

XMit 2020.03.25.0

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
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	27-Feb-20	27-Feb-21
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21

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.

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.

RF conducted emissions testing was performed only on one port. The testing was performed on the same version of hardware (AHFIG) as the original certification test. The AHFIG antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the original certification testing) and antenna port 4 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.7.2i.

5G NR carrier bandwidths of 5MHz, 10MHz, 15MHz, and 20MHz with QPSK, 16QAM, 64QAM and 256QAM modulation types were verified under this effort. The 5G NR carriers/modulation types for this testing are set up according to 3GPP TS 38.141-1 Test Models and are NR-FR1-TM 1.1 (QPSK modulation type), NR-FR1-TM 3.1 (16QAM modulation type), NR-FR1-TM 3.1 (64QAM modulation type), and NR-FR1-TM 3.1a (256QAM modulation type).

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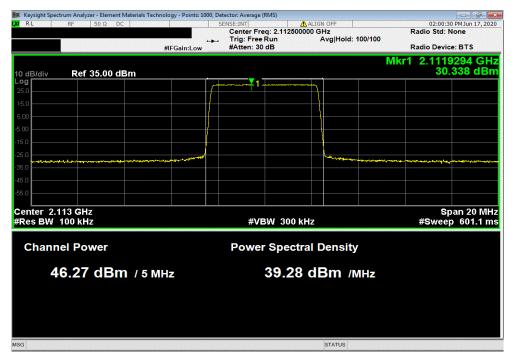
EUT: AHFIG					Work Order:	NOKI0016	XMit 20
al Number: K91913	22351					18-Jun-20	
Customer: Nokia S	Solutions and Networks				Temperature:	22.5 °C	
	l Hill, John Rattanavong				Humidity:		
Project: None					Barometric Pres.:		
Tested by: Brando	n Hobbs	Power: 54 VDC			Job Site:	TX05	
PECIFICATIONS		Test Method					
2020		ANSI C63.26:2015					
NITO							
NTS							
surement path loss	es were accounted for in the reference level of	fest including any attenuators, filters and DC b	locks. The carrie	er was set to maximu	ım for all testing.		
ONS FROM TEST	STANDARD						
ONO I NOM I LOT	CIARDARD						
ration #	2	7-11					
	Signature	7					
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Resul
and n66, 2110 MHz							
5 MHz I	Bandwidth						
	QPSK Modulation	10.070			10.07	00.45	
	Low Channel 2112.5 MHz	46.270	0	Not Provided	46.27	62.15	N/A
	Mid Channel 2155 MHz	46.233 46.273	0	Not Provided Not Provided	46.23 46.27	62.15 62.15	N/A N/A
	High Channel 2197.5 MHz 16-QAM Modulation	40.213	U	rvot i Tovided	40.21	02.10	IN/A
	Low Channel 2112.5 MHz	46.078	0	Not Provided	46.08	62.15	N/A
	Mid Channel 2155 MHz	46.051	0	Not Provided	46.05	62.15	N/A
	High Channel 2197.5 MHz	46.091	Ö	Not Provided	46.09	62.15	N/A
	64-QAM Modulation						,
	Low Channel 2112.5 MHz	46.276	0	Not Provided	46.28	62.15	N/A
	Mid Channel 2155 MHz	46.233	0	Not Provided	46.23	62.15	N/A
	High Channel 2197.5 MHz	46.245	0	Not Provided	46.25	62.15	N/A
	256-QAM Modulation						
	Low Channel 2112.5 MHz	46.168	0	Not Provided	46.17	62.15	N/A
	Mid Channel 2155 MHz	46.118	0	Not Provided	46.12	62.15	N/A
40 MH	High Channel 2197.5 MHz	46.119	0	Not Provided	46.12	62.15	N/A
IU IVITIZ	Bandwidth QPSK Modulation						
	Low Channel 2115 MHz	46.350	0	Not Provided	46.35	62.15	N/A
	Mid Channel 2155 MHz	46.154	0	Not Provided	46.15	62.15	N/A
	High Channel 2195 MHz	46.259	Ö	Not Provided	46.26	62.15	N/A
	16-QAM Modulation	10.200		110111011000	10.20	02.10	,,
	Low Channel 2115 MHz	46.164	0	Not Provided	46.16	62.15	N/A
	Mid Channel 2155 MHz	46.002	0	Not Provided	46.00	62.15	N/A
	High Channel 2195 MHz	46.078	0	Not Provided	46.08	62.15	N/A
	64-QAM Modulation						
	Low Channel 2115 MHz	46.311	0	Not Provided	46.31	62.15	N/A
	Mid Channel 2155 MHz	46.137	0	Not Provided	46.14	62.15	N/A
	High Channel 2195 MHz	46.197	0	Not Provided	46.20	62.15	N/A
	256-QAM Modulation	40.000		Not Developed	40.04	00.45	N1/A
	Low Channel 2115 MHz	46.208	0	Not Provided	46.21 46.06	62.15	N/A
	Mid Channel 2155 MHz High Channel 2195 MHz	46.060 46.114	0	Not Provided Not Provided	46.06	62.15 62.15	N/A N/A
15 MHz	Bandwidth	40.114	U	140t i Tovided	70.11	0£.10	IN/A
10 1711 12	QPSK Modulation						
	Low Channel 2117.5 MHz	46.409	0	Not Provided	46.41	62.15	N/A
	Mid Channel 2155 MHz	46.224	0	Not Provided	46.22	62.15	N/A
	High Channel 2192.5 MHz	46.252	0	Not Provided	46.25	62.15	N/A
	16-QAM Modulation						
	Low Channel 2117.5 MHz	46.264	0	Not Provided	46.26	62.15	N/A
	Mid Channel 2155 MHz	46.134	0	Not Provided	46.13	62.15	N/A
	High Channel 2192.5 MHz	46.130	0	Not Provided	46.13	62.15	N/A
	64-QAM Modulation	46.371	0	Not Provided	46.37	62.15	N/A
	Low Channel 2117.5 MHz Mid Channel 2155 MHz	46.216	0	Not Provided Not Provided	46.22	62.15	N/A N/A
	High Channel 2192.5 MHz	46.216 46.253	0	Not Provided	46.22 46.25	62.15	N/A N/A
	256-QAM Modulation	40.233	U	140t i Tovided	70.20	0£.10	IN/A
	Low Channel 2117.5 MHz	46.345	0	Not Provided	46.35	62.15	N/A
	Mid Channel 2155 MHz	46.200	Ö	Not Provided	46.20	62.15	N/A
	High Channel 2192.5 MHz	46.200	0	Not Provided	46.20	62.15	N/A
20 MHz	Bandwidth						
	QPSK Modulation						
	Low Channel 2120 MHz	46.477	0	Not Provided	46.48	62.15	N/A
	Mid Channel 2155 MHz	46.267	0	Not Provided	46.27	62.15	N/A
	High Channel 2190 MHz	46.366	0	Not Provided	46.37	62.15	N/A
	16-QAM Modulation	10.01		Net Description	46.04	60.45	A1/-
	Low Channel 2120 MHz	46.311 46.310	0	Not Provided	46.31	62.15	N/A
	Mid Channel 2155 MHz High Channel 2190 MHz	46.219	0	Not Provided	46.22	62.15	N/A
	High Channel 2190 MHz 64-QAM Modulation	46.268	0	Not Provided	46.27	62.15	N/A
	64-QAM Modulation Low Channel 2120 MHz	46.363	0	Not Provided	46.36	62.15	N/A
	Mid Channel 2155 MHz	46.306	0	Not Provided	46.31	62.15	N/A N/A
	High Channel 2190 MHz	46.327	0	Not Provided	46.33	62.15	N/A
	256-QAM Modulation	40.021	- U	Tovidod	.0.00	JE. 10	14/7
			^	Not Provided	46.25	00.45	N/A
	Low Channel 2120 MHz	46.348	()	NOL Provided	40.33	62.15	
	Low Channel 2120 MHz Mid Channel 2155 MHz	46.348 46.336	0	Not Provided	46.35 46.34	62.15 62.15	N/A

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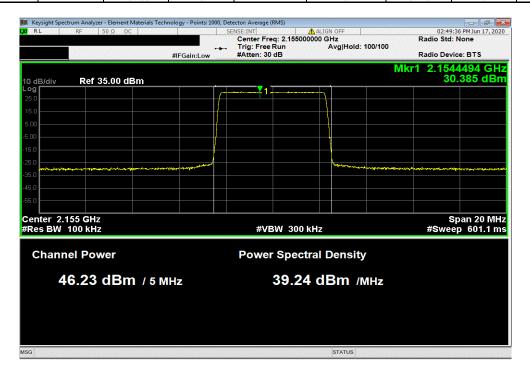


Port 4, Band n66, 2110 MHz - 2200 MHz, 5 MHz Bandwidth , QPSK Modulation, Low Channel 2112.5 MHz
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit
(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.27 0 Not Provided 46.3 62.15 N/A



	Port 4,	Band n66, 2110	MHz - 2200 MHz	, 5 MHz Bandwidth	, QPSK Modulation,	Mid Channel 215	55 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
_		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
ĺ		46.233	0	Not Provided	46.2	62.15	N/A



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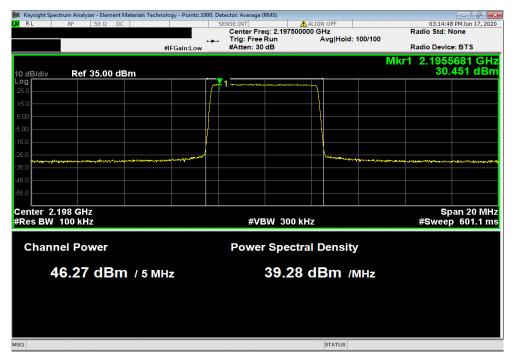


Port 4, Band n66, 2110 MHz - 2200 MHz, 5 MHz Bandwidth , QPSK Modulation, High Channel 2197.5 MHz

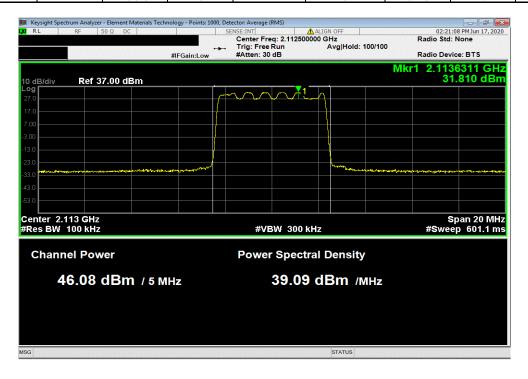
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit

(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.273 0 Not Provided 46.3 62.15 N/A



	Port 4, B	and n66, 2110 M	Hz - 2200 MHz, 5	MHz Bandwidth ,	16-QAM Modulation,	Low Channel 21	12.5 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
l		46.078	0	Not Provided	46.1	62.15	N/A



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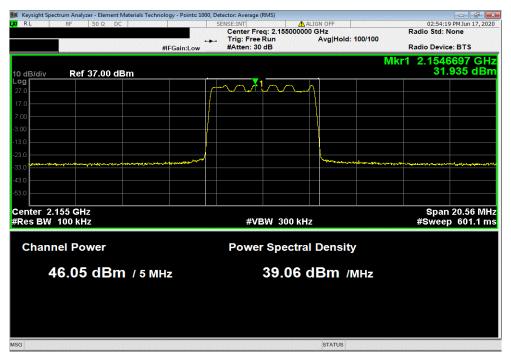


Port 4, Band n66, 2110 MHz - 2200 MHz, 5 MHz Bandwidth , 16-QAM Modulation, Mid Channel 2155 MHz

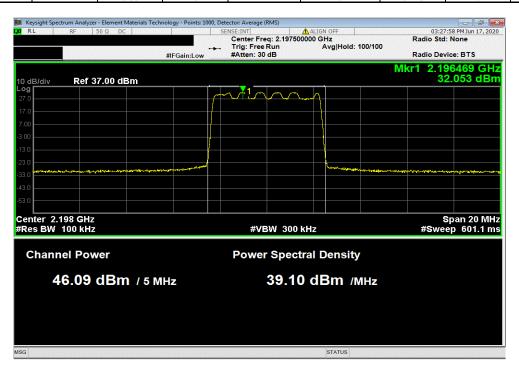
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit

(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.051 0 Not Provided 46.1 62.15 N/A



	Port 4, E	and n66, 2110 M	Hz - 2200 MHz, 5	MHz Bandwidth ,	16-QAM Modulation,	High Channel 219	97.5 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
l		46.091	0	Not Provided	46.1	62.15	N/A



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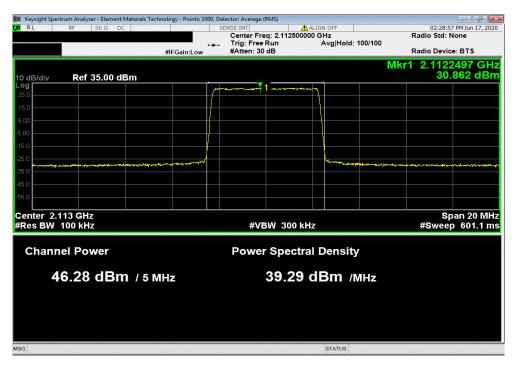


Port 4, Band n66, 2110 MHz - 2200 MHz, 5 MHz Bandwidth , 64-QAM Modulation, Low Channel 2112.5 MHz

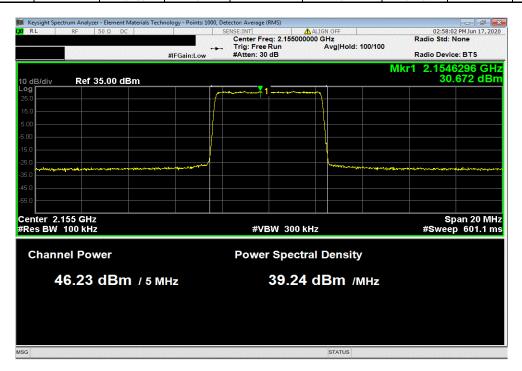
Port 4, Band n66, 2110 MHz - 2200 MHz, 5 MHz Bandwidth , 64-QAM Modulation, Low Channel 2112.5 MHz

Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit
(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.276 0 Not Provided 46.3 62.15 N/A



	Port 4, I	Band n66, 2110 N	ИНz - 2200 МНz,	5 MHz Bandwidth	, 64-QAM Modulation	, Mid Channel 21	55 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
ı		46.233	0	Not Provided	46.2	62.15	N/A



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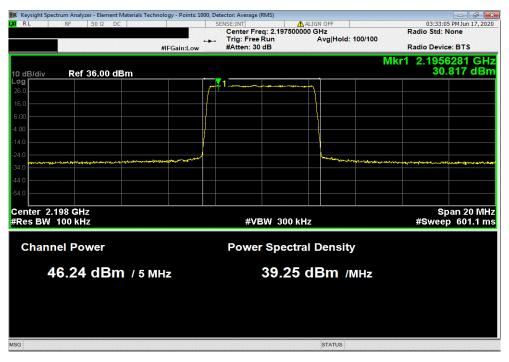


Port 4, Band n66, 2110 MHz - 2200 MHz, 5 MHz Bandwidth , 64-QAM Modulation, High Channel 2197.5 MHz

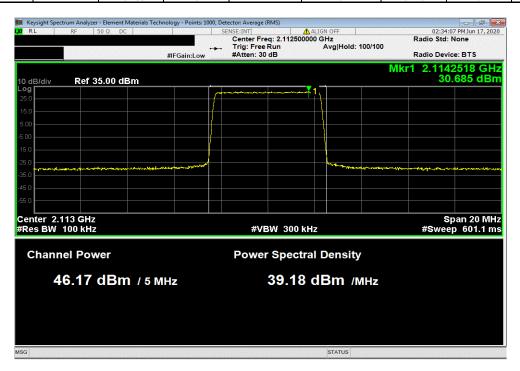
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit

(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.245 0 Not Provided 46.2 62.15 N/A



Port 4, Ba	ind n66, 2110 MF	Hz - 2200 MHz, 5	MHz Bandwidth, 2	56-QAM Modulation,	, Low Channel 21	12.5 MHz
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
	46.168	0	Not Provided	46.2	62.15	N/A



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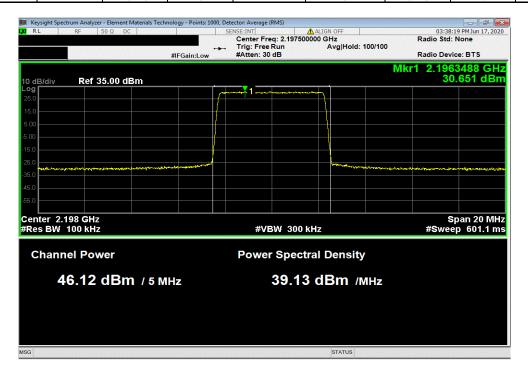


Port 4, Band n66, 2110 MHz - 2200 MHz, 5 MHz Bandwidth , 256-QAM Modulation, Mid Channel 2155 MHz Initial Power **Duty Cycle** Antenna Gain Final w/o Ant Gain **EIRP Limit**

(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results 46.118 Not Provided 62.15 N/A



	Port 4, Ba	and n66, 2110 MF	łz - 2200 MHz, 5	MHz Bandwidth, 2	56-QAM Modulation,	High Channel 21	197.5 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
İ		46.119	0	Not Provided	46.1	62.15	N/A

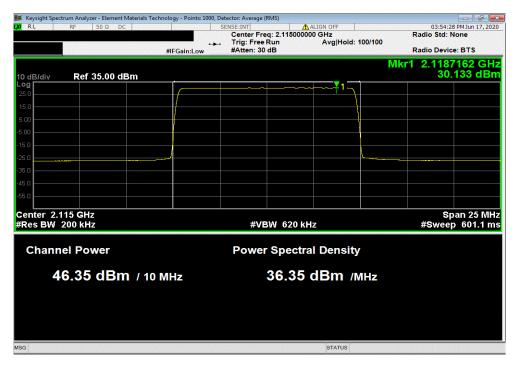


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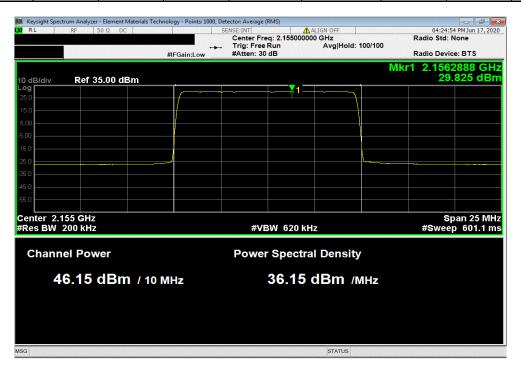


Port 4, Band n66, 2110 MHz - 2200 MHz, 10 MHz Bandwidth , QPSK Modulation, Low Channel 2115 MHz

Port 4,	Band n66, 2110 N	ЛHz - 2200 MHz,	, 10 MHz Bandwidth	n , QPSK Modulation,	Low Channel 21	15 MHz	
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit		
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results	
	46.35	0	Not Provided	46.4	62.15	N/A	



Port 4,	Band n66, 2110 I	MHz - 2200 MHz,	10 MHz Bandwidth	n, QPSK Modulation,	, Mid Channel 21	55 MHz
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
	46.154	0	Not Provided	46.2	62.15	N/A

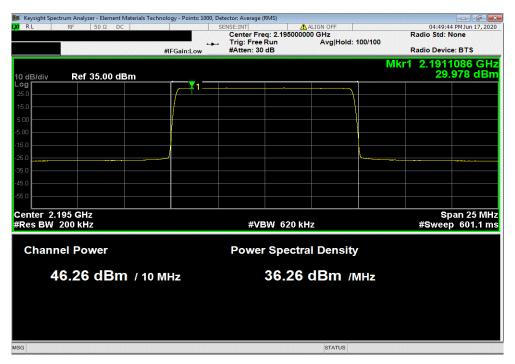


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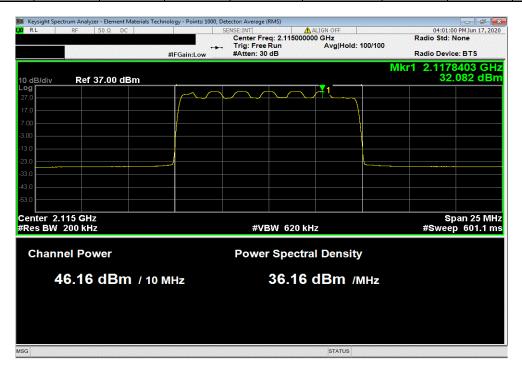


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Port 4, Band n66, 2110 MHz - 2200 MHz, 10 MHz Bandwidth , QPSK Modulation, High Channel 2195 MHz								
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit			
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results		
	46.259	0	Not Provided	46.3	62.15	N/A		



Port 4, Band n66, 2110 MHz - 2200 MHz, 10 MHz Bandwidth , 16-QAM Modulation, Low Channel 2115 MHz								
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit			
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results		
	46.164	0	Not Provided	46.2	62.15	N/A		



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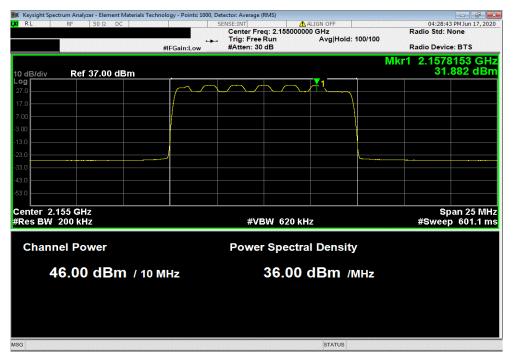


Port 4, Band n66, 2110 MHz - 2200 MHz, 10 MHz Bandwidth , 16-QAM Modulation, Mid Channel 2155 MHz

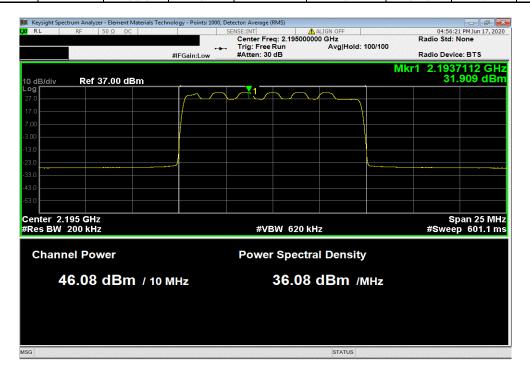
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit

(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.002 0 Not Provided 46.0 62.15 N/A



	Port 4, B	and n66, 2110 M	Hz - 2200 MHz, 1	10 MHz Bandwidth	, 16-QAM Modulation	n, High Channel 2	195 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
ı		46.078	0	Not Provided	46.1	62.15	N/A

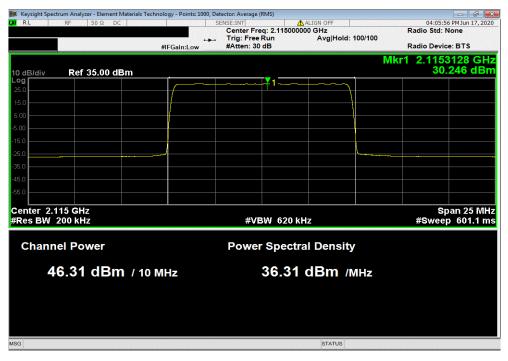


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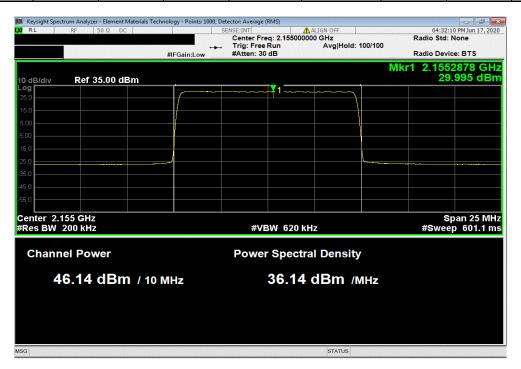


Port 4, Band n66, 2110 MHz - 2200 MHz, 10 MHz Bandwidth , 64-QAM Modulation, Low Channel 2115 MHz
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit
(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.311 0 Not Provided 46.3 62.15 N/A



	Port 4, E	Band n66, 2110 N	1Hz - 2200 MHz,	10 MHz Bandwidth	, 64-QAM Modulation	n, Mid Channel 2	155 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
İ		46.137	0	Not Provided	46.1	62.15	N/A

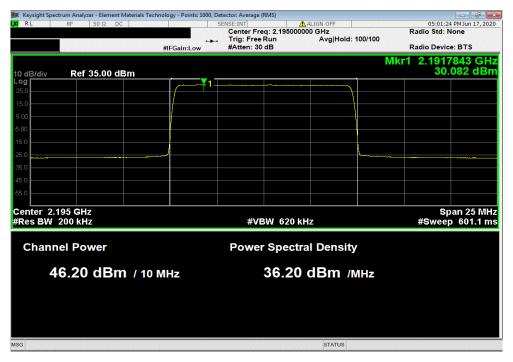


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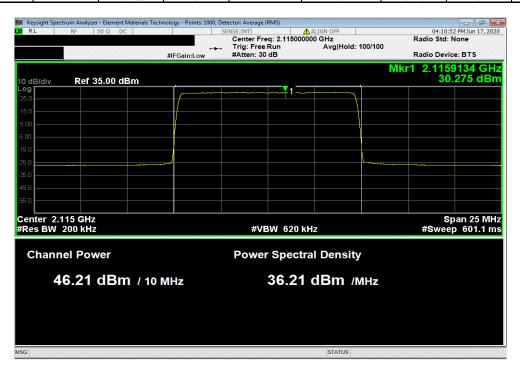


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Port 4,	Band n66, 2110 M	Hz - 2200 MHz,	10 MHz Bandwidth	, 64-QAM Modulation	, High Channel 2	195 MHz
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
	46.197	0	Not Provided	46.2	62.15	N/A



	Port 4, Bar	nd n66, 2110 MF	Hz - 2200 MHz, 1	0 MHz Bandwidth,	256-QAM Modulatio	n, Low Channel 2	2115 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
1		46.208	0	Not Provided	46.2	62.15	N/A

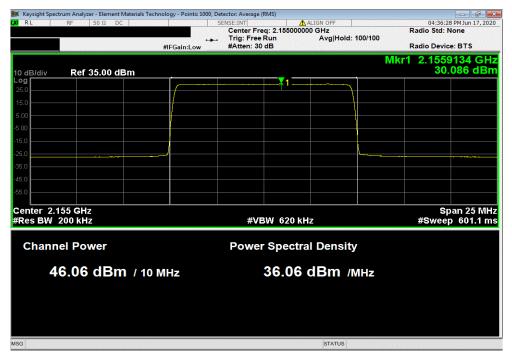


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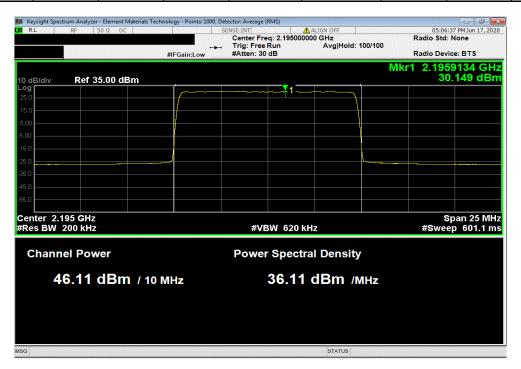


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Port 4	Band n66, 2110 M	Hz - 2200 MHz,	10 MHz Bandwidth ,	, 256-QAM Modulatio	n, Mid Channel 2	2155 MHz
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
	46.06	0	Not Provided	46.1	62.15	N/A



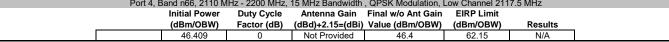
	Port 4, Ba	and n66, 2110 MF	lz - 2200 MHz, 1	0 MHz Bandwidth ,	256-QAM Modulation	n, High Channel 2	2195 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
i		46.114	0	Not Provided	46.1	62.15	N/A

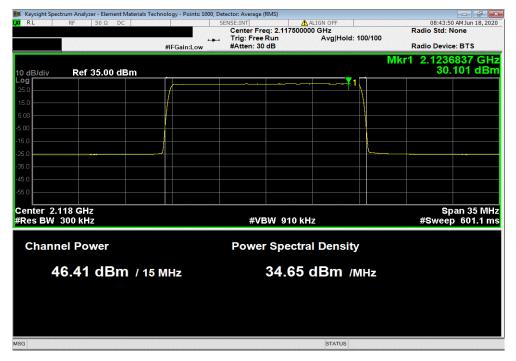


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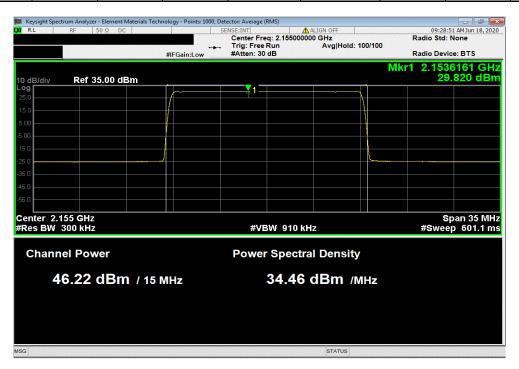


Port 4, Band n66, 2110 MHz - 2200 MHz, 15 MHz Bandwidth , QPSK Modulation, Low Channel 2117.5 MHz Initial Power **Duty Cycle** Antenna Gain Final w/o Ant Gain **EIRP Limit**





	Port 4,	Band n66, 2110 I	MHz - 2200 MHz,	15 MHz Bandwidtl	n, QPSK Modulation,	, Mid Channel 21	55 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
l		46.224	0	Not Provided	46.2	62.15	N/A

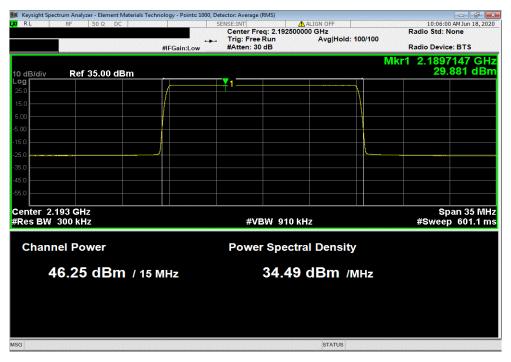


Report No. NOKI0016 112/381

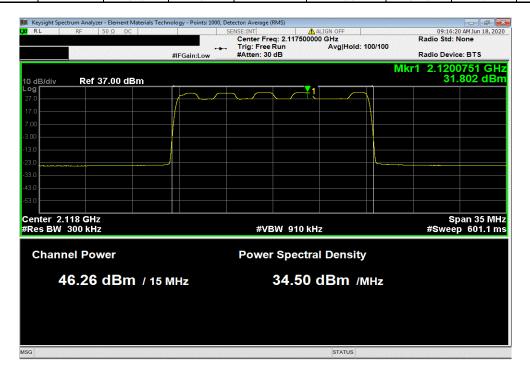


Port 4, Band n66, 2110 MHz - 2200 MHz, 15 MHz Bandwidth , QPSK Modulation, High Channel 2192.5 MHz
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit
(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.252 0 Not Provided 46.3 62.15 N/A



Port 4, Ba	and n66, 2110 MF	Iz - 2200 MHz, 1	5 MHz Bandwidth ,	16-QAM Modulation,	Low Channel 21	17.5 MHz
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
	46.264	0	Not Provided	46.3	62.15	N/A



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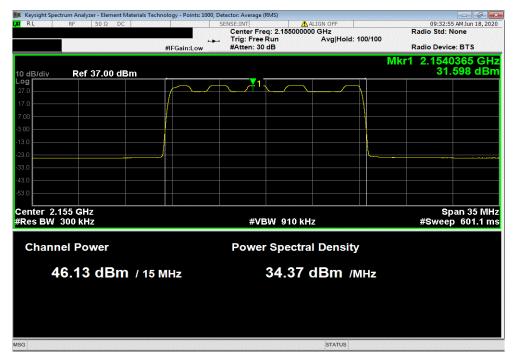
Port 4, Band n66, 2110 MHz - 2200 MHz, 15 MHz Bandwidth , 16-QAM Modulation, Mid Channel 2155 MHz

Port 4, Band noo, 2110 MHz - 2200 MHz, 15 MHz Bandwidth , 16-QAM Modulation, Mid Channel 2155 MHz

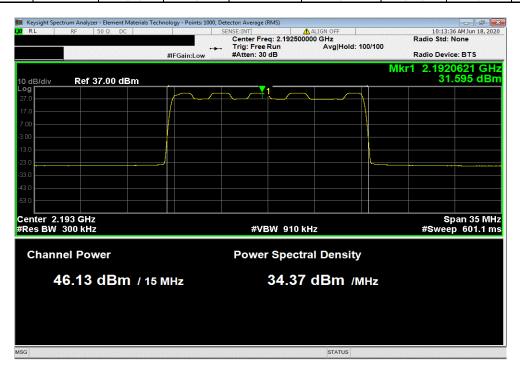
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit

(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.134 0 Not Provided 46.1 62.15 N/A



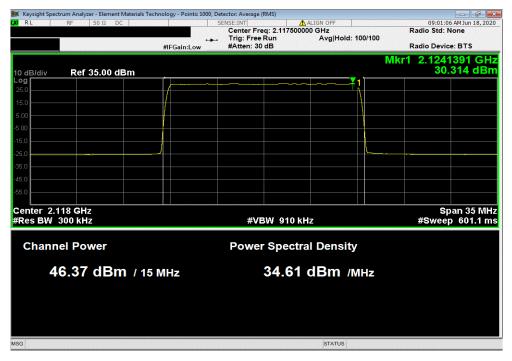
	Port 4, Ba	and n66, 2110 MF	lz - 2200 MHz, 1	5 MHz Bandwidth ,	16-QAM Modulation,	High Channel 21	192.5 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
1		46.13	0	Not Provided	46.1	62.15	N/A



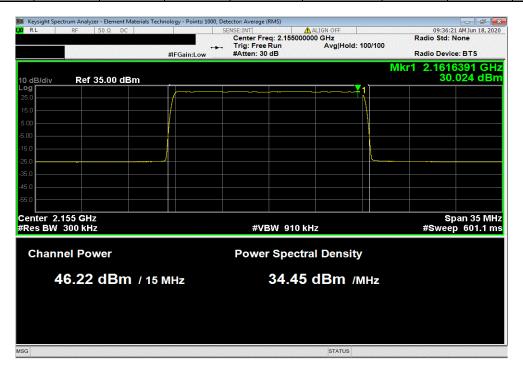
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Port 4, B	and n66, 2110 MH	Hz - 2200 MHz, 1	5 MHz Bandwidth ,	64-QAM Modulation,	Low Channel 21	17.5 MHz
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
	46.371	0	Not Provided	46.4	62.15	N/A



	Port 4, E	Band n66, 2110 N	1Hz - 2200 MHz,	15 MHz Bandwidth	, 64-QAM Modulation	n, Mid Channel 2	155 MHz
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
i		46.216	0	Not Provided	46.2	62.15	N/A

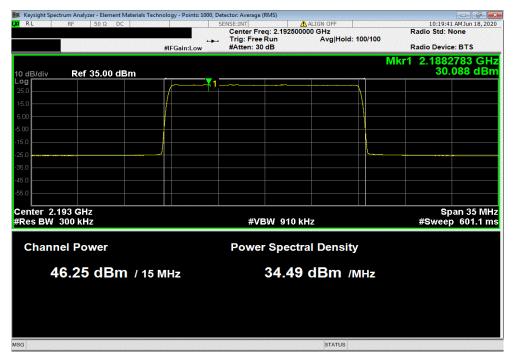


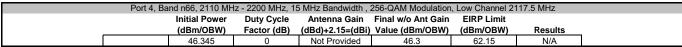
Report No. NOKI0016 115/381

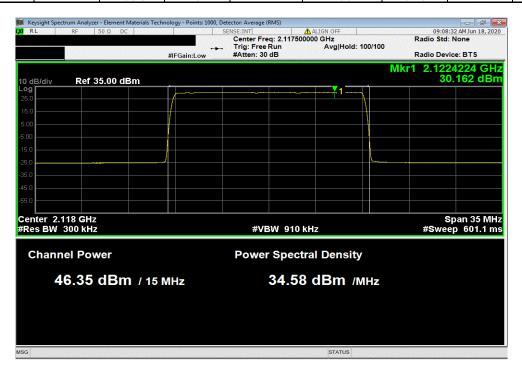


Port 4 Pandings 2110 MHz 2200 MHz 15 MHz Pandwidth 64 OAM Modulation High Channel 2102 5 MHz

Port 4, Band n66, 2110 MHz - 2200 MHz, 15 MHz Bandwidth , 64-QAM Modulation, High Channel 2192.5 MHz										
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit					
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results				
	46.253	0	Not Provided	46.3	62.15	N/A				





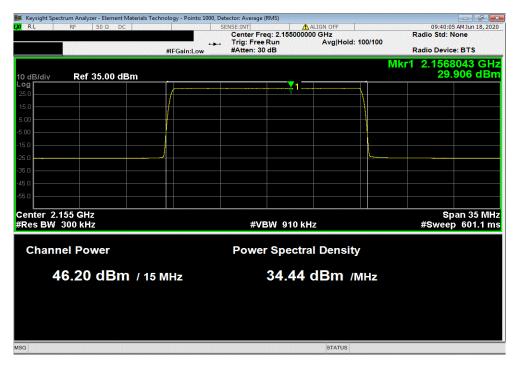


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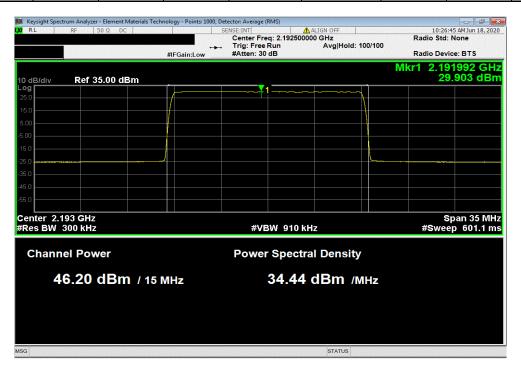


Port 4, Band n66, 2110 MHz - 2200 MHz, 15 MHz Bandwidth , 256-QAM Modulation, Mid Channel 2155 MHz





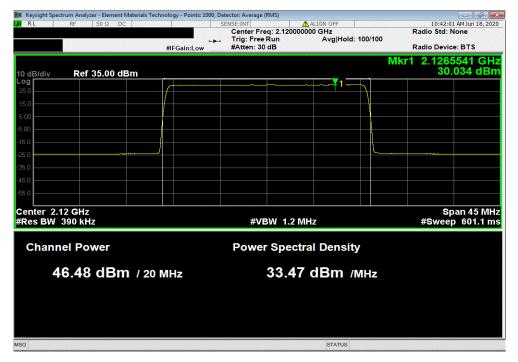
Port 4, Band n66, 2110 MHz - 2200 MHz, 15 MHz Bandwidth , 256-QAM Modulation, High Channel 2192.5 MHz									
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit				
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results			
	46.2	0	Not Provided	46.2	62.15	N/A			



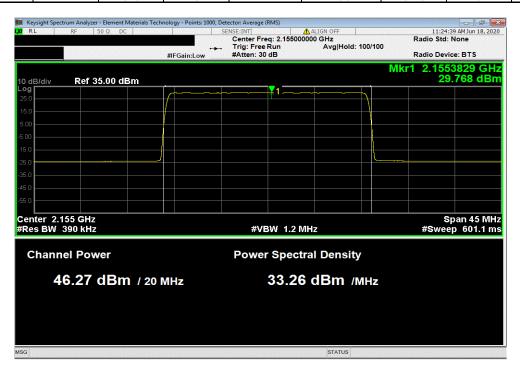
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Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, QPSK Modulation, Low Channel 2120 MHz									
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit									
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results			
	46.477	0	Not Provided	46.5	62.15	N/A			



Port 4,	Band n66, 2110	MHz - 2200 MHz	, 20 MHz Bandwidt	h, QPSK Modulation,	Mid Channel 215	55 MHz
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
	46.267	0	Not Provided	46.3	62.15	N/A

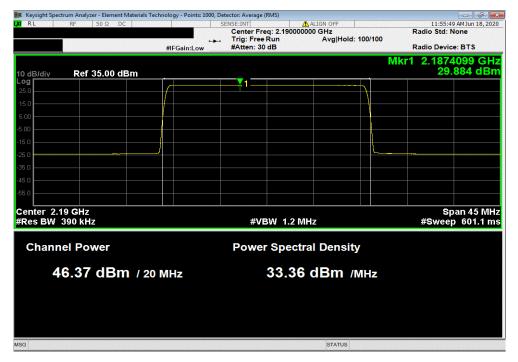


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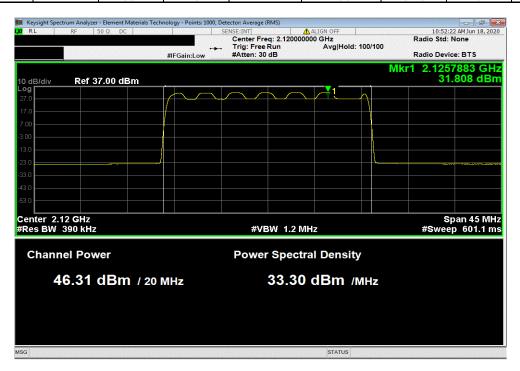


Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, QPSK Modulation, High Channel 2190 MHz

Port 4, I	Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, QPSK Modulation, High Channel 2190 MHz									
	Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit									
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results				
	46.366	0	Not Provided	46.4	62.15	N/A				



	Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, 16-QAM Modulation, Low Channel 2120 MHz								
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit			
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results		
l		46.311	0	Not Provided	46.3	62.15	N/A		



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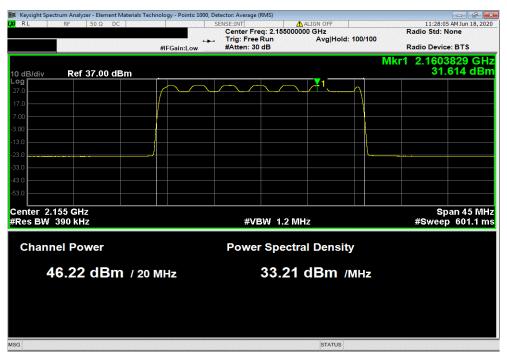


Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, 16-QAM Modulation, Mid Channel 2155 MHz

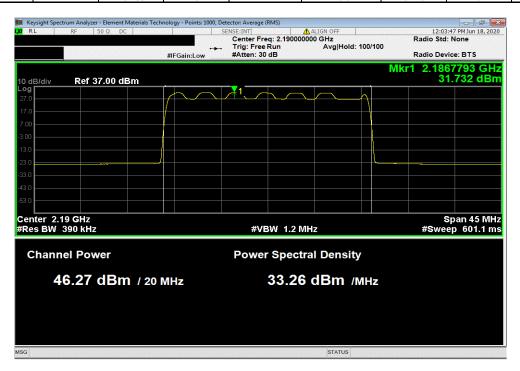
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit

(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.219 0 Not Provided 46.2 62.15 N/A



Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, 16-QAM Modulation, High Channel 2190 MHz								
	Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit			
	(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results		
	46.268	0	Not Provided	46.3	62.15	N/A		



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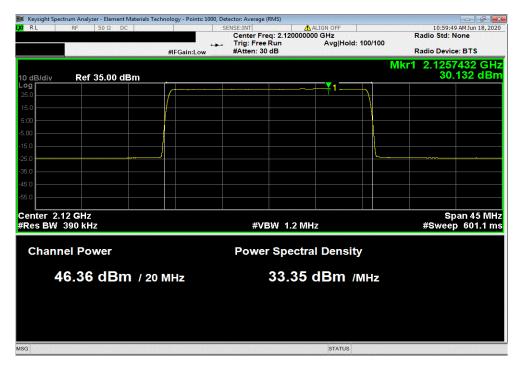


Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, 64-QAM Modulation, Low Channel 2120 MHz

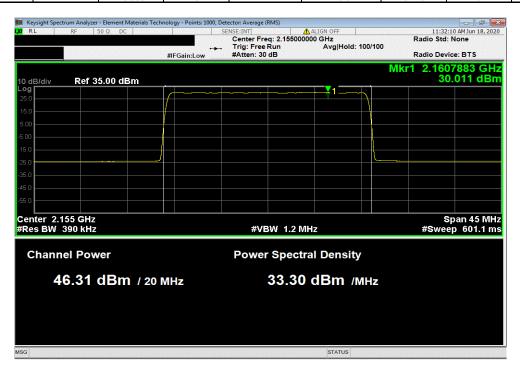
Initial Power Duty Cycle Antenna Gain Final w/o Ant Gain EIRP Limit

(dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results

46.363 0 Not Provided 46.4 62.15 N/A



ſ	Port 4, Ba	and n66, 2110 N	MHz - 2200 MHz,	20 MHz Bandwidth	, 64-QAM Modulatior	n, Mid Channel 21	55 MHz
I		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit	
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results
ı		46.306	0	Not Provided	46.3	62.15	N/A

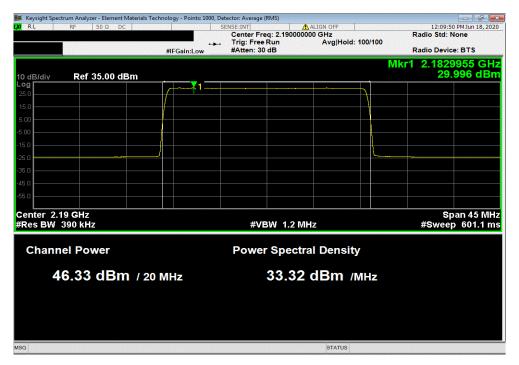


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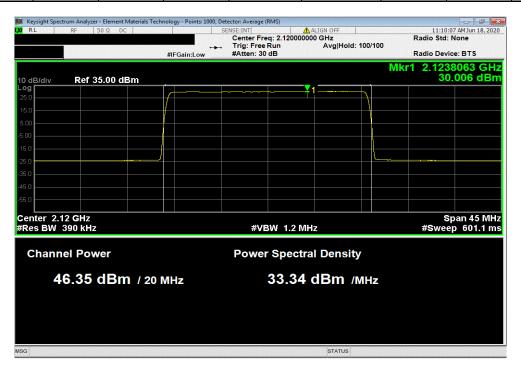


Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, 64-QAM Modulation, High Channel 2190 MHz





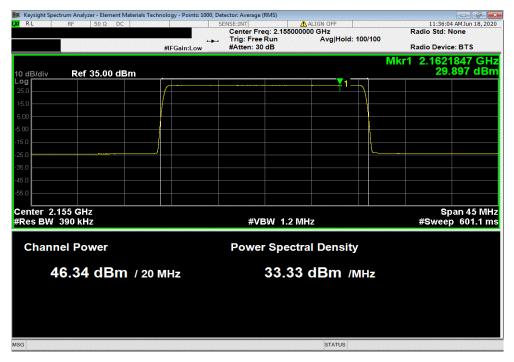
ı	Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, 256-QAM Modulation, Low Channel 2120 MHz									
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit				
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results			
		46.348	0	Not Provided	46.3	62.15	N/A			



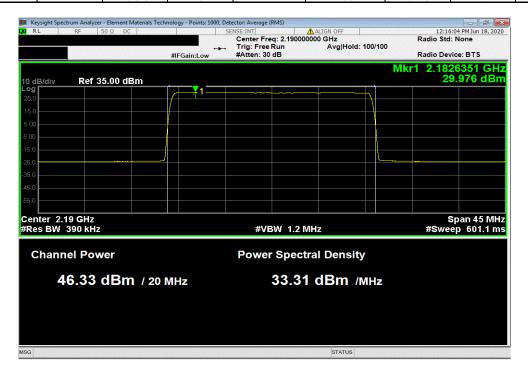
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Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, 256-QAM Modulation, Mid Channel 2155 MHz Initial Power **Duty Cycle** Antenna Gain Final w/o Ant Gain **EIRP Limit** (dBm/OBW) Factor (dB) (dBd)+2.15=(dBi) Value (dBm/OBW) (dBm/OBW) Results 46.336 0 Not Provided 46.3 62.15 N/A



	Port 4, Band n66, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, 256-QAM Modulation, High Channel 2190 MHz									
		Initial Power	Duty Cycle	Antenna Gain	Final w/o Ant Gain	EIRP Limit				
		(dBm/OBW)	Factor (dB)	(dBd)+2.15=(dBi)	Value (dBm/OBW)	(dBm/OBW)	Results			
l		46.325	0	Not Provided	46.3	62.15	N/A			



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XMit 2020.03.25.0

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
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	27-Feb-20	27-Feb-21
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21

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 part 24.232(d), the PAPR limit shall not exceed 13 dB for more than the ANSI described 0.1% of the time.

RF conducted emissions testing was performed only on one port. The testing was performed on the same version of hardware (AHFIG) as the original certification test. The AHFIG antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the original certification testing) and antenna port 4 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.7.2i.

Carrier bandwidths of 10, 15, & 20MHz were verified using NB IoT GB carriers under this effort. The LTE modulation type for this testing was set up according to 3GPP TS 36.141 E-UTRA Test Models and is "E-TM 1.1 (QPSK modulation type) with N-TM (narrow band IoT)".

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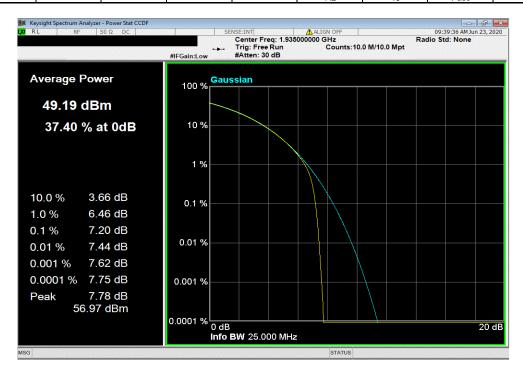


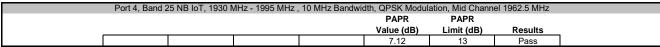
						TbtTx 2020.06.08.0 BETA	
	AHFIG				Work Order:		
Serial Number:						23-Jun-20	
	Nokia Solutions and Ne				Temperature:		
	Mitchell Hill, John Ratta	inavong				52.8% RH	
Project:					Barometric Pres.:		
	Brandon Hobbs		Power: 54 VDC		Job Site:	TX05	
ST SPECIFICATI	IONS		Test Method				
CC 24E:2020			ANSI C63.26:201	15			
DMMENTS			fest including any attenuators, filters and De				
VIATIONS FROM	M TEST STANDARD						
one							
onfiguration #	6		1 1				
omiguration #		Signature	7.1				
			1 1 1 m		PAPR Value (dB)	PAPR Limit (dB)	Results
rt 4, Band 25 NB	IoT, 1930 MHz - 1995 MHz		Jan Hour				Results
rt 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth	z	Jan () and				Results
rt 4, Band 25 NB	IoT, 1930 MHz - 1995 MHz	z ulation	Jan () and)		Value (dB)	Limit (dB)	
ort 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth	z ulation Low Channel 1935 MHz			Value (dB)	Limit (dB)	Pass
rt 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth	z Low Channel 1935 MHz Mid Channel 1962.5 MHz			Value (dB) 7.2 7.1	Limit (dB) 13 13	Pass Pass
ort 4, Band 25 NB	IoT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modi	z ulation Low Channel 1935 MHz			Value (dB)	Limit (dB)	Pass
rt 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modu 15 MHz Bandwidth	z ulation Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz			Value (dB) 7.2 7.1	Limit (dB) 13 13	Pass Pass
rt 4, Band 25 NB	IoT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modi	z Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz ulation			Value (dB) 7.2 7.1 7.1	13 13 13	Pass Pass Pass
ort 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modu 15 MHz Bandwidth	z Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz ulation Low Channel 1937.5 MHz			7.2 7.1 7.1 7.3	13 13 13 13	Pass Pass Pass
ort 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modu 15 MHz Bandwidth	z Llation Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz Llation Low Channel 1937.5 MHz Mid Channel 1962.5 MHz			7.2 7.1 7.1 7.1 7.3 7.2	13 13 13 13 13 13	Pass Pass Pass Pass
rt 4, Band 25 NB	IoT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modu 15 MHz Bandwidth QPSK Modu	z Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz ulation Low Channel 1937.5 MHz			7.2 7.1 7.1 7.3	13 13 13 13	Pass Pass Pass
ort 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modu 15 MHz Bandwidth QPSK Modu	z Llation Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz Llation Low Channel 1937.5 MHz Mid Channel 1962.5 MHz High Channel 1987.5 MHz			7.2 7.1 7.1 7.1 7.3 7.2	13 13 13 13 13 13	Pass Pass Pass Pass
ort 4, Band 25 NB	IoT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modu 15 MHz Bandwidth QPSK Modu	z Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz Ulation Low Channel 1937.5 MHz Mid Channel 1962.5 MHz High Channel 1987.5 MHz			7.2 7.1 7.1 7.3 7.2 7.2	13 13 13 13 13 13 13	Pass Pass Pass Pass Pass Pass
ort 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modu 15 MHz Bandwidth QPSK Modu	z Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz ulation Low Channel 1937.5 MHz Mid Channel 1962.5 MHz High Channel 1987.5 MHz Low Channel 1940 MHz			7.2 7.1 7.1 7.3 7.2 7.2 7.4	13 13 13 13 13 13 13 13	Pass Pass Pass Pass Pass Pass Pass
ort 4, Band 25 NB	loT, 1930 MHz - 1995 MHz 10 MHz Bandwidth QPSK Modu 15 MHz Bandwidth QPSK Modu	z Low Channel 1935 MHz Mid Channel 1962.5 MHz High Channel 1990 MHz Ulation Low Channel 1937.5 MHz Mid Channel 1962.5 MHz High Channel 1987.5 MHz			7.2 7.1 7.1 7.3 7.2 7.2	13 13 13 13 13 13 13	Pass Pass Pass Pass Pass Pass

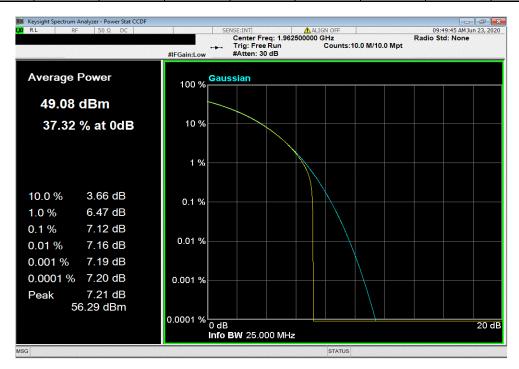
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Port 4, Band 25 NB IoT, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, QPSK Modulation, Low Channel 1935 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.2 13 Pass



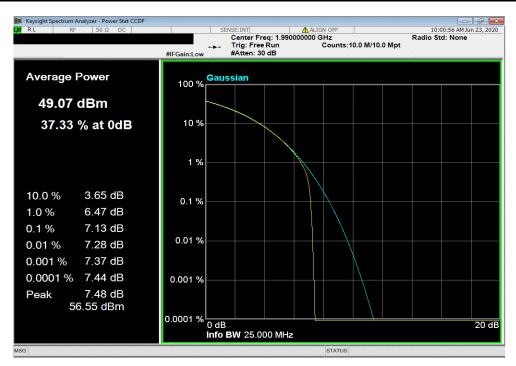


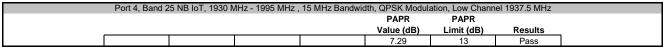


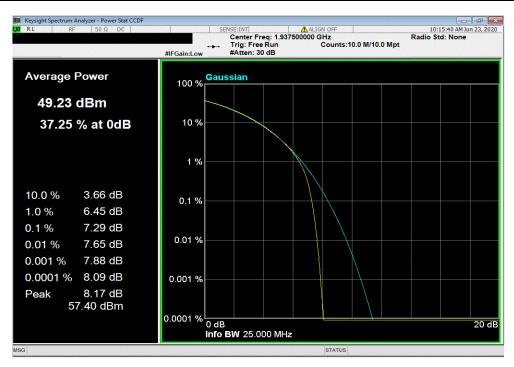
Report No. NOKI0016 126/381



Port 4, Band 25 NB IoT, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, QPSK Modulation, High Channel 1990 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.13 13 Pass



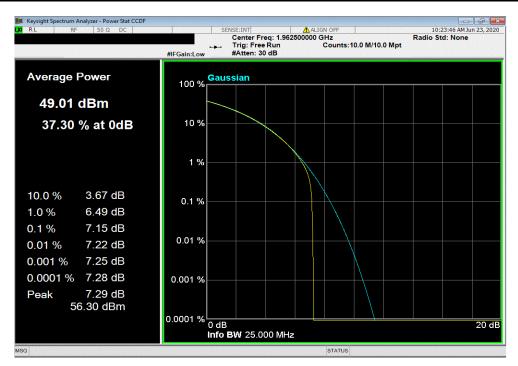


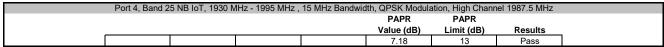


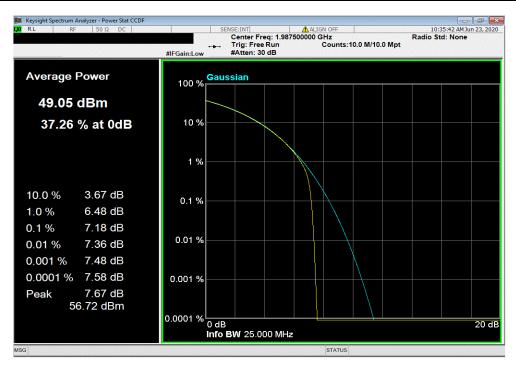
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Port 4, Band 25 NB IoT, 1930 MHz - 1995 MHz , 15 MHz Bandwidth, QPSK Modulation, Mid Channel 1962.5 MHz
PAPR
PAPR
Value (dB) Limit (dB) Results
7.15 13 Pass



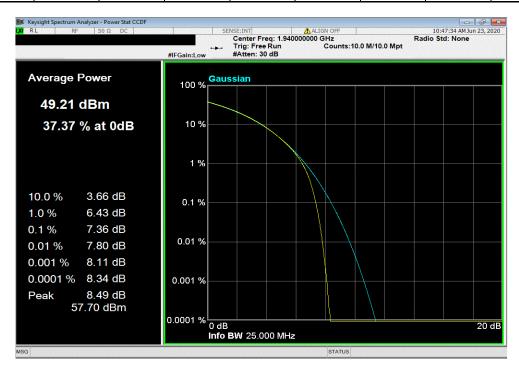


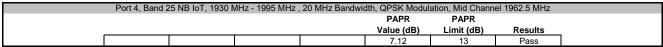


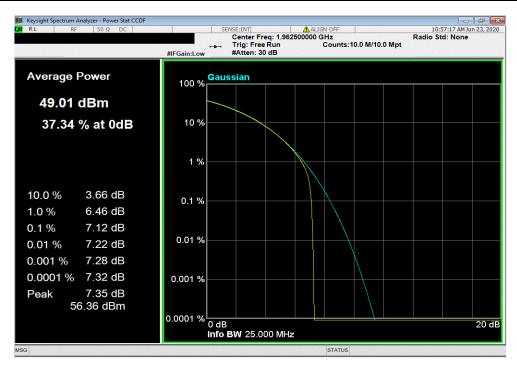
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Port 4, Band 25 NB IoT, 1930 MHz - 1995 MHz , 20 MHz Bandwidth, QPSK Modulation, Low Channel 1940 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.36 13 Pass



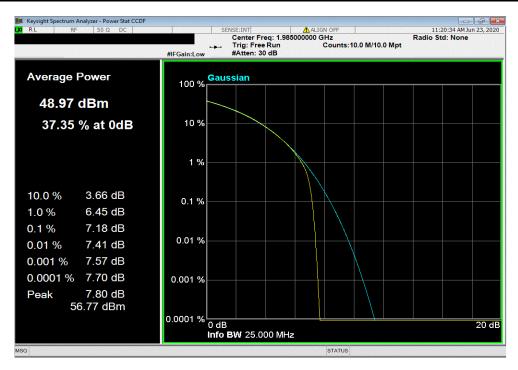




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Port 4, Band 25 NB IoT, 1930 MHz - 1995 MHz , 20 MHz Bandwidth, QPSK Modulation, High Channel 1985 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.18 13 Pass



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XMit 2020.03.25.0

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
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	27-Feb-20	27-Feb-21
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21

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 27.50(d)(2), the PAPR limit shall not exceed 13 dB for more than the ANSI described 0.1% of the time.

RF conducted emissions testing was performed only on one port. The testing was performed on the same version of hardware (AHFIG) as the original certification test. The AHFIG antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the original certification testing) and antenna port 4 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.7.2

Carrier bandwidths of 10, 15, & 20MHz were verified using NB IoT GB carriers under this effort. The LTE modulation type for this testing was set up according to 3GPP TS 36.141 E-UTRA Test Models and is "E-TM 1.1 (QPSK modulation type) with N-TM (narrow band IoT)".

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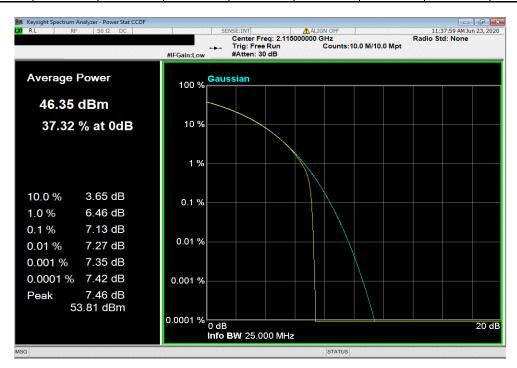


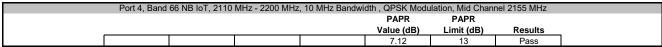
						TbtTx 2020.06.08.0 BETA	XMit 2020.03.25.0
	AHFIG					r: NOKI0016	
Serial Number:						24-Jun-20	
	: Nokia Solutions and Networks				Temperature		
	:: Mitchell Hill, John Rattanavong					/: 52.3% RH	
Project:					Barometric Pres		
	Brandon Hobbs		Power:	54 VDC	Job Site	: TX05	
TEST SPECIFICAT	IONS			Test Method			
FCC 27:2020				ANSI C63.26:2015			
COMMENTS							
		a for all the relevence level unest	moluumy any attenuat	ors, filters and DC blocks. The carrier	was set to maximum for all testing.		
	M TEST STANDARD						
None							
Configuration #	6	Signature	7-7	3-1			
					PAPR Value (dB)	PAPR Limit (dB)	Results
Port 4, Band 66 NB	loT, 2110 MHz - 2200 MHz						Results
Port 4, Band 66 NB	10 MHz Bandwidth						Results
Port 4, Band 66 NB		lation			Value (dB)	Limit (dB)	
Port 4, Band 66 NB	10 MHz Bandwidth	lation Low Channel 2115 MHz			Value (dB)	Limit (dB)	Pass
Port 4, Band 66 NB	10 MHz Bandwidth	lation Low Channel 2115 MHz Mid Channel 2155 MHz			Value (dB) 7.1 7.1	Limit (dB) 13 13	Pass Pass
Port 4, Band 66 NB	10 MHz Bandwidth QPSK Modul	lation Low Channel 2115 MHz			Value (dB)	Limit (dB)	Pass
Port 4, Band 66 NB	10 MHz Bandwidth	lation Low Channel 2115 MHz Mid Channel 2155 MHz High Channel 2195 MHz lation			Value (dB) 7.1 7.1 7.2	Limit (dB) 13 13	Pass Pass
Port 4, Band 66 NB	10 MHz Bandwidth QPSK Modul 15 MHz Bandwidth	lation Low Channel 2115 MHz Mid Channel 2155 MHz High Channel 2195 MHz lation Low Channel 2117.5 MHz			Value (dB) 7.1 7.1 7.2 7.2	13 13 13 13	Pass Pass Pass
Port 4, Band 66 NB	10 MHz Bandwidth QPSK Modul 15 MHz Bandwidth	lation Low Channel 2115 MHz Mid Channel 2155 MHz High Channel 2195 MHz lation Low Channel 2117.5 MHz Mid Channel 2155 MHz			7.1 7.1 7.2 7.2	13 13 13 13 13 13 13 13 13 13 13 13 13 1	Pass Pass Pass Pass Pass
Port 4, Band 66 NB	10 MHz Bandwidth QPSK Modul 15 MHz Bandwidth QPSK Modul	lation Low Channel 2115 MHz Mid Channel 2155 MHz High Channel 2195 MHz lation Low Channel 2117.5 MHz			Value (dB) 7.1 7.1 7.2 7.2	13 13 13 13	Pass Pass Pass
Port 4, Band 66 NB	10 MHz Bandwidth QPSK Modul 15 MHz Bandwidth	lation Low Channel 2115 MHz Mid Channel 2155 MHz High Channel 2195 MHz lation Low Channel 2117.5 MHz Mid Channel 2155 MHz High Channel 2192.5 MHz			7.1 7.1 7.2 7.2	13 13 13 13 13 13 13 13 13 13 13 13 13 1	Pass Pass Pass Pass Pass
Port 4, Band 66 NB	10 MHz Bandwidth QPSK Modul 15 MHz Bandwidth QPSK Modul 20 MHz Bandwidth	lation Low Channel 2115 MHz Mid Channel 2155 MHz High Channel 2195 MHz lation Low Channel 2117.5 MHz Mid Channel 2155 MHz High Channel 2192.5 MHz			7.1 7.1 7.2 7.2	13 13 13 13 13 13 13 13 13 13 13 13 13 1	Pass Pass Pass Pass Pass
Port 4, Band 66 NB	10 MHz Bandwidth QPSK Modul 15 MHz Bandwidth QPSK Modul 20 MHz Bandwidth QPSK Modul	lation Low Channel 2115 MHz Mid Channel 2155 MHz High Channel 2195 MHz lation Low Channel 2117.5 MHz Mid Channel 2155 MHz High Channel 2155 MHz High Channel 2192.5 MHz			7.1 7.1 7.2 7.2 7.2 7.1 7.2	13 13 13 13 13 13 13 13 13 13 13 13 13 1	Pass Pass Pass Pass Pass Pass

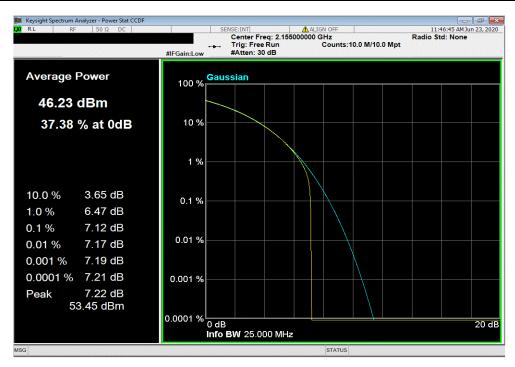
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Port 4, Band 66 NB IoT, 2110 MHz - 2200 MHz, 10 MHz Bandwidth , QPSK Modulation, Low Channel 2115 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.13 13 Pass



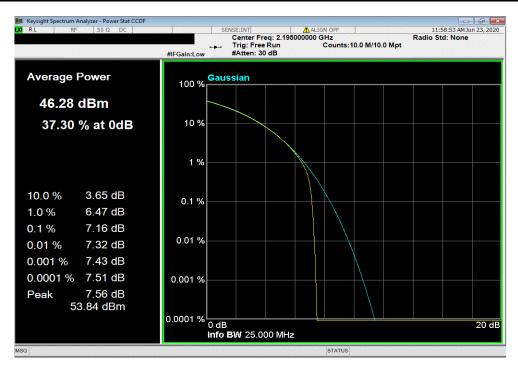


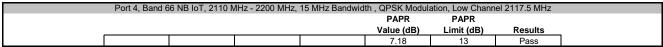


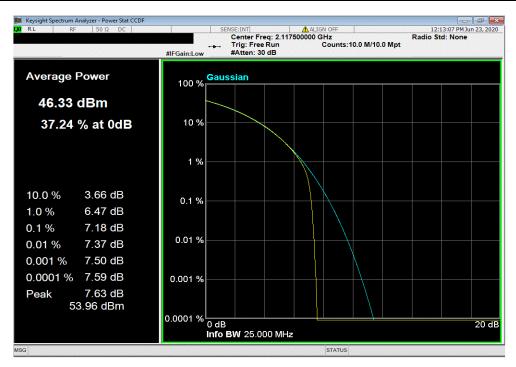
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Port 4, Band 66 NB IoT, 2110 MHz - 2200 MHz, 10 MHz Bandwidth , QPSK Modulation, High Channel 2195 MHz
PAPR
PAPR
Value (dB) Limit (dB) Results
7.16 13 Pass



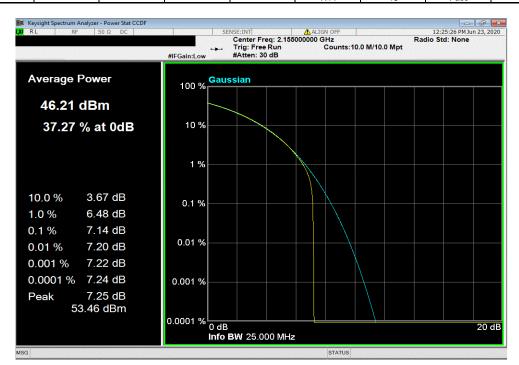


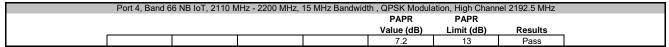


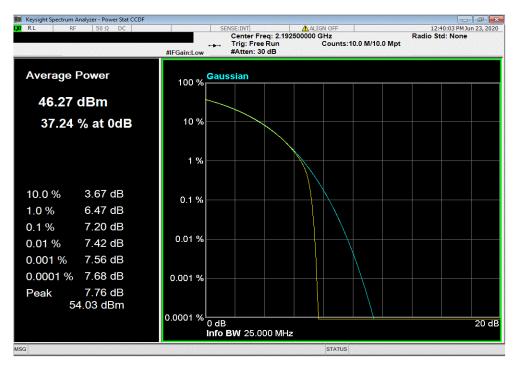
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Port 4, Band 66 NB IoT, 2110 MHz - 2200 MHz, 15 MHz Bandwidth , QPSK Modulation, Mid Channel 2155 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.14 13 Pass



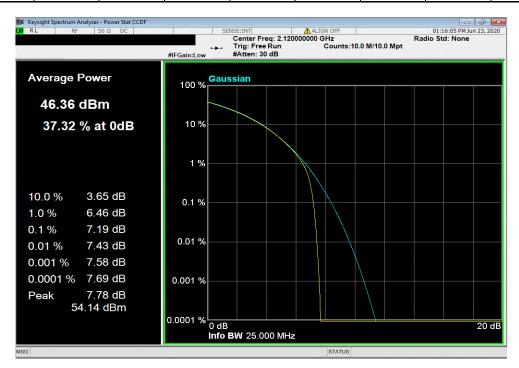


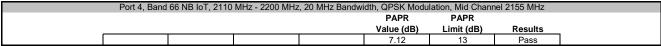


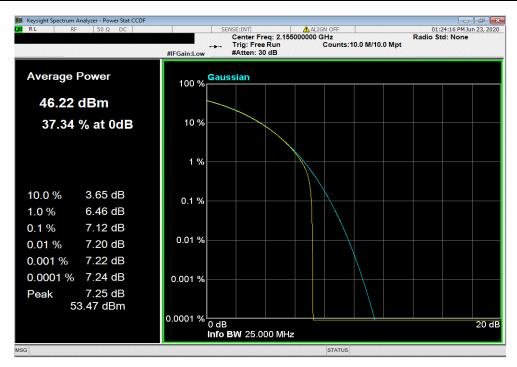
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Port 4, Band 66 NB IoT, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, QPSK Modulation, Low Channel 2120 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.19 13 Pass



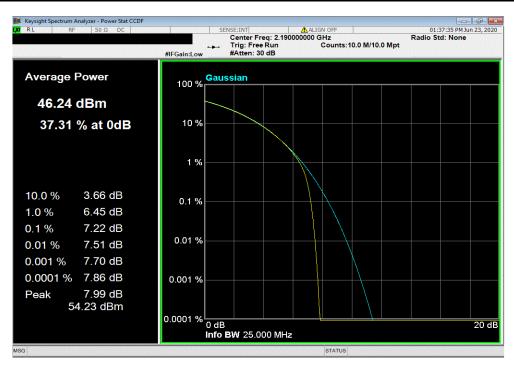




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Port 4, Band 66 NB IoT, 2110 MHz - 2200 MHz, 20 MHz Bandwidth, QPSK Modulation, High Channel 2190 MHz
PAPR PAPR
Value (dB) Limit (dB) Results
7.22 13 Pass



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