

OUTPUT POWER BAND 66a



XMIT 2019.09.05

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	Keysight	N9010A	AFM	19-Mar-19	19-Mar-20
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 FCC sections 27.50(d), 27.55(a)(1), RSS-139 6.5, RSS-170 5.3.1, the Equivalent Isotropically Radiated Power (EIRP) of the transceiver cannot exceed 1640 Watts/MHz.

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EUT: AHFIA		Work Order: NOKI0008	
Serial Number: K9174623559		Date: 14-Feb-20	
Customer: Nokia of America Corporation		Temperature: 22.6 °C	
Attendees: Mitch Hill, John Rattanavong		Humidity: 24.9% RH	
Project: None		Barometric Pres.: 1032 mbar	
Tested by: Brandon Hobbs	Power: 54VDC	Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 27:2020		ANSI C63.26:2015	
RSS-139:2015, RSS-170:2015		RSS-139:2015, RSS-170:2015	
COMMENTS			
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. The data was taken using the highest output power port which was found in the original client provided test report.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature	
		Initial Power (dBm/OW)	Duty Cycle Factor (dB)
		Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OW)
		Limit EIRP (dBm/OW)	Results

Band 66a (Single Carrier) Port 4

QPSK

5 MHz

Low Channel, 2112.5 MHz
Mid Channel, 2145 MHz
High Channel, 2177.5 MHz

45.943
46.08
46.103

0
0
0

Not Provided
Not Provided
Not Provided

45.9
46.1
46.1

N/A
N/A
N/A

N/A
N/A
N/A

10 MHz

Low Channel, 2115 MHz
Mid Channel, 2145 MHz
High Channel, 2175 MHz

45.995
45.979
45.921

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
45.9

N/A
N/A
N/A

N/A
N/A
N/A

15 MHz

Low Channel, 2117.5 MHz
Mid Channel, 2145 MHz
High Channel, 2172.5 MHz

46.004
45.949
45.949

0
0
0

Not Provided
Not Provided
Not Provided

46.0
45.9
45.9

N/A
N/A
N/A

N/A
N/A
N/A

20 MHz

Low Channel, 2120 MHz
Mid Channel, 2145 MHz
High Channel, 2170 MHz

46.079
45.98
46.105

0
0
0

Not Provided
Not Provided
Not Provided

46.1
46.0
46.1

N/A
N/A
N/A

N/A
N/A
N/A

16-QAM

5 MHz

Low Channel, 2112.5 MHz
Mid Channel, 2145 MHz
High Channel, 2177.5 MHz

45.955
46.041
46.095

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
46.1

N/A
N/A
N/A

N/A
N/A
N/A

10 MHz

Low Channel, 2115 MHz
Mid Channel, 2145 MHz
High Channel, 2175 MHz

46.031
45.977
45.891

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
45.9

N/A
N/A
N/A

N/A
N/A
N/A

15 MHz

Low Channel, 2117.5 MHz
Mid Channel, 2145 MHz
High Channel, 2172.5 MHz

45.988
45.968
45.936

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
45.9

N/A
N/A
N/A

N/A
N/A
N/A

20 MHz

Low Channel, 2120 MHz
Mid Channel, 2145 MHz
High Channel, 2170 MHz

46.026
45.959
46.005

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
46.0

N/A
N/A
N/A

N/A
N/A
N/A

64-QAM

5 MHz

Low Channel, 2112.5 MHz
Mid Channel, 2145 MHz
High Channel, 2177.5 MHz

45.864
45.946
46.031

0
0
0

Not Provided
Not Provided
Not Provided

45.9
45.9
46.0

N/A
N/A
N/A

N/A
N/A
N/A

10 MHz

Low Channel, 2115 MHz
Mid Channel, 2145 MHz
High Channel, 2175 MHz

46.024
45.978
45.862

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
45.9

N/A
N/A
N/A

N/A
N/A
N/A

15 MHz

Low Channel, 2117.5 MHz
Mid Channel, 2145 MHz
High Channel, 2172.5 MHz

45.969
45.976
45.938

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
45.9

N/A
N/A
N/A

N/A
N/A
N/A

20 MHz

Low Channel, 2120 MHz
Mid Channel, 2145 MHz
High Channel, 2170 MHz

46.065
46.029
46.053

0
0
0

Not Provided
Not Provided
Not Provided

46.1
46.0
46.1

N/A
N/A
N/A

N/A
N/A
N/A

256-QAM

5 MHz

Low Channel, 2112.5 MHz
Mid Channel, 2145 MHz
High Channel, 2177.5 MHz

45.89
45.962
46.024

0
0
0

Not Provided
Not Provided
Not Provided

45.9
46.0
46.0

N/A
N/A
N/A

N/A
N/A
N/A

10 MHz

Low Channel, 2115 MHz
Mid Channel, 2145 MHz
High Channel, 2175 MHz

46.034
45.954
45.838

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
45.8

N/A
N/A
N/A

N/A
N/A
N/A

15 MHz

Low Channel, 2117.5 MHz
Mid Channel, 2145 MHz
High Channel, 2172.5 MHz

45.922
45.978
45.912

0
0
0

Not Provided
Not Provided
Not Provided

45.9
46.0
45.9

N/A
N/A
N/A

N/A
N/A
N/A

20 MHz

Low Channel, 2120 MHz
Mid Channel, 2145 MHz
High Channel, 2170 MHz

46.014
46.005
46.038

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.0
46.0

N/A
N/A
N/A

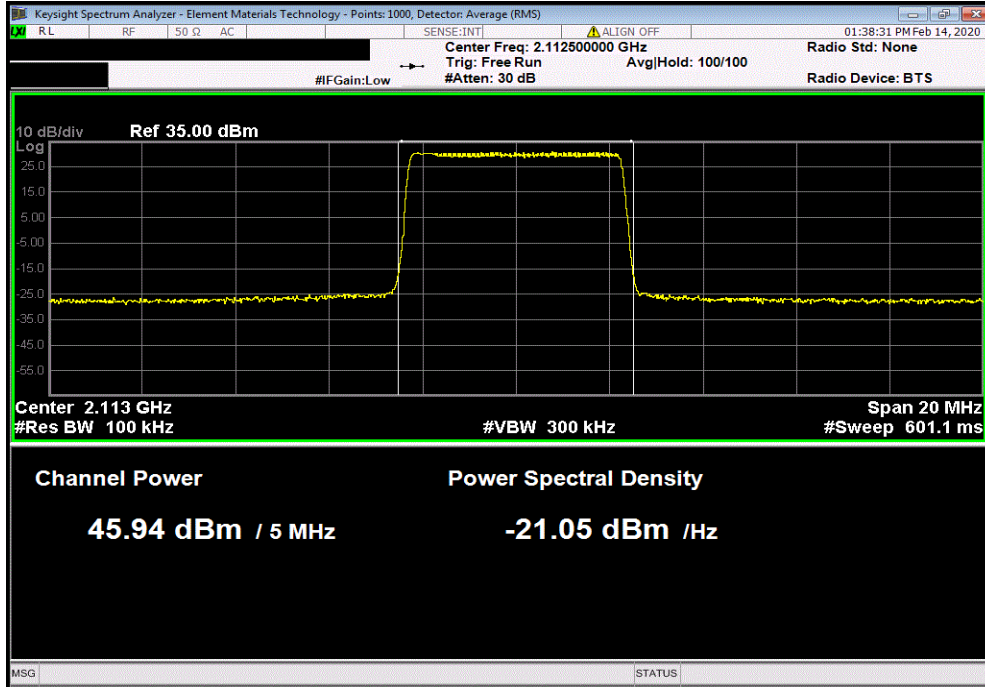
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N/A
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OUTPUT POWER BAND 66a

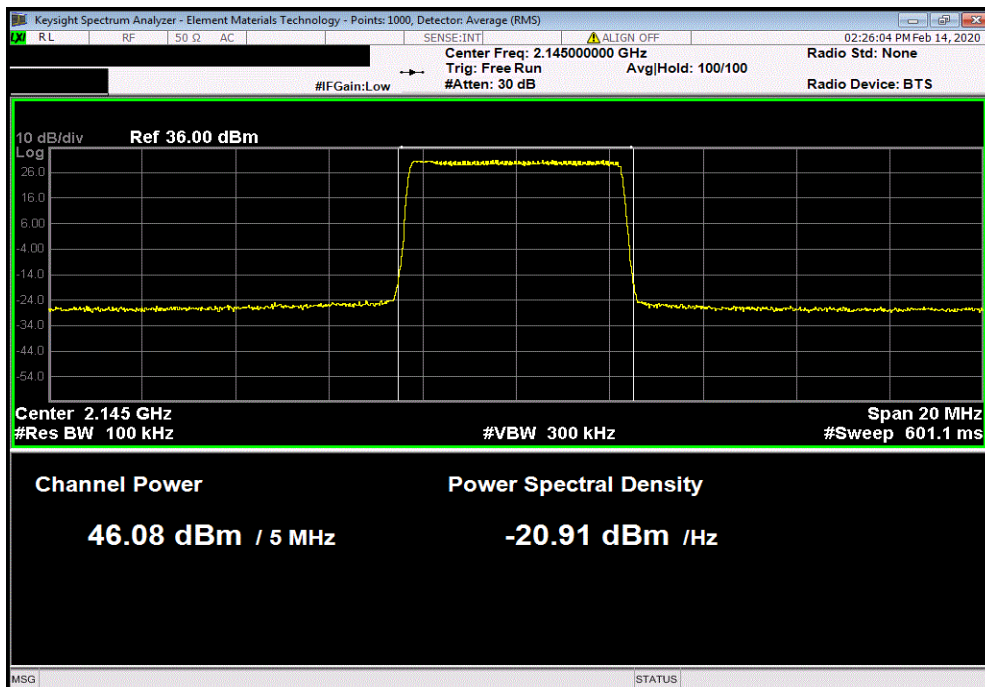


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Band 66a (Single Carrier) Port 4, QPSK, 5 MHz, Low Channel, 2112.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.943	0	Not Provided	45.9	N/A	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 5 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.08	0	Not Provided	46.1	N/A	N/A	

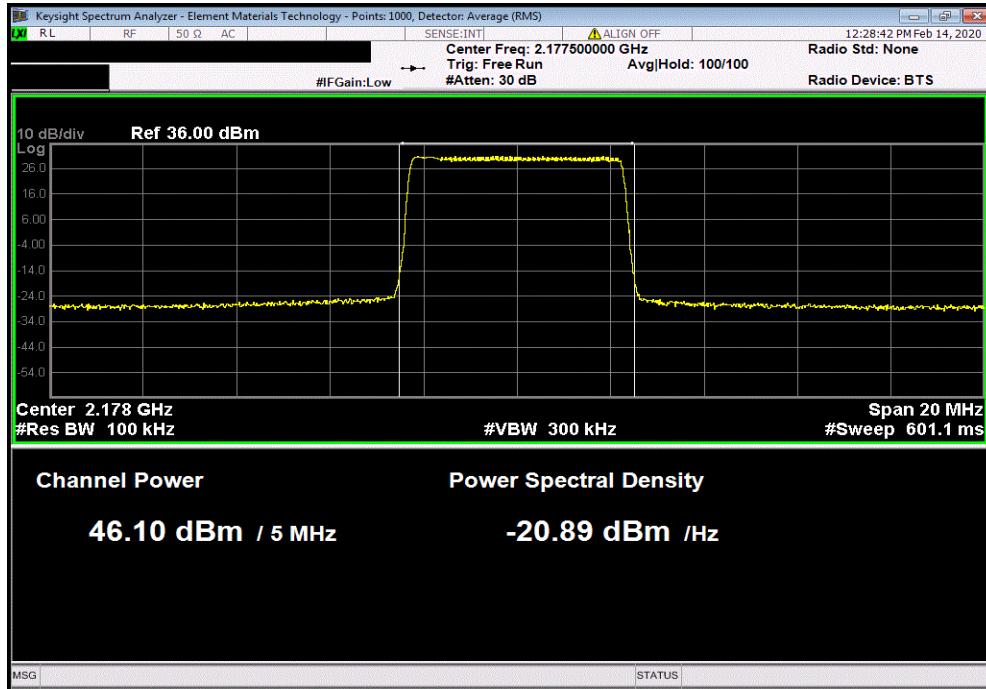


OUTPUT POWER BAND 66a

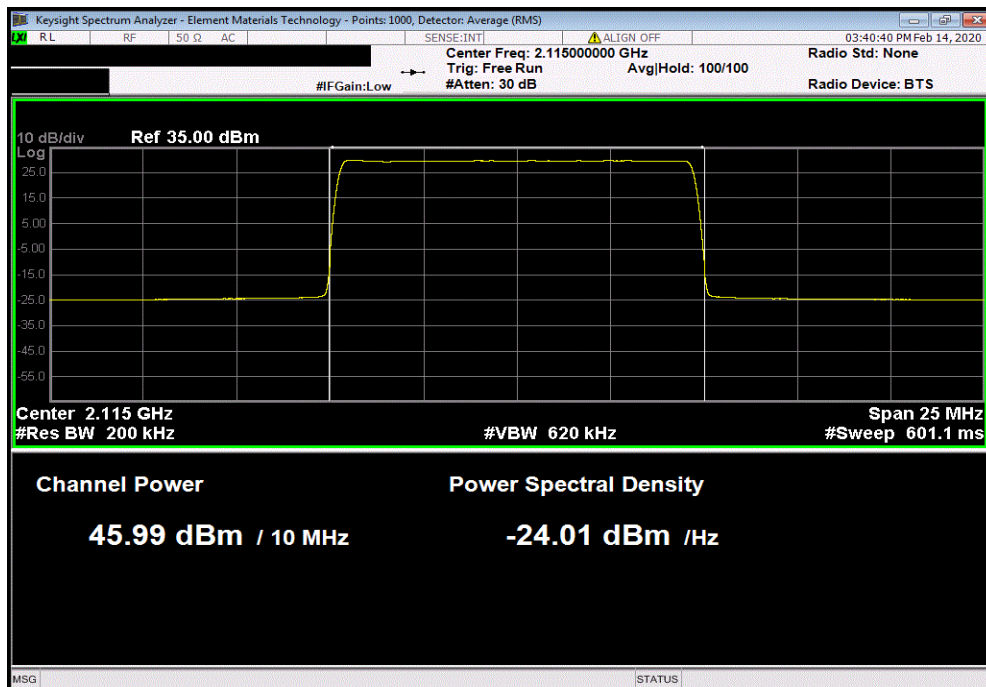


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Band 66a (Single Carrier) Port 4, QPSK, 5 MHz, High Channel, 2177.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.103	0	Not Provided	46.1	N/A	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 10 MHz, Low Channel, 2115 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.995	0	Not Provided	46	N/A	N/A	

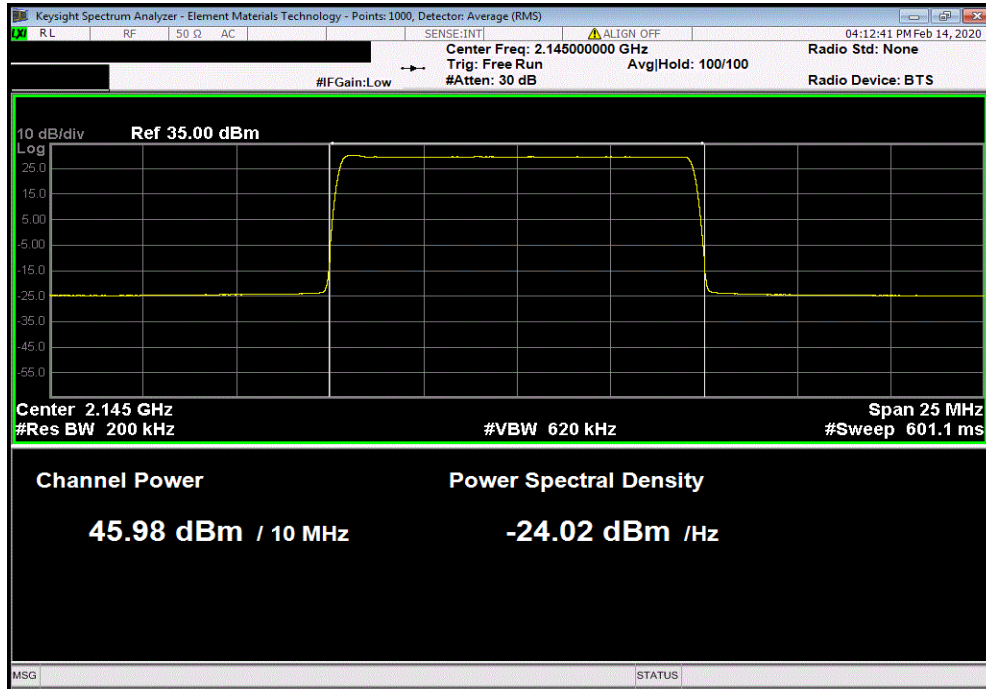


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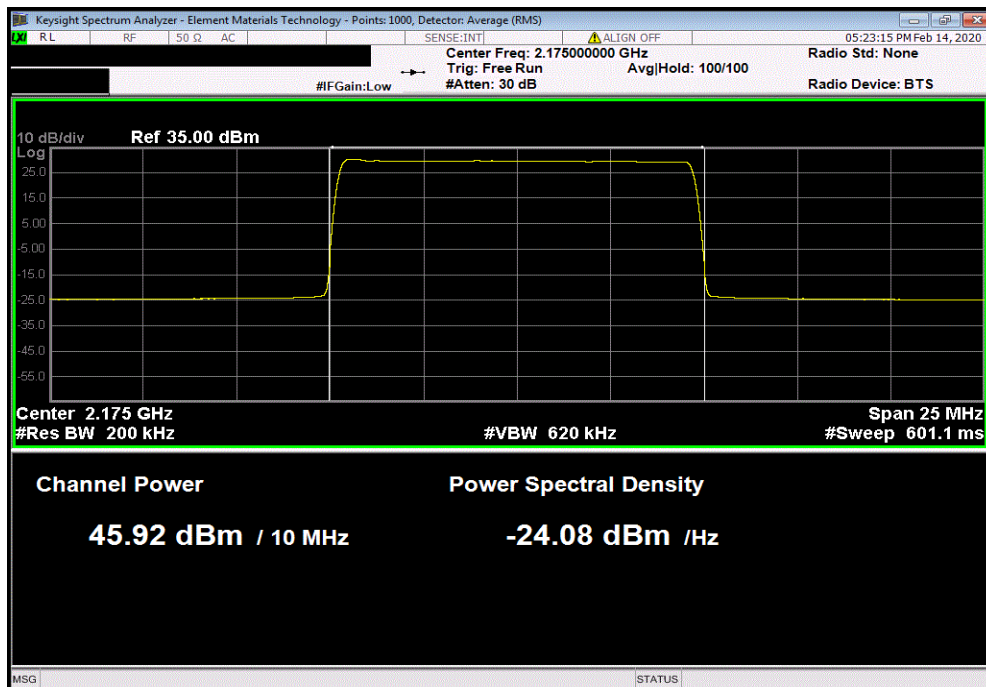


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Band 66a (Single Carrier) Port 4, QPSK, 10 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.979	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 10 MHz, High Channel, 2175 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.921	0	Not Provided	45.9	N/A	N/A	

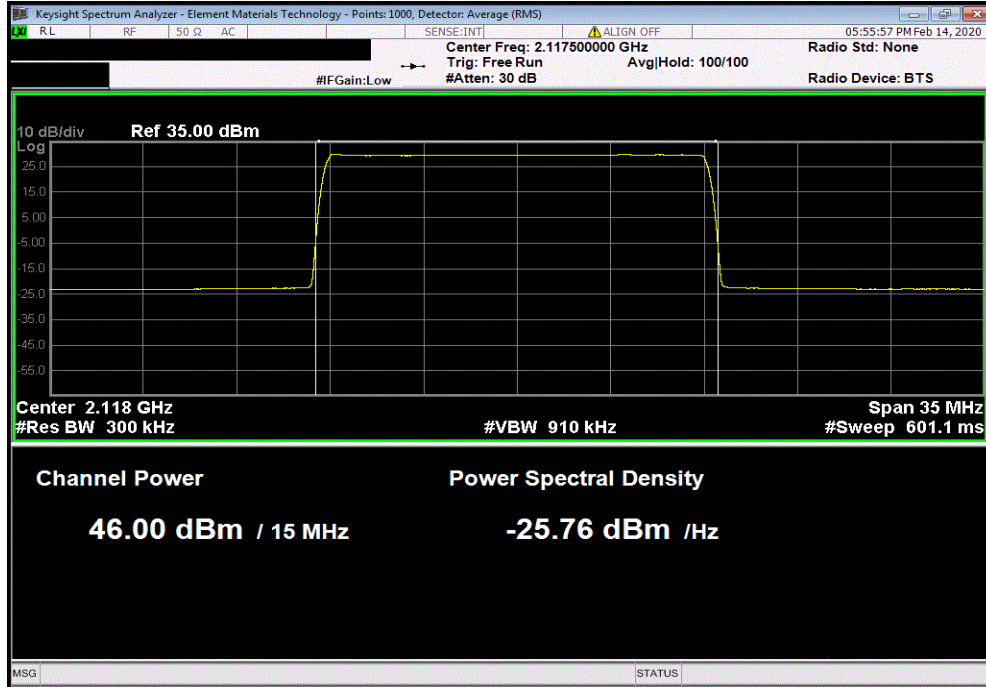


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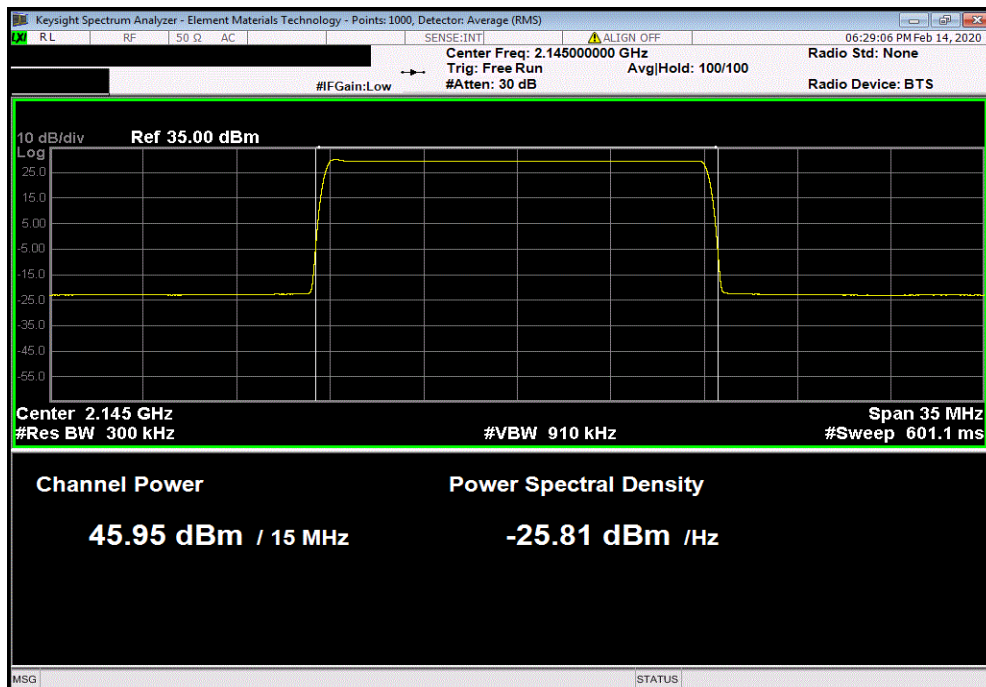


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Band 66a (Single Carrier) Port 4, QPSK, 15 MHz, Low Channel, 2117.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.004	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 15 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.949	0	Not Provided	45.9	N/A	N/A	

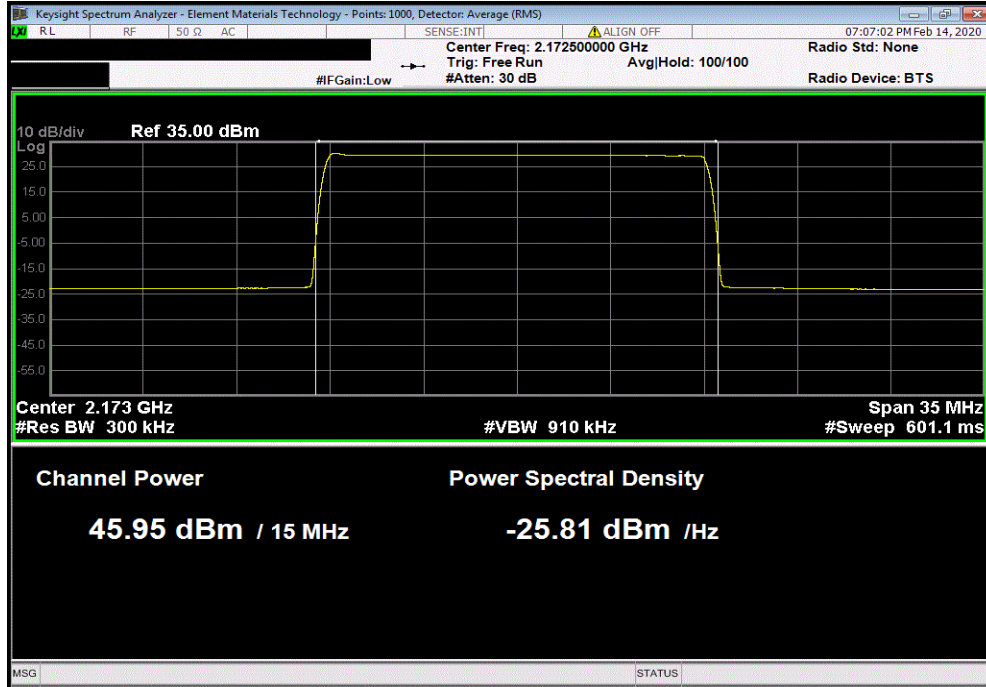


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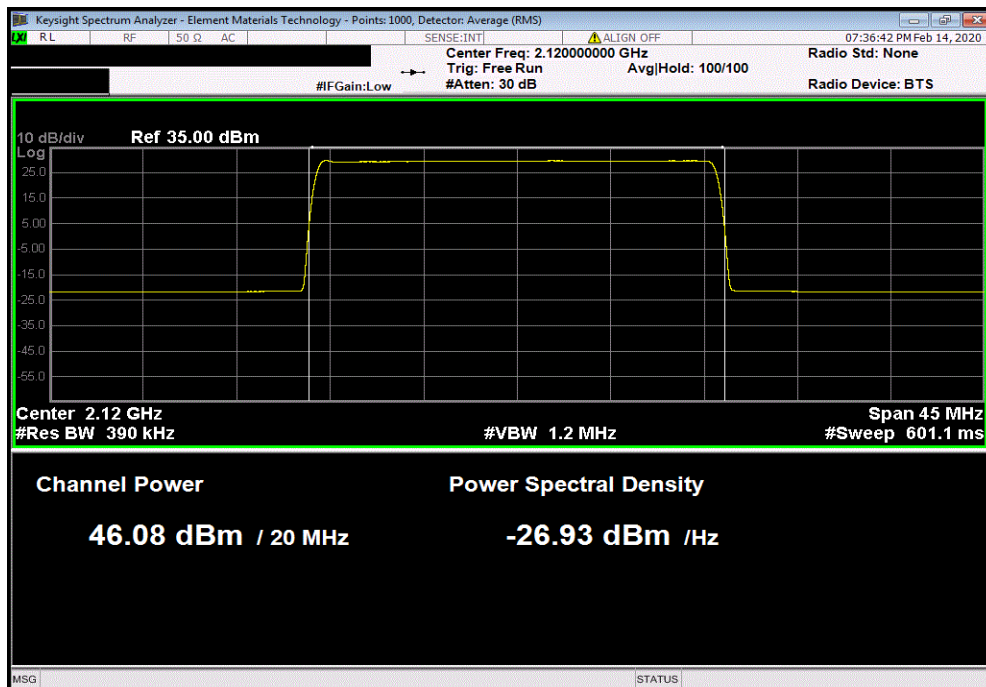


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Band 66a (Single Carrier) Port 4, QPSK, 15 MHz, High Channel, 2172.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.949	0	Not Provided	45.9	N/A	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 20 MHz, Low Channel, 2120 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.079	0	Not Provided	46.1	N/A	N/A	

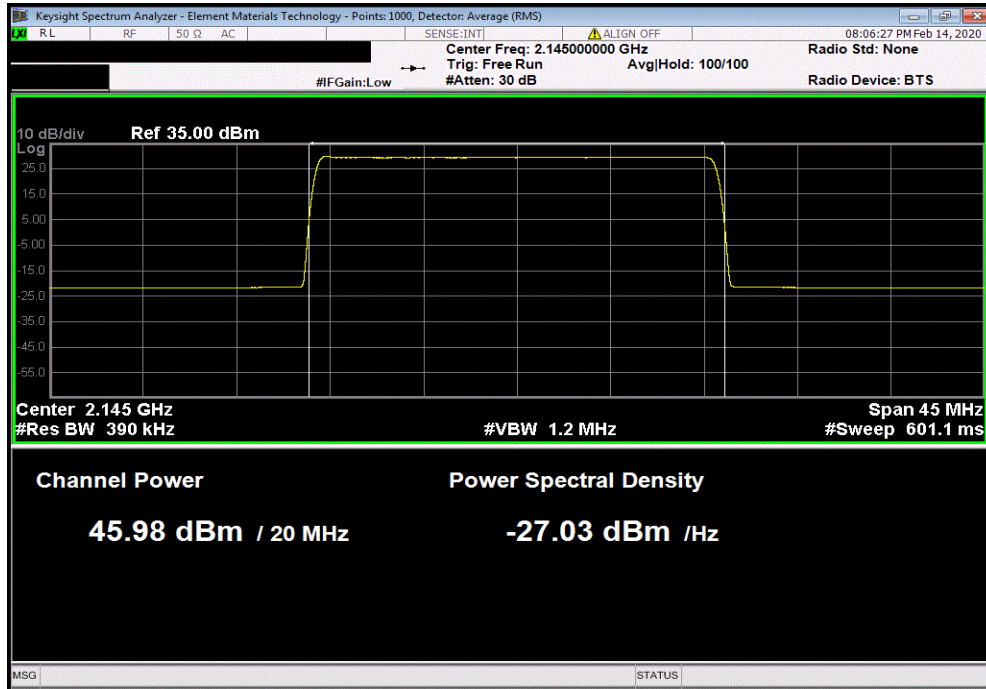


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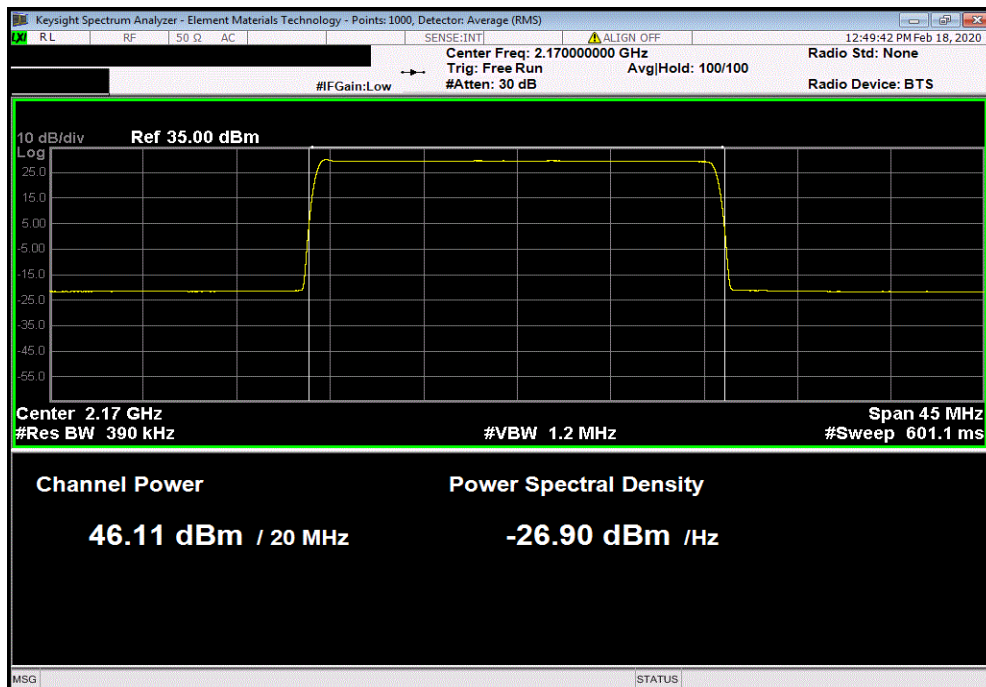


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Band 66a (Single Carrier) Port 4, QPSK, 20 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.98	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 20 MHz, High Channel, 2170 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.105	0	Not Provided	46.1	N/A	N/A	

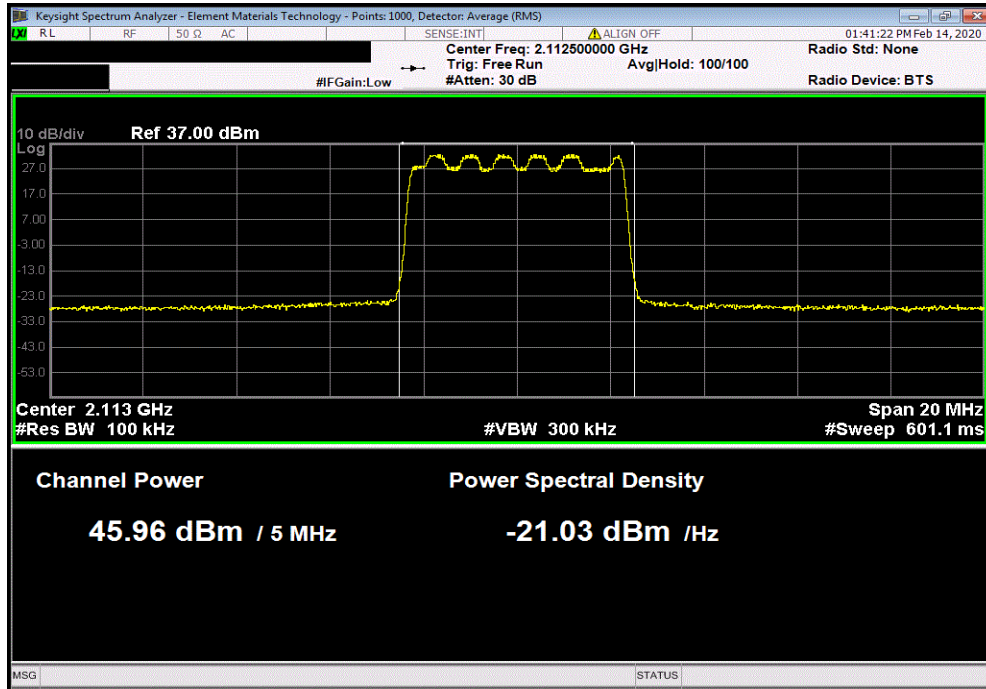


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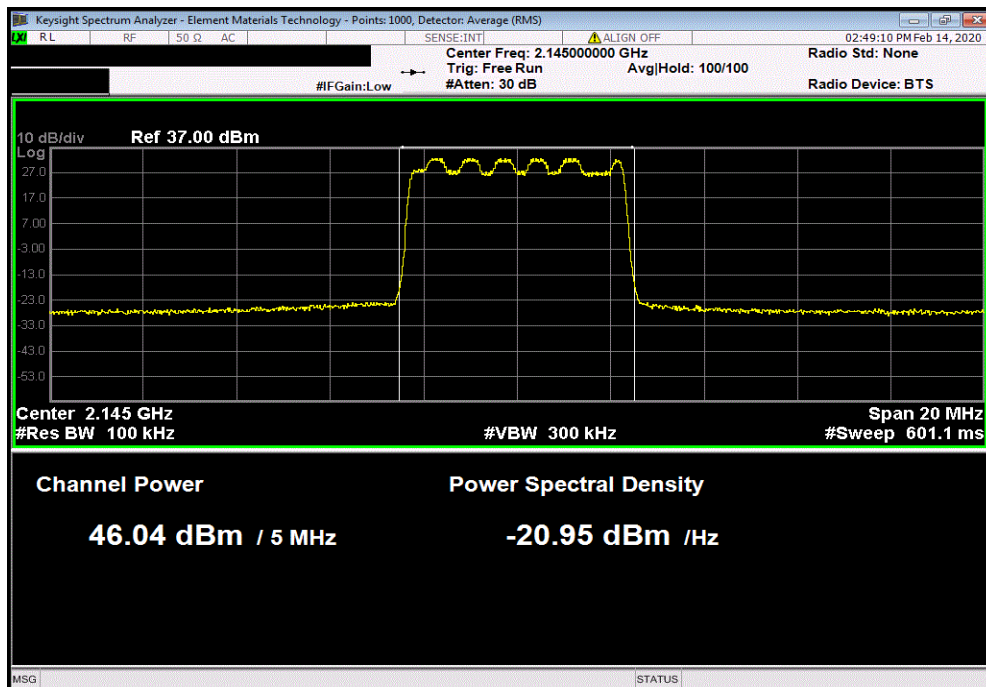


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Band 66a (Single Carrier) Port 4, 16-QAM, 5 MHz, Low Channel, 2112.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.955	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 5 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.041	0	Not Provided	46	N/A	N/A	

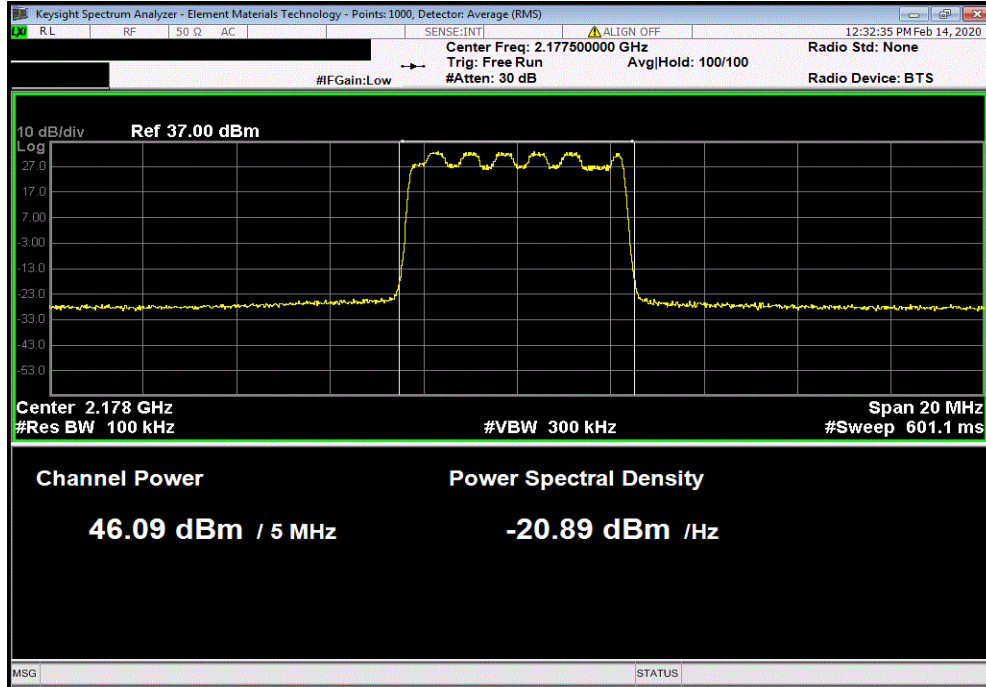


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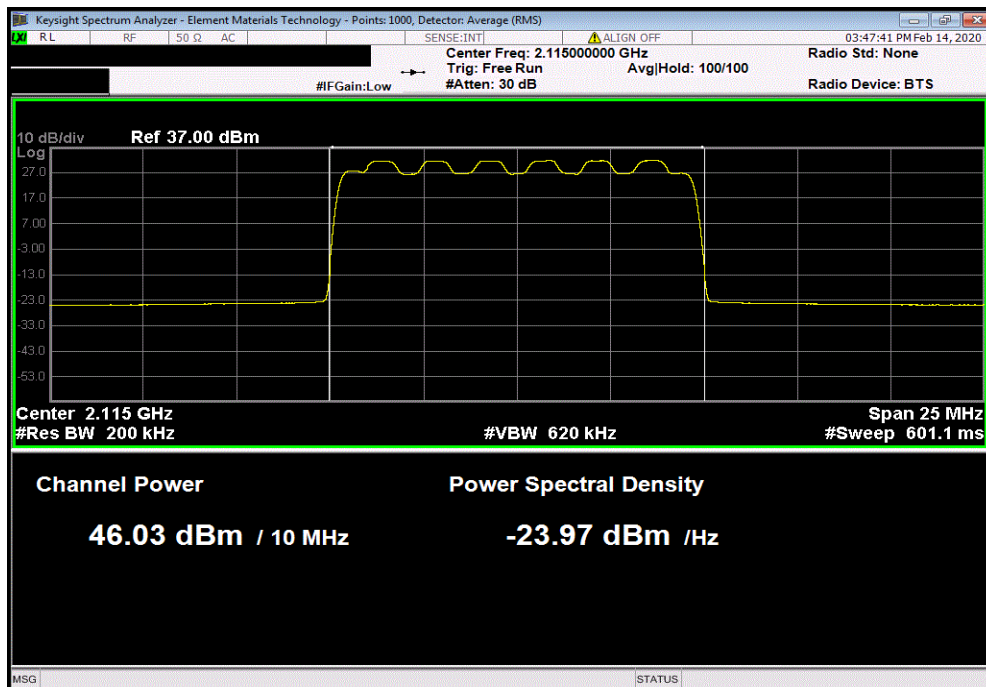


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Band 66a (Single Carrier) Port 4, 16-QAM, 5 MHz, High Channel, 2177.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.095	0	Not Provided	46.1	N/A	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 10 MHz, Low Channel, 2115 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.031	0	Not Provided	46	N/A	N/A	

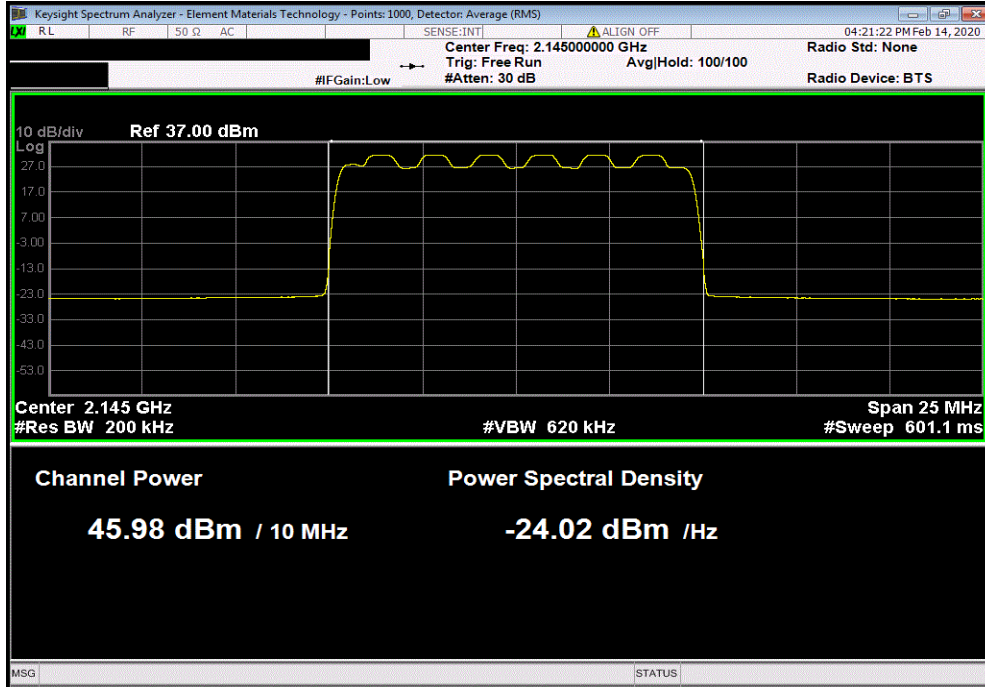


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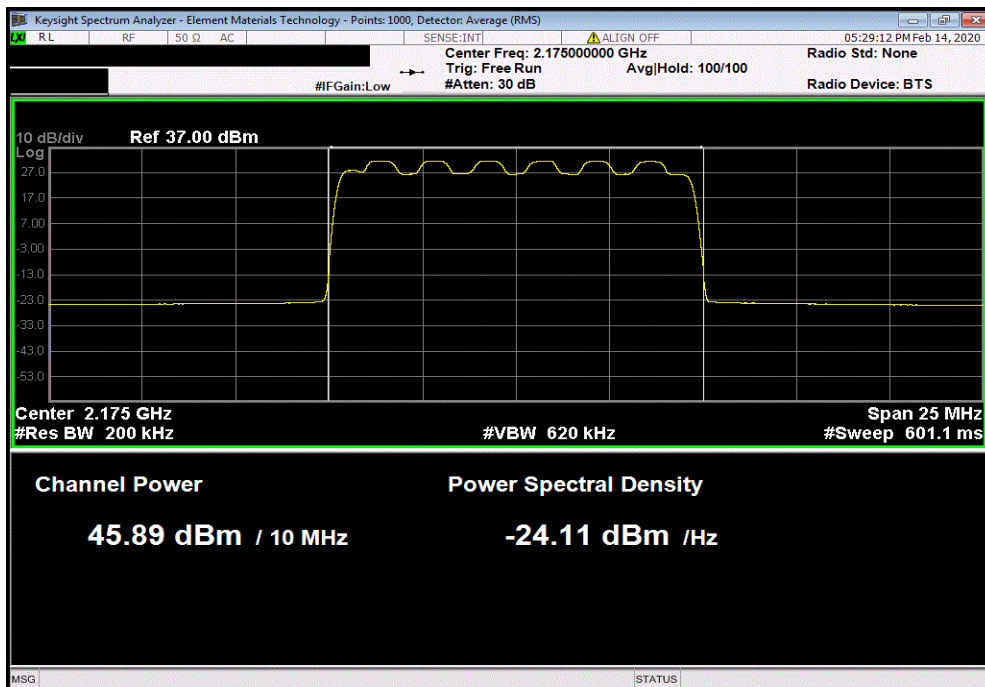


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Band 66a (Single Carrier) Port 4, 16-QAM, 10 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.977	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 10 MHz, High Channel, 2175 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.891	0	Not Provided	45.9	N/A	N/A	

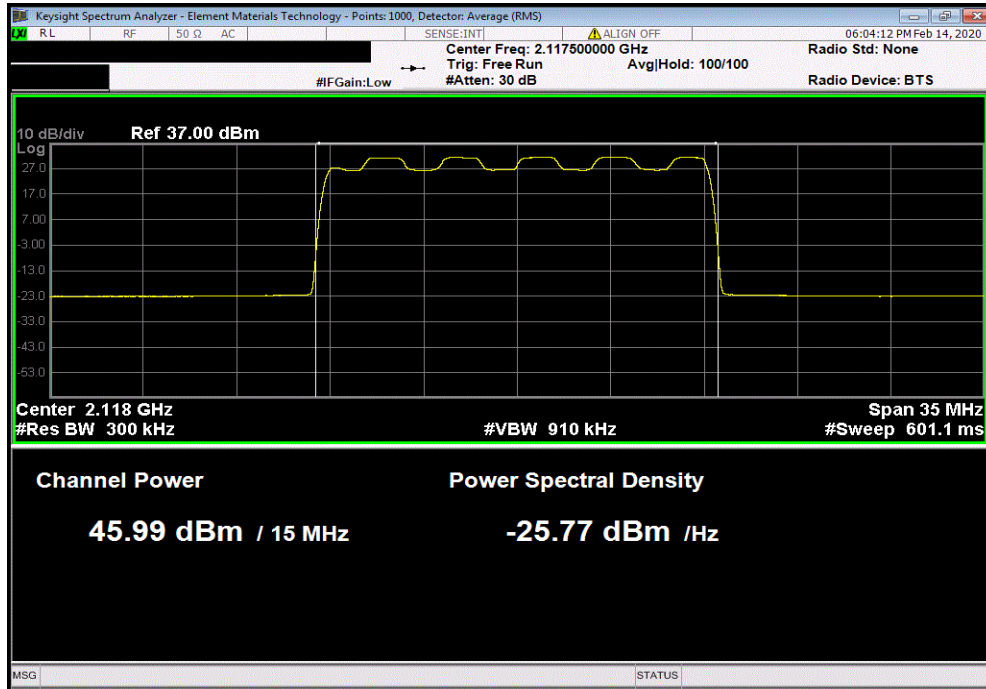


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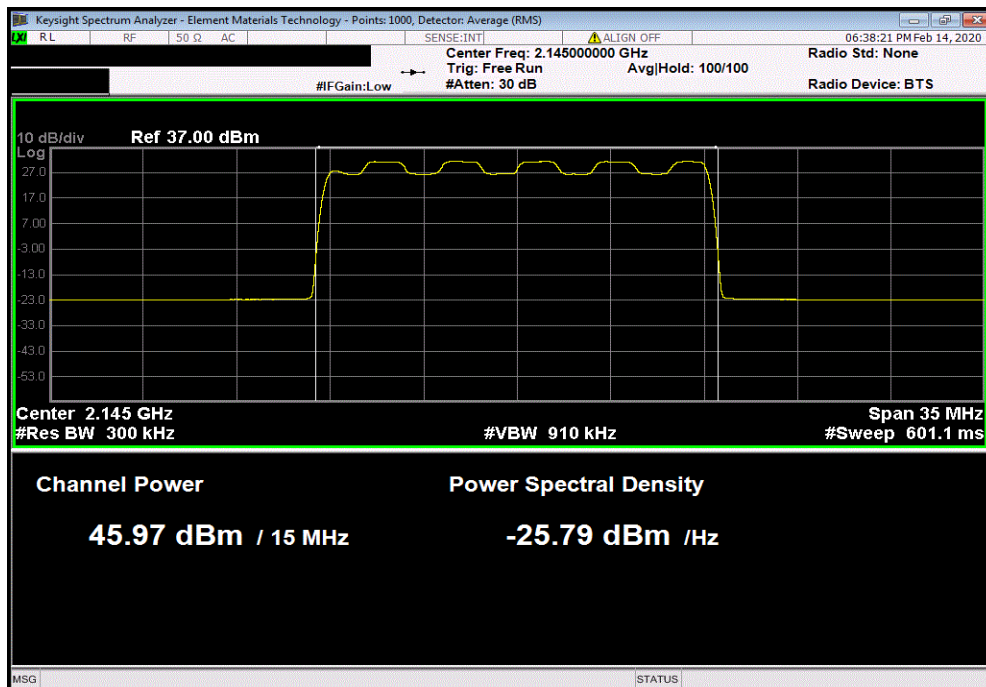


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Band 66a (Single Carrier) Port 4, 16-QAM, 15 MHz, Low Channel, 2117.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.988	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 15 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.968	0	Not Provided	46	N/A	N/A	

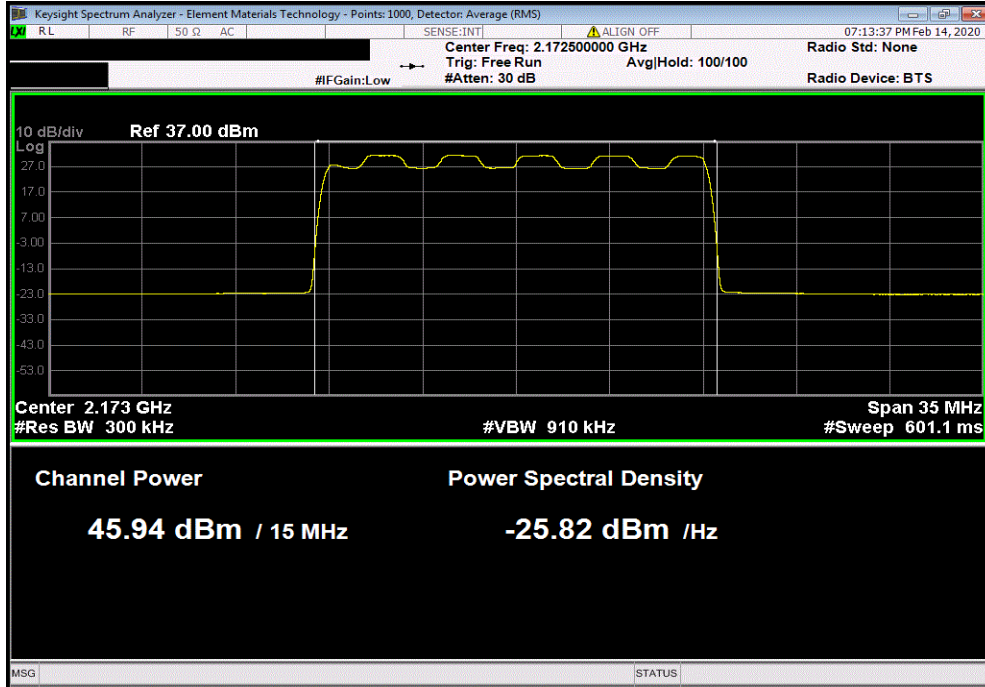


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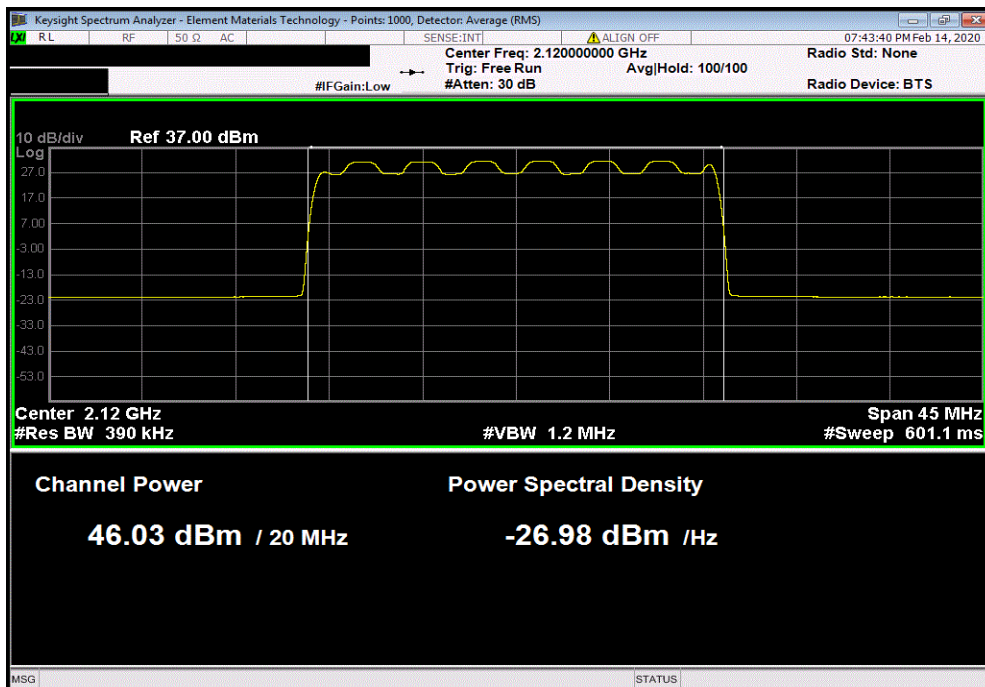


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Band 66a (Single Carrier) Port 4, 16-QAM, 15 MHz, High Channel, 2172.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.936	0	Not Provided	45.9	N/A	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 20 MHz, Low Channel, 2120 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.026	0	Not Provided	46	N/A	N/A	

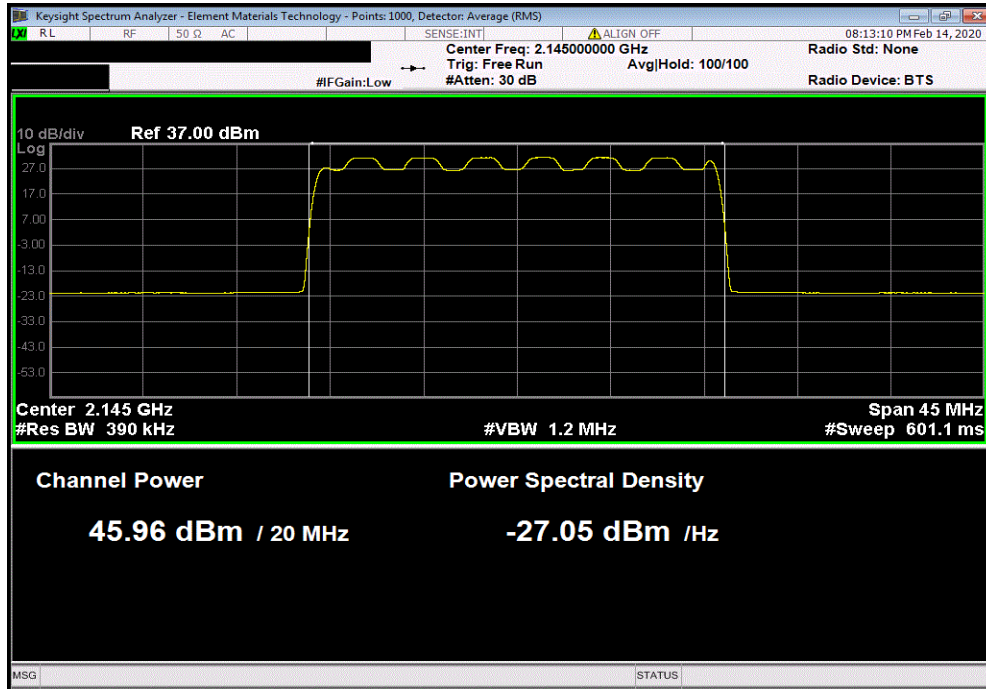


OUTPUT POWER BAND 66a

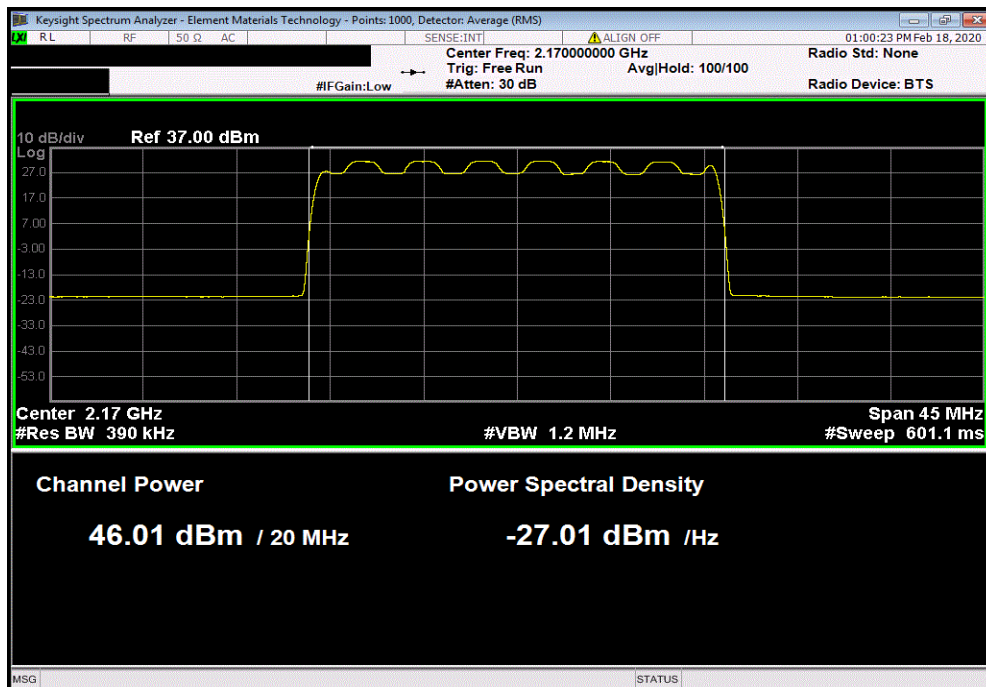


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Band 66a (Single Carrier) Port 4, 16-QAM, 20 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.959	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 20 MHz, High Channel, 2170 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.005	0	Not Provided	46	N/A	N/A	

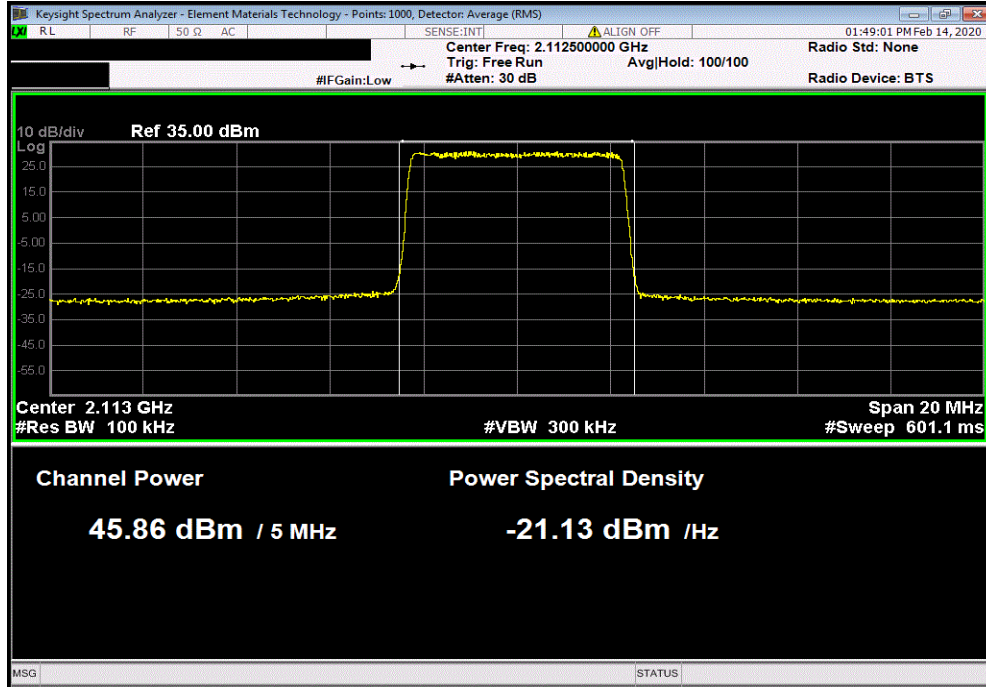


OUTPUT POWER BAND 66a

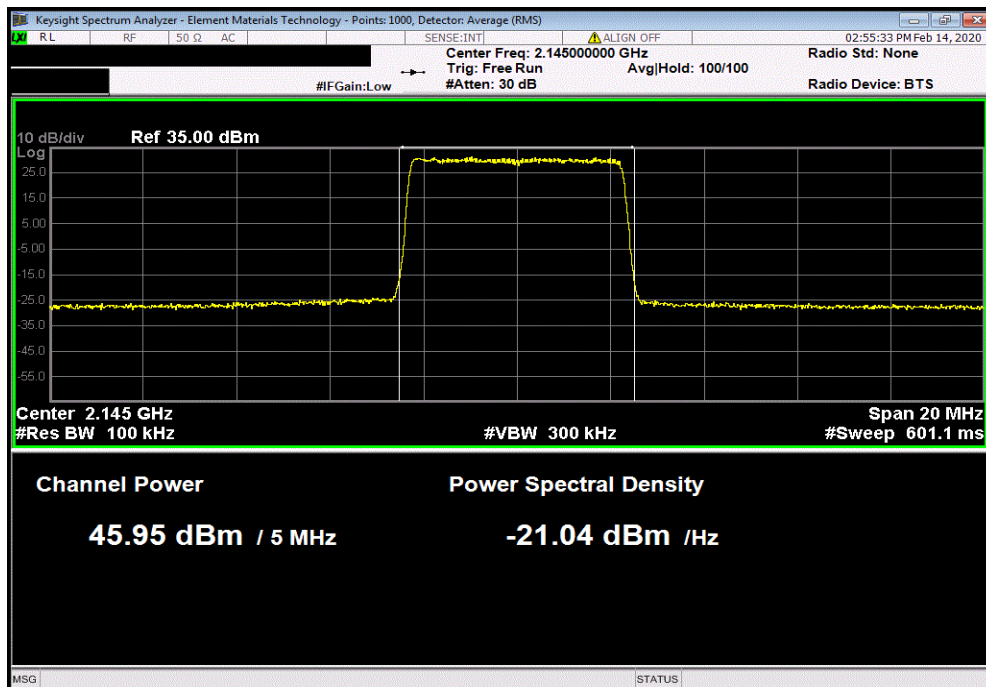


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 5 MHz, Low Channel, 2112.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.864	0	Not Provided	45.9	N/A	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 5 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.946	0	Not Provided	45.9	N/A	N/A	

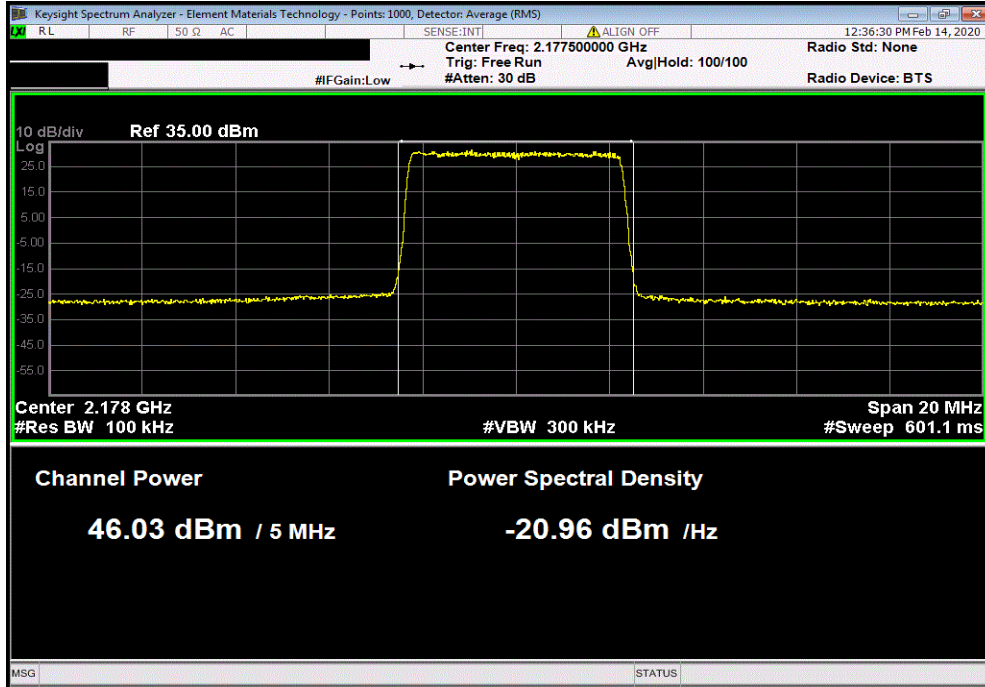


OUTPUT POWER BAND 66a

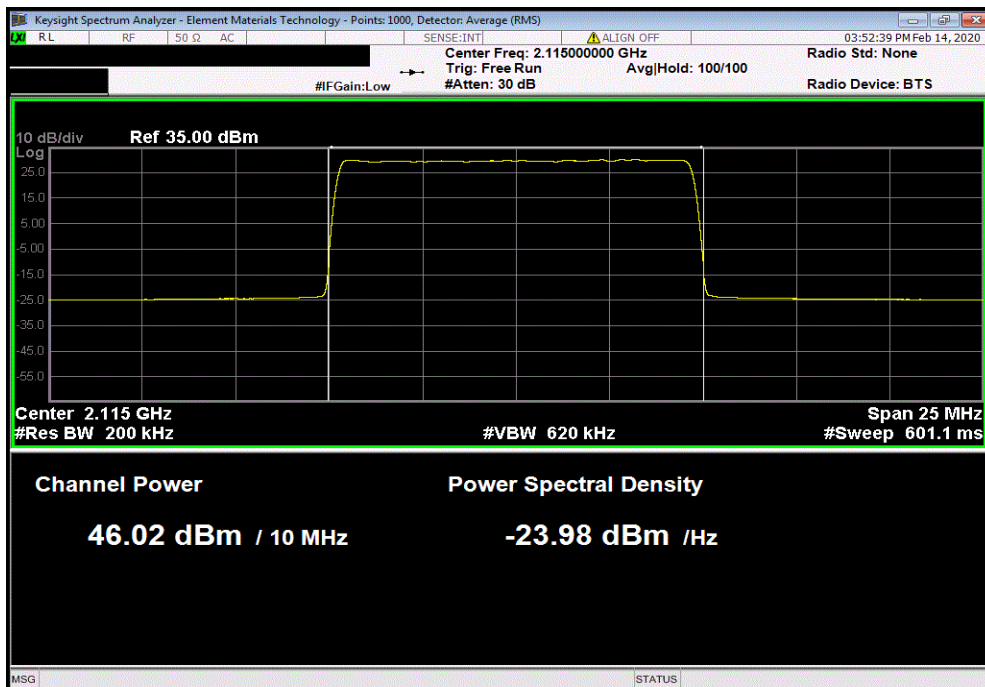


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Band 66a (Single Carrier) Port 4, 64-QAM, 5 MHz, High Channel, 2177.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.031	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 10 MHz, Low Channel, 2115 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.024	0	Not Provided	46	N/A	N/A	

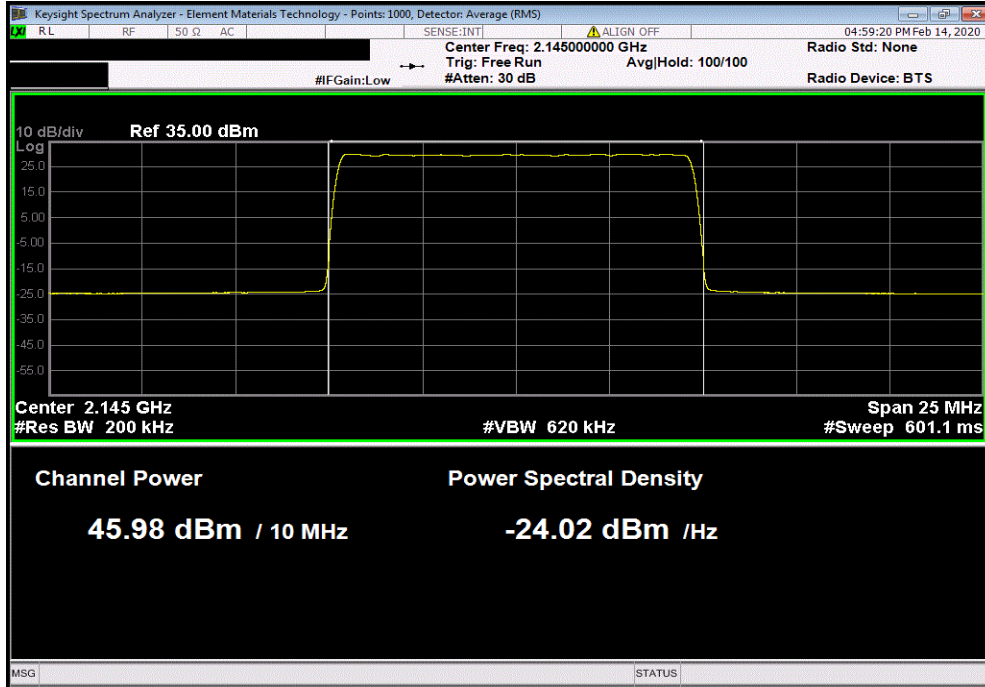


OUTPUT POWER BAND 66a

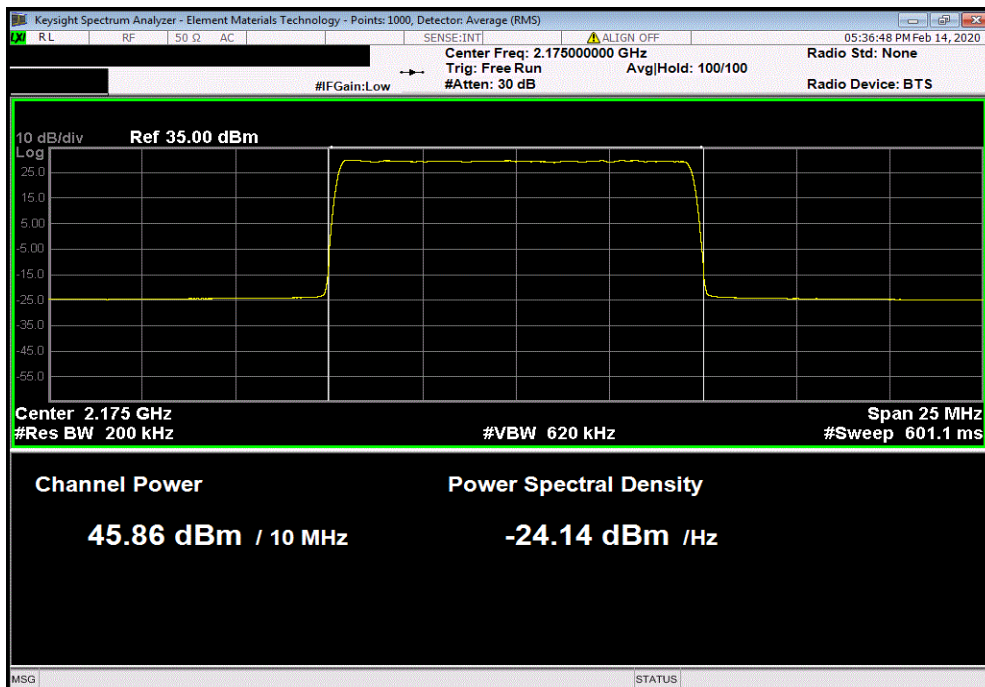


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Band 66a (Single Carrier) Port 4, 64-QAM, 10 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.978	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 10 MHz, High Channel, 2175 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.862	0	Not Provided	45.9	N/A	N/A	

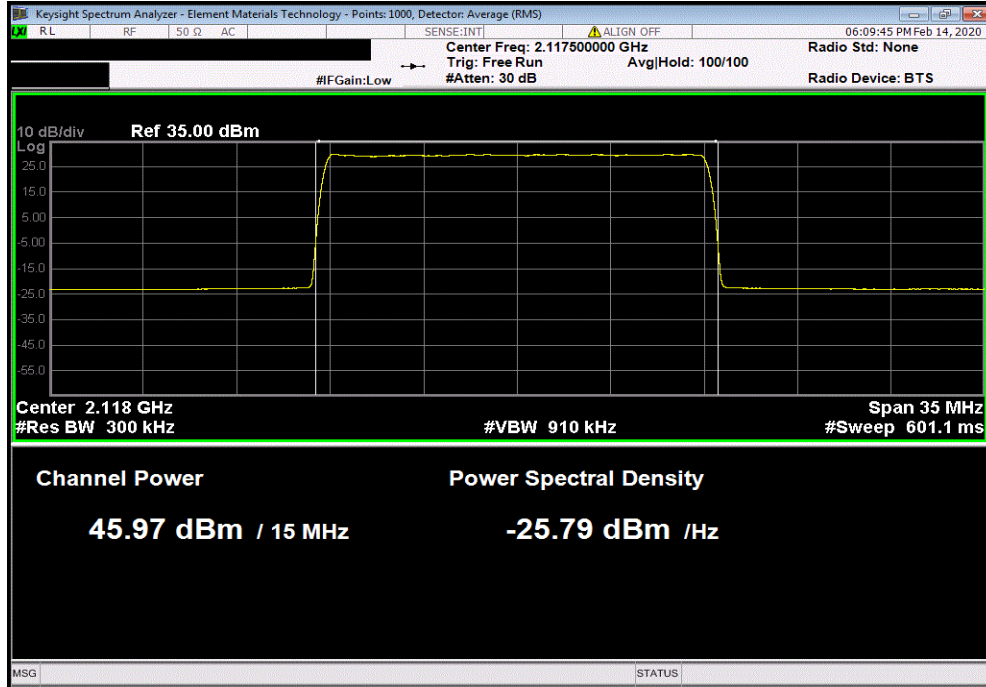


OUTPUT POWER BAND 66a

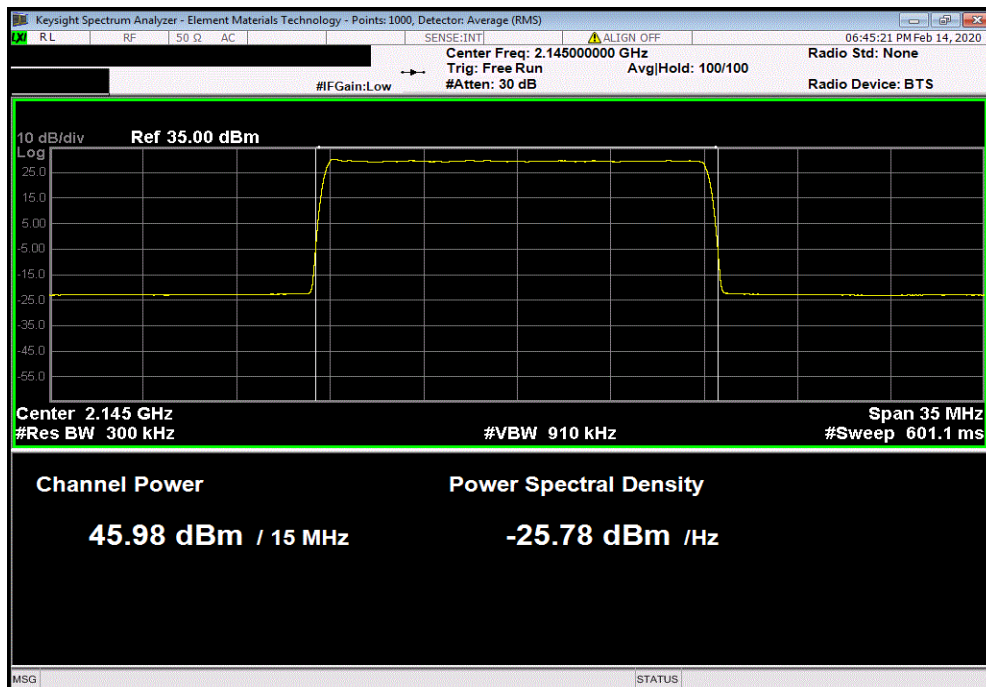


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 15 MHz, Low Channel, 2117.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.969	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 15 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.976	0	Not Provided	46	N/A	N/A	

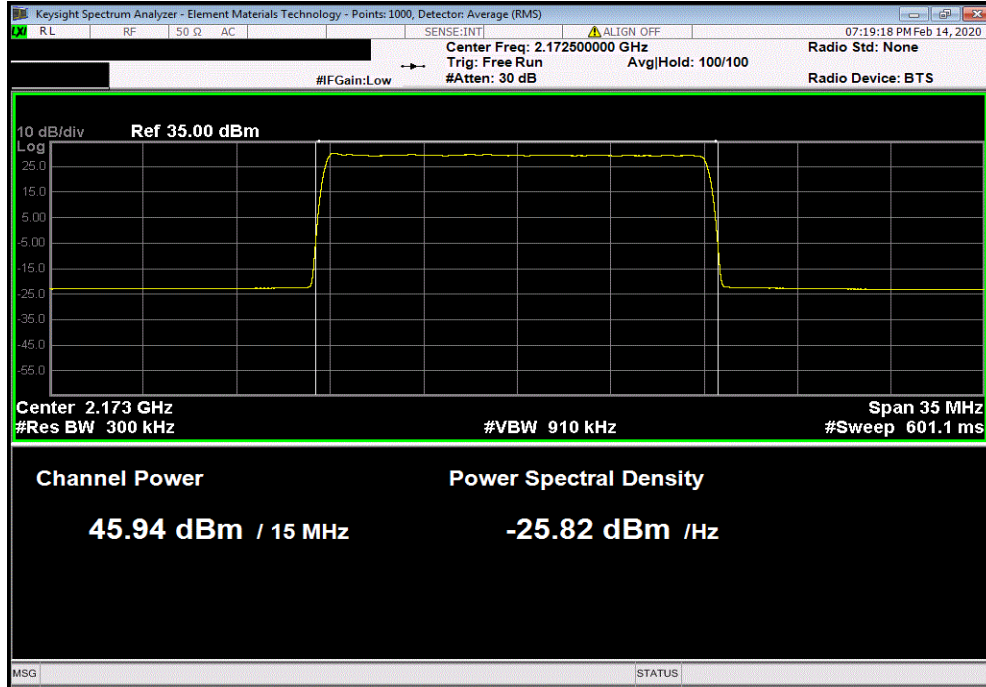


OUTPUT POWER BAND 66a

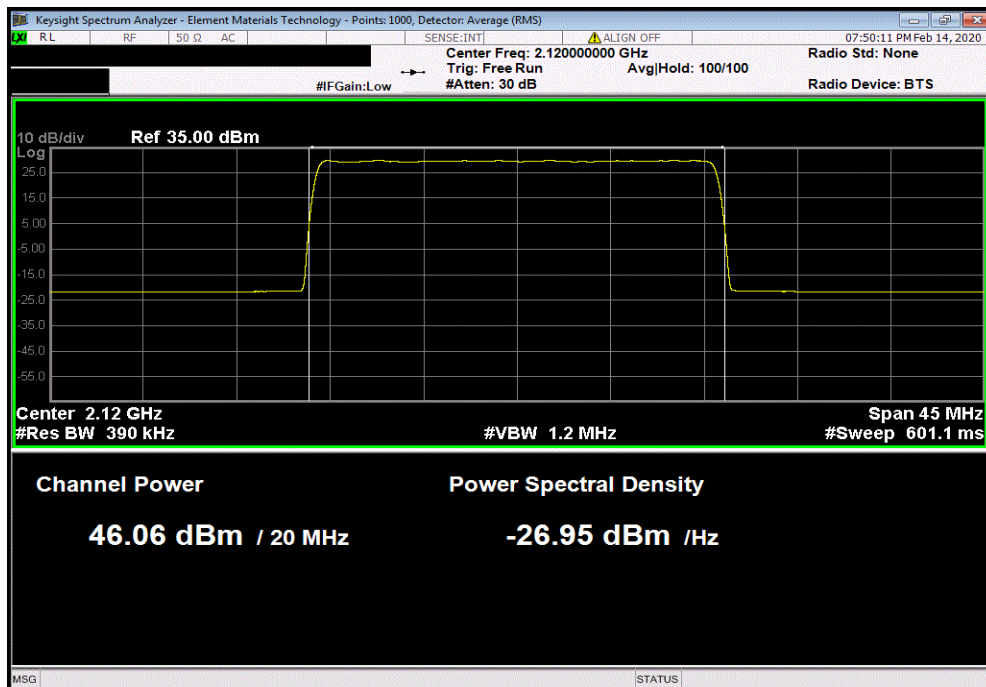


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 15 MHz, High Channel, 2172.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.938	0	Not Provided	45.9	N/A	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 20 MHz, Low Channel, 2120 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.065	0	Not Provided	46.1	N/A	N/A	

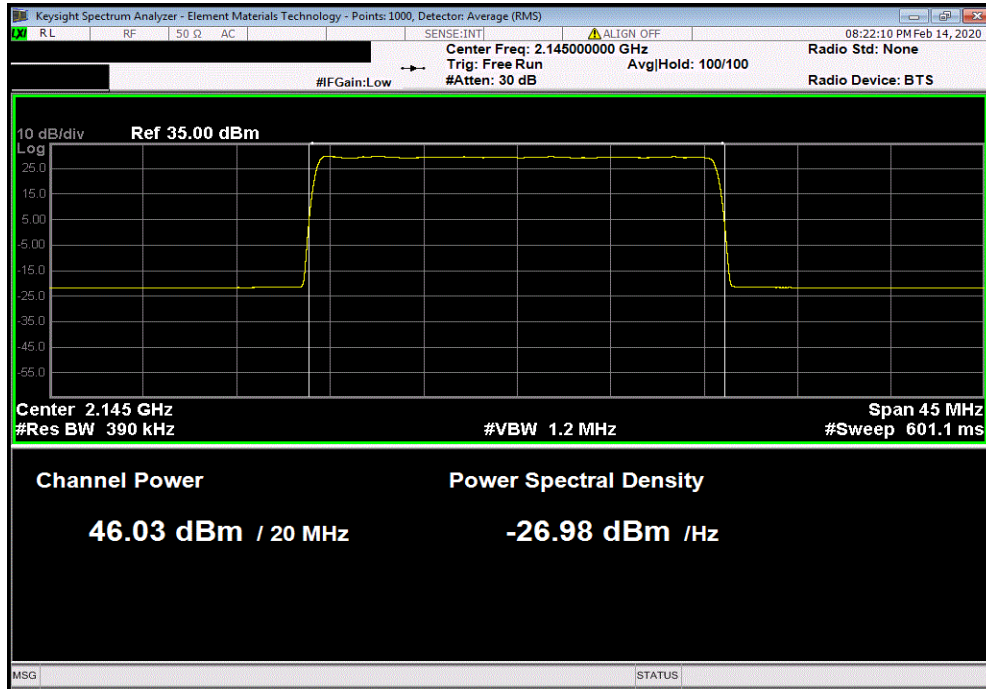


OUTPUT POWER BAND 66a

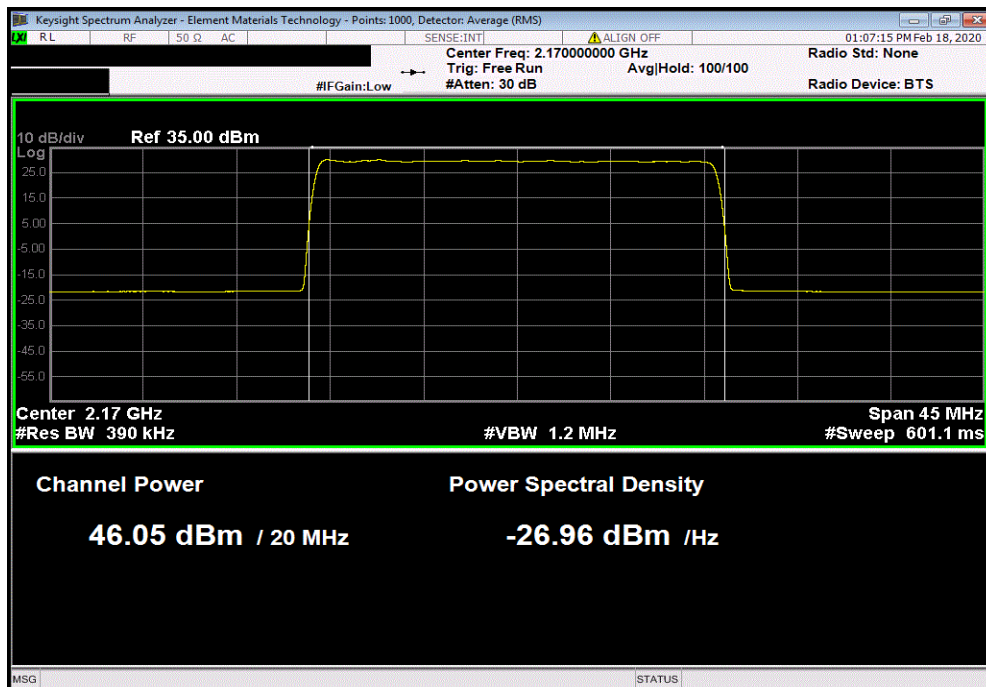


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 20 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.029	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 20 MHz, High Channel, 2170 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.053	0	Not Provided	46.1	N/A	N/A	

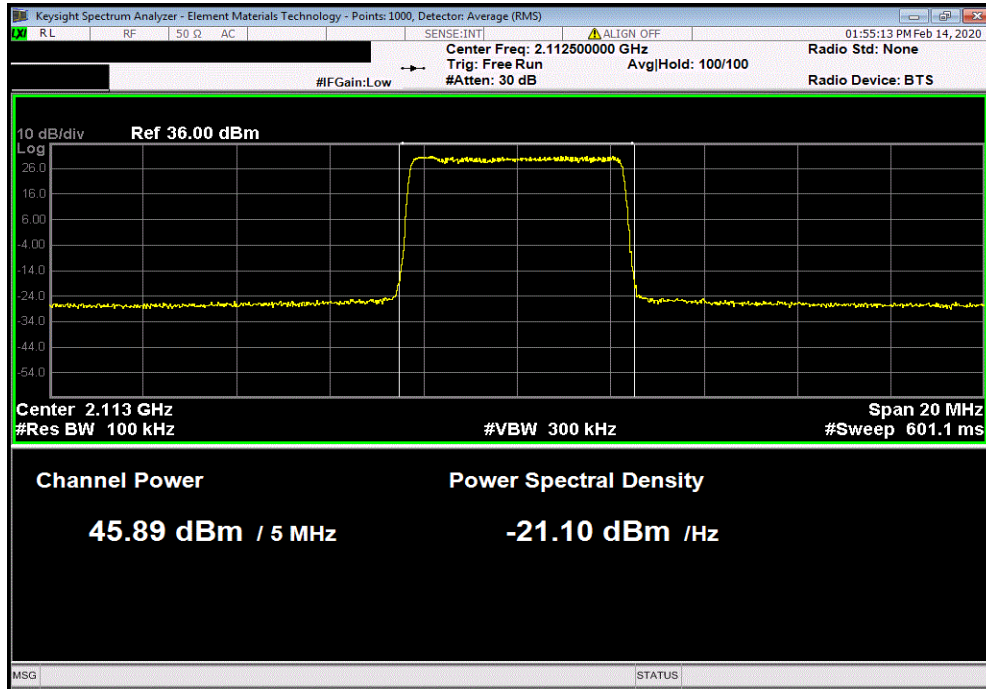


OUTPUT POWER BAND 66a

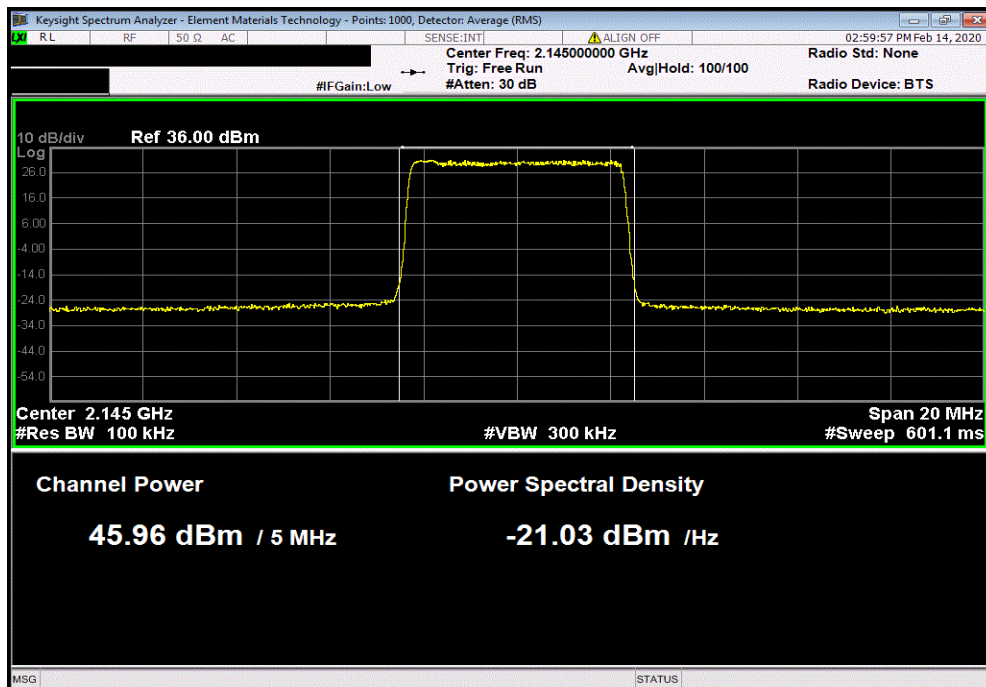


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 5 MHz, Low Channel, 2112.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.89	0	Not Provided	45.9	N/A	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 5 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.962	0	Not Provided	46	N/A	N/A	

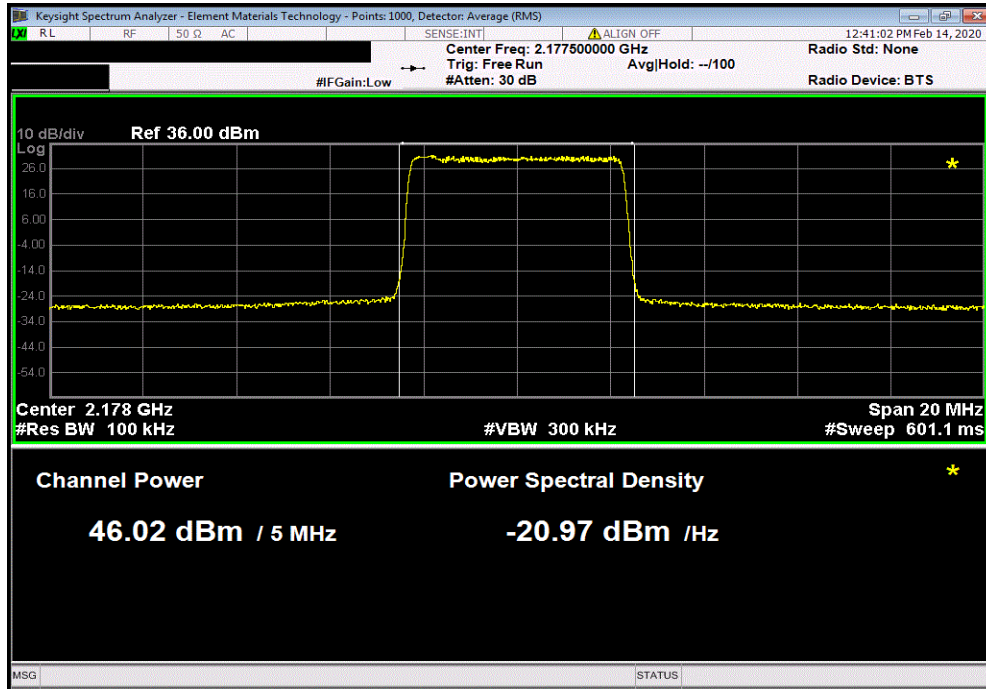


OUTPUT POWER BAND 66a

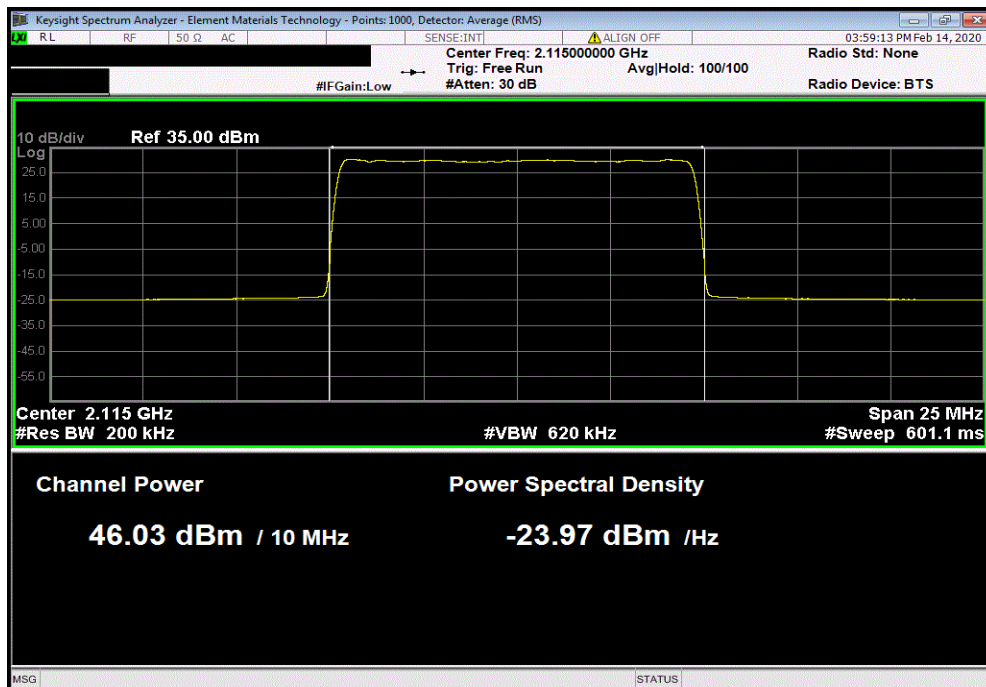


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 5 MHz, High Channel, 2177.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.024	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 10 MHz, Low Channel, 2115 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.034	0	Not Provided	46	N/A	N/A	

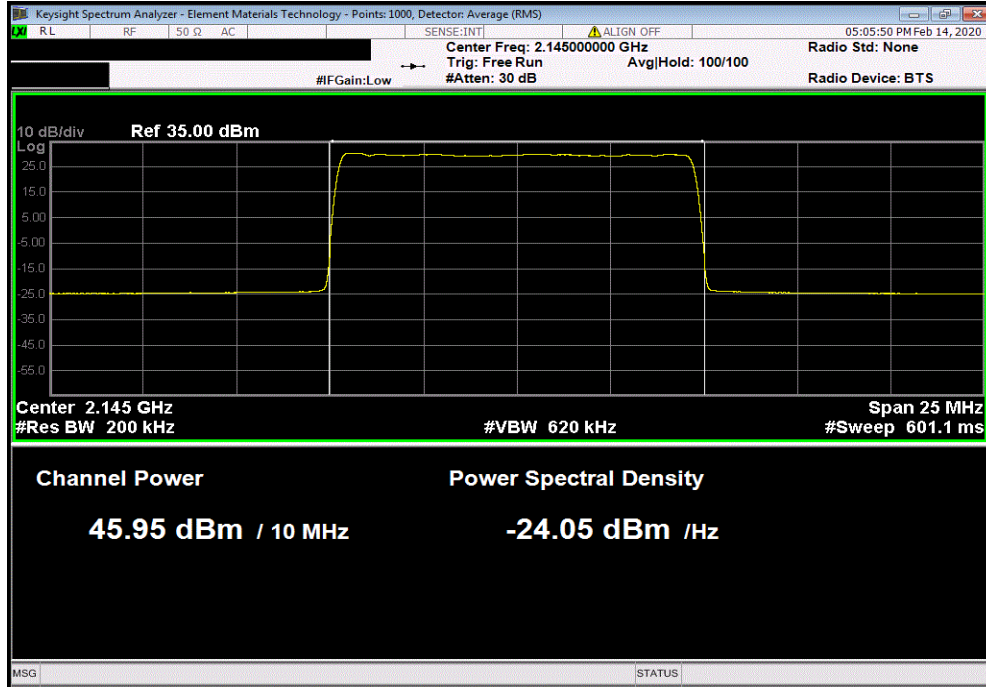


OUTPUT POWER BAND 66a

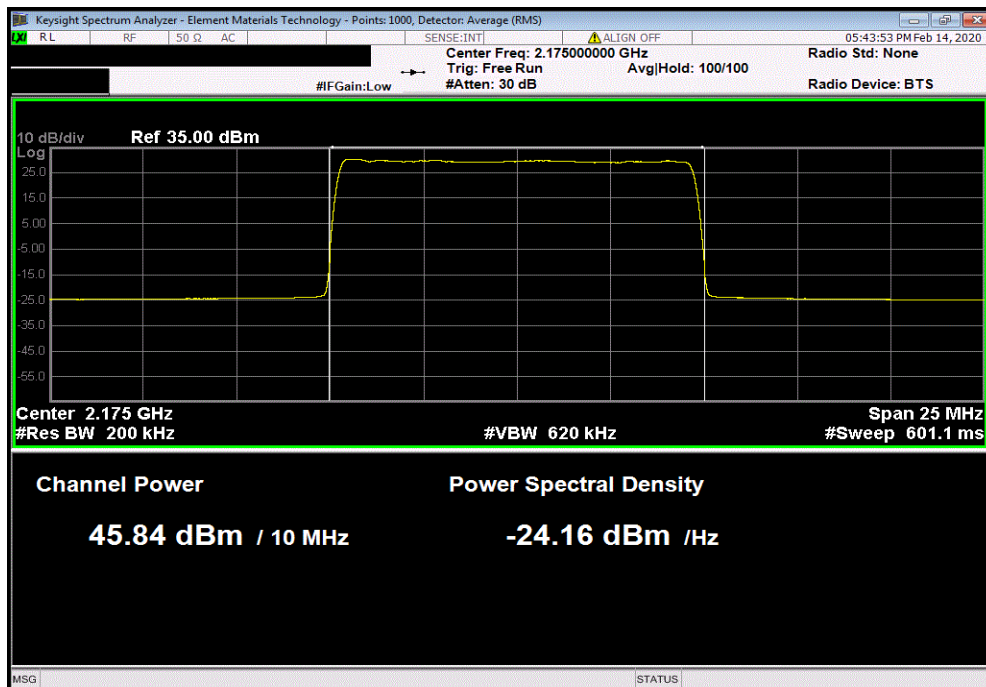


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 10 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.954	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 10 MHz, High Channel, 2175 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.838	0	Not Provided	45.8	N/A	N/A	

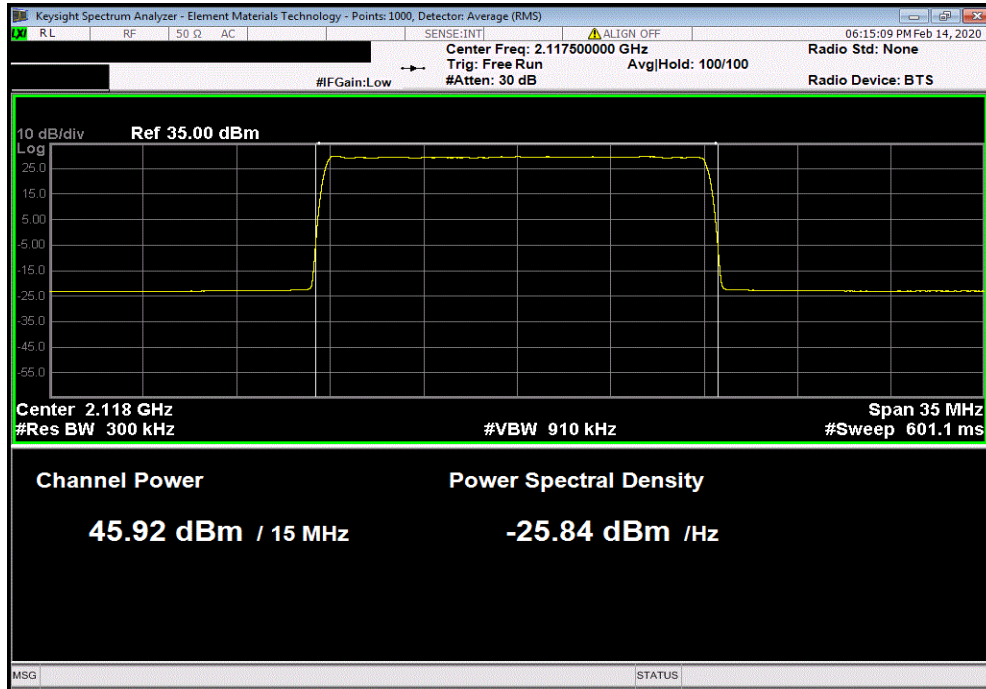


OUTPUT POWER BAND 66a

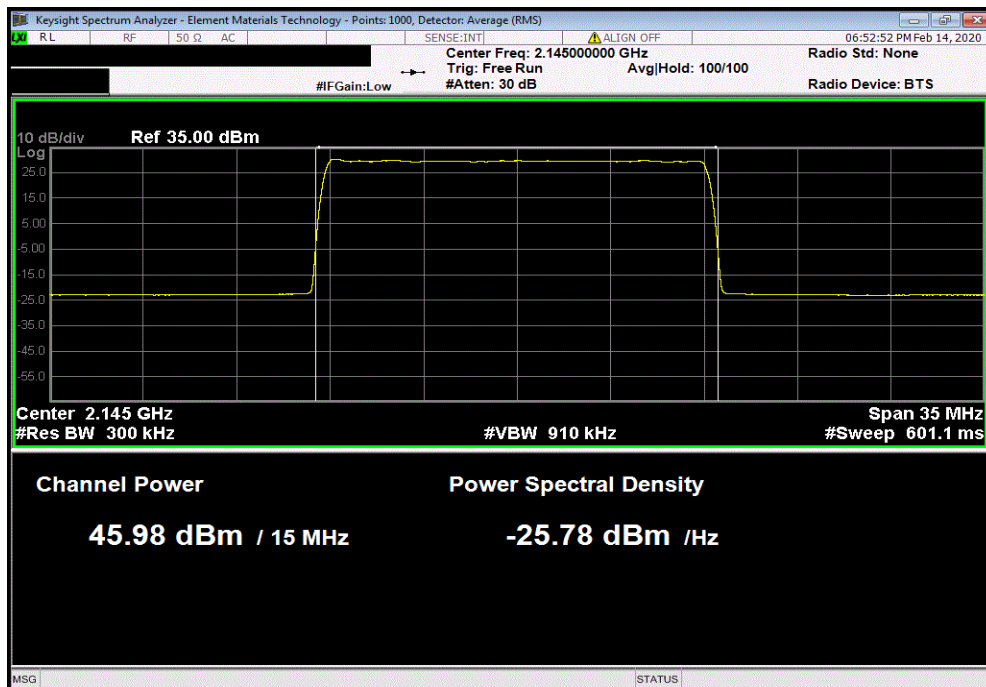


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 15 MHz, Low Channel, 2117.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.922	0	Not Provided	45.9	N/A	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 15 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.978	0	Not Provided	46	N/A	N/A	

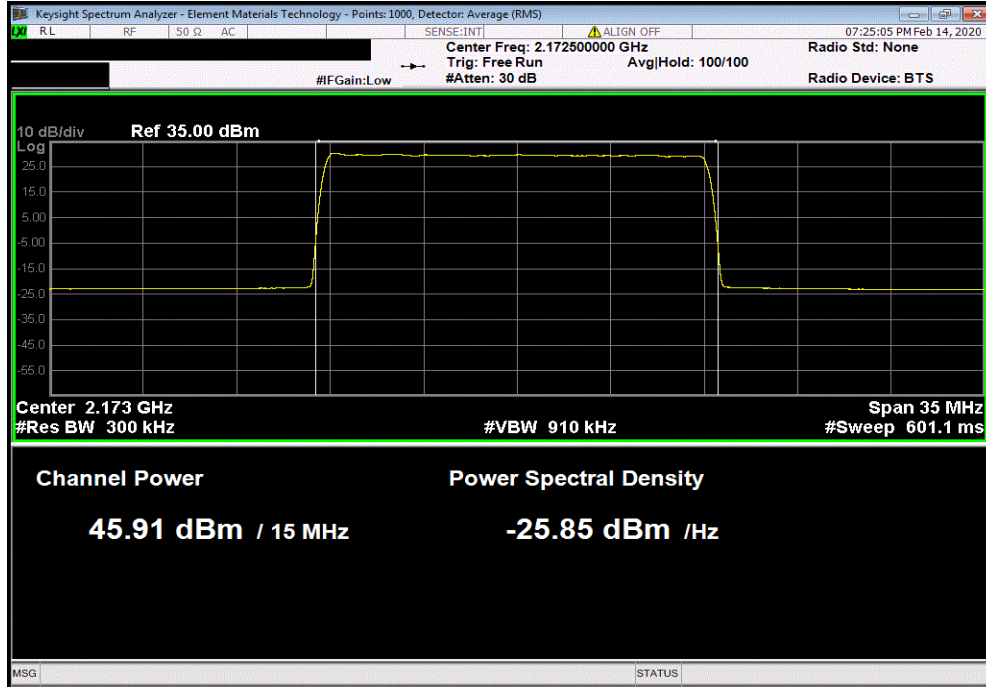


OUTPUT POWER BAND 66a

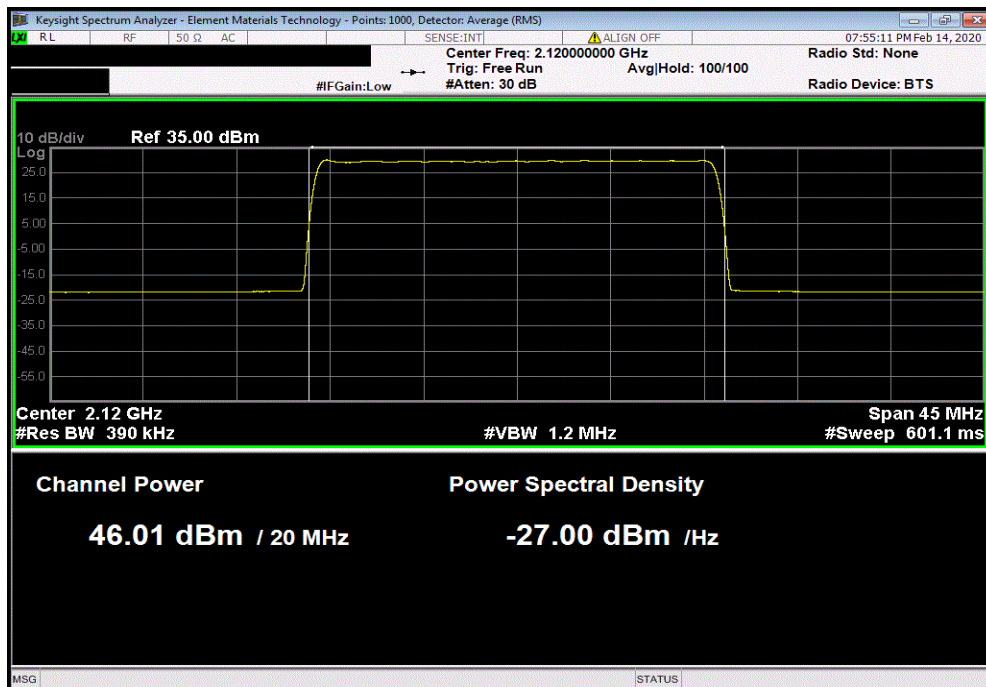


TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 15 MHz, High Channel, 2172.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
45.912	0	Not Provided	45.9	N/A	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 20 MHz, Low Channel, 2120 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.014	0	Not Provided	46	N/A	N/A	

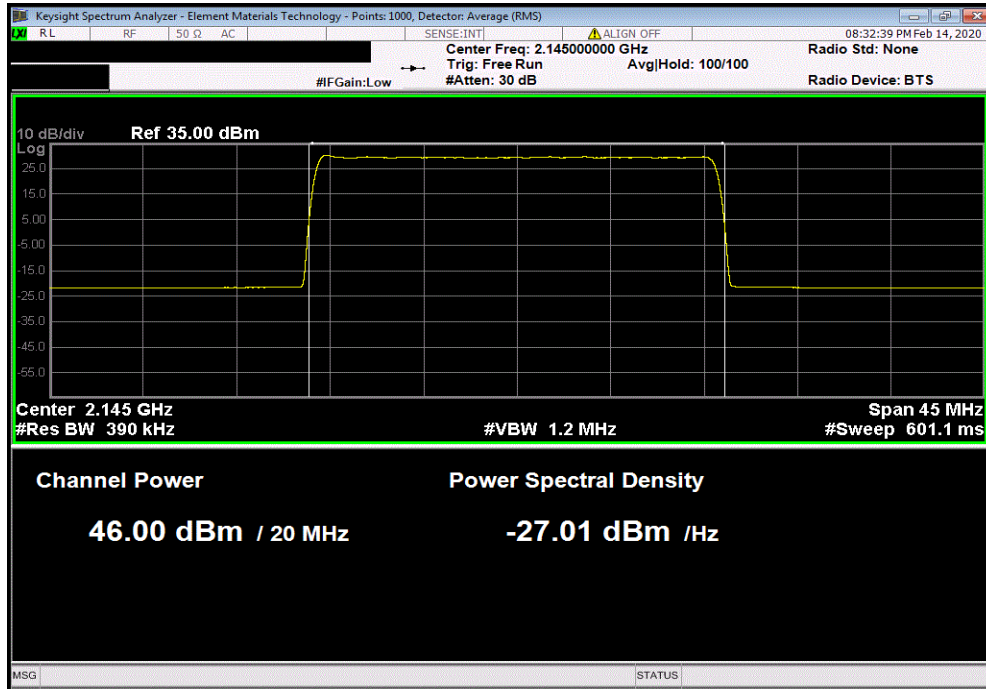


OUTPUT POWER BAND 66a



TSTx 2019.08.30.0 XMM 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 20 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.005	0	Not Provided	46	N/A	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 20 MHz, High Channel, 2170 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/OBW)	Limit EIRP (dBm/OBW)	Results	
46.038	0	Not Provided	46	N/A	N/A	

