

CONDUCTED OUTPUT POWER BAND 2



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
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	27-Feb-20	27-Feb-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 section 24.232(a) and SRSP-510 section 5.1.1.1, the Equivalent Isotropically radiated Power (EIRP) of the transceiver cannot exceed 1640 Watts/MHz.

CONDUCTED OUTPUT POWER BAND 2



TST# 2019.08.30.0 XMH 2020.03.25.0

EUT:	AHFC	Work Order:	NOKI0007
Serial Number:	K9180317594	Date:	8-Apr-20
Customer:	Nokia Solutions and Networks	Temperature:	22.9 °C
Attendees:	Mitch Hill, John Rattanavong	Humidity:	42.4% RH
Project:	None	Barometric Pres.:	1023 mbar
Tested by:	Brandon Hobbs	Power:	54 VDC
TEST SPECIFICATIONS		Job Site:	
FCC 24E:2020		Test Method	
RSS-133:2018, SRSP-510		ANSI C63.26:2015	
COMMENTS		RSS-133:2018, SRSP-510	
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. The hottest port was used for testing. The worst case port was determined in the original client test report.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	6	Signature	
		Initial Power (dBm/OBW)	Duty Cycle Factor (dB)
		Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)
		EIRP Limit (dBm/OBW)	Results

Band 2, 1930 MHz - 1990 MHz, 5G

Port 7

5 MHz Bandwidth

QPSK Modulation

Low Channel, 1932.5 MHz
Mid Channel, 1960 MHz
High Channel, 1987.5 MHz

46.119
46.516
46.242

0
0
0

Not Provided
Not Provided
Not Provided

46.1
46.5
46.2

62.15
62.15
62.15

N/A
N/A
N/A

16-QAM Modulation

Low Channel, 1932.5 MHz
Mid Channel, 1960 MHz
High Channel, 1987.5 MHz

46.07
46.458
46.284

0
0
0

Not Provided
Not Provided
Not Provided

46.1
46.5
46.3

62.15
62.15
62.15

N/A
N/A
N/A

64-QAM Modulation

Low Channel, 1932.5 MHz
Mid Channel, 1960 MHz
High Channel, 1987.5 MHz

45.968
46.417
46.141

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.4
46.1

62.15
62.15
62.15

N/A
N/A
N/A

256-QAM Modulation

Low Channel, 1932.5 MHz
Mid Channel, 1960 MHz
High Channel, 1987.5 MHz

45.984
46.443
46.225

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.4
46.2

62.15
62.15
62.15

N/A
N/A
N/A

10 MHz Bandwidth

QPSK Modulation

Low Channel, 1935.0 MHz
Mid Channel, 1960 MHz
High Channel, 1985 MHz

45.969
46.115
46.047

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.1
46.0

62.15
62.15
62.15

N/A
N/A
N/A

16-QAM Modulation

Low Channel, 1935.0 MHz
Mid Channel, 1960 MHz
High Channel, 1985 MHz

45.903
46.109
46.025

0
0
0

Not Provided
Not Provided
Not Provided

45.9
46.1
46.0

62.15
62.15
62.15

N/A
N/A
N/A

64-QAM Modulation

Low Channel, 1935.0 MHz
Mid Channel, 1960 MHz
High Channel, 1985 MHz

45.88
46.169
45.976

0
0
0

Not Provided
Not Provided
Not Provided

45.9
46.2
46.0

62.15
62.15
62.15

N/A
N/A
N/A

256-QAM Modulation

Low Channel, 1935.0 MHz
Mid Channel, 1960 MHz
High Channel, 1985 MHz

45.987
46.305
46.018

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.3
46.0

62.15
62.15
62.15

N/A
N/A
N/A

15 MHz Bandwidth

QPSK Modulation

Low Channel, 1937.5 MHz
Mid Channel, 1960 MHz
High Channel, 1982.5 MHz

46.173
46.082
46.12

0
0
0

Not Provided
Not Provided
Not Provided

46.2
46.1
46.1

62.15
62.15
62.15

N/A
N/A
N/A

16-QAM Modulation

Low Channel, 1937.5 MHz
Mid Channel, 1960 MHz
High Channel, 1982.5 MHz

46.157
46.11
46.077

0
0
0

Not Provided
Not Provided
Not Provided

46.2
46.1
46.1

62.15
62.15
62.15

N/A
N/A
N/A

64-QAM Modulation

Low Channel, 1937.5 MHz
Mid Channel, 1960 MHz
High Channel, 1982.5 MHz

46.156
46.077
46.049

0
0
0

Not Provided
Not Provided
Not Provided

46.2
46.1
46.0

62.15
62.15
62.15

N/A
N/A
N/A

256-QAM Modulation

Low Channel, 1937.5 MHz
Mid Channel, 1960 MHz
High Channel, 1982.5 MHz

46.128
46.025
46.051

0
0
0

Not Provided
Not Provided
Not Provided

46.1
46.0
46.1

62.15
62.15
62.15

N/A
N/A
N/A

20 MHz Bandwidth

QPSK Modulation

Low Channel, 1940 MHz
Mid Channel, 1960 MHz
High Channel, 1980 MHz

46.319
46.162
46.214

0
0
0

Not Provided
Not Provided
Not Provided

46.3
46.2
46.2

62.15
62.15
62.15

N/A
N/A
N/A

16-QAM Modulation

Low Channel, 1940 MHz
Mid Channel, 1960 MHz
High Channel, 1980 MHz

46.241
46.1
46.2

0
0
0

Not Provided
Not Provided
Not Provided

46.2
46.1
46.2

62.15
62.15
62.15

N/A
N/A
N/A

64-QAM Modulation

Low Channel, 1940 MHz
Mid Channel, 1960 MHz
High Channel, 1980 MHz

46.288
46.117
46.209

0
0
0

Not Provided
Not Provided
Not Provided

46.3
46.1
46.2

62.15
62.15
62.15

N/A
N/A
N/A

256-QAM Modulation

Low Channel, 1940 MHz
Mid Channel, 1960 MHz
High Channel, 1980 MHz

45.996
46.082
46.181

0
0
0

Not Provided
Not Provided
Not Provided

46.0
46.1
46.2

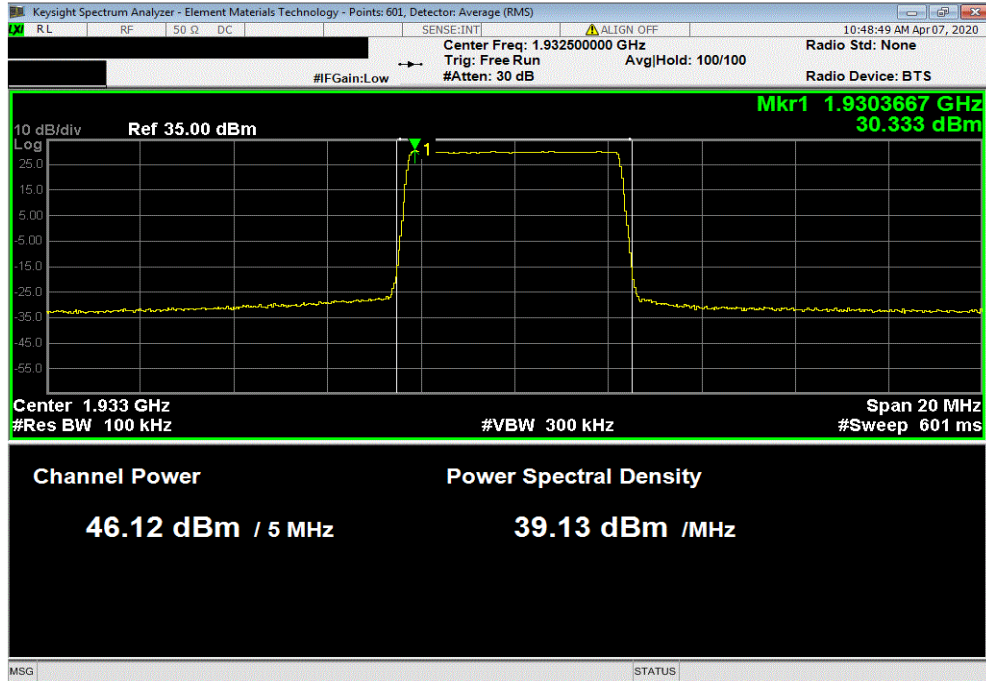
62.15
62.15
62.15

N/A
N/A
N/A

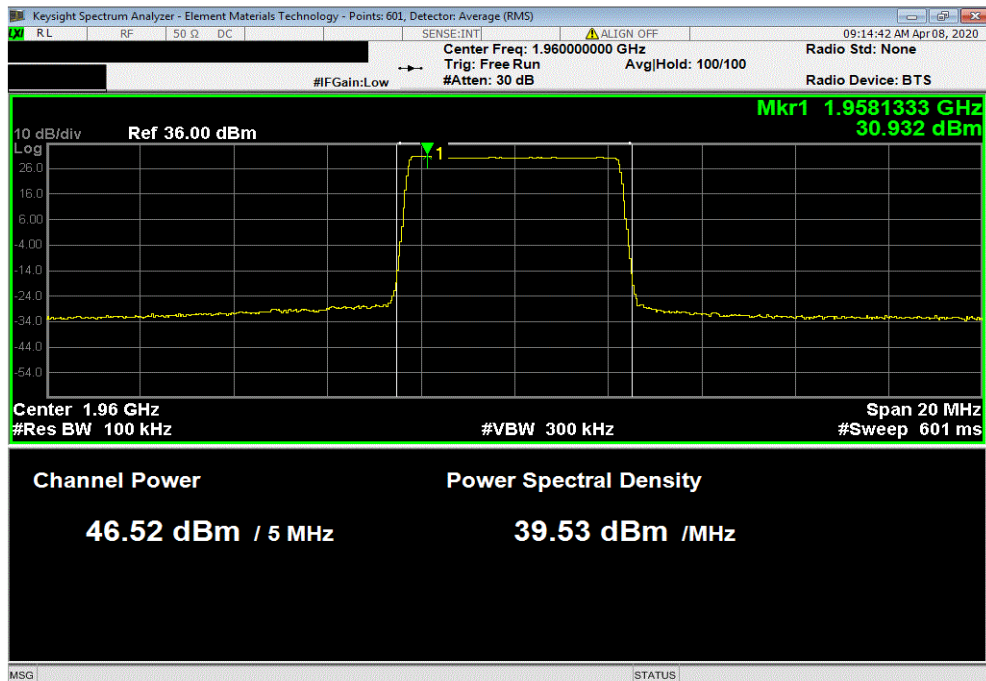
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 1932.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.119	0	Not Provided	46.1	62.15	N/A	



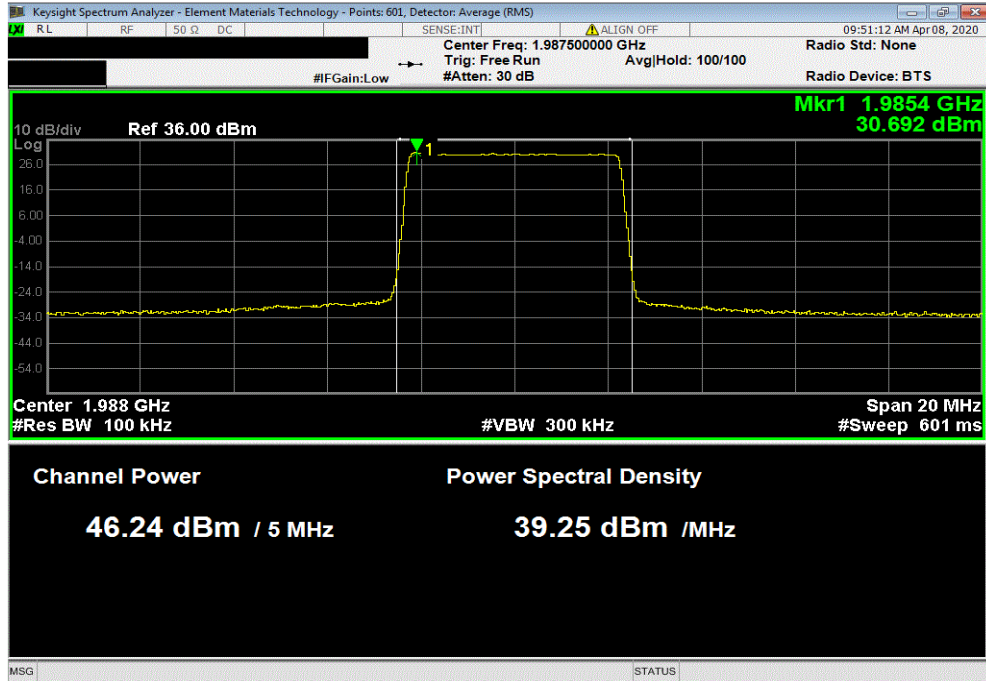
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.516	0	Not Provided	46.5	62.15	N/A	



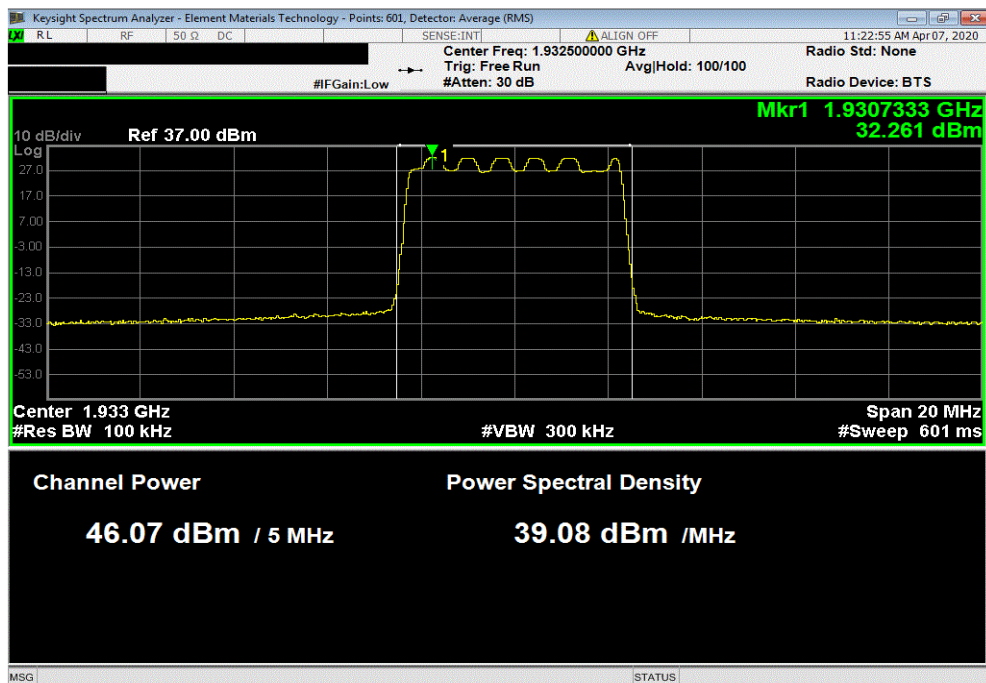
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, QPSK Modulation, High Channel, 1987.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.242	0	Not Provided	46.2	62.15	N/A	



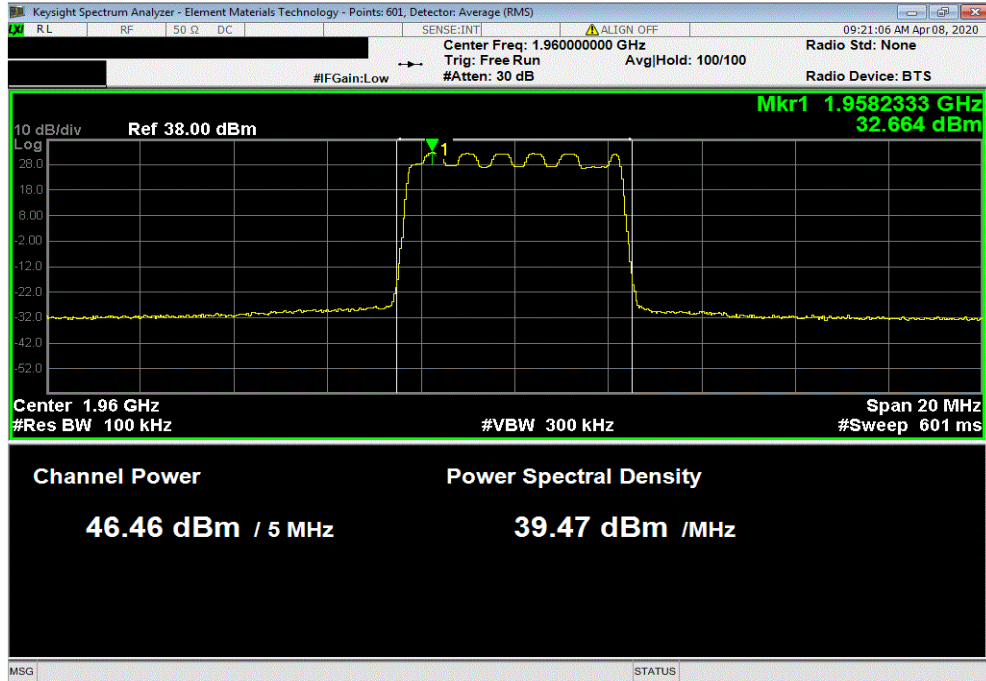
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1932.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.07	0	Not Provided	46.1	62.15	N/A	



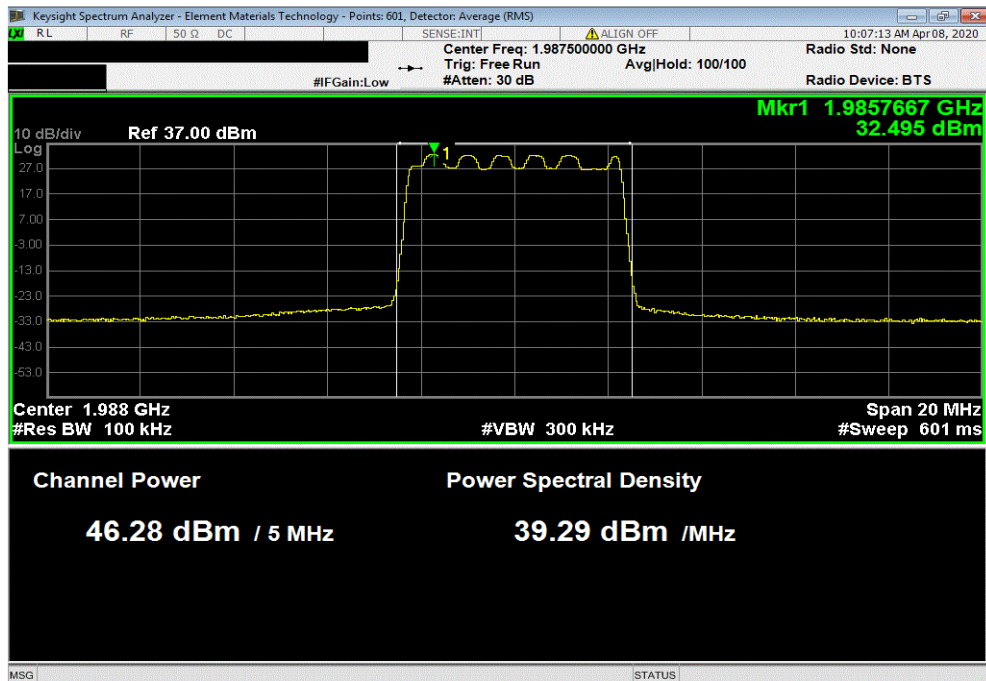
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.458	0	Not Provided	46.5	62.15	N/A	



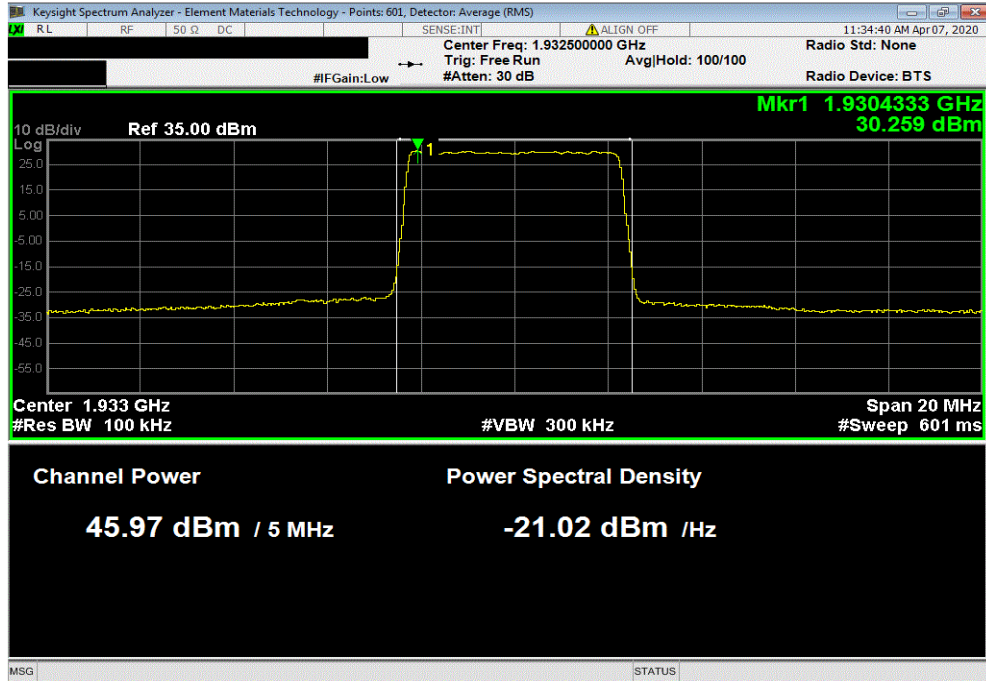
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 1987.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.284	0	Not Provided	46.3	62.15	N/A	



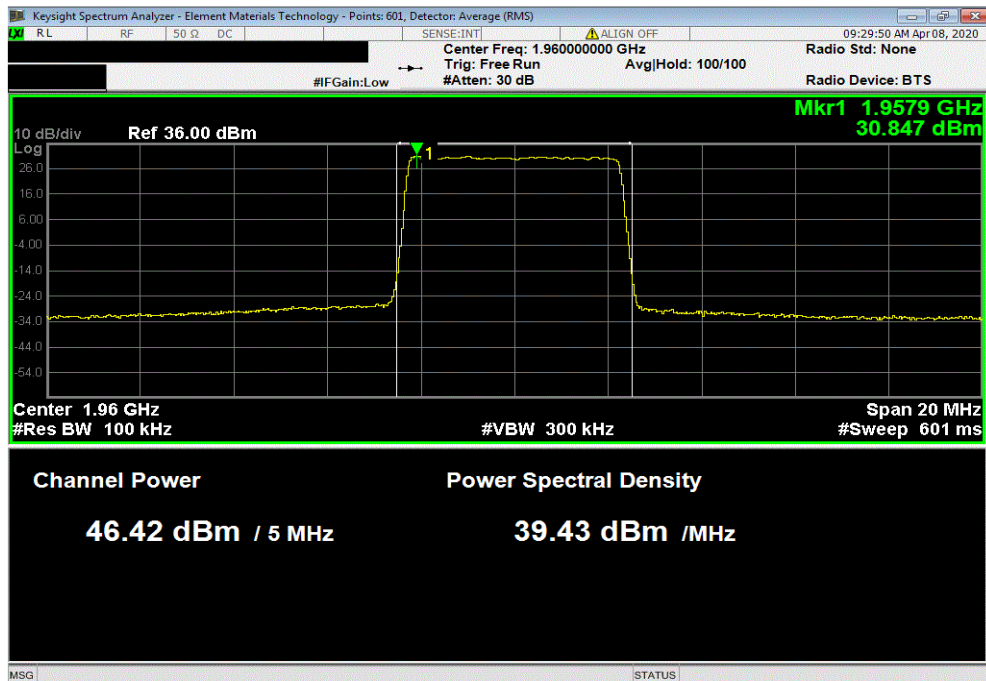
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1932.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
45.968	0	Not Provided	46.0	62.15	N/A	



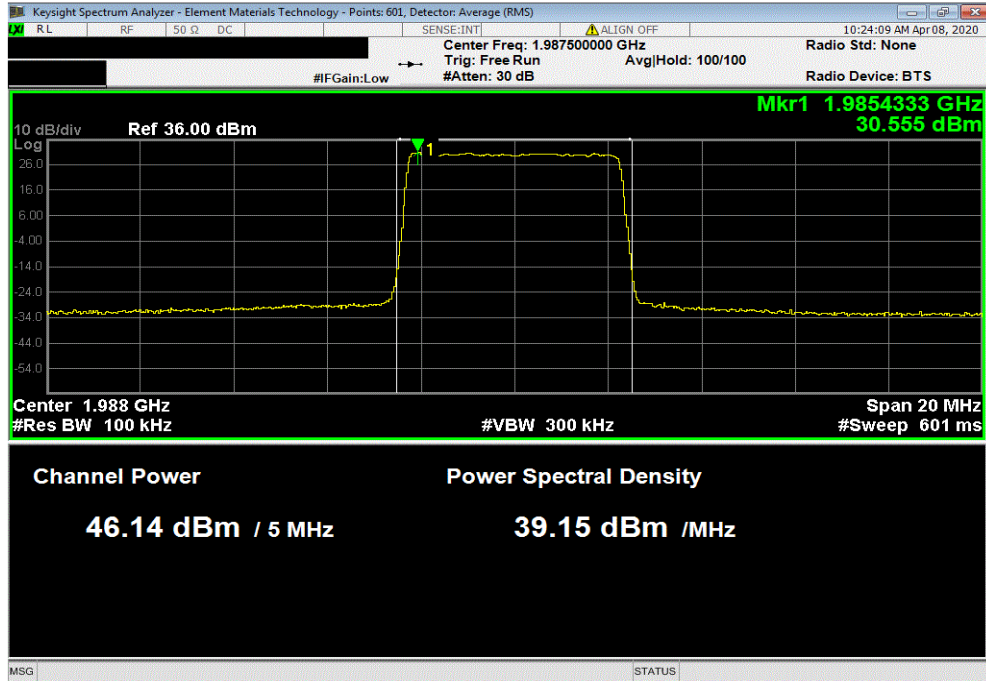
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.417	0	Not Provided	46.4	62.15	N/A	



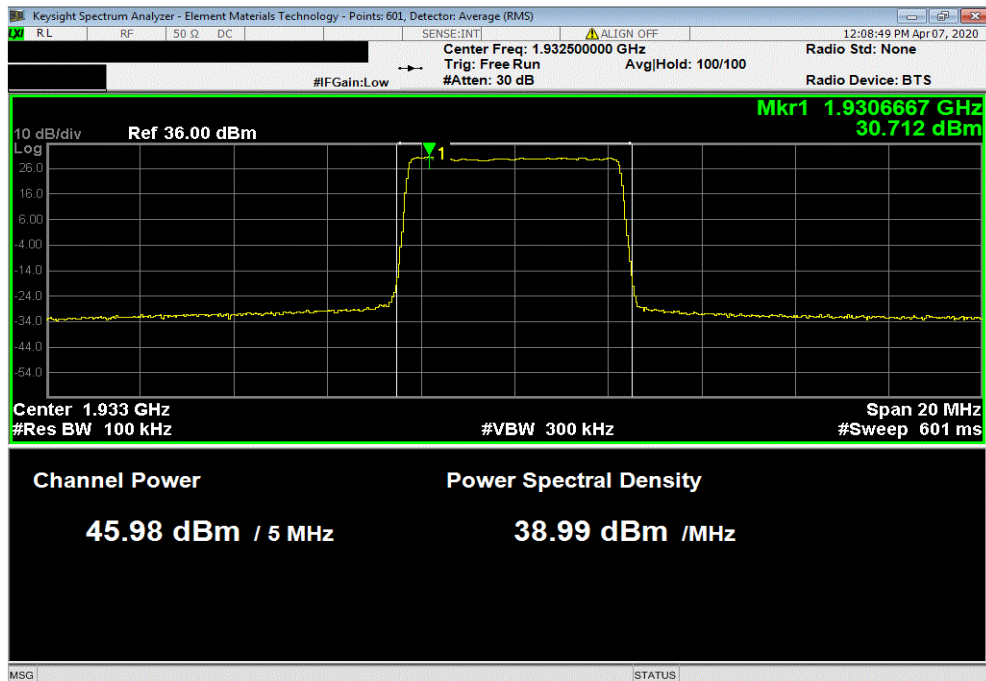
CONDUCTED OUTPUT POWER BAND 2

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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 1987.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.141	0	Not Provided	46.1	62.15	N/A	



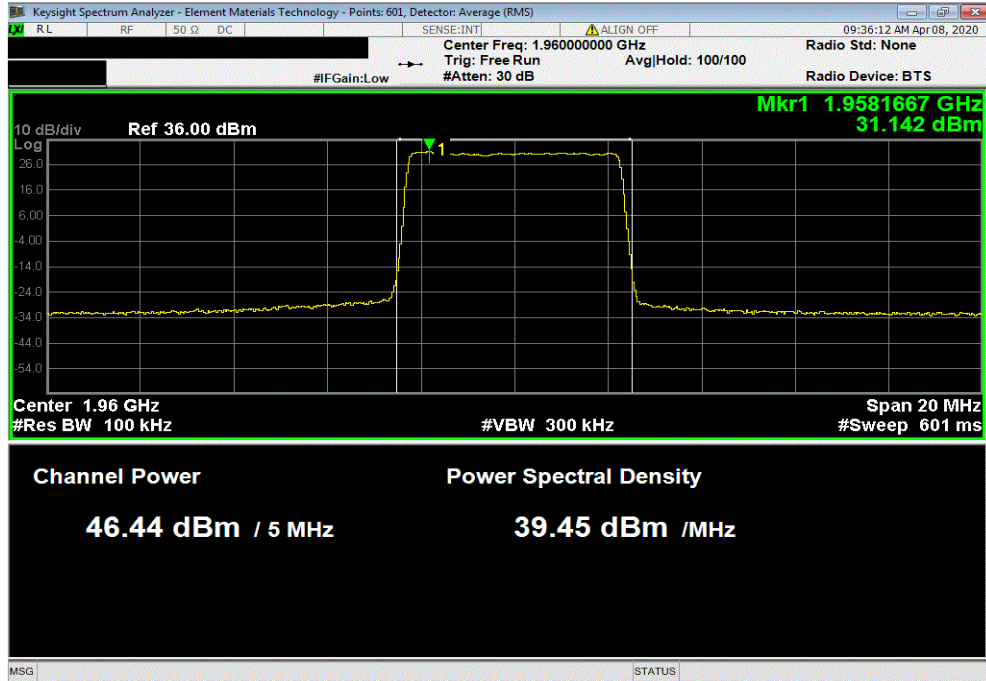
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1932.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
45.984	0	Not Provided	46.0	62.15	N/A	



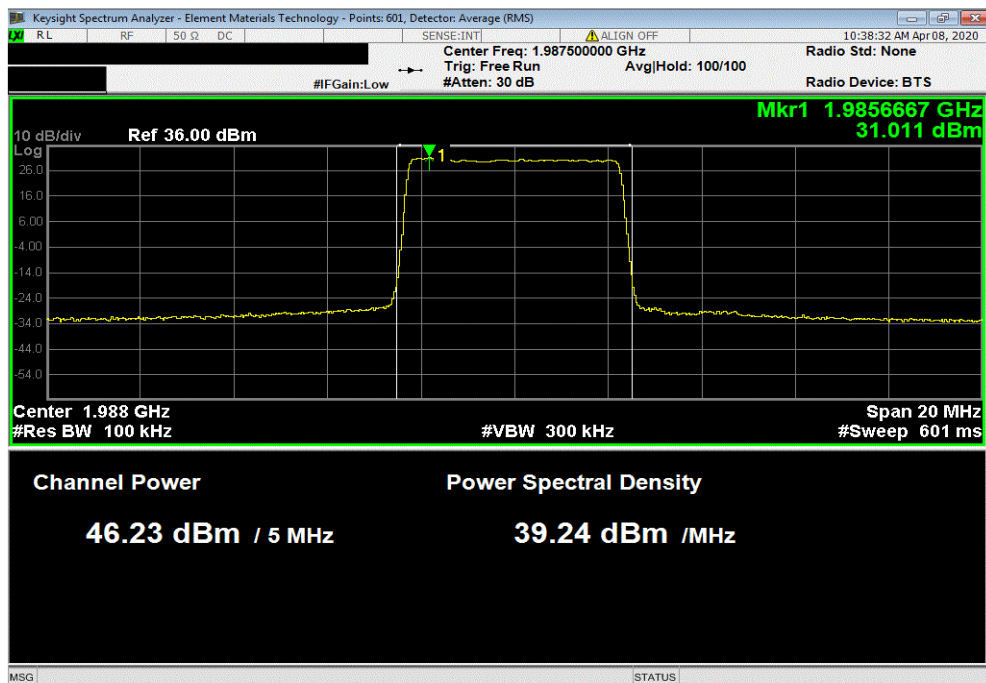
CONDUCTED OUTPUT POWER BAND 2

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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.443	0	Not Provided	46.4	62.15	N/A	



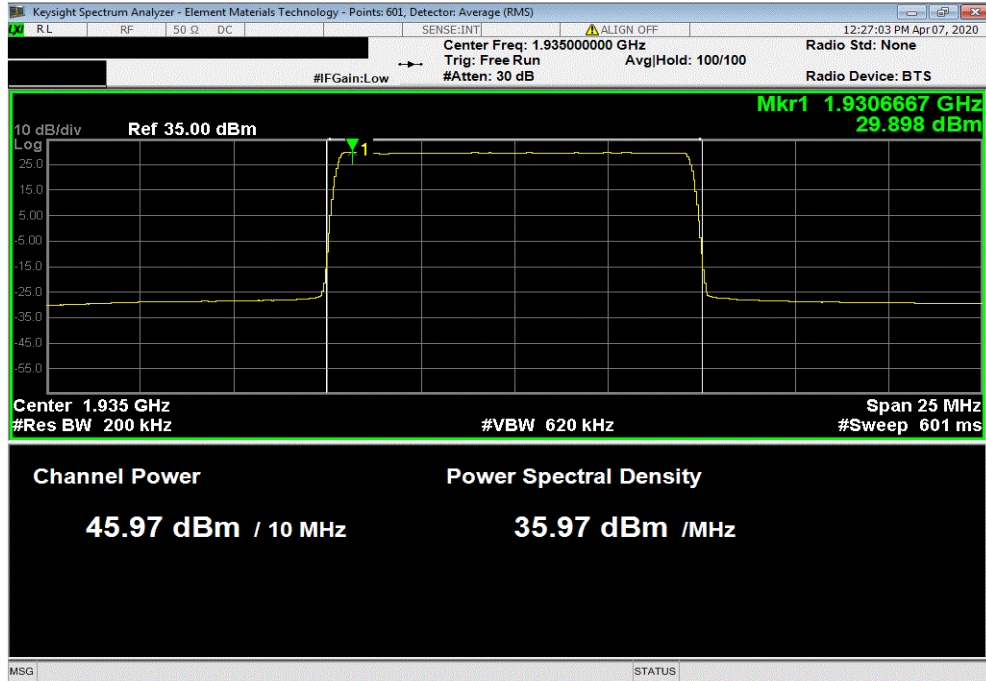
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 1987.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.225	0	Not Provided	46.2	62.15	N/A	



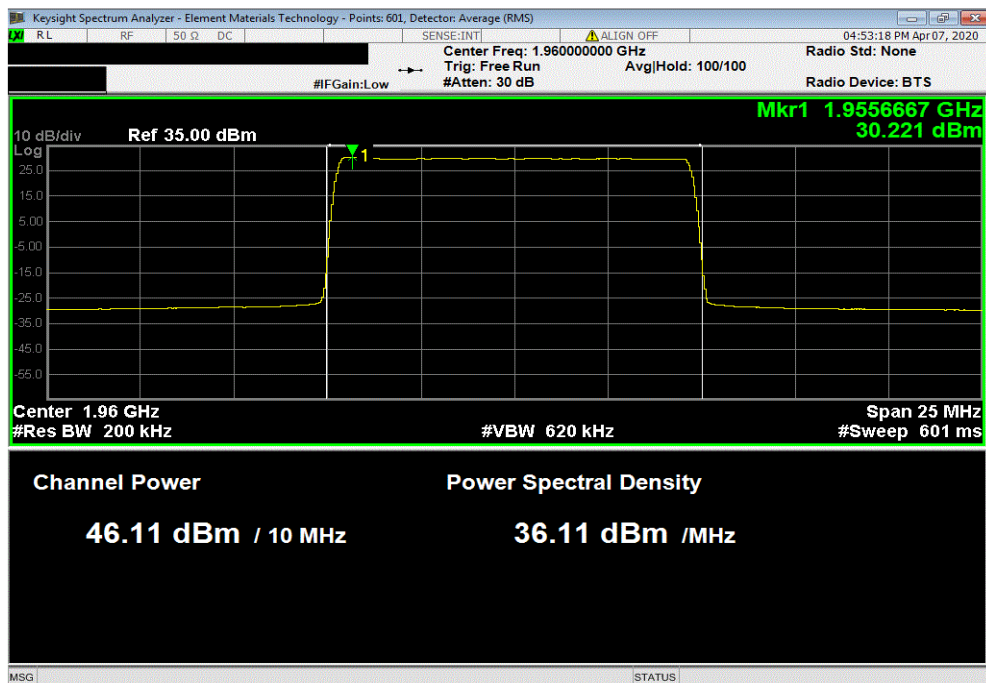
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 1935.0 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
45.969	0	Not Provided	46.0	62.15	N/A	



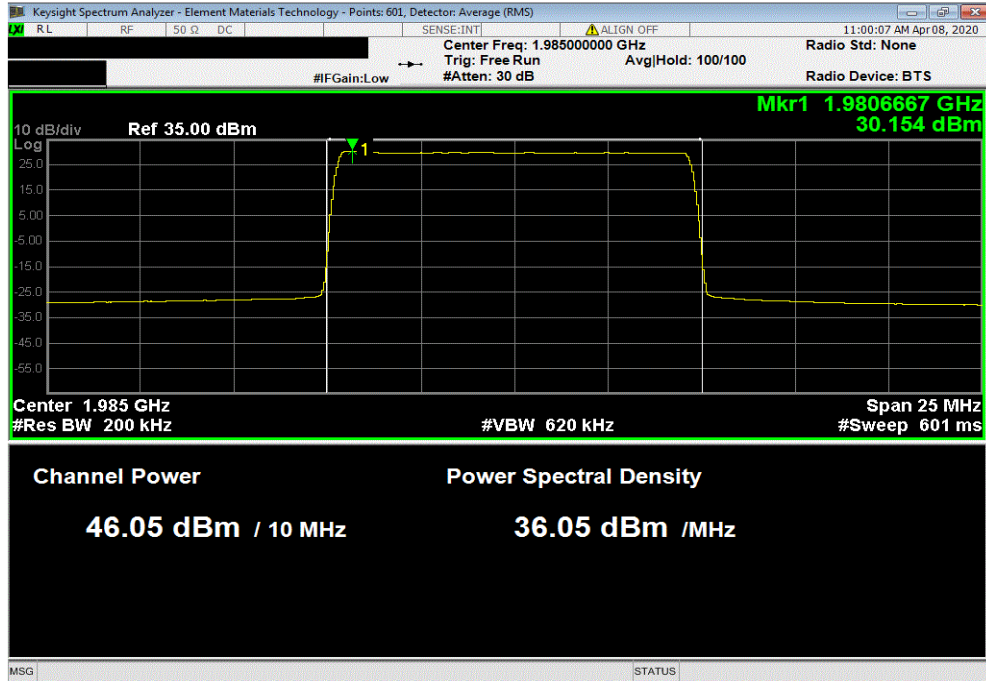
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, QPSK Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.115	0	Not Provided	46.1	62.15	N/A	



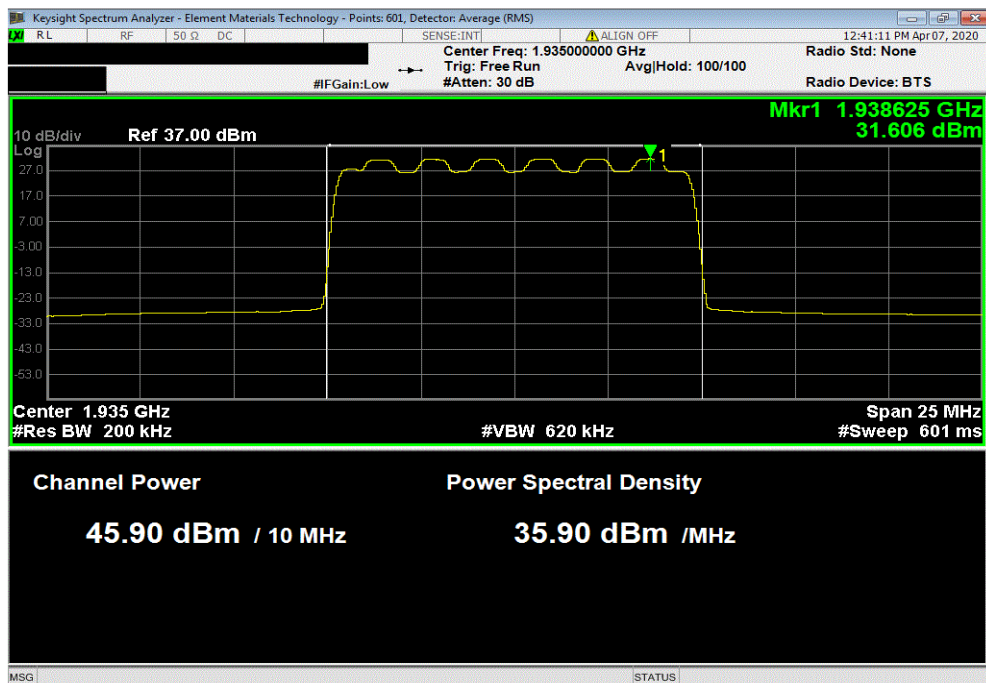
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, QPSK Modulation, High Channel, 1985 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.047	0	Not Provided	46.0	62.15	N/A	



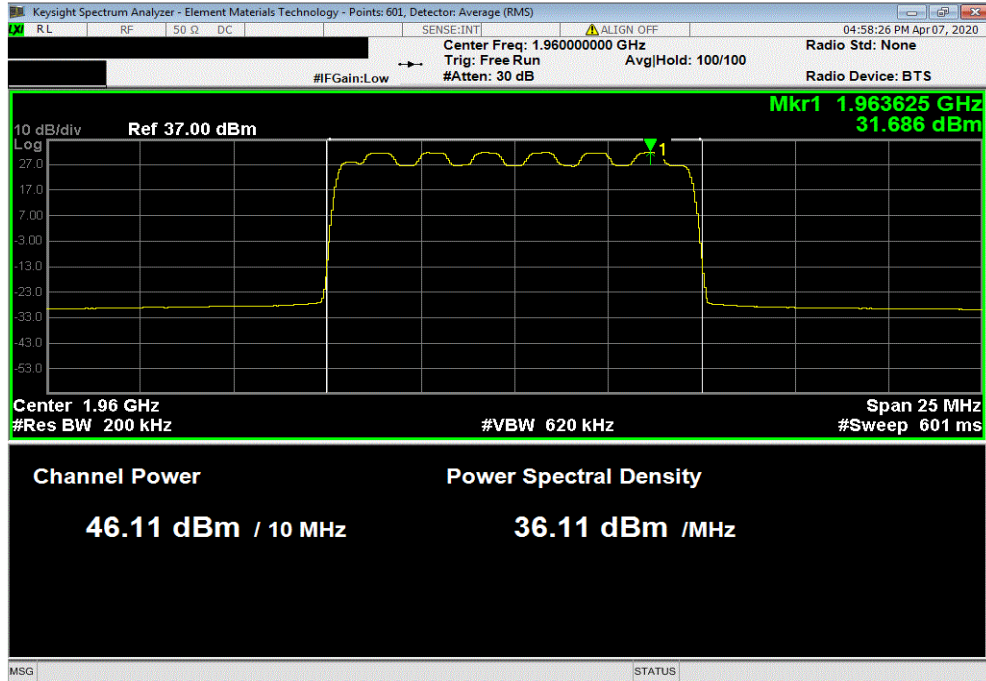
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1935.0 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
45.903	0	Not Provided	45.9	62.15	N/A	



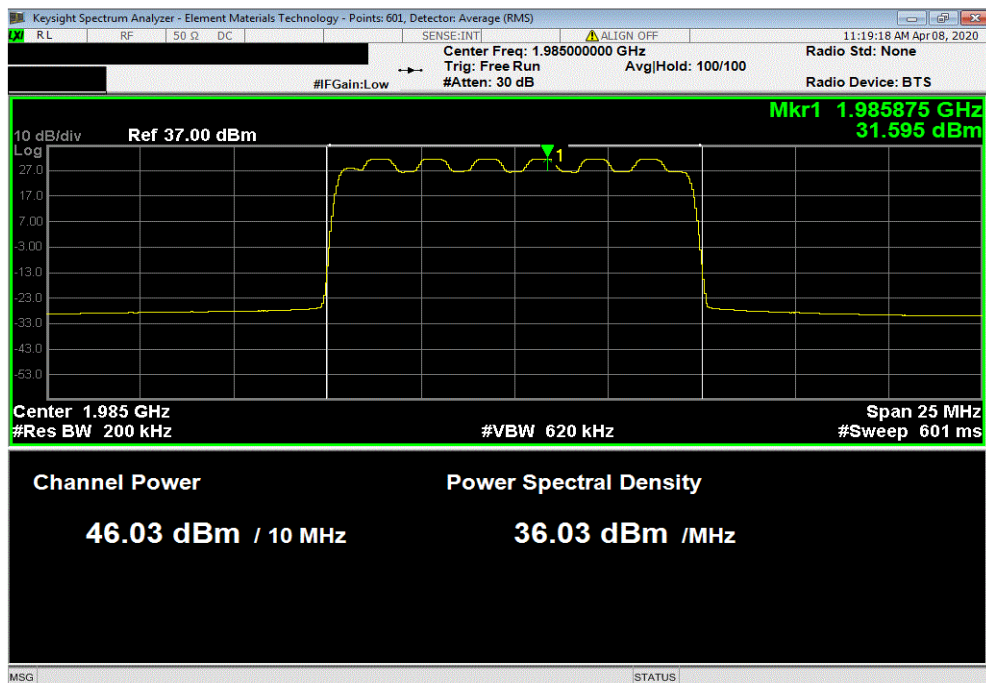
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.109	0	Not Provided	46.1	62.15	N/A	



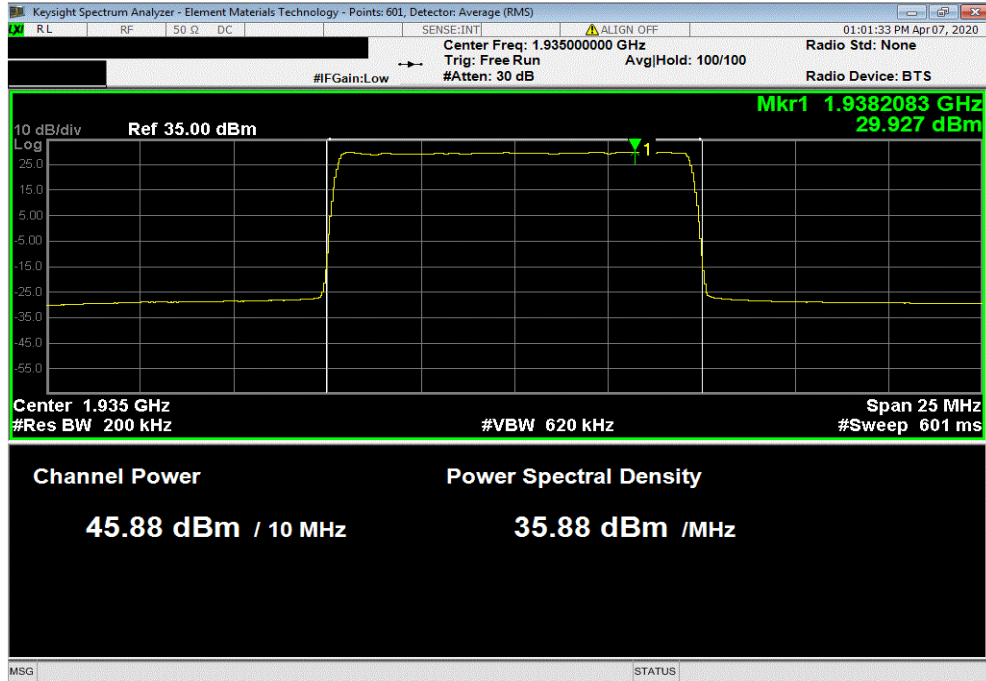
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 1985 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.025	0	Not Provided	46.0	62.15	N/A	



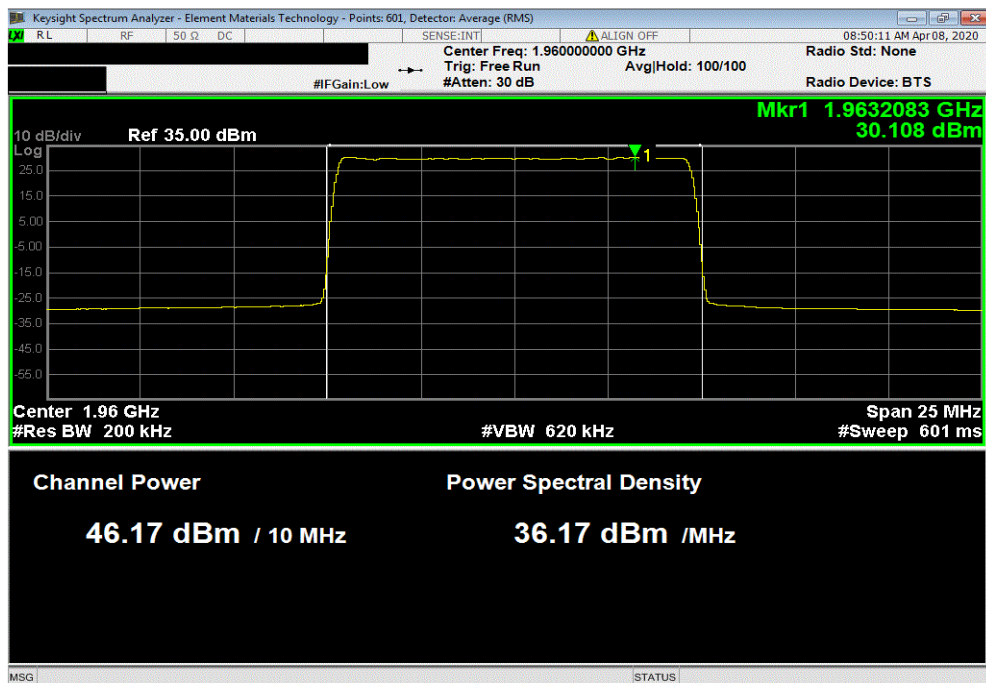
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1935.0 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
45.88	0	Not Provided	45.9	62.15	N/A	



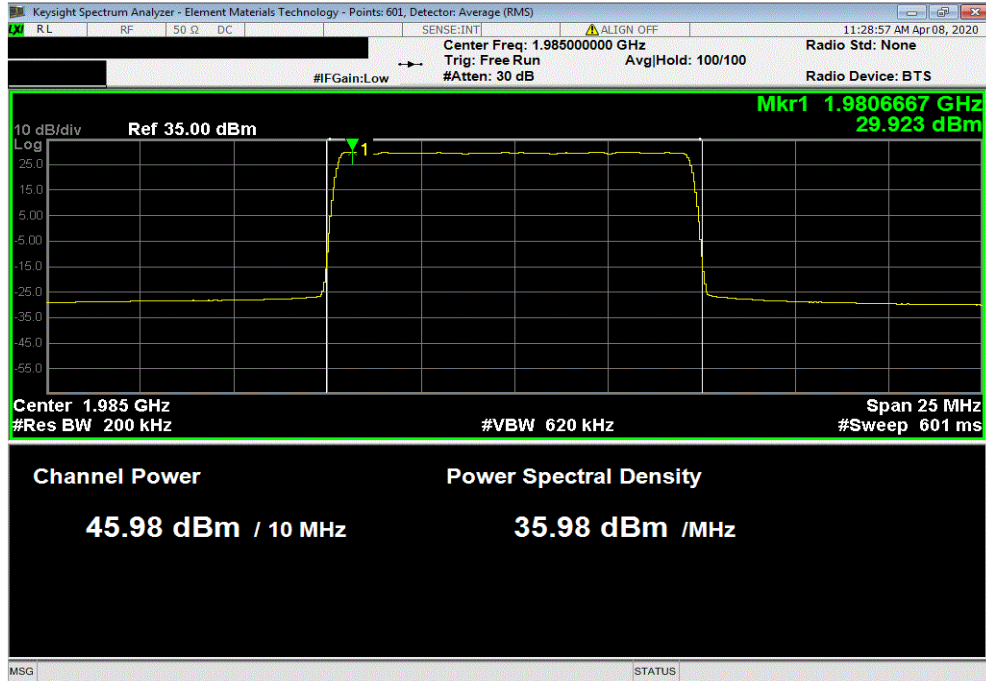
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.169	0	Not Provided	46.2	62.15	N/A	



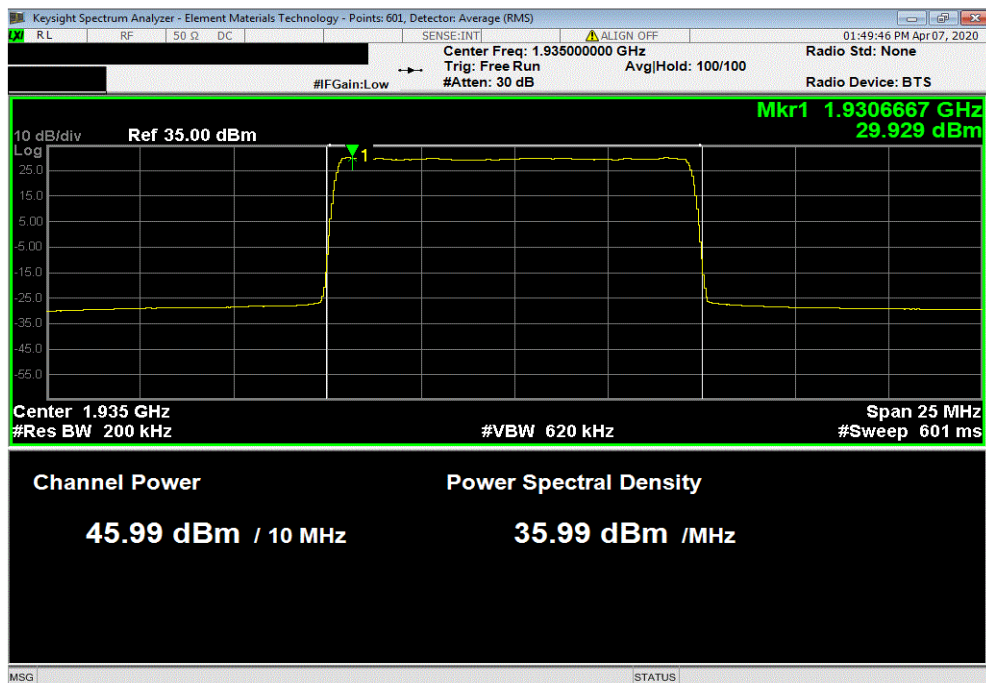
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 1985 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
45.976	0	Not Provided	46.0	62.15	N/A	



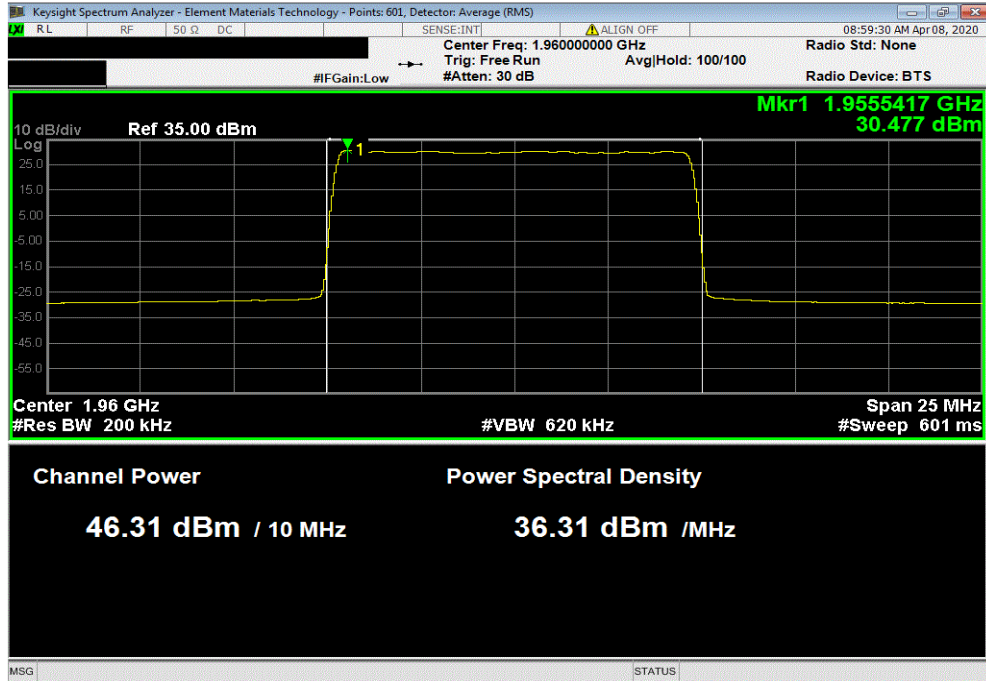
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1935.0 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
45.987	0	Not Provided	46.0	62.15	N/A	



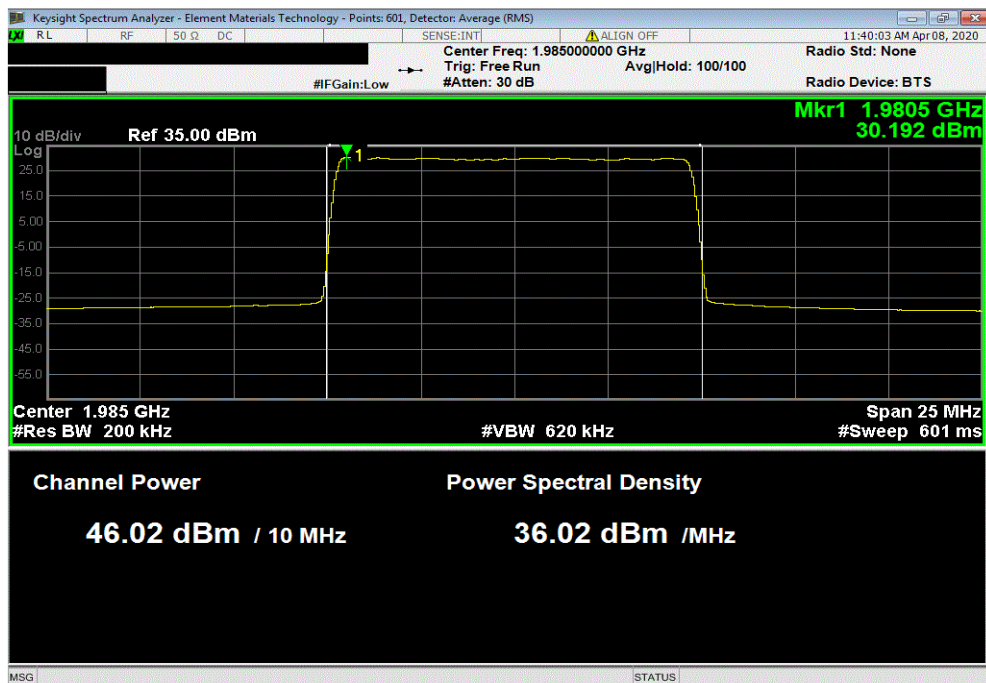
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Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.305	0	Not Provided	46.3	62.15	N/A	



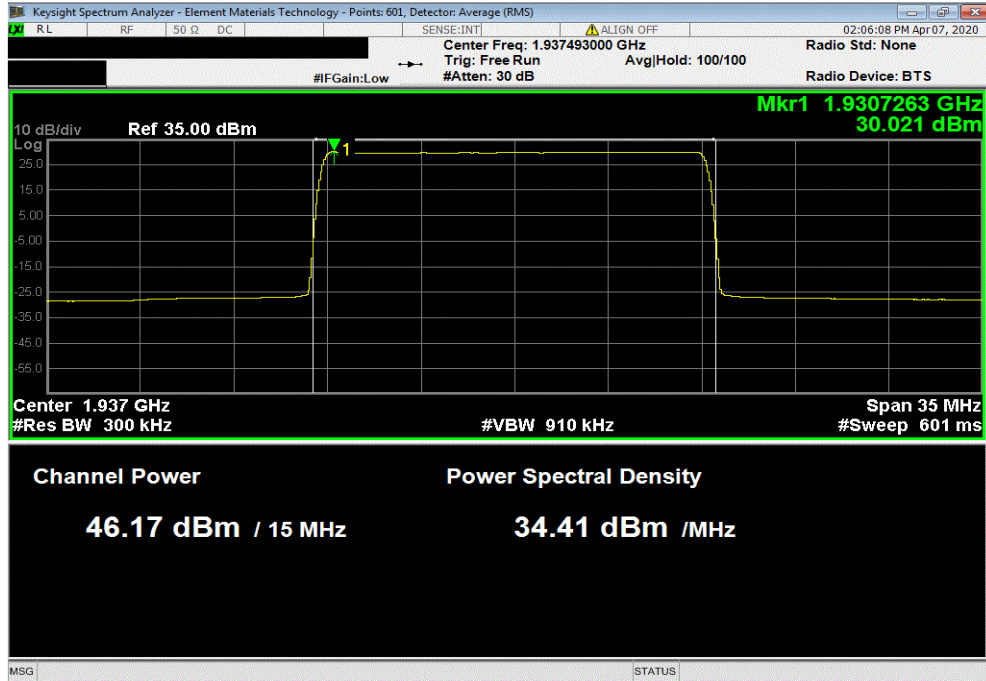
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 1985 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.018	0	Not Provided	46.0	62.15	N/A	



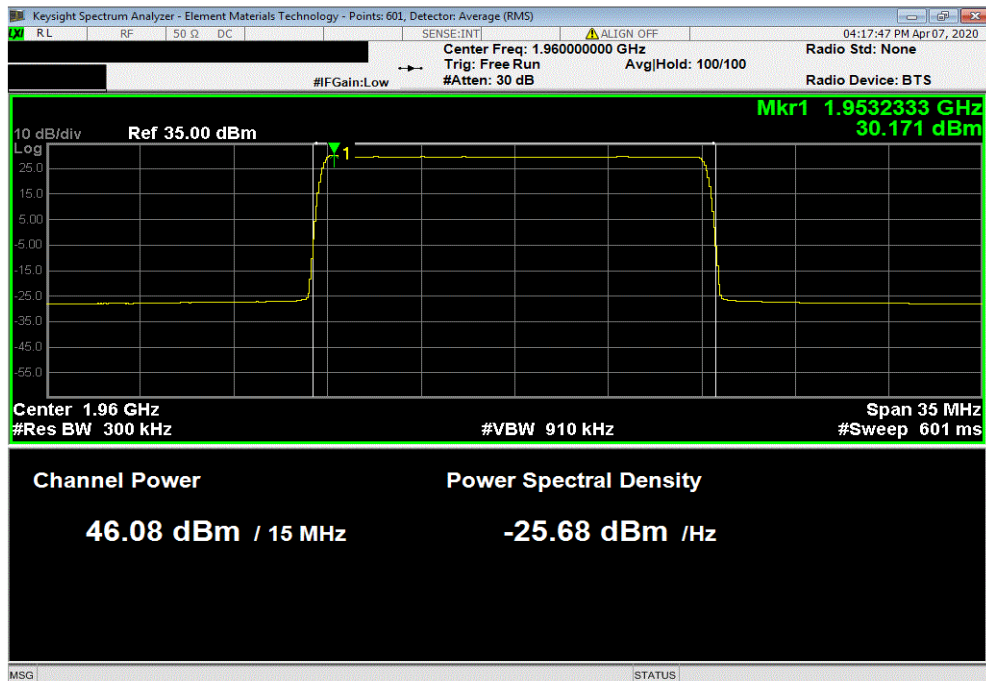
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, QPSK Modulation, Low Channel, 1937.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.173	0	Not Provided	46.2	62.15	N/A	



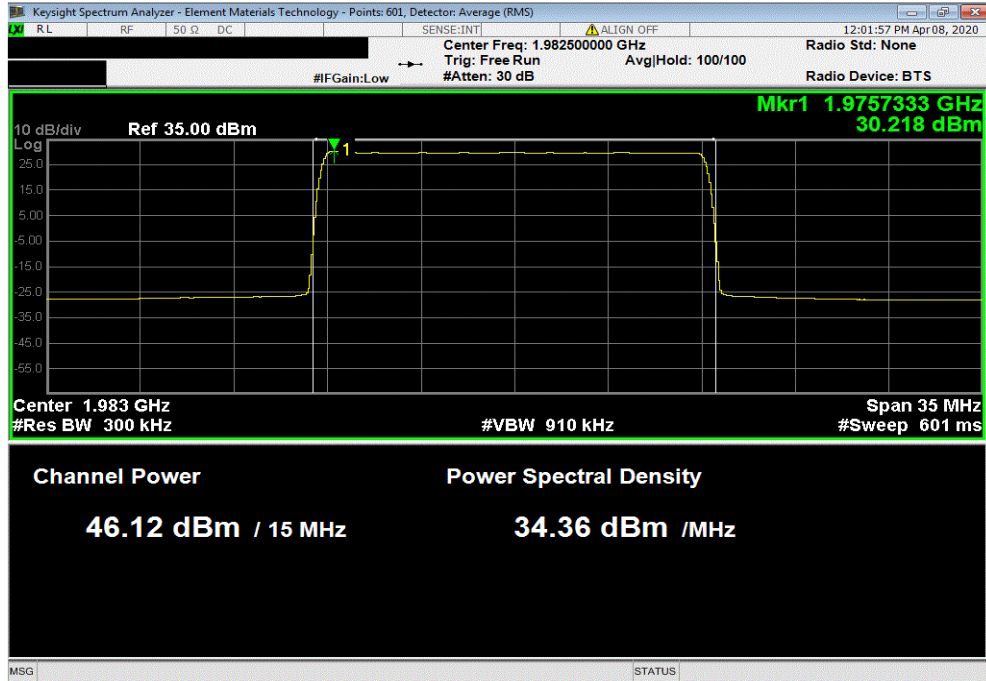
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, QPSK Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.082	0	Not Provided	46.1	62.15	N/A	



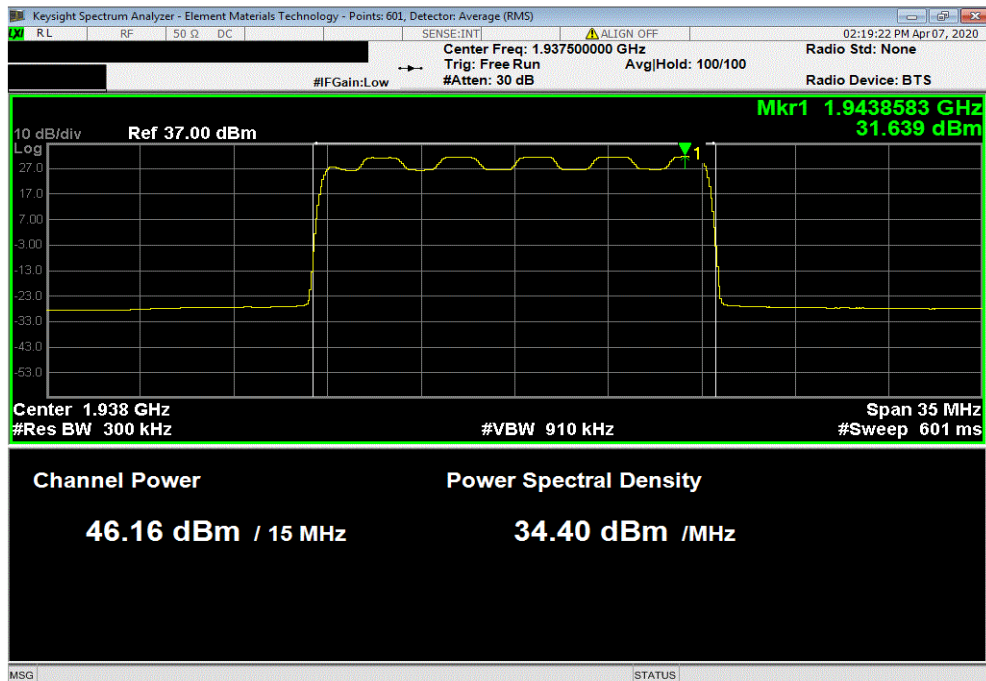
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, QPSK Modulation, High Channel, 1982.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.12	0	Not Provided	46.1	62.15	N/A	



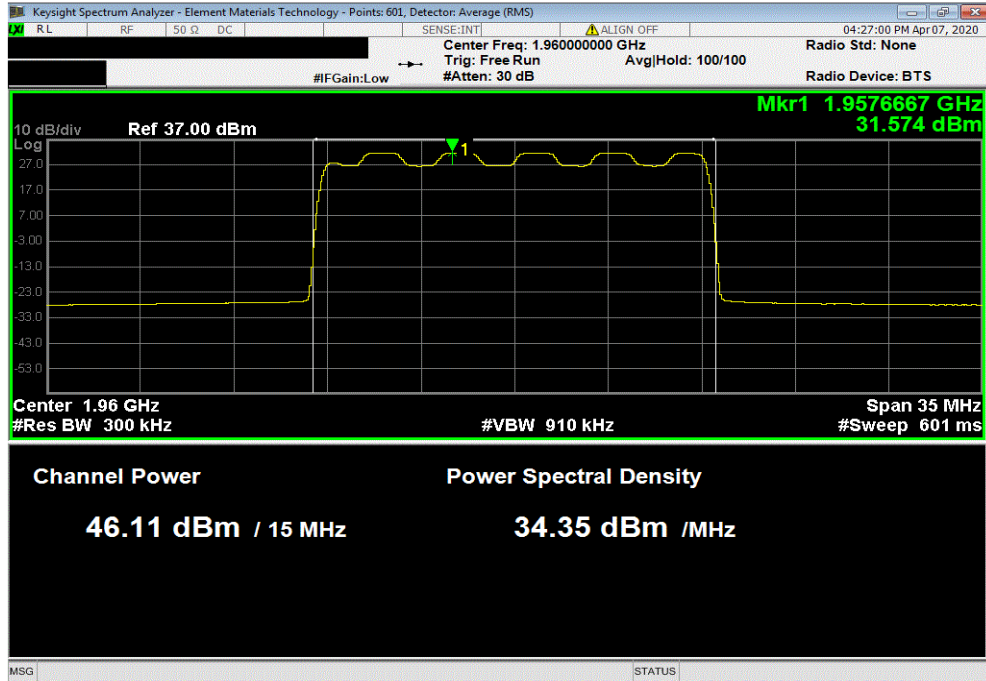
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1937.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.157	0	Not Provided	46.2	62.15	N/A	



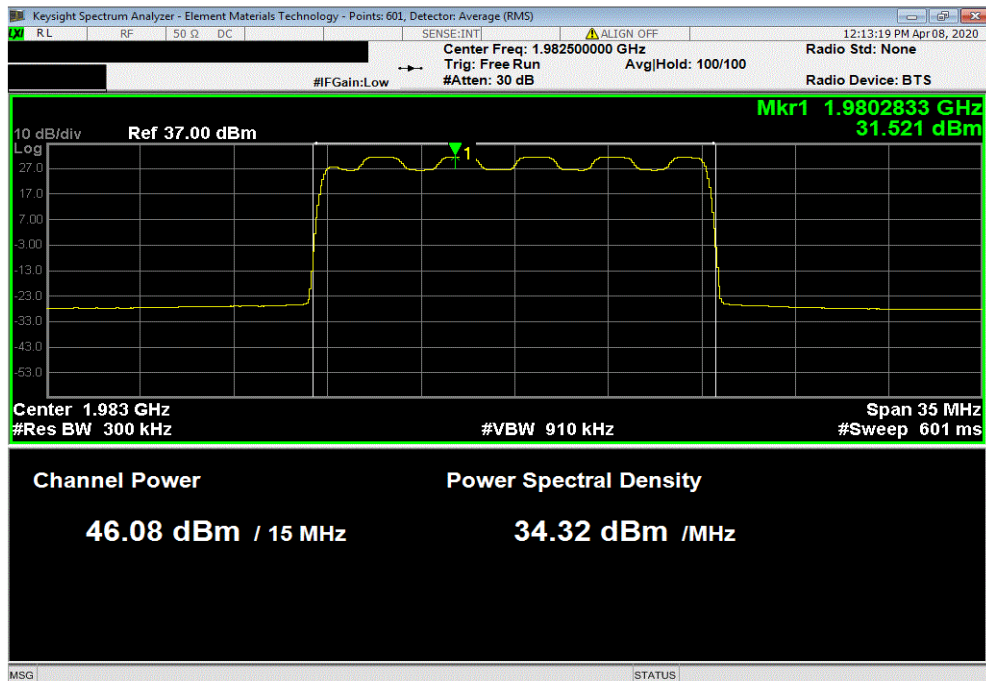
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.11	0	Not Provided	46.1	62.15	N/A	



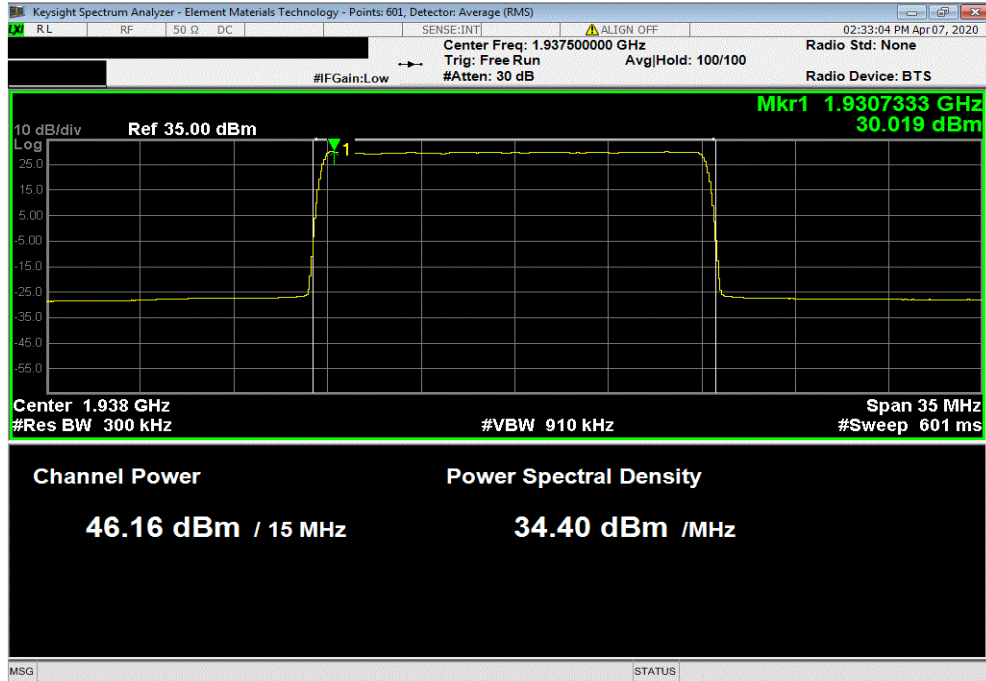
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 16-QAM Modulation, High Channel, 1982.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.077	0	Not Provided	46.1	62.15	N/A	



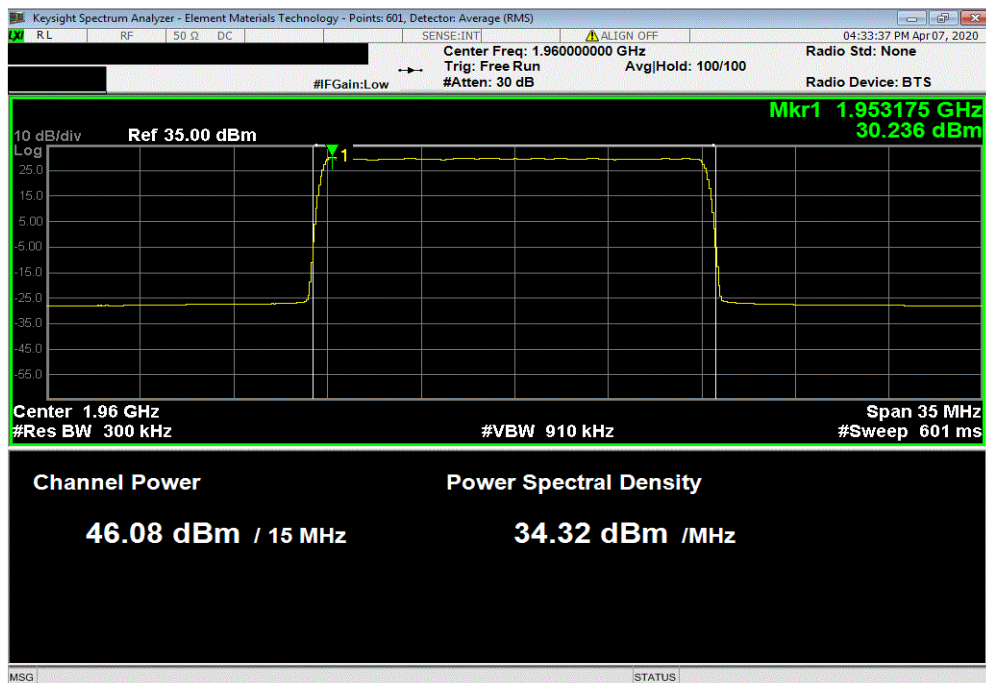
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1937.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.156	0	Not Provided	46.2	62.15	N/A	



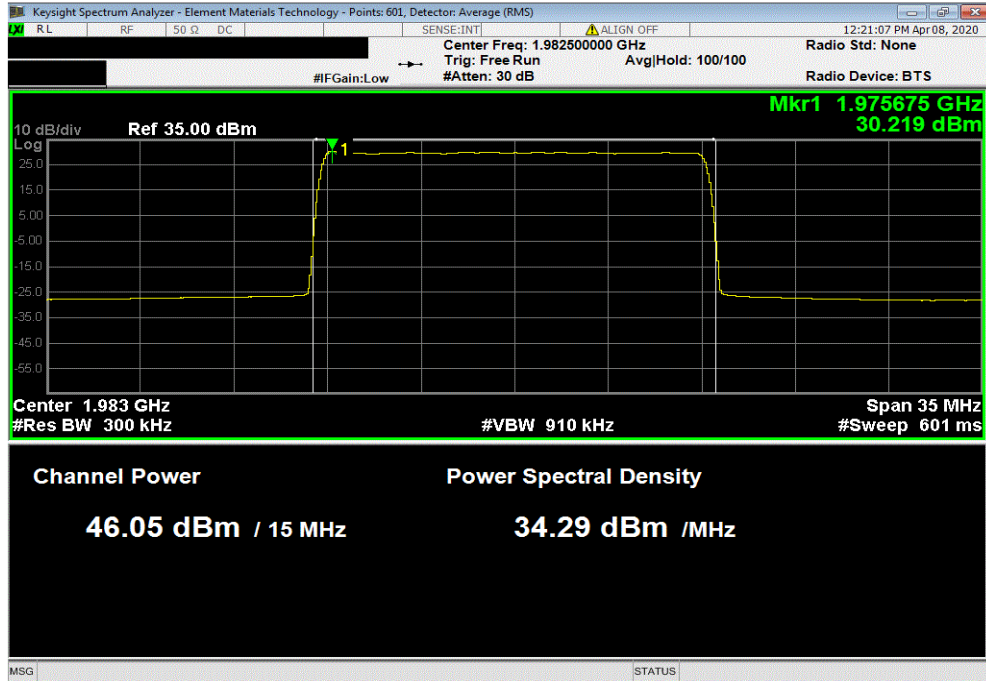
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.077	0	Not Provided	46.1	62.15	N/A	



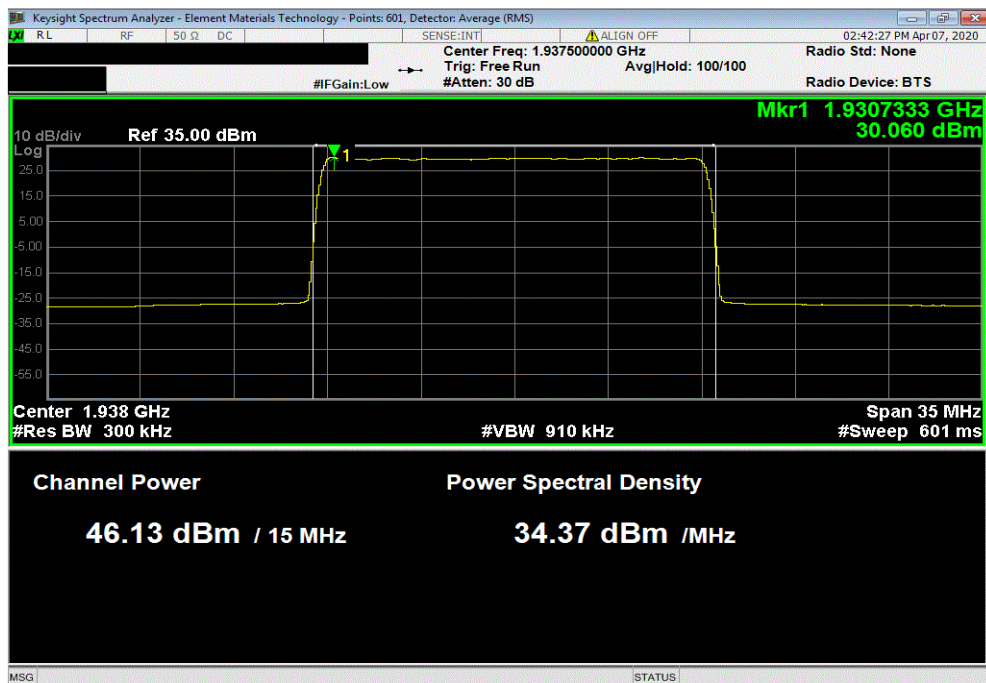
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 64-QAM Modulation, High Channel, 1982.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.049	0	Not Provided	46.0	62.15	N/A	



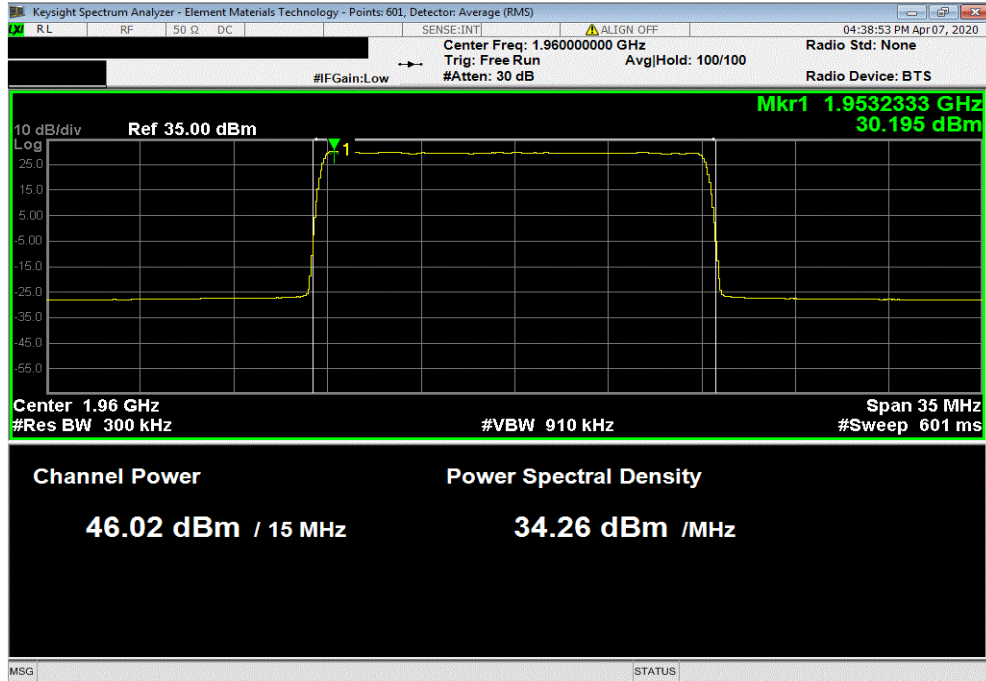
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1937.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.128	0	Not Provided	46.1	62.15	N/A	



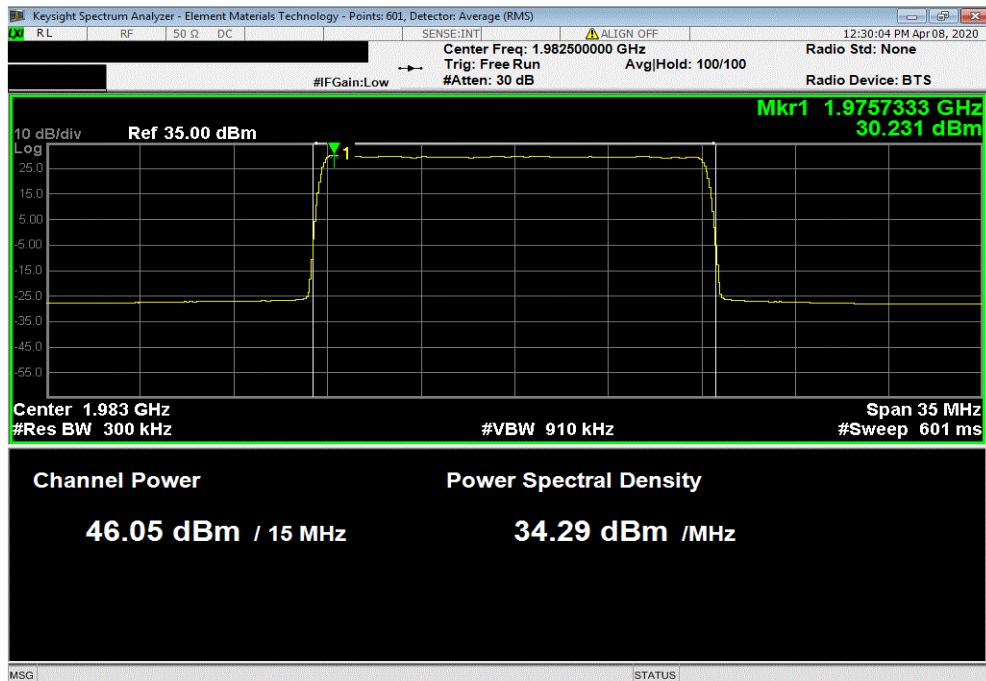
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMt 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.025	0	Not Provided	46.0	62.15	N/A	



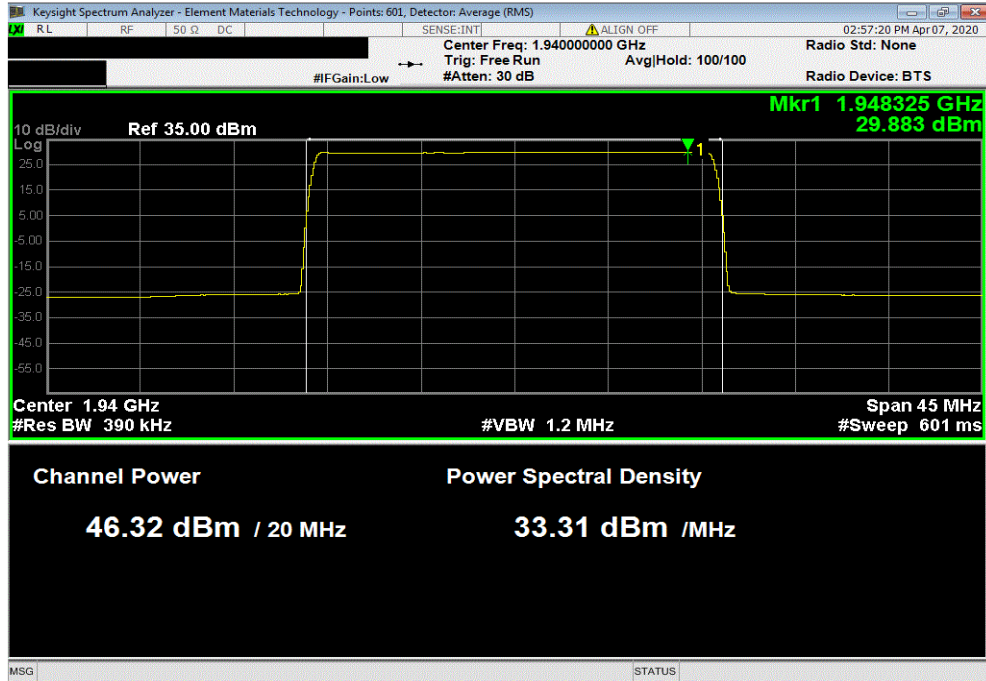
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 15 MHz Bandwidth, 256-QAM Modulation, High Channel, 1982.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.051	0	Not Provided	46.1	62.15	N/A	



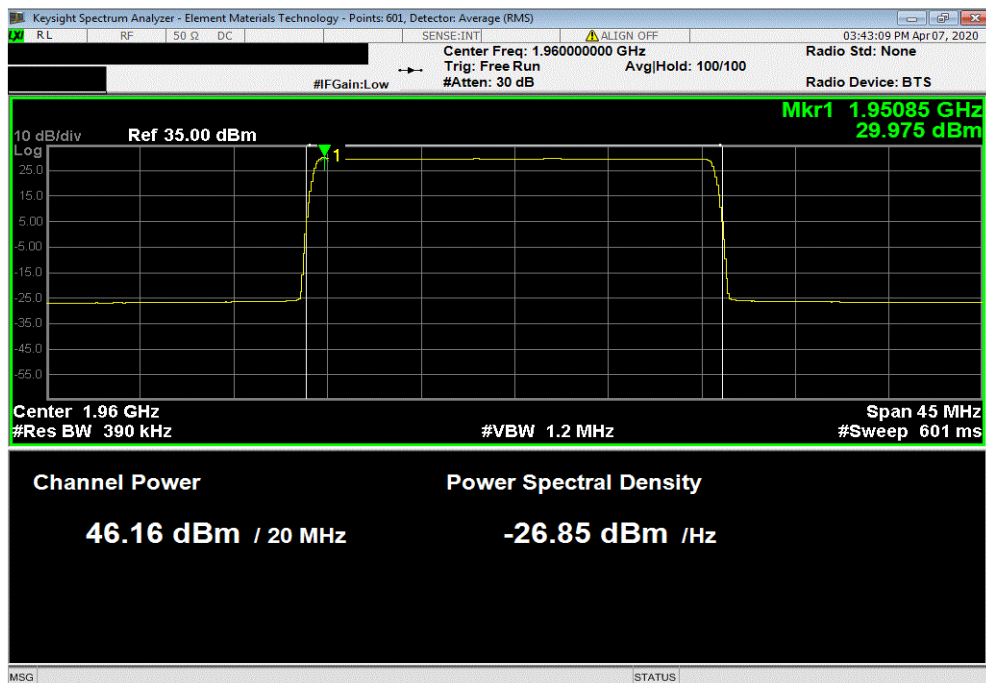
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, QPSK Modulation, Low Channel, 1940 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.319	0	Not Provided	46.3	62.15	N/A	



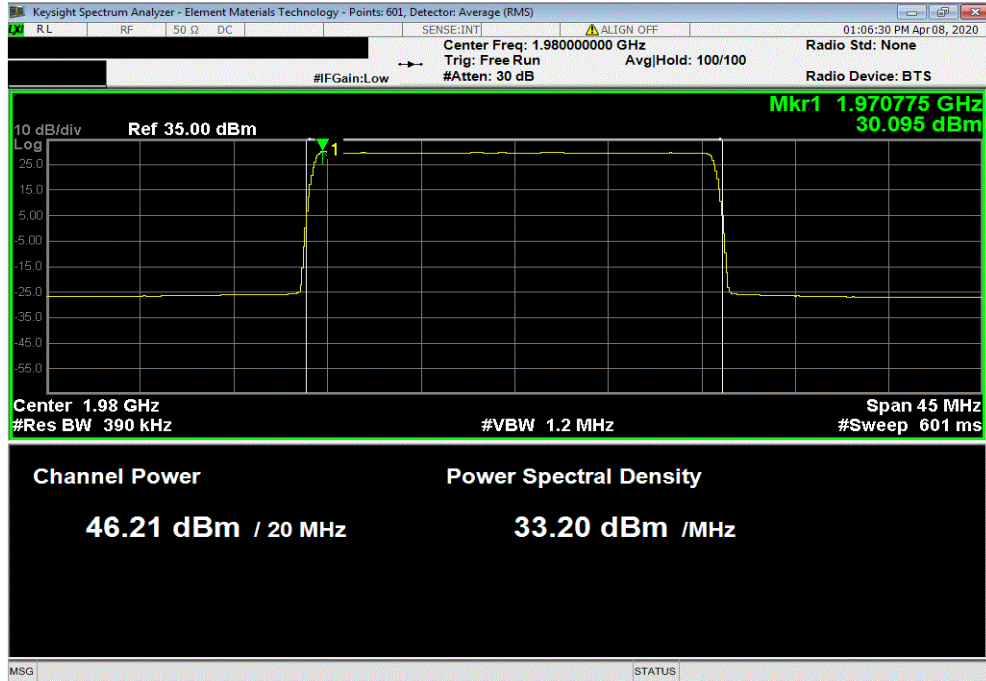
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, QPSK Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.162	0	Not Provided	46.2	62.15	N/A	



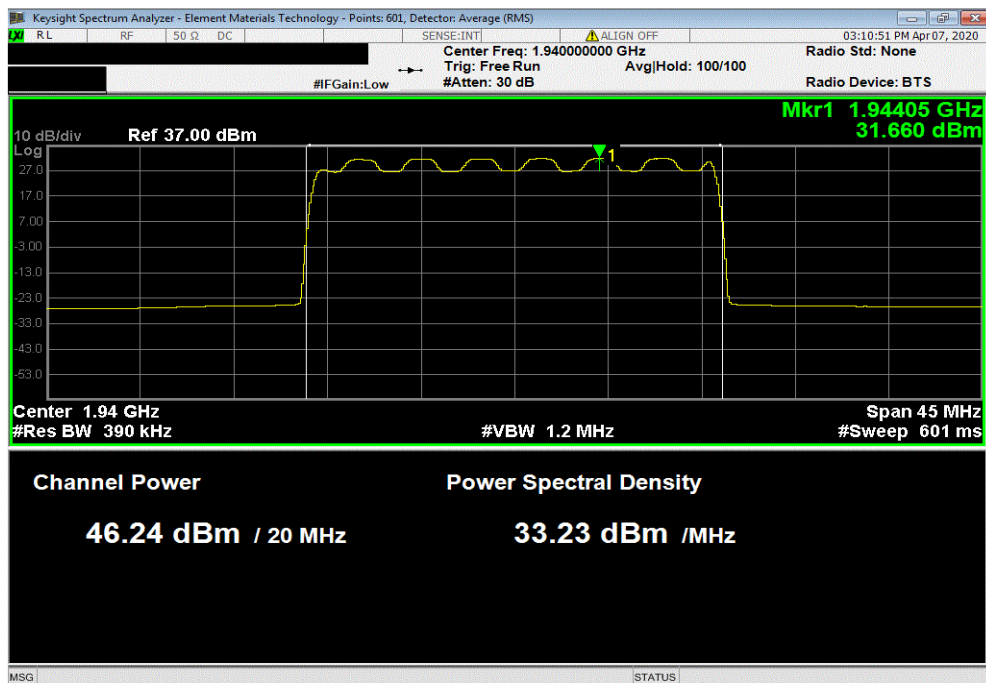
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, QPSK Modulation, High Channel, 1980 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.214	0	Not Provided	46.2	62.15	N/A	



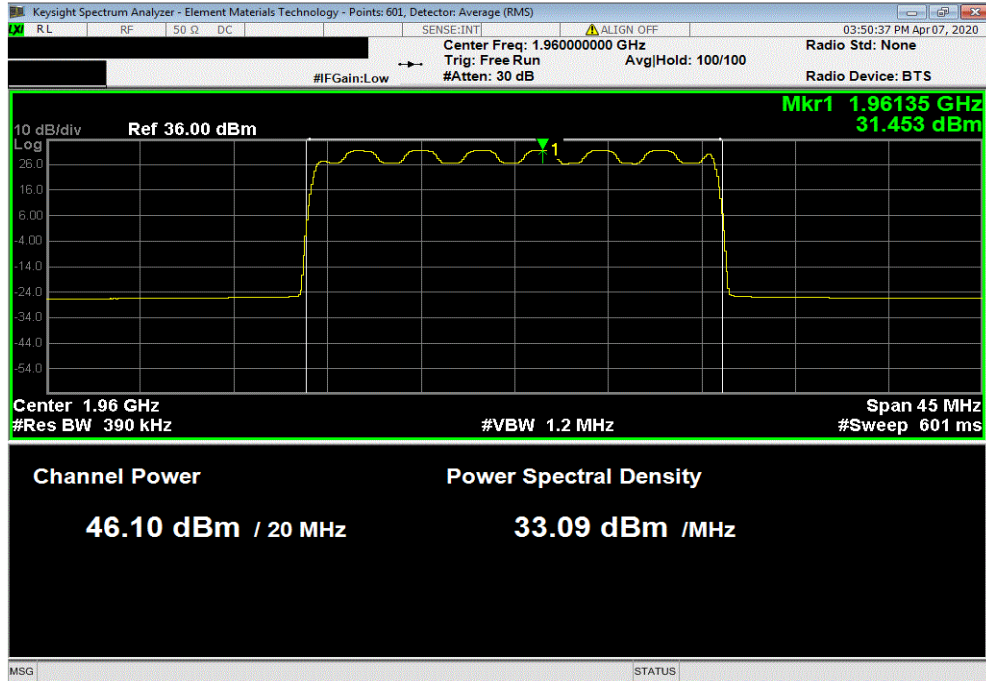
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1940 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.241	0	Not Provided	46.2	62.15	N/A	



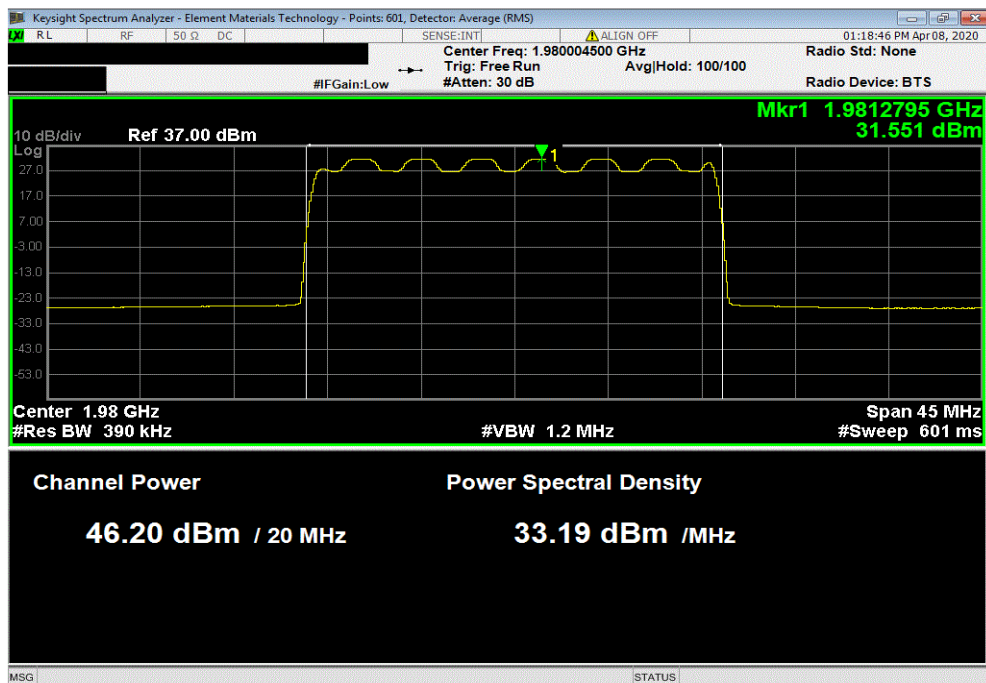
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.1	0	Not Provided	46.1	62.15	N/A	



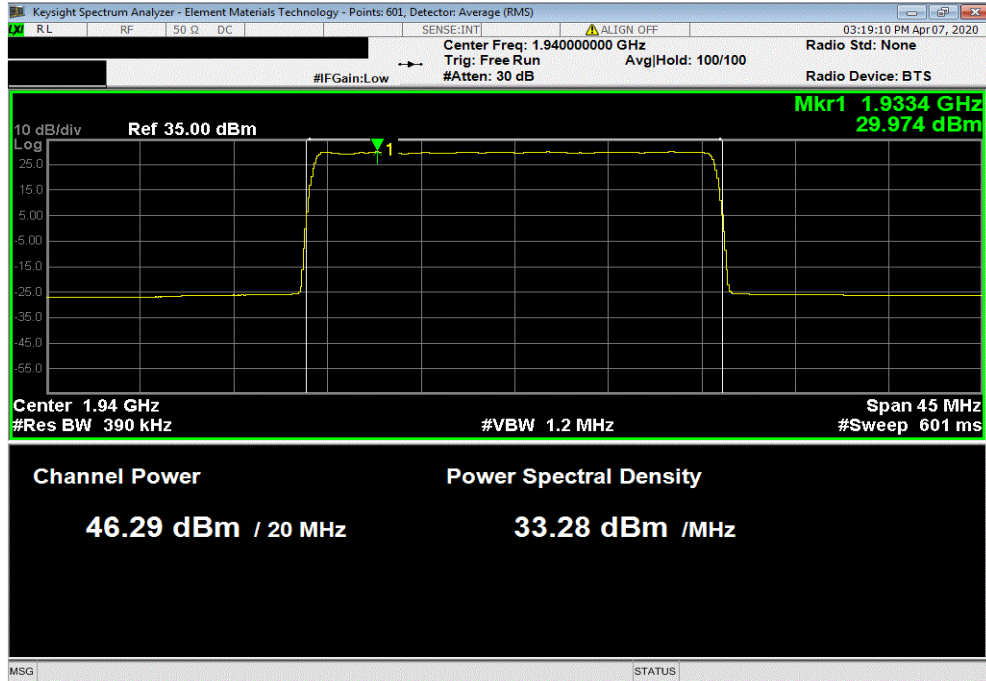
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 16-QAM Modulation, High Channel, 1980 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.2	0	Not Provided	46.2	62.15	N/A	



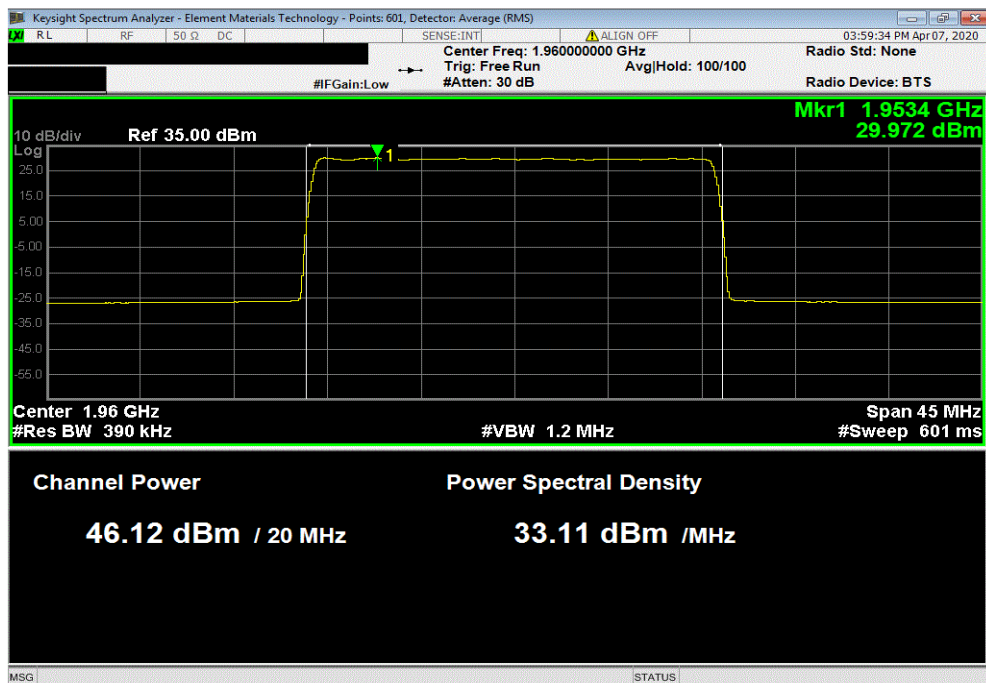
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1940 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.288	0	Not Provided	46.3	62.15	N/A	



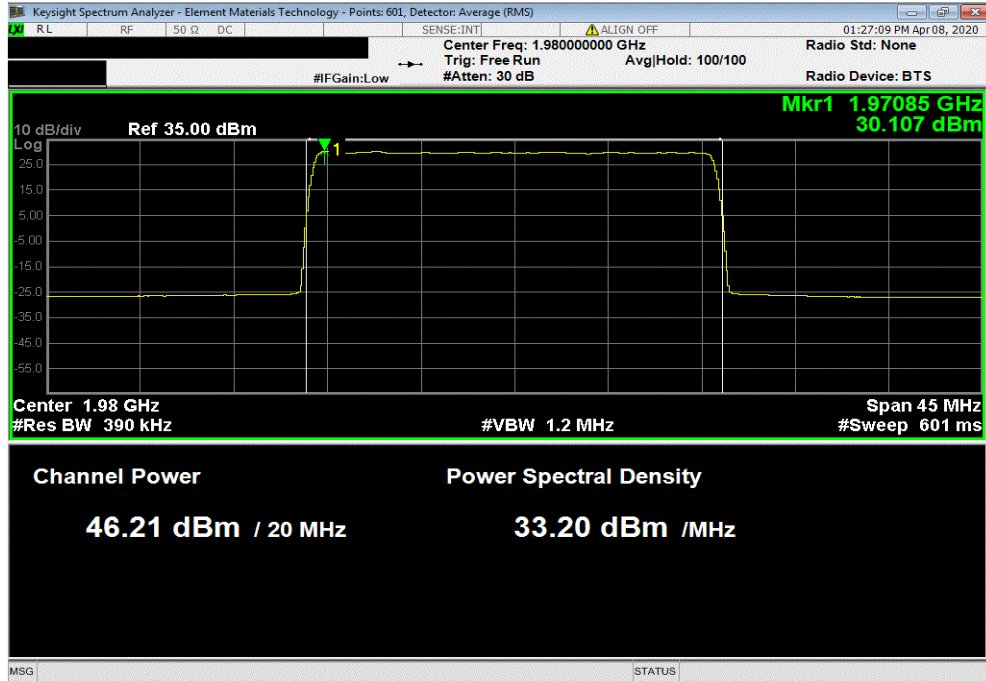
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.117	0	Not Provided	46.1	62.15	N/A	



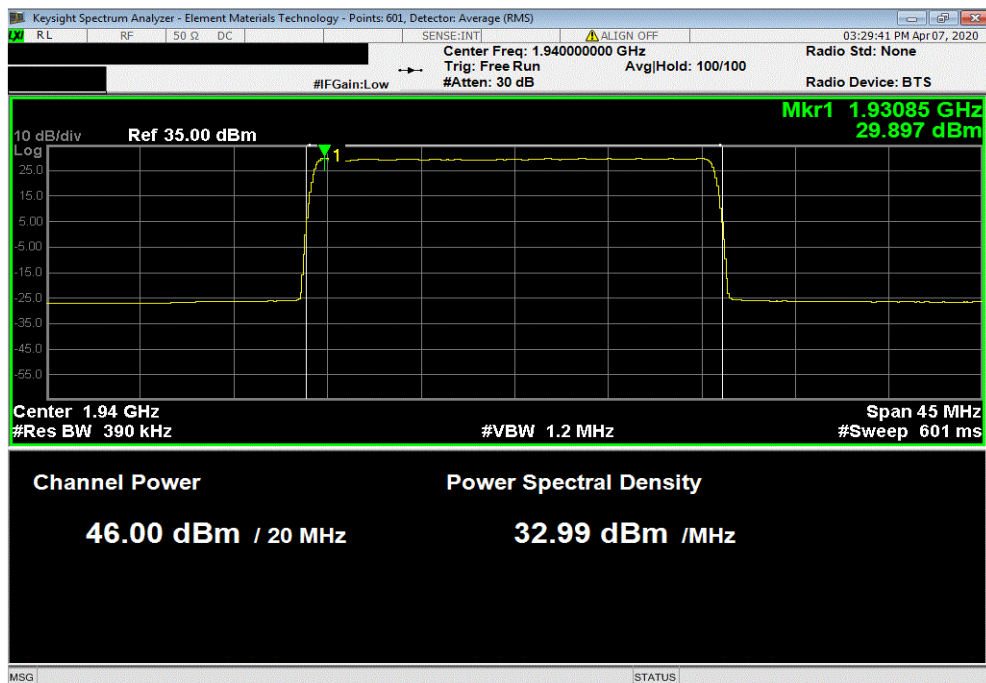
CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 64-QAM Modulation, High Channel, 1980 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.209	0	Not Provided	46.2	62.15	N/A	



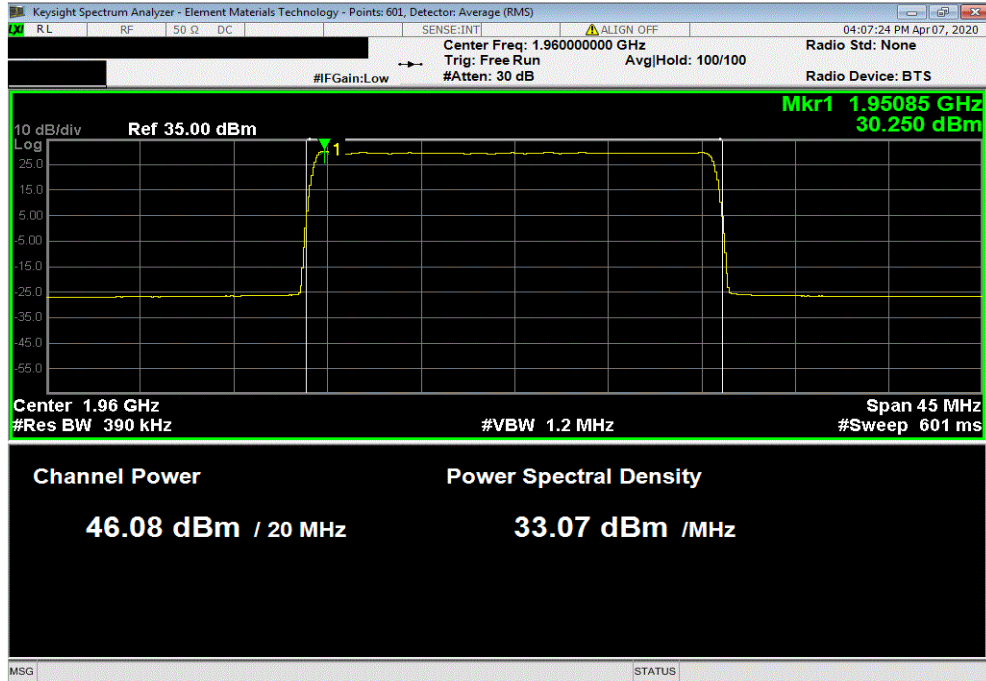
Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1940 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
45.996	0	Not Provided	46.0	62.15	N/A	



CONDUCTED OUTPUT POWER BAND 2

TMTx 2019.08.30.0 XMM 2020.03.25.0

Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1960 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.082	0	Not Provided	46.1	62.15	N/A	



Band 2, 1930 MHz - 1990 MHz, 5G, Port 7, 20 MHz Bandwidth, 256-QAM Modulation, High Channel, 1980 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.181	0	Not Provided	46.2	62.15	N/A	

