inside Tolerance Inside Tolerance	N/A N/A

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Band r	Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 2, 100 MHz BW, 256-QAM Modulation, Mid Ch.3840.04 MHz									
	Avg Cond	Duty Cycle	Value	Limit						
	Pwr (dBm)	Factor (dB)	(dBm)	(dBm)	Results					
	45.814	0	45.8	Inside Tolerance	N/A					



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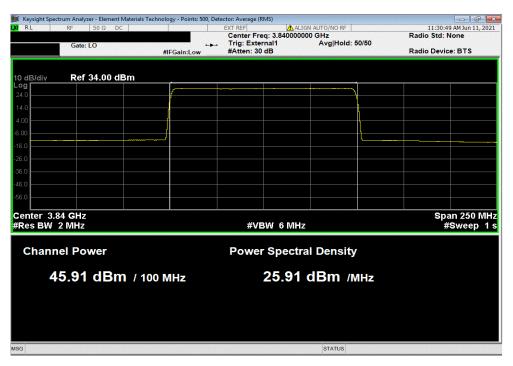


Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 3, 100 MHz BW, 256-QAM Modulation, Mid Ch.3840.04 MHz

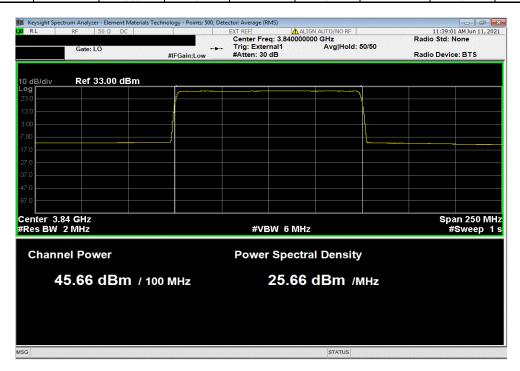
Avg Cond Duty Cycle Value Limit

Pwr (dBm) Factor (dB) (dBm) (dBm) Results

45.906 0 45.9 Inside Tolerance N/A



Band n77	Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 4, 100 MHz BW, 256-QAM Modulation, Mid Ch.3840.04 MHz									
	Avg Cond	Duty Cycle	Va	lue	Limit					
	Pwr (dBm)	Factor (dB)	(dE	Bm)	(dBm)	Results				
	45.662	0	45	5.7 Insid	de Tolerance	N/A				



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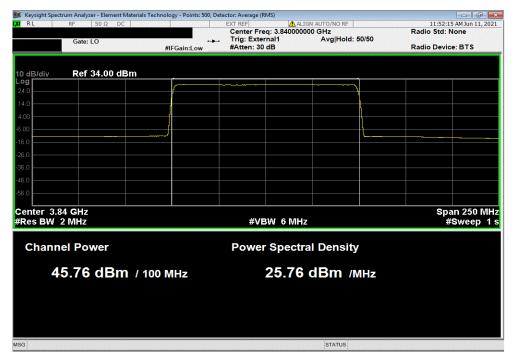


Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 5, 100 MHz BW, 256-QAM Modulation, Mid Ch.3840.04 MHz

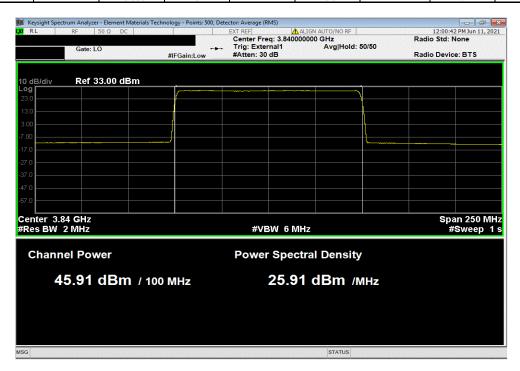
Avg Cond Duty Cycle Limit

Pwr (dBm) Factor (dB) (dBm) (dBm) Results

45.76 0 45.8 Inside Tolerance N/A



Band n77, 3	3700 MHz - 3980	MHz, 5G NR, Po	ort 6, 100 MHz BV	V, 256-QAM Mod	dulation, Mid Ch.384	0.04 MHz
	Avg Cond	Duty Cycle		Value	Limit	
	Pwr (dBm)	Factor (dB)		(dBm)	(dBm)	Results
	45.906	0		45.9	Inside Tolerance	N/A



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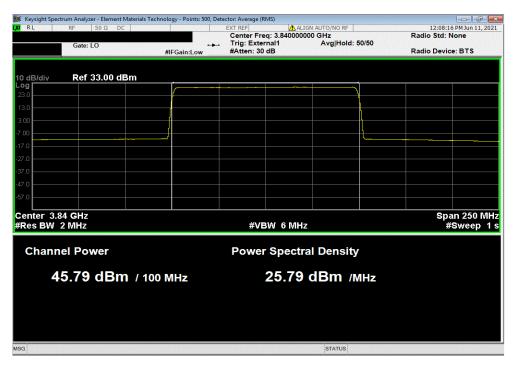


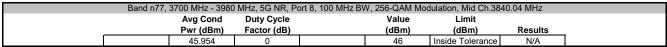
Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 7, 100 MHz BW, 256-QAM Modulation, Mid Ch.3840.04 MHz

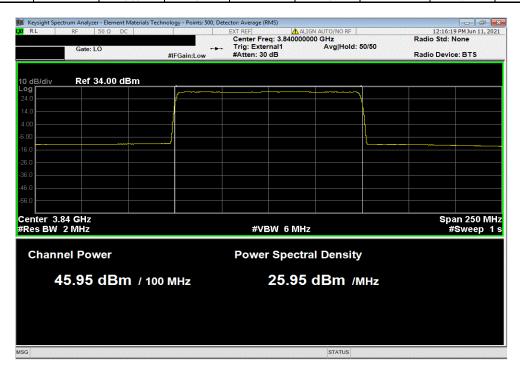
Avg Cond Duty Cycle Value Limit

Pwr (dBm) Factor (dB) (dBm) (dBm) Results

45.787 0 45.8 Inside Tolerance N/A







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

#### **TEST EQUIPMENT**

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Block - DC	Fairview Microwave	SD3379	AMM	2020-09-21	2021-09-21
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17
Analyzer - Signal Analyzer	Keysight Technologies	N9030B	R291	2020-06-13	2021-07-13

#### **TEST DESCRIPTION**

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

Because the conducted Output Power was measured using a RMS Average detector, the Peak to Average Power Ratio (PAPR) was measured to show that the maximum peak-max-hold spectrum to the maximum of the average spectrum does not exceed the rule part defined limit.

The PAPR measurement method is described in ANSI C63.26 section 5.2.3.4. The PAPR was measured using the CCDF function of the spectrum analyzer.

Per FCC 27.50(j) (4), the peak to average ratio may not exceed 13dB for more than the ANSI C63.26 described 0.1% of the time.

The RF conducted emission testing was performed on one port. The AZQW antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the "Output Power - All Ports" report section) and antenna port 8 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraphs 5.2.5.3, 5.7.2i, and 6.4.

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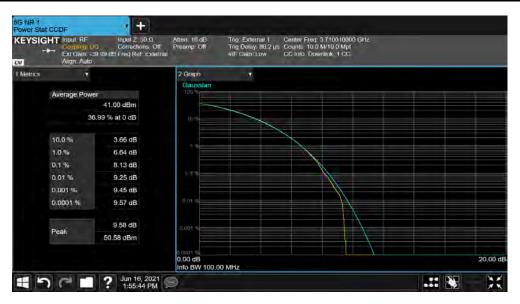


			TbtTx 2021.03.19.1	XMit 2020.
EUT: A	Airscale Base Transceiver Station Remote Radio Head Model AZQW	Work Order:		
Serial Number: Y			17-Jun-21	
	Nokia Solutions and Networks	Temperature:		
	John Rattanavong, David Le	Humidity:		
Project: N		Barometric Pres.:		
	Brandon Hobbs Power: 54VDC	Job Site:		
ST SPECIFICATIO		000 01101	11100	
C 27:2021	ANSI C63.26:2015			
· · · · · · · · · · · · · · · · · · ·	7 aver 606.20.20.10			
MMENTS				
	ath losses were accounted for in the reference level offest including any attenuators, filters and DC	blocks. External 1 gating was not using a trig dalay = 96	Que and a gate lan	uth = 2 714mc
		blocks. External I gating was set using a trig delay = 60.	zus anu a gate ienţ	jui = 3.7 14iiis
e carrier power wa	vas set to maximum for all testing.			
VIATIONS EDOM	TEST STANDARD			
	TEST STANDARD			
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onfiguration #	2			
onliguration #				
	Signature	0.100		
		PAPR	PAPR	D!!
1 77 0700 1	0000 MU 50 MD	Value (dB)	Limit (dB)	Results
	- 3980 MHz, 5G NR			
F	Port 8			
	20 MHz BW			
	256-QAM Modulation			
	Low Ch.3710.01 MHz	8.13	13	Pass
	Mid Ch. 3840 MHz	8.03	13	Pass
	High Ch. 3969.99 MHz	8.18	13	Pass
	40 MHz BW			
	256-QAM Modulation			
	Low Ch. 3720 Mhz	8.02	13	Pass
	Mid Ch. 3840 MHz	8.08	13	Pass
	High Ch. 3960 MHz	8.00	13	Pass
	60 MHz BW			
	256-QAM Modulation			
	Low Ch. 3730.02 MHz	7.80	13	Pass
	Mid Ch. 3840 MHz	7.69	13	Pass
	High Ch. 3949.98 MHz	7.88	13	Pass
	80 MHz BW			
	256-QAM Modulation			
	Low Ch. 3740.01 MHz	7.87	13	Pass
	Mid Ch. 3840 MHz	7.73	13	Pass
	High Ch. 3939.99 MHz	7.91	13	Pass
	100 MHz BW	7.01	10	1 433
	QPSK Modulation			
	Mid Ch. 3840 MHz	7.73	13	Pass
	16-QAM Modulation	1.13	10	1 055
	Mid Ch. 3840 MHz	7.71	13	Pass
		7.71	13	Pass
			13	Darr
	64-QAM Modulation			Pass
	Mid Ch. 3840 MHz	7.71	13	
	Mid Ch. 3840 MHz 256-QAM Modulation			
	Mid Ch. 3840 MHz 256-QAM Modulation Low Ch. 3750 MHz	7.85	13	Pass
	Mid Ch. 3840 MHz 256-QAM Modulation			

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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 20 MHz BW, 256-QAM Modulation, Low Ch.3710.01 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
8.13 13 Pass



Band n77	, 3700 MHz - 398	30 MHz, 5G NR, F	Port 8, 20 MHz BV	V, 256-QAM Mod	lulation, Mid Ch. 3	3840 MHz
				PAPR	PAPR	
				Value (dB)	Limit (dB)	Results
				8.03	13	Pass

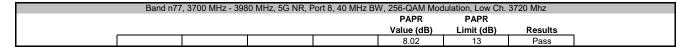


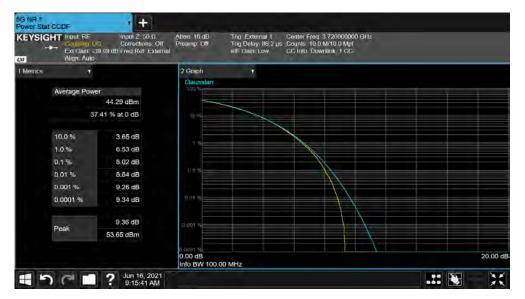
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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 20 MHz BW, 256-QAM Modulation, High Ch. 3969.99 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
8.18 13 Pass







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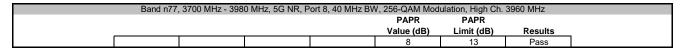


Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 40 MHz BW, 256-QAM Modulation, Mid Ch. 3840 MHz

PAPR
PAPR
Value (dB) Limit (dB) Results

8.08 13 Pass





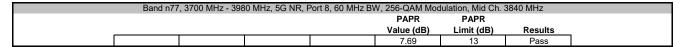


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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 60 MHz BW, 256-QAM Modulation, Low Ch. 3730.02 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.8 13 Pass







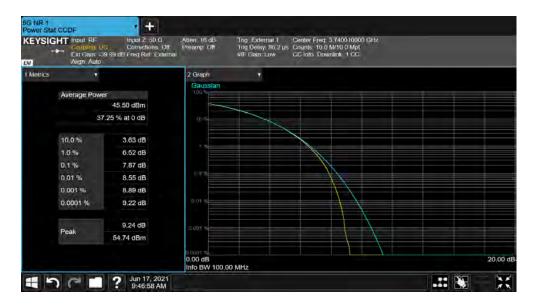
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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 60 MHz BW, 256-QAM Modulation, High Ch. 3949.98 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.88 13 Pass



Band n77,	3700 MHz - 3980	MHz, 5G NR, Po	rt 8, 80 MHz BW	, 256-QAM Modu	lation, Low Ch. 37	740.01 MHz
				PAPR	PAPR	
				Value (dB)	Limit (dB)	Results
				7.87	13	Pass



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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 80 MHz BW, 256-QAM Modulation, Mid Ch. 3840 MHz

PAPR PAPR
Value (dB) Limit (dB) Results

7.73 13 Pass



Band n77, 3	3700 MHz - 3980	MHz, 5G NR, Po	rt 8, 80 MHz BW,	256-QAM Modul	ation, High Ch. 3	939.99 MHz
				PAPR	PAPR	
				Value (dB)	Limit (dB)	Results
				7.91	13	Pass



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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 100 MHz BW, QPSK Modulation, Mid Ch. 3840 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.73 13 Pass



Band n77	, 3700 MHz - 398	30 MHz, 5G NR, F	Port 8, 100 MHz E	BW, 16-QAM Mod	lulation, Mid Ch.	3840 MHz
				PAPR	PAPR	
				Value (dB)	Limit (dB)	Results
				7.71	13	Pass



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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 100 MHz BW, 64-QAM Modulation, Mid Ch. 3840 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.71 13 Pass



Band n77,	3700 MHz - 3980	) MHz, 5G NR, P	ort 8, 100 MHz B	W, 256-QAM Mod	dulation, Low Ch.	3750 MHz
				PAPR	PAPR	
				Value (dB)	Limit (dB)	Results
				7.85	13	Pass



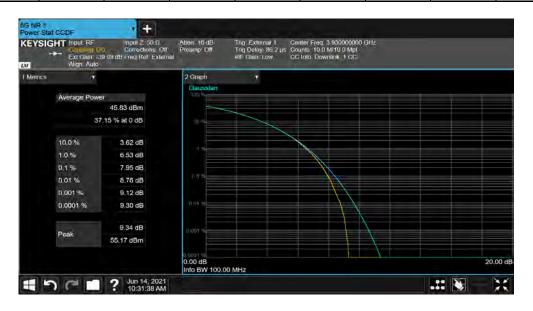
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Band n77, 3700 MHz - 3980 MHz, 5G NR, Port 8, 100 MHz BW, 256-QAM Modulation, Mid Ch. 3840 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.72 13 Pass



Band n77,	3700 MHz - 3980	) MHz, 5G NR, Po	ort 8, 100 MHz B\	N, 256-QAM Mod	lulation, High Ch.	3930 MHz
				PAPR	PAPR	
				Value (dB)	Limit (dB)	Results
				7.95	13	Pass



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