

CONDUCTED OUTPUT POWER BAND 66a

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 FCC section 27.50(d)(2)(ii), the Equivalent Isotropically radiated Power (EIRP) of the transceiver cannot exceed 1640 Watts/MHz.

Per RSS 139 section 6.5/ SRSP-513 5.1.1, the maximum (EIRP) limits are 1640 watts/MHz.

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Thru 2019.06.30.0 XMI 2020.03.25.0

EUT: AHFIC		Work Order: NOKI0007	
Serial Number: K9180317594		Date: 6-Apr-20	
Customer: Nokia Solutions and Networks		Temperature: 21.4 °C	
Attendees: Mitch Hill, John Rattanaovong		Humidity: 45.4% RH	
Project: None		Barometric Pres.: 1016 mbar	
Tested by: Brandon Hobbs	Power: 54 VDC	Job Site: TX03	
TEST SPECIFICATIONS		Test Method	
FCC 27:2020		ANSI C63.26:2015	
RSS-139:2015, SRSP-513		RSS-139:2015, SRSP-513	
COMMENTS			
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 #	2	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 66a, 2110 MHz - 2180 MHz, 5G

Port 3

5 MHz Bandwidth

QPSK Modulation

Low Channel, 2112.5 MHz	47.015	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.435	0	Not Provided	47.4	62.15	N/A
High Channel, 2177.5 MHz	47.253	0	Not Provided	47.3	62.15	N/A

16-QAM Modulation

Low Channel, 2112.5 MHz	47.046	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.37	0	Not Provided	47.4	62.15	N/A
High Channel, 2177.5 MHz	47.076	0	Not Provided	47.1	62.15	N/A

64-QAM Modulation

Low Channel, 2112.5 MHz	46.96	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.278	0	Not Provided	47.3	62.15	N/A
High Channel, 2177.5 MHz	46.891	0	Not Provided	46.9	62.15	N/A

256-QAM Modulation

Low Channel, 2112.5 MHz	47.01	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.309	0	Not Provided	47.3	62.15	N/A
High Channel, 2177.5 MHz	46.875	0	Not Provided	46.9	62.15	N/A

10 MHz Bandwidth

QPSK Modulation

Low Channel, 2115.0 MHz	47.003	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.374	0	Not Provided	47.4	62.15	N/A
High Channel, 2175 MHz	46.957	0	Not Provided	47.0	62.15	N/A

16-QAM Modulation

Low Channel, 2115.0 MHz	47.042	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.217	0	Not Provided	47.2	62.15	N/A
High Channel, 2175 MHz	46.947	0	Not Provided	46.9	62.15	N/A

64-QAM Modulation

Low Channel, 2115.0 MHz	46.996	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.348	0	Not Provided	47.3	62.15	N/A
High Channel, 2175 MHz	46.893	0	Not Provided	46.9	62.15	N/A

256-QAM Modulation

Low Channel, 2115.0 MHz	46.985	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.243	0	Not Provided	47.2	62.15	N/A
High Channel, 2175 MHz	46.908	0	Not Provided	46.9	62.15	N/A

15 MHz Bandwidth

QPSK Modulation

Low Channel, 2117.5 MHz	47.121	0	Not Provided	47.1	62.15	N/A
Mid Channel, 2145 MHz	47.223	0	Not Provided	47.2	62.15	N/A
High Channel, 2172.5 MHz	47.006	0	Not Provided	47.0	62.15	N/A

16-QAM Modulation

Low Channel, 2117.5 MHz	47.148	0	Not Provided	47.1	62.15	N/A
Mid Channel, 2145 MHz	47.159	0	Not Provided	47.2	62.15	N/A
High Channel, 2172.5 MHz	46.974	0	Not Provided	47.0	62.15	N/A

64-QAM Modulation

Low Channel, 2117.5 MHz	47.1	0	Not Provided	47.1	62.15	N/A
Mid Channel, 2145 MHz	47.15	0	Not Provided	47.2	62.15	N/A
High Channel, 2172.5 MHz	46.99	0	Not Provided	47.0	62.15	N/A

256-QAM Modulation

Low Channel, 2117.5 MHz	47.073	0	Not Provided	47.1	62.15	N/A
Mid Channel, 2145 MHz	47.128	0	Not Provided	47.1	62.15	N/A
High Channel, 2172.5 MHz	46.961	0	Not Provided	47.0	62.15	N/A

20 MHz Bandwidth

QPSK Modulation

Low Channel, 2120 MHz	46.971	0	Not Provided	47.0	62.15	N/A
Mid Channel, 2145 MHz	47.394	0	Not Provided	47.4	62.15	N/A
High Channel, 2170 MHz	47.029	0	Not Provided	47.0	62.15	N/A

16-QAM Modulation

Low Channel, 2120 MHz	46.931	0	Not Provided	46.9	62.15	N/A
Mid Channel, 2145 MHz	47.117	0	Not Provided	47.1	62.15	N/A
High Channel, 2170 MHz	46.974	0	Not Provided	47.0	62.15	N/A

64-QAM Modulation

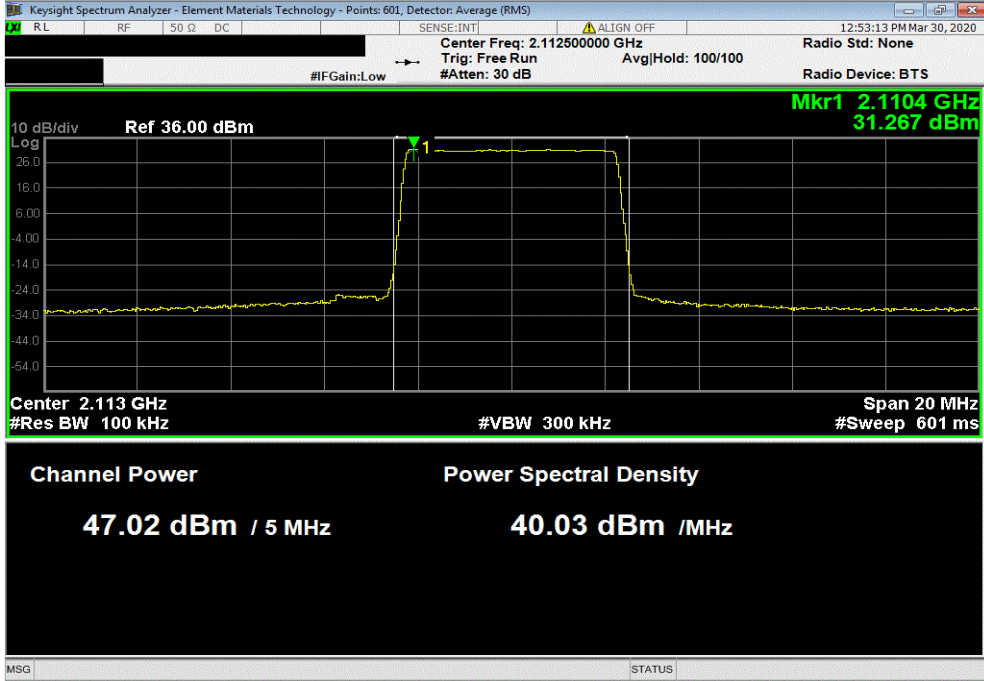
Low Channel, 2120 MHz	46.927	0	Not Provided	46.9	62.15	N/A
Mid Channel, 2145 MHz	47.127	0	Not Provided	47.1	62.15	N/A
High Channel, 2170 MHz	46.932	0	Not Provided	46.9	62.15	N/A

256-QAM Modulation

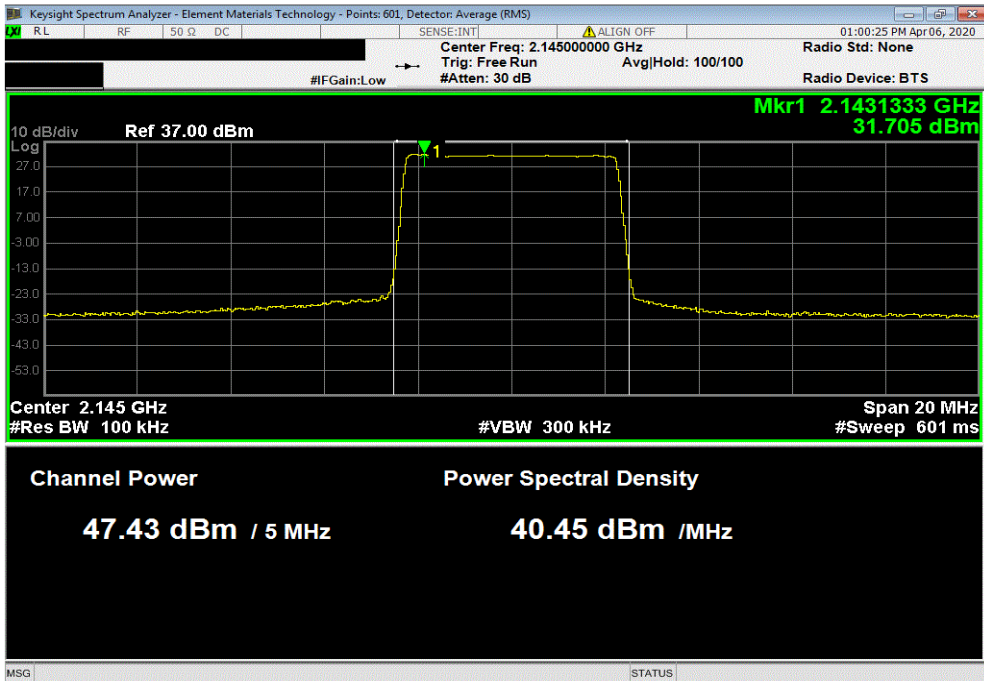
Low Channel, 2120 MHz	46.855	0	Not Provided	46.9	62.15	N/A
Mid Channel, 2145 MHz	47.069	0	Not Provided	47.1	62.15	N/A
High Channel, 2170 MHz	46.897	0	Not Provided	46.9	62.15	N/A

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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, QPSK Modulation , Low Channel, 2112.5 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	
47.015	0	Not Provided	47.02	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, QPSK Modulation , Mid Channel, 2145 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	
47.435	0	Not Provided	47.44	62.15	N/A	

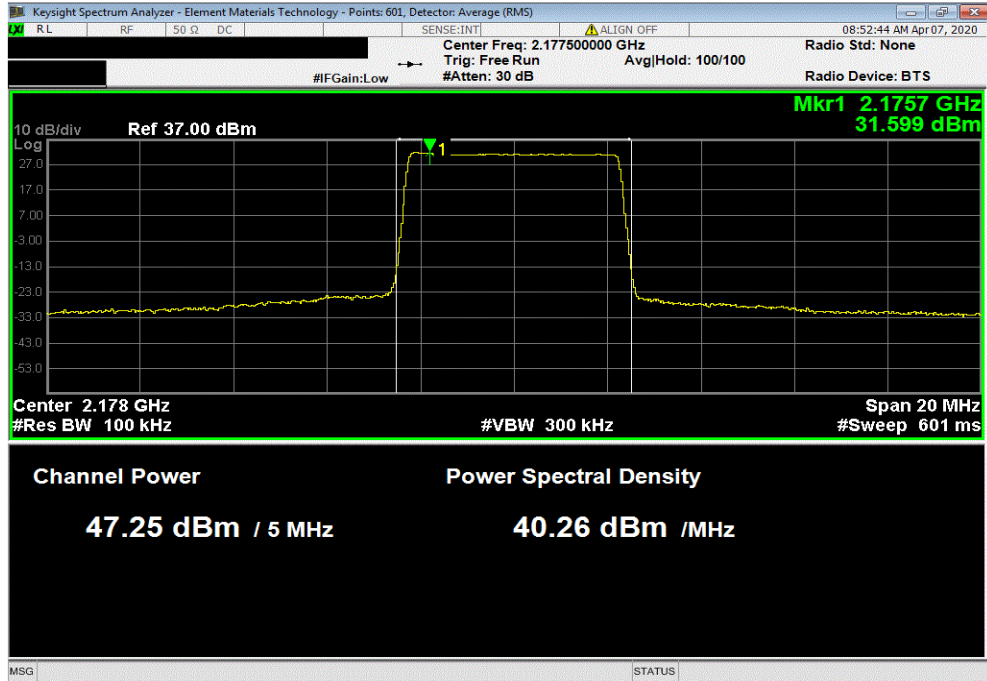


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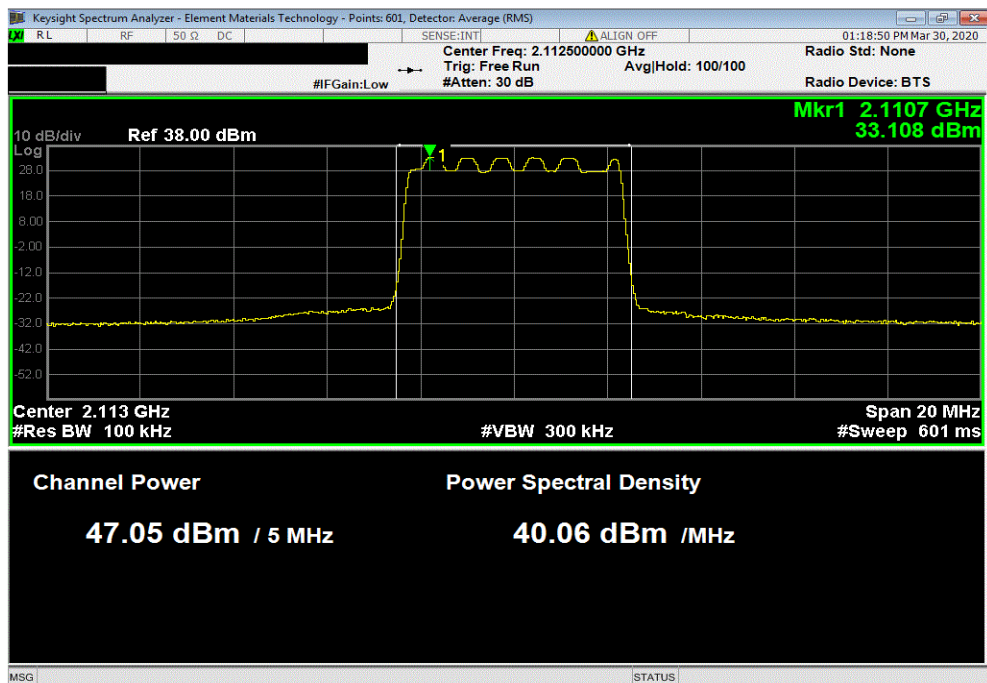


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, QPSK Modulation, High Channel, 2177.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.253	0	Not Provided	47.25	62.15	N/A	

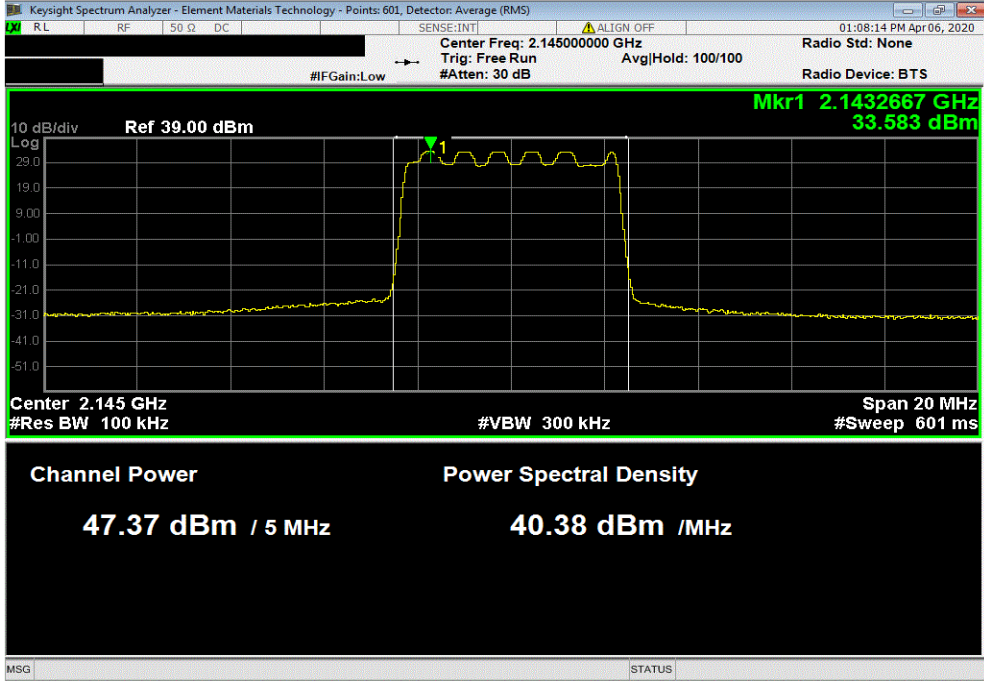


Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 2112.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.046	0	Not Provided	47.05	62.15	N/A	

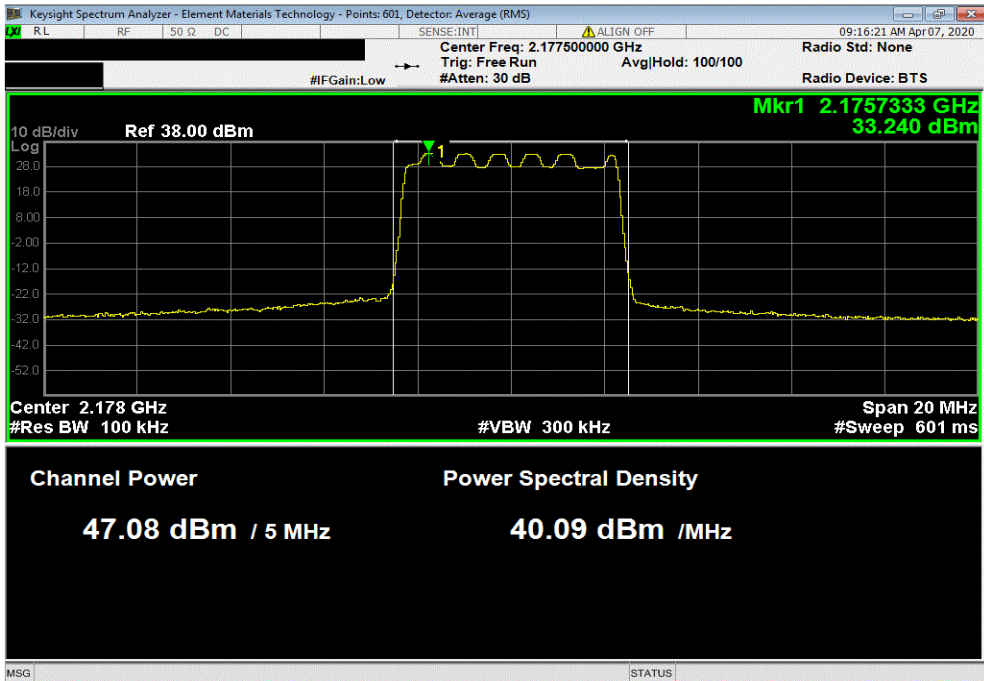


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.37	0	Not Provided	47.37	62.15	N/A	

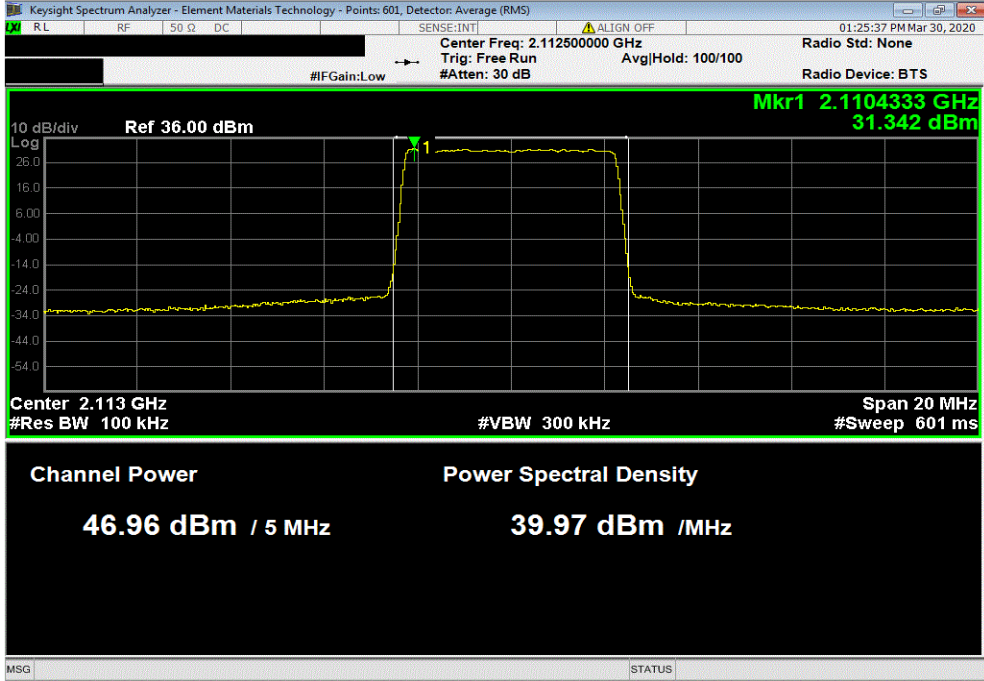


Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 2177.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.076	0	Not Provided	47.08	62.15	N/A	

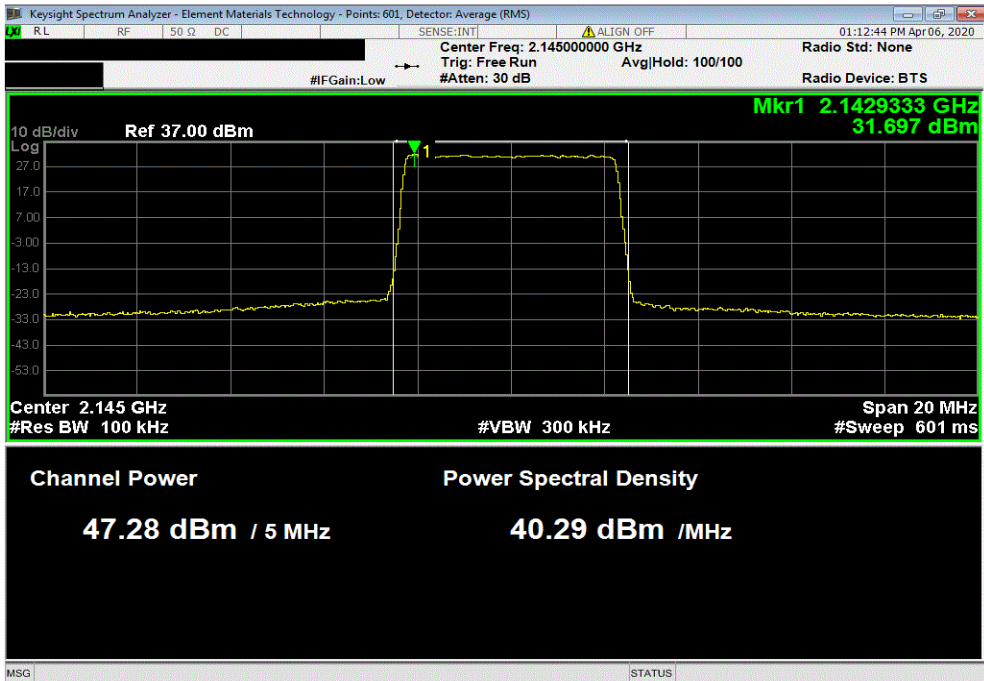


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 2112.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.96	0	Not Provided	46.96	62.15	N/A	

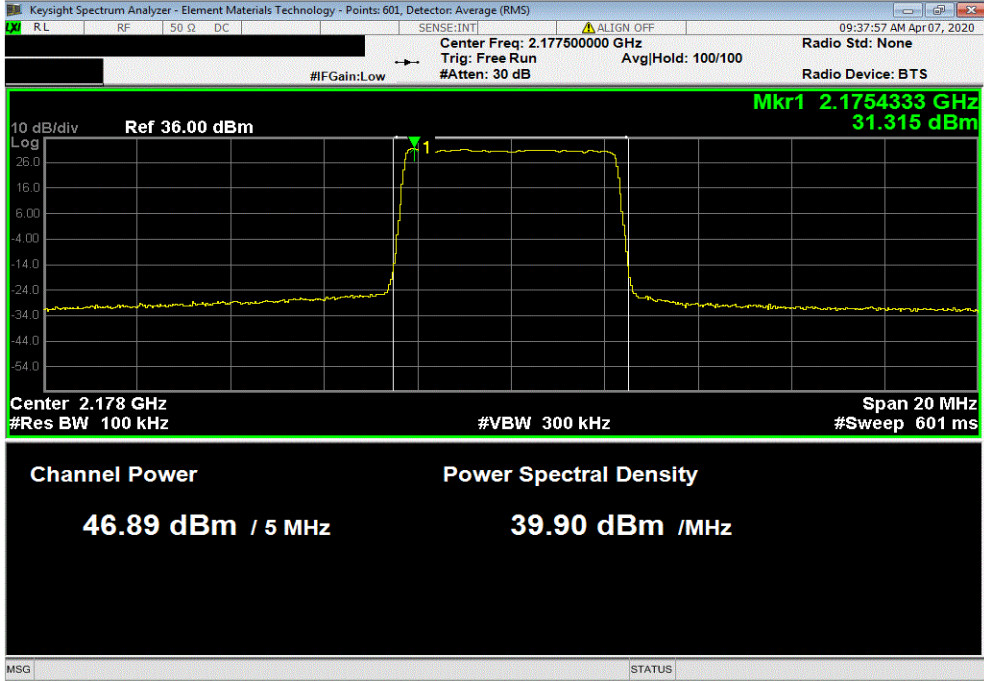


Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBi)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.278	0	Not Provided	47.28	62.15	N/A	

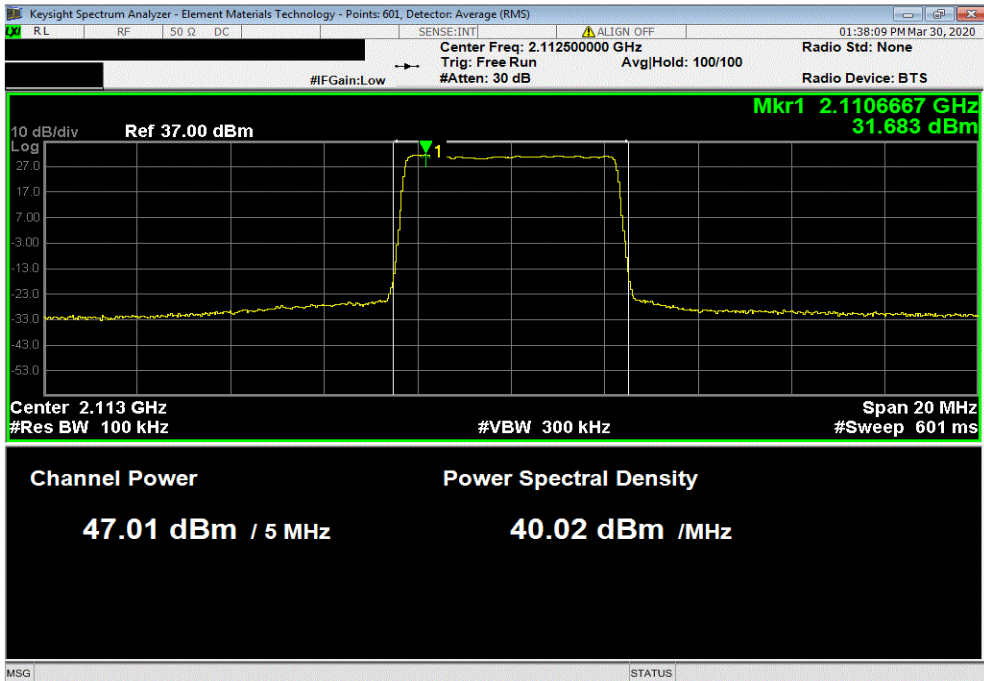


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 2177.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.891	0	Not Provided	46.89	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2112.5 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	
47.01	0	Not Provided	47.01	62.15	N/A	

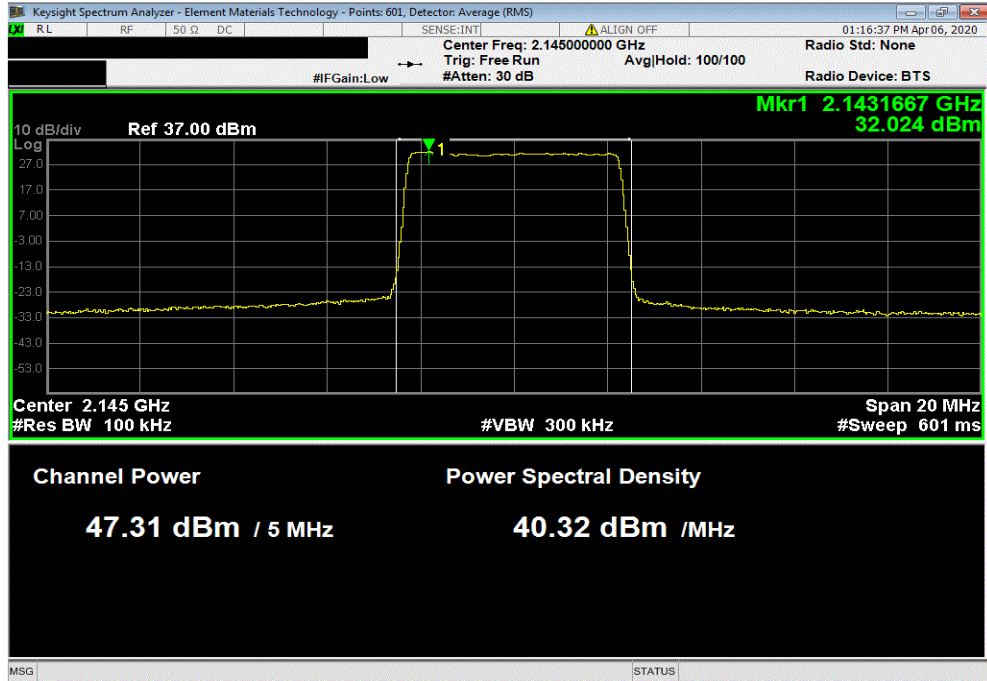


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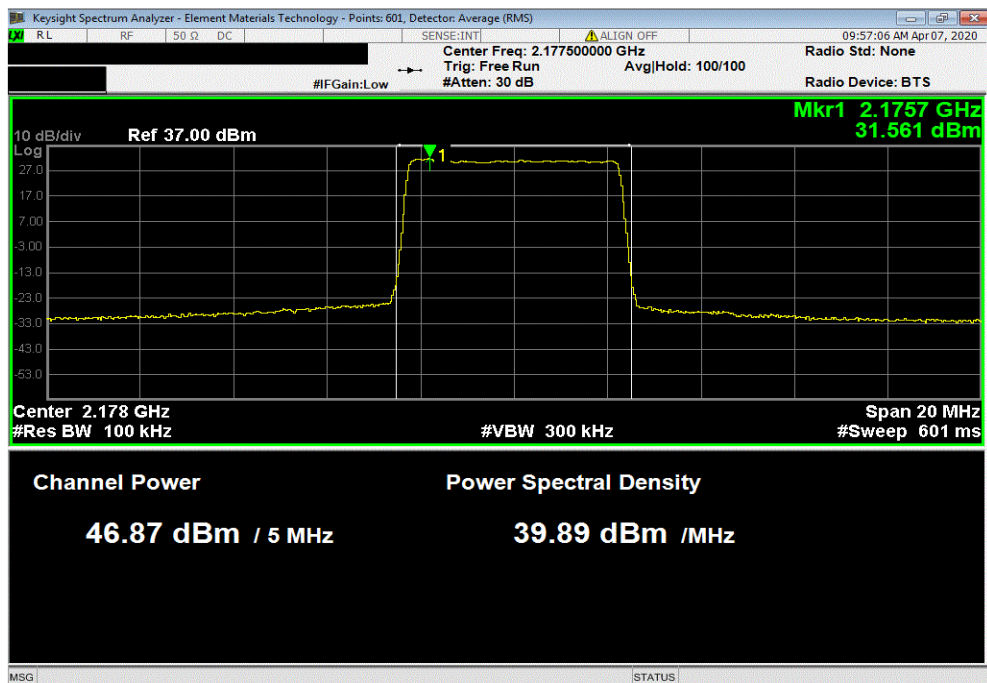


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.309	0	Not Provided	47.31	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 2177.5 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	
46.875	0	Not Provided	46.88	62.15	N/A	

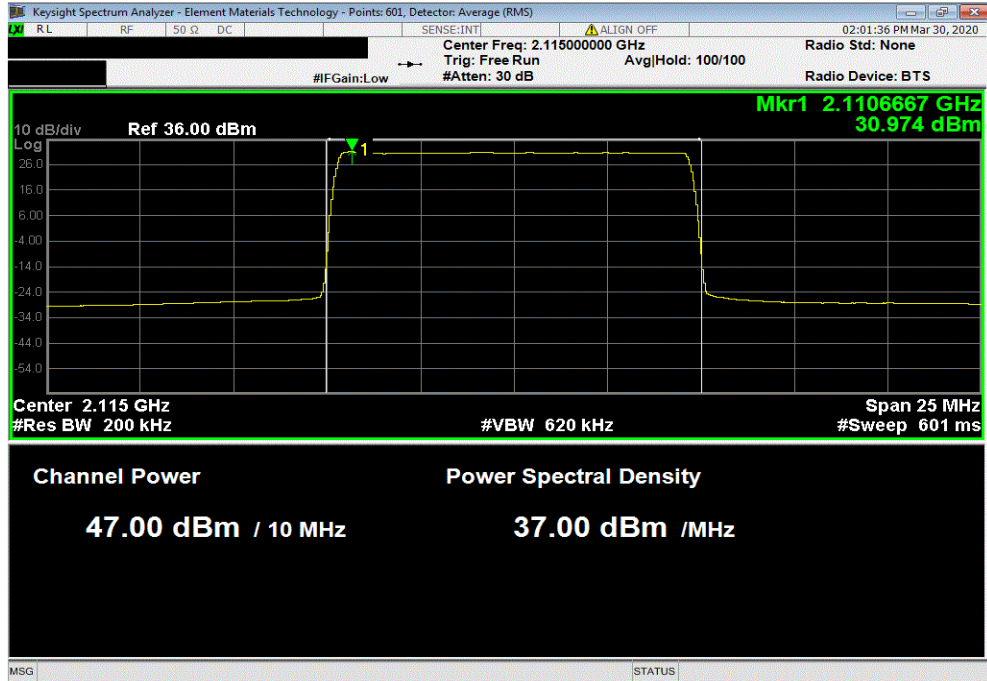


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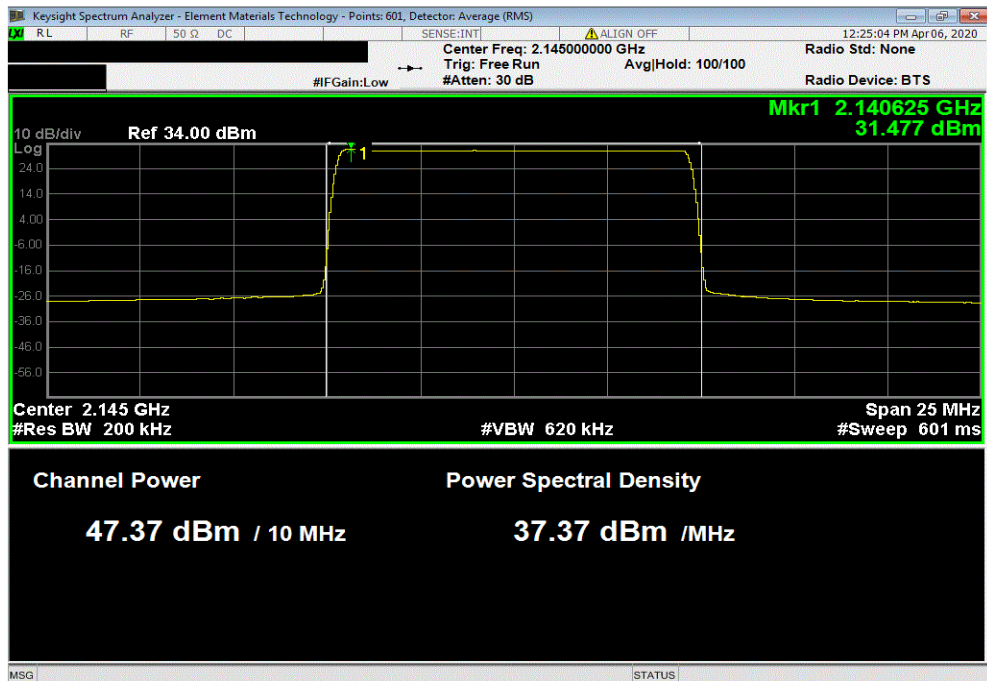


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 2115.0 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.003	0	Not Provided	47.00	62.15	N/A	

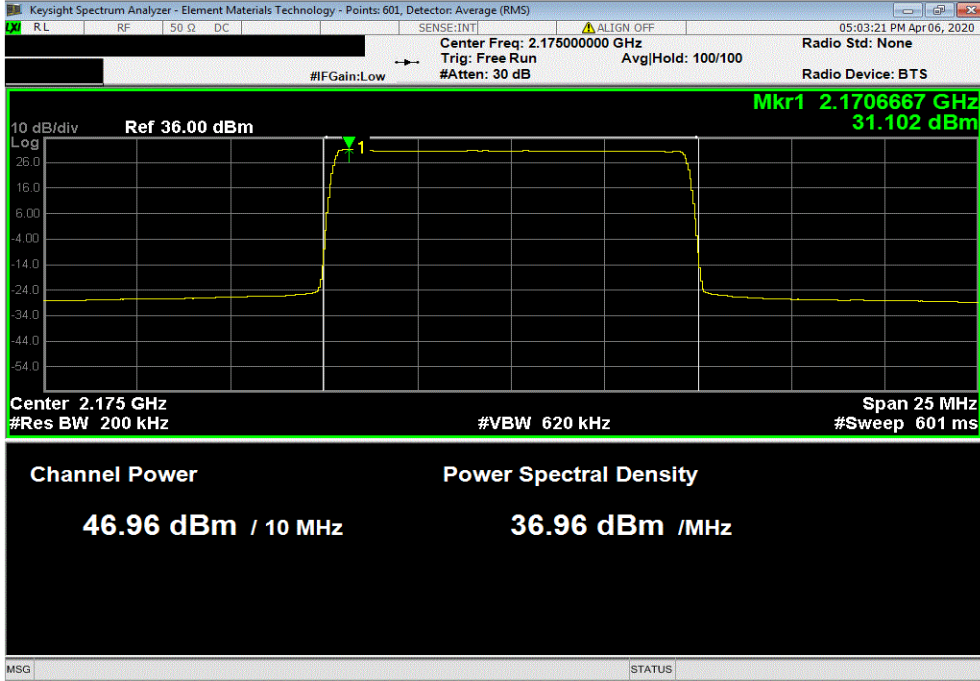


Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, QPSK Modulation, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.374	0	Not Provided	47.37	62.15	N/A	

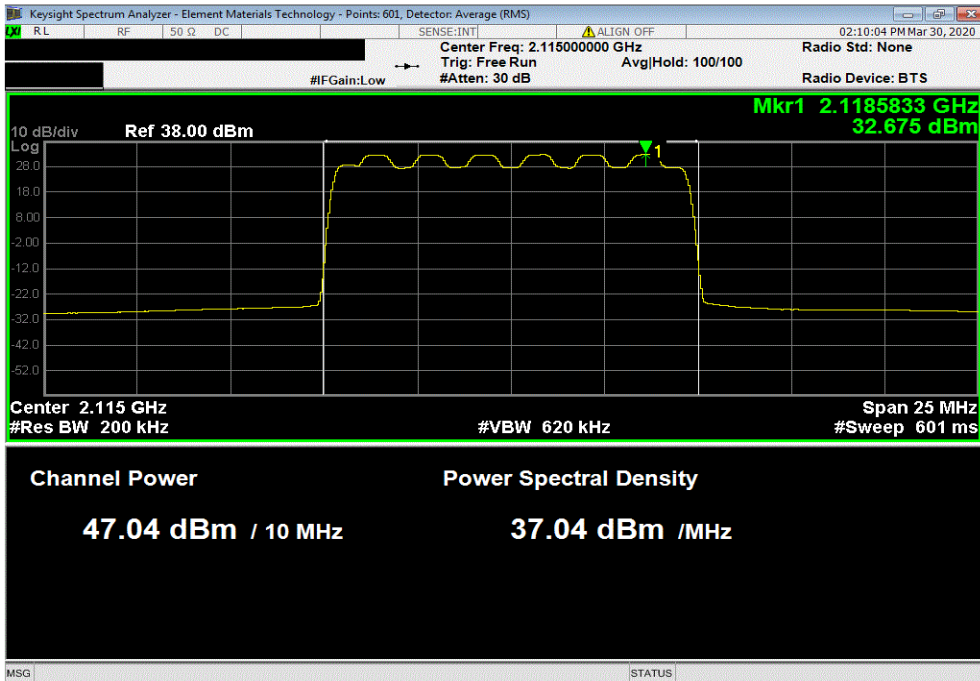


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, QPSK Modulation, High Channel, 2175 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.957	0	Not Provided	46.96	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 2115.0 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	
47.042	0	Not Provided	47.04	62.15	N/A	

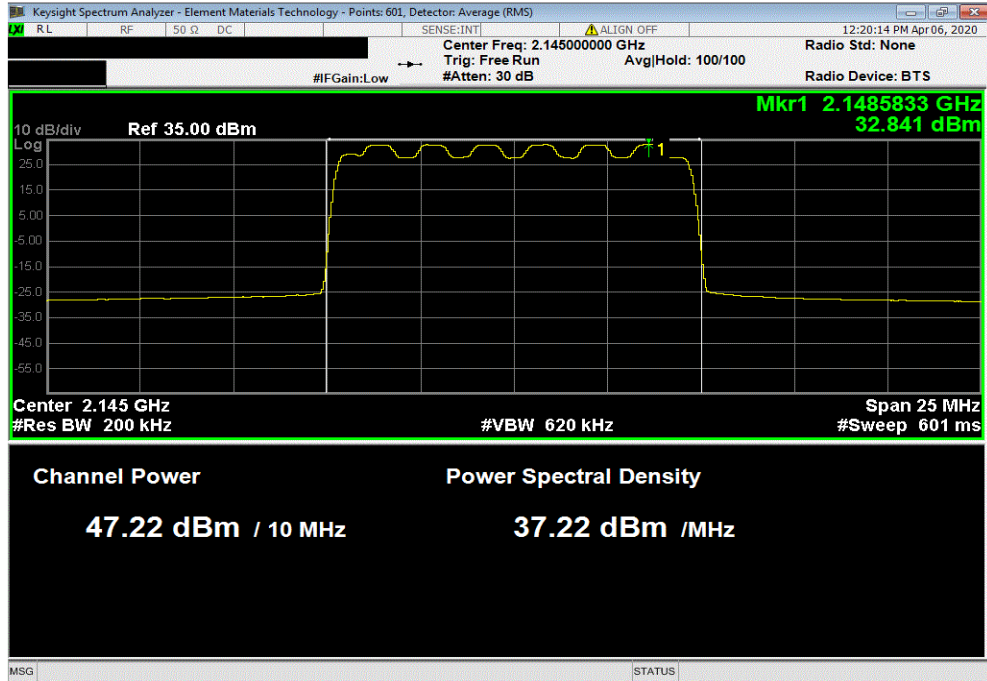


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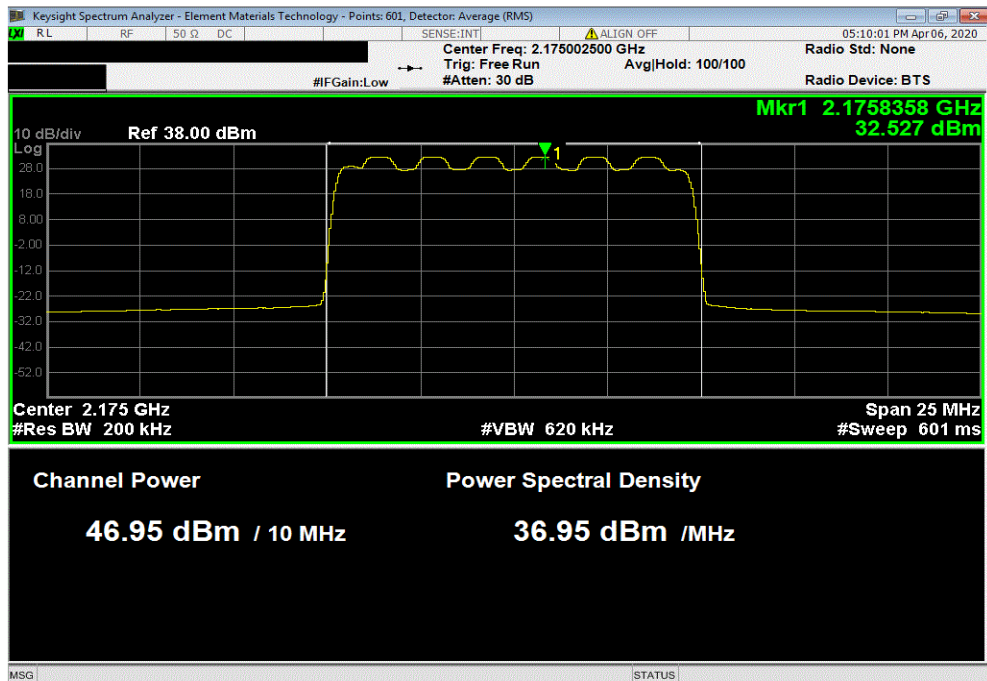


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.217	0	Not Provided	47.22	62.15	N/A	

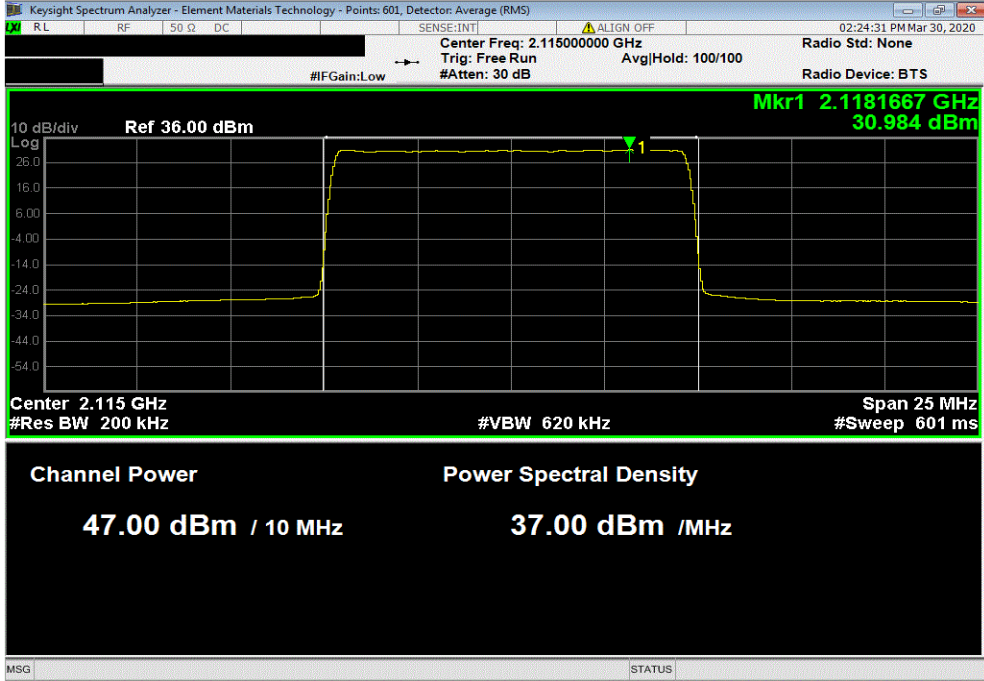


Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 2175 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.947	0	Not Provided	46.95	62.15	N/A	

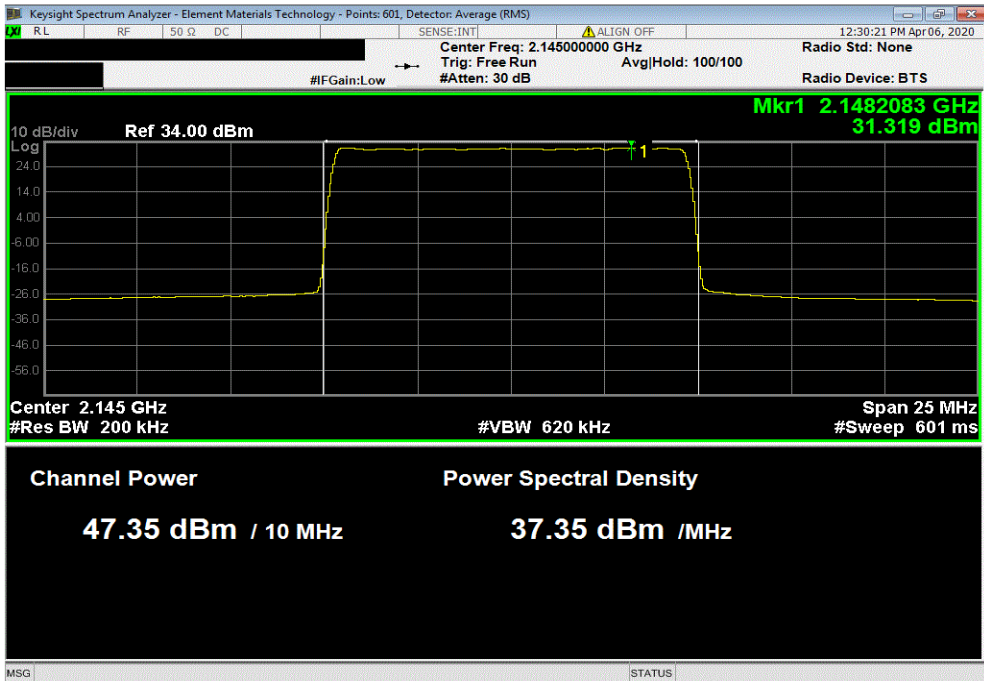


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 2115.0 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.996	0	Not Provided	47.00	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 2145 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	
47.348	0	Not Provided	47.35	62.15	N/A	

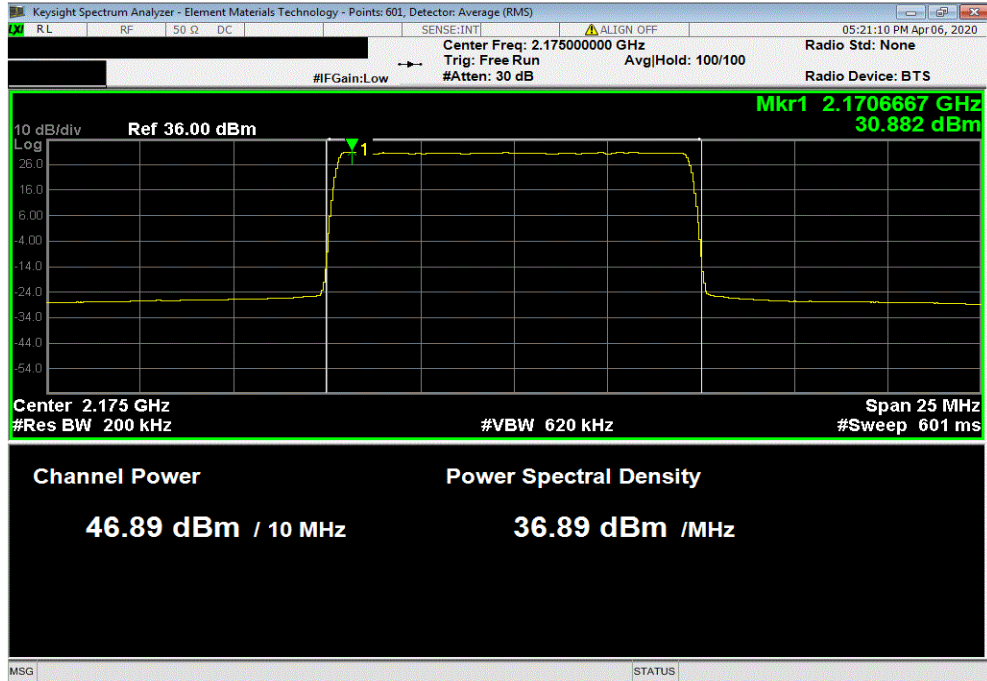


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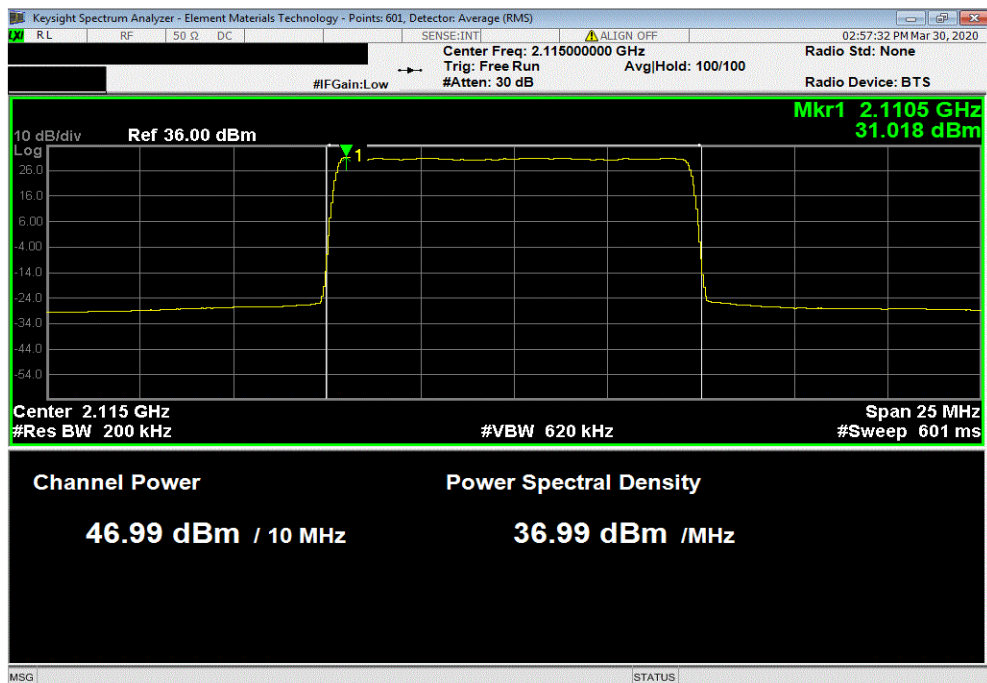


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 2175 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
46.893	0	Not Provided	46.89	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2115.0 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	
46.985	0	Not Provided	46.99	62.15	N/A	

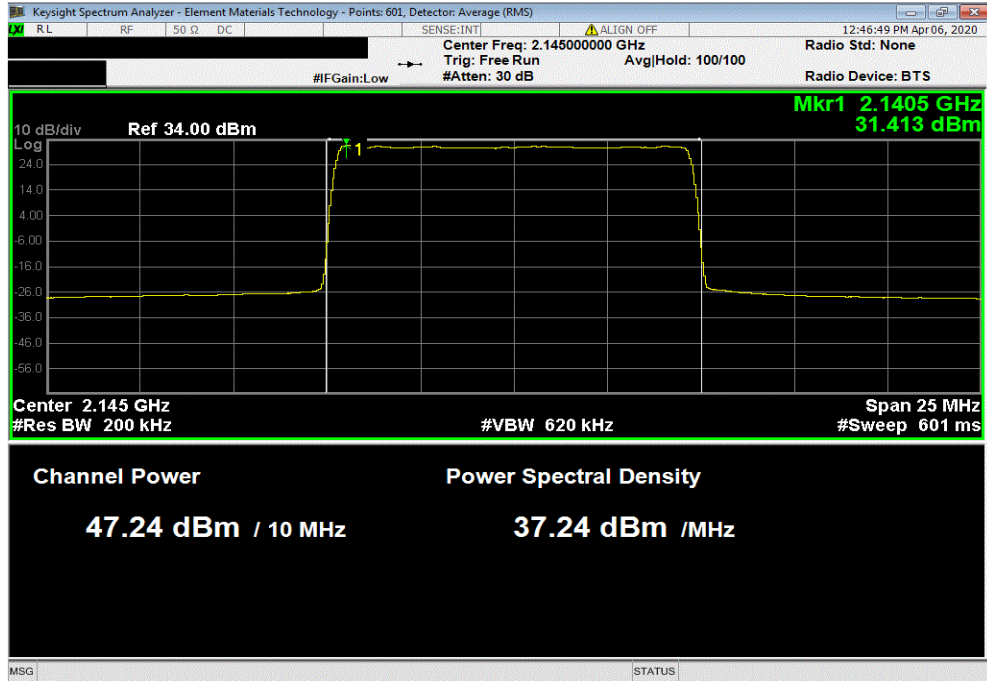


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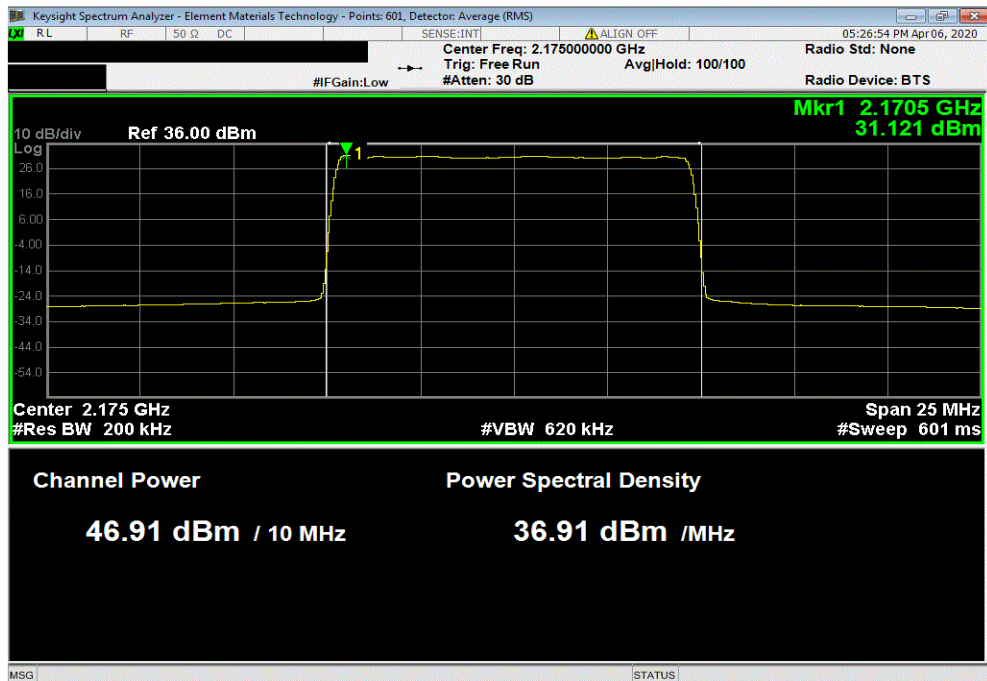


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2145 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.243	0	Not Provided	47.24	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 2175 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	
46.908	0	Not Provided	46.91	62.15	N/A	

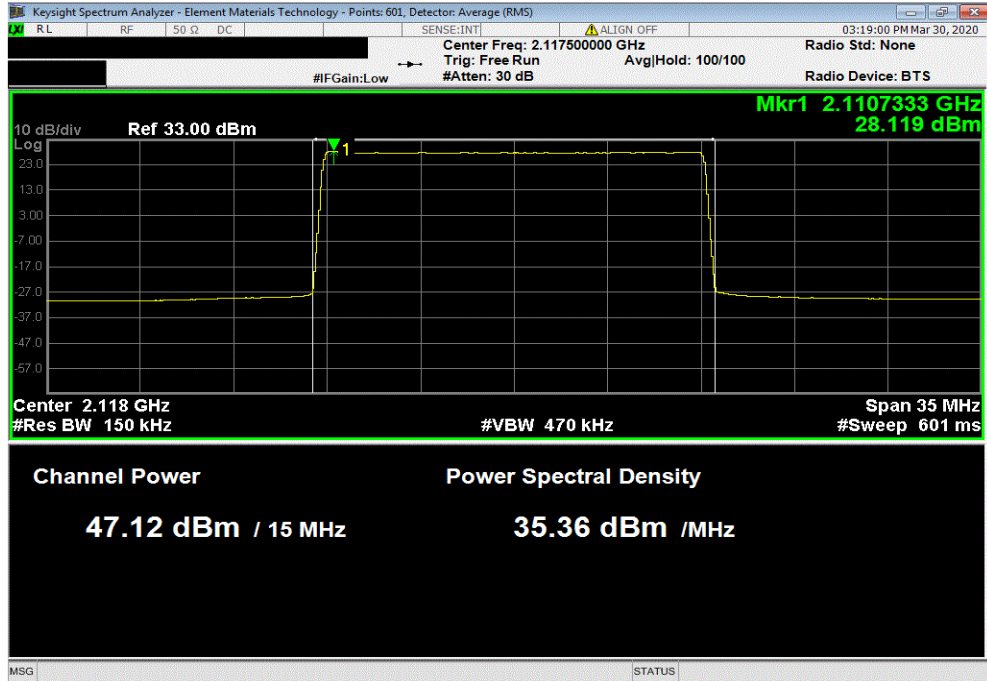


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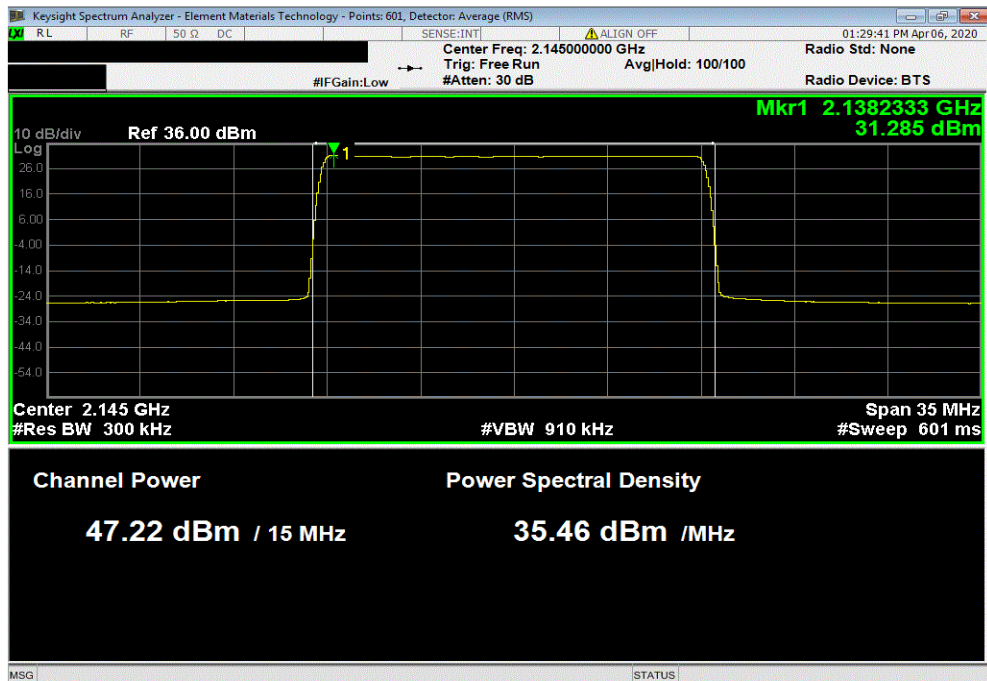


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Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, QPSK Modulation , Low Channel, 2117.5 MHz						
Initial Power (dBm/OBW)	Duty Cycle Factor (dB)	Antenna Gain (dBd)+2.15=(dBi)	Final w/o Ant Gain Value (dBm/OBW)	EIRP Limit (dBm/OBW)	Results	
47.121	0	Not Provided	47.12	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, QPSK Modulation , Mid Channel, 2145 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	
47.223	0	Not Provided	47.22	62.15	N/A	

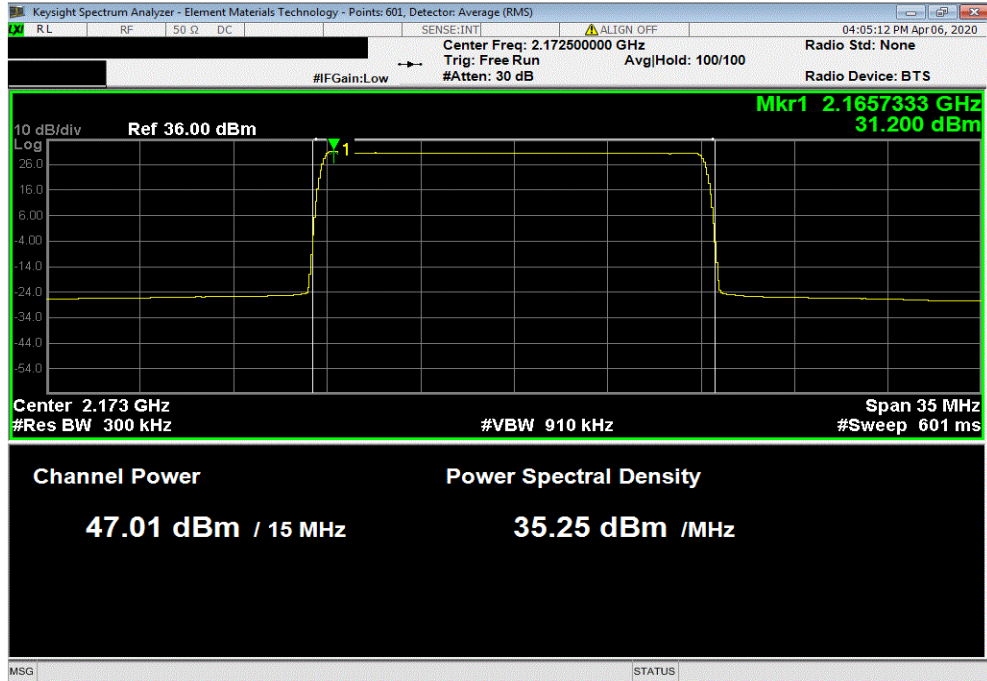


CONDUCTED OUTPUT POWER BAND 66a

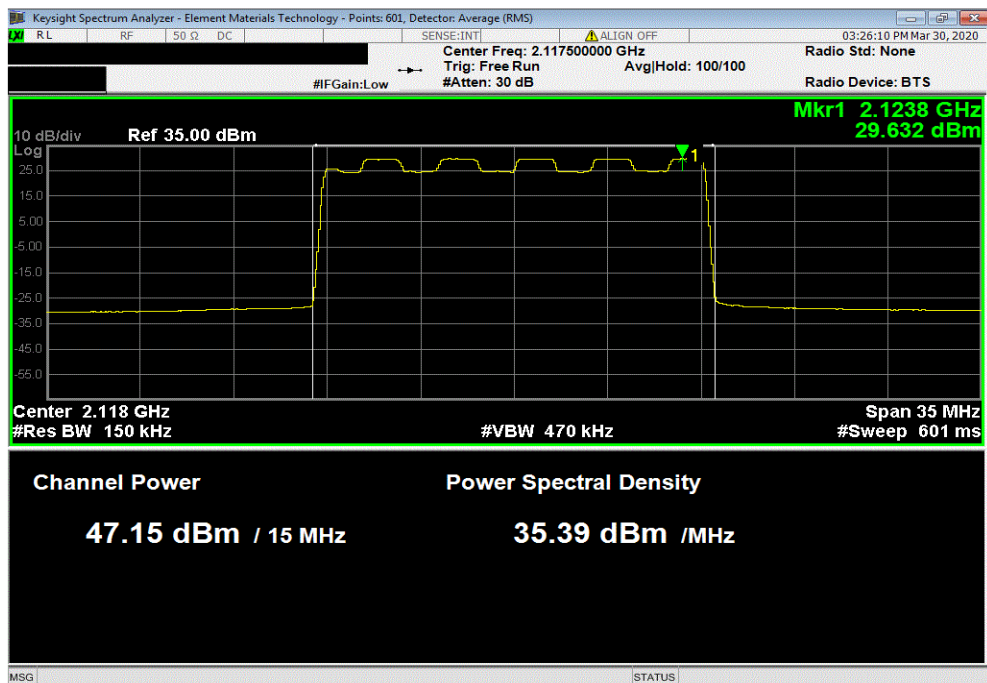


TSTv19 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, QPSK Modulation, High Channel, 2172.5 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	
47.006	0	Not Provided	47.01	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 16-QAM Modulation, Low Channel, 2117.5 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	
47.148	0	Not Provided	47.15	62.15	N/A	

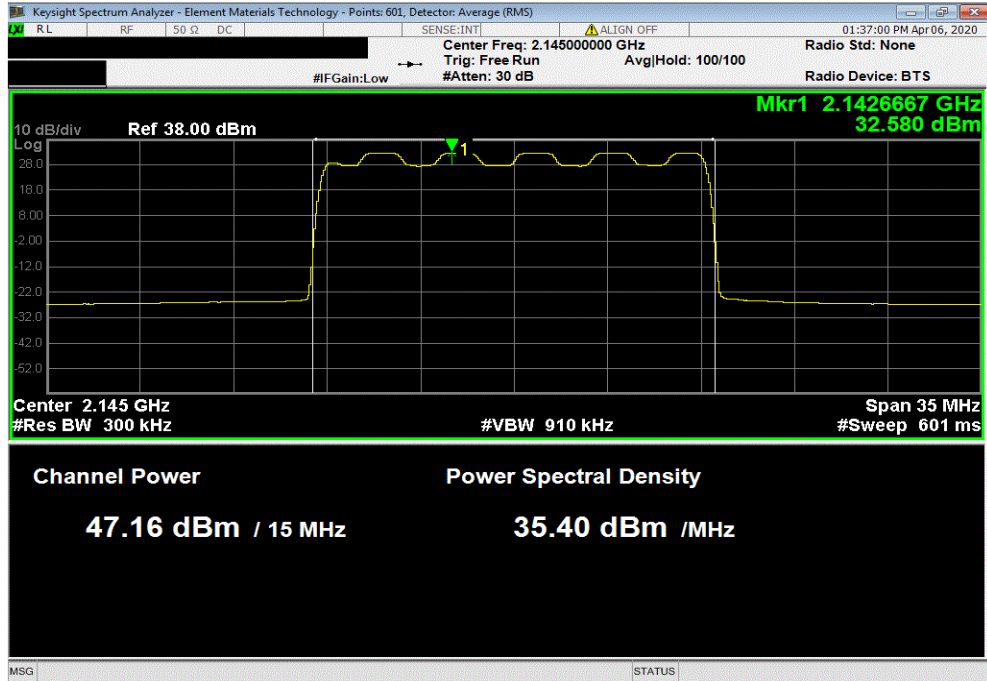


CONDUCTED OUTPUT POWER BAND 66a

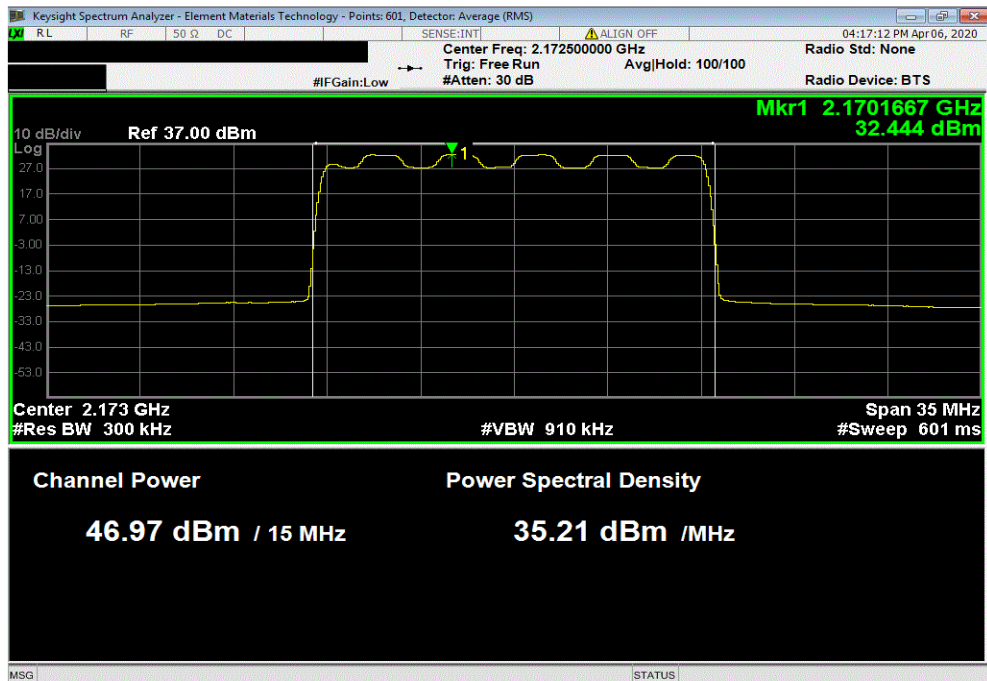


TSTx 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 2145 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	
47.159	0	Not Provided	47.16	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 16-QAM Modulation, High Channel, 2172.5 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	
46.974	0	Not Provided	46.97	62.15	N/A	

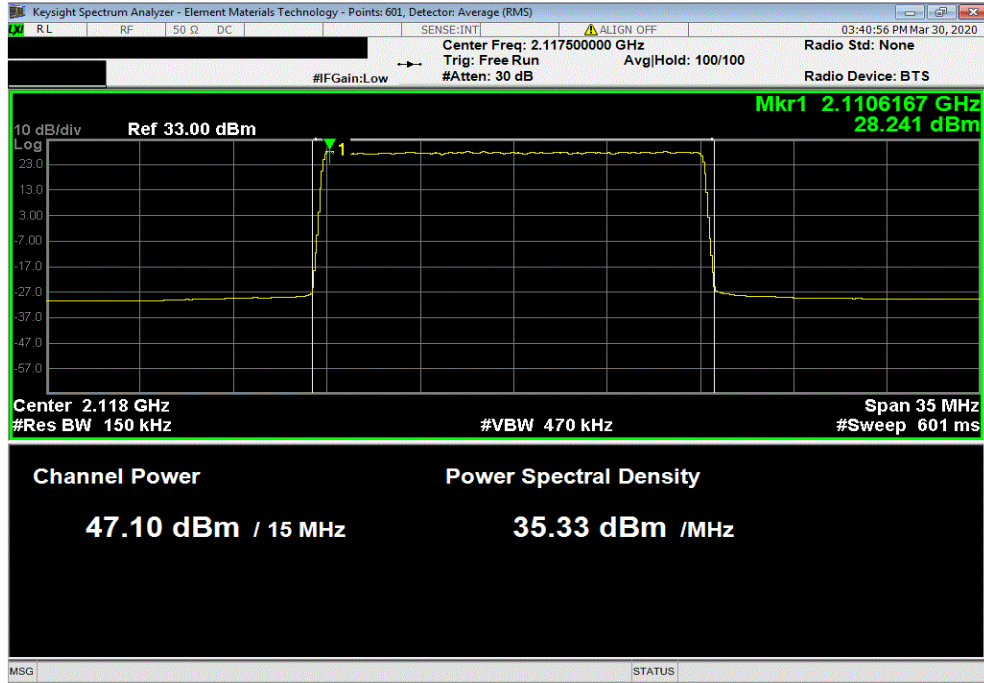


CONDUCTED OUTPUT POWER BAND 66a

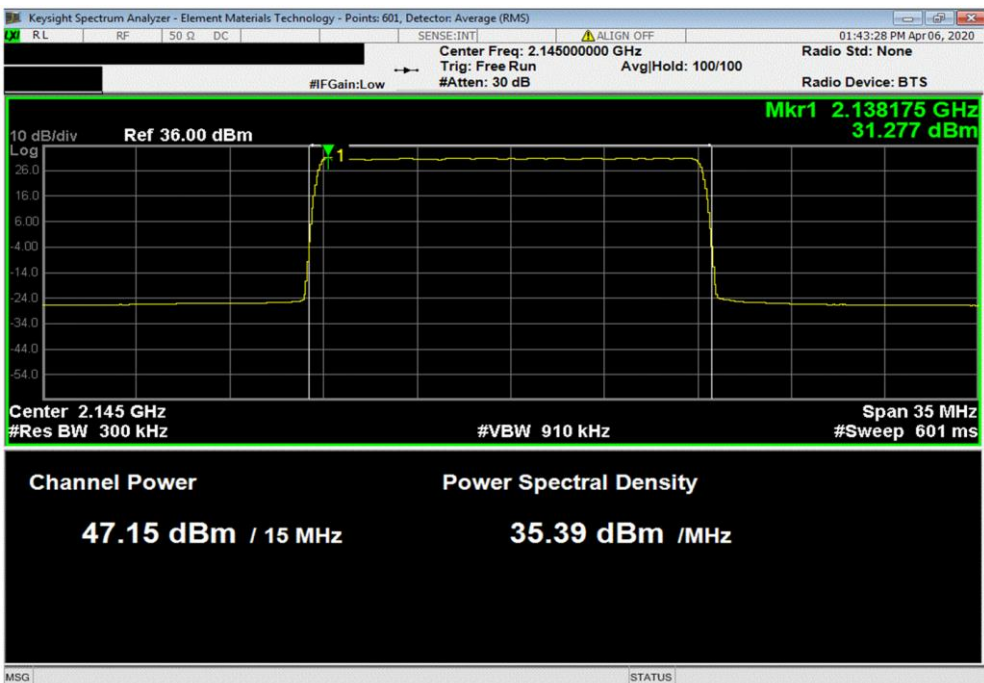


TSTx 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 64-QAM Modulation, Low Channel, 2117.5 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	
47.1	0	Not Provided	47.10	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 2145 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	
47.15	0	Not Provided	47.15	62.15	N/A	

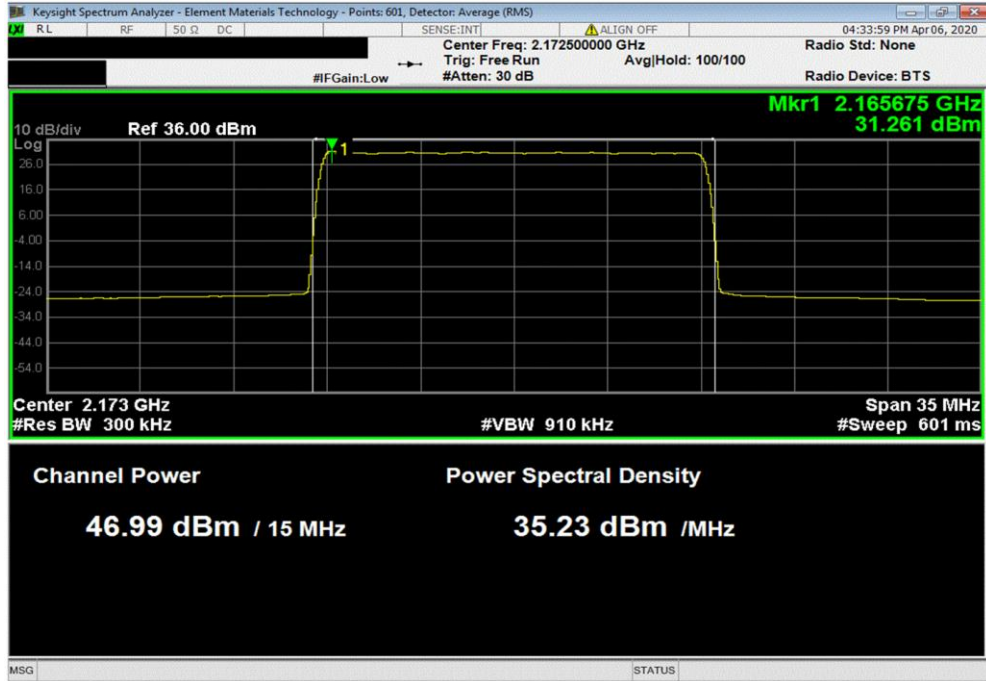


CONDUCTED OUTPUT POWER BAND 66a

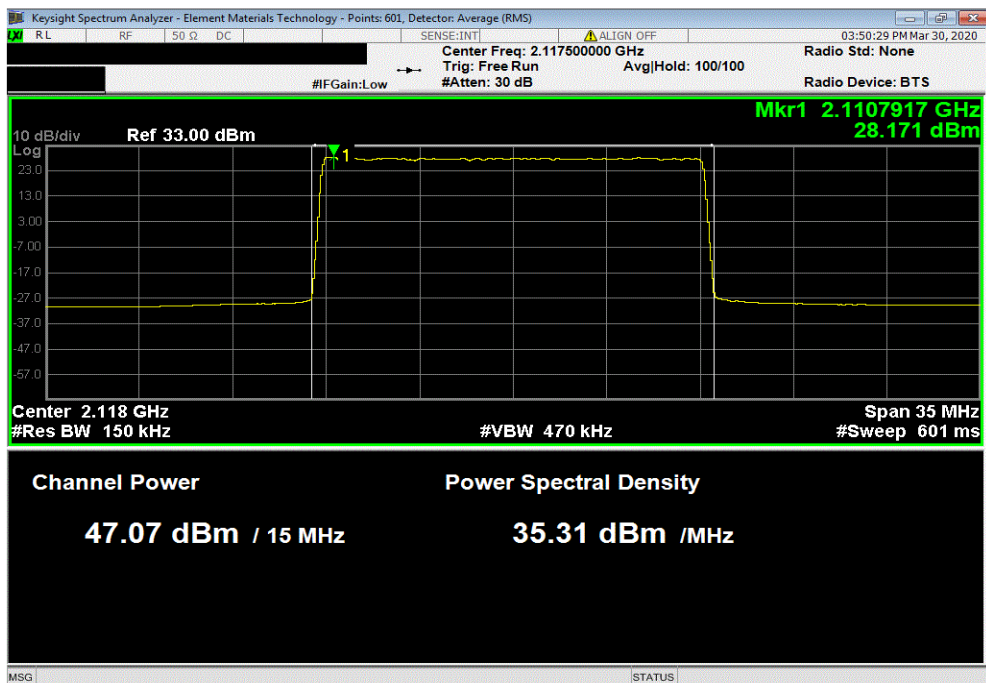


TSTx 2019.08.30.0 XMI 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 64-QAM Modulation, High Channel, 2172.5 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	
46.99	0	Not Provided	46.99	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2117.5 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	
47.073	0	Not Provided	47.07	62.15	N/A	

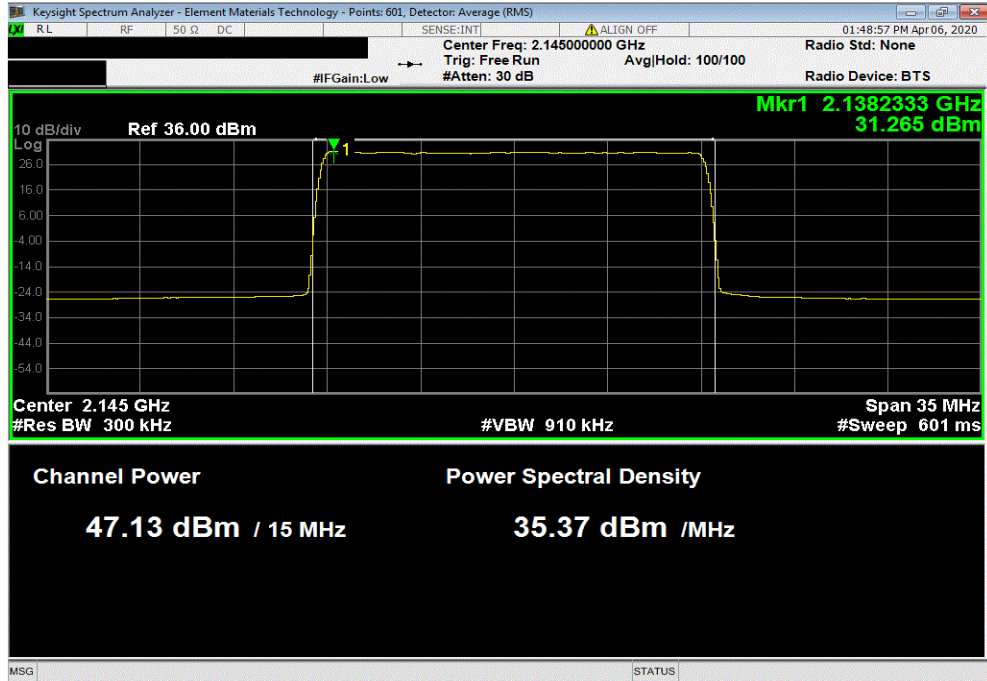


CONDUCTED OUTPUT POWER BAND 66a

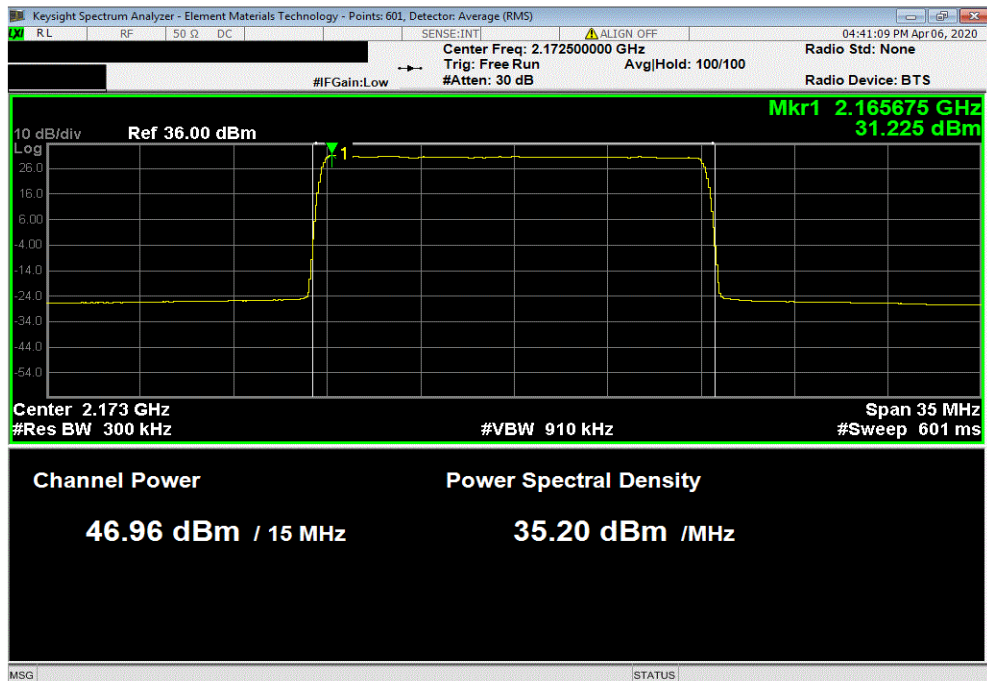


TestX 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2145 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	
47.128	0	Not Provided	47.13	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 15 MHz Bandwidth, 256-QAM Modulation, High Channel, 2172.5 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	
46.961	0	Not Provided	46.96	62.15	N/A	

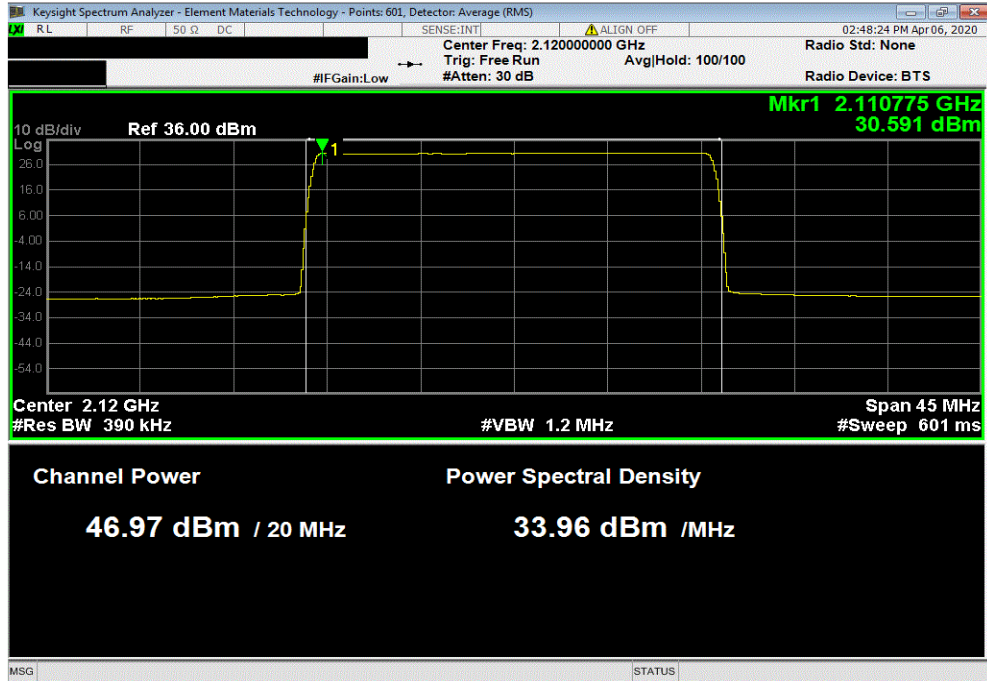


CONDUCTED OUTPUT POWER BAND 66a

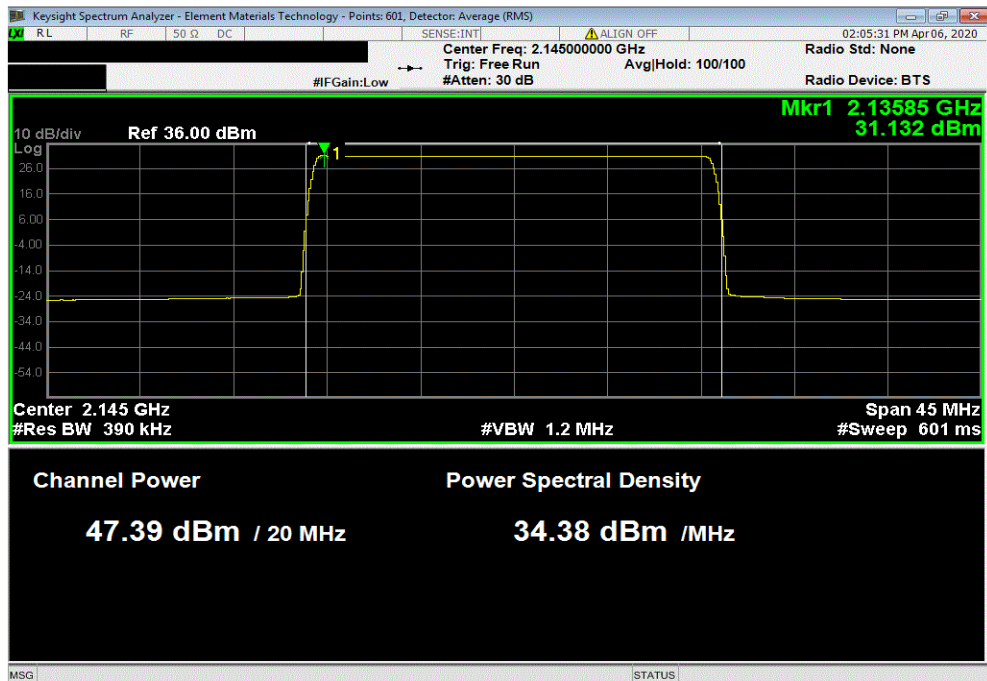


TSTx 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, QPSK Modulation , Low Channel, 2120 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	
46.971	0	Not Provided	46.97	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, QPSK Modulation , Mid Channel, 2145 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	
47.394	0	Not Provided	47.39	62.15	N/A	

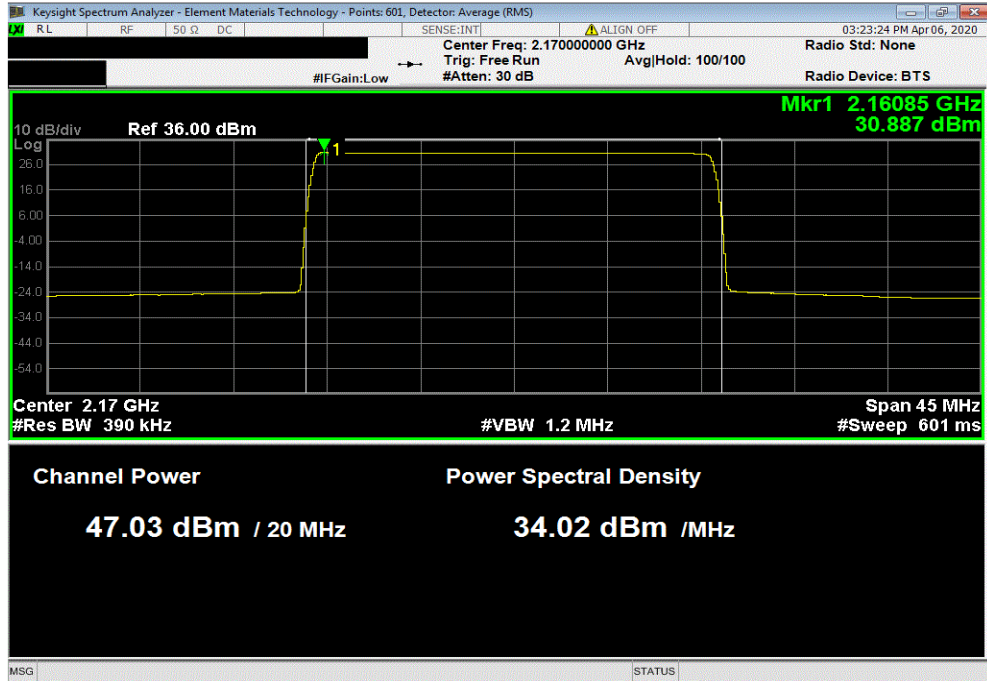


CONDUCTED OUTPUT POWER BAND 66a

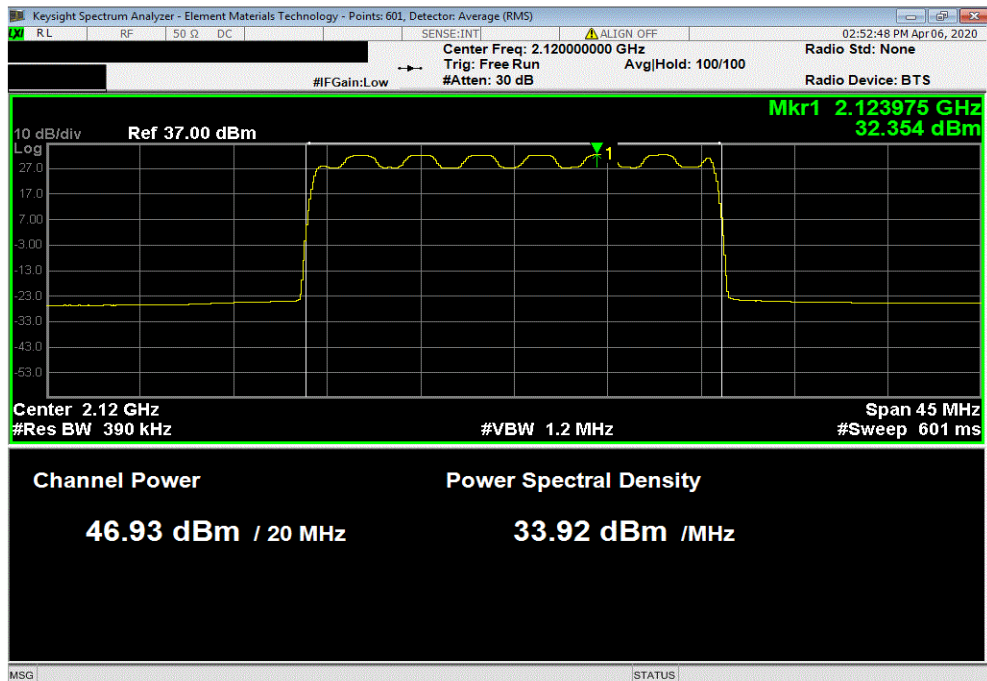


TSTx 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, QPSK Modulation, High Channel, 2170 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	
47.029	0	Not Provided	47.03	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 16-QAM Modulation, Low Channel, 2120 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	
46.931	0	Not Provided	46.93	62.15	N/A	

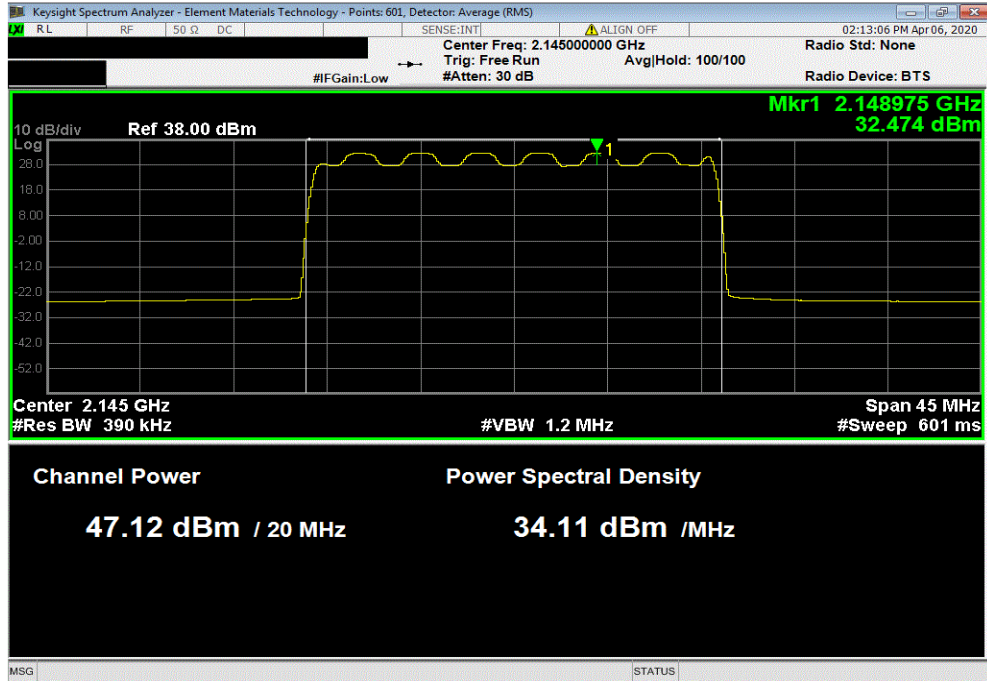


CONDUCTED OUTPUT POWER BAND 66a

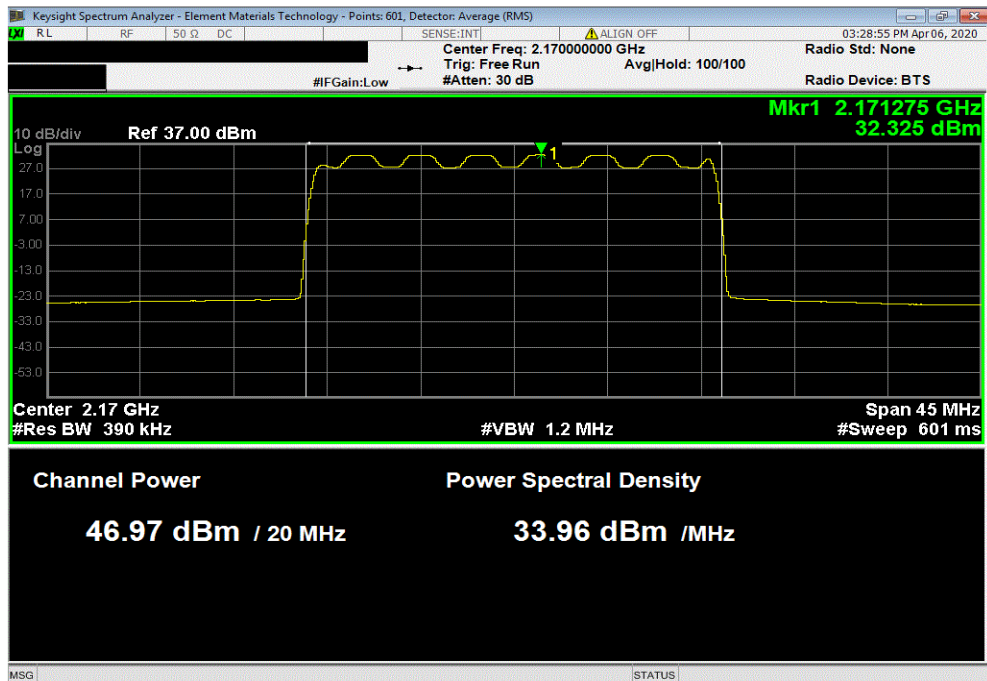


TSTx 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 2145 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	
47.117	0	Not Provided	47.12	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 16-QAM Modulation, High Channel, 2170 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	
46.974	0	Not Provided	46.97	62.15	N/A	

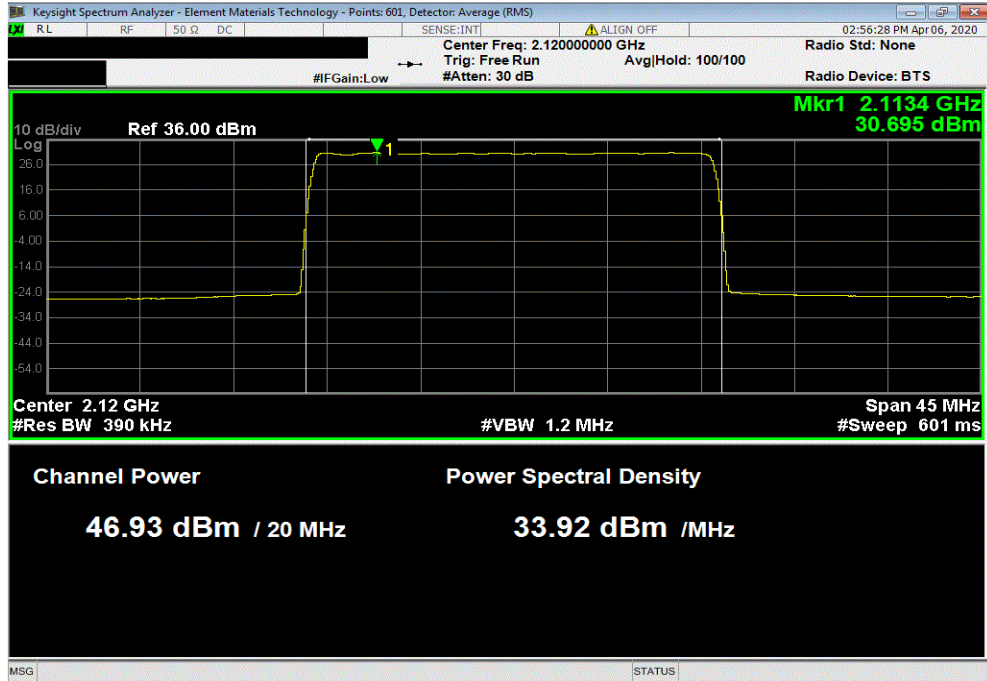


CONDUCTED OUTPUT POWER BAND 66a

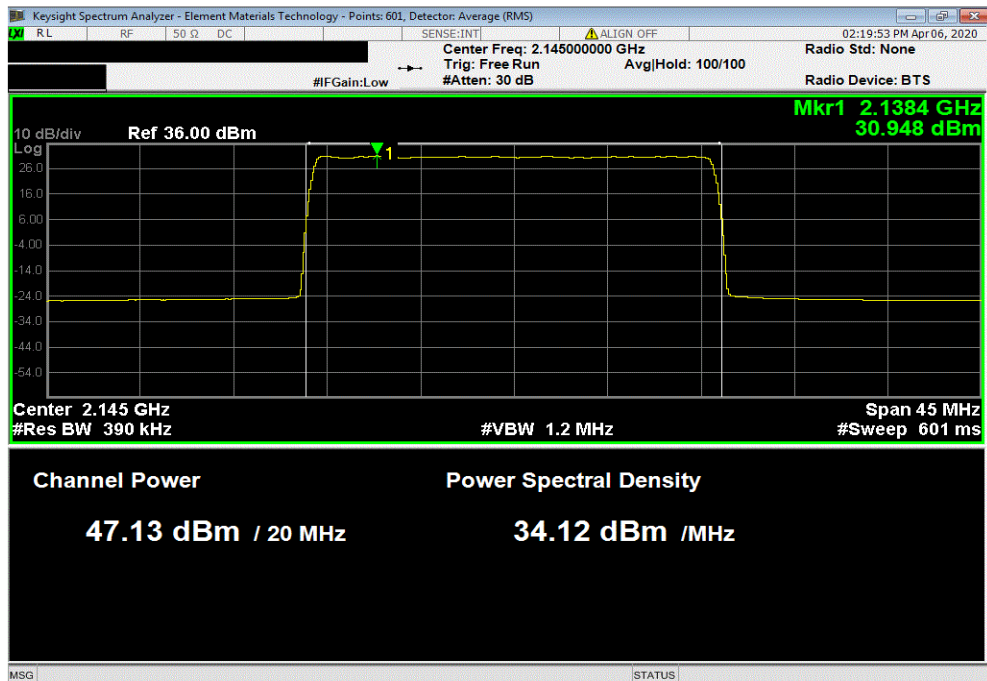


TestX 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 64-QAM Modulation, Low Channel, 2120 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	
46.927	0	Not Provided	46.93	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 2145 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	
47.127	0	Not Provided	47.13	62.15	N/A	

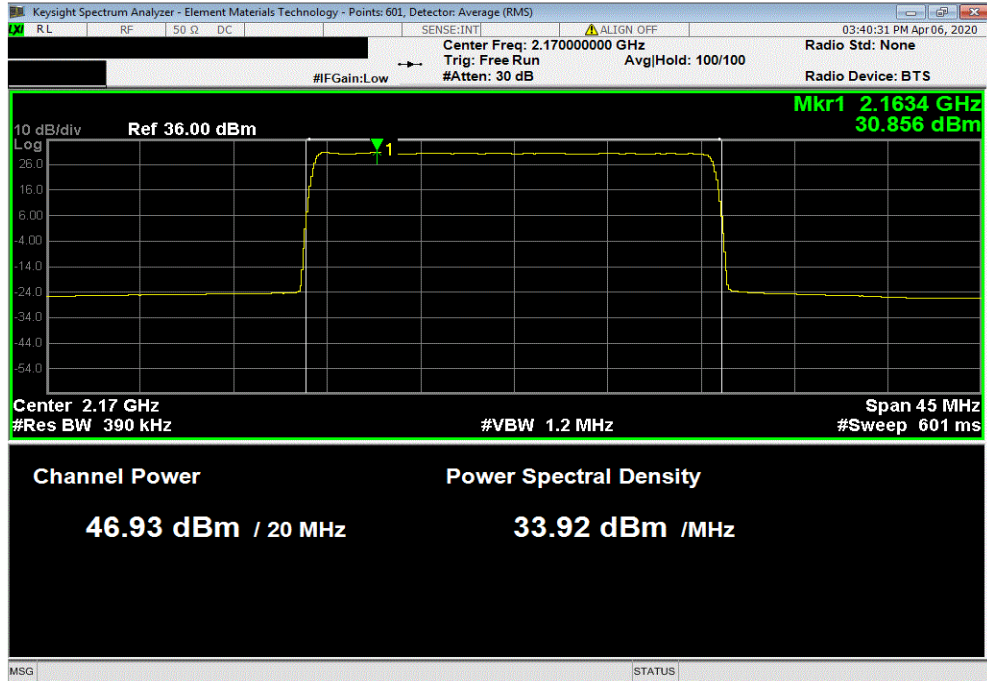


CONDUCTED OUTPUT POWER BAND 66a

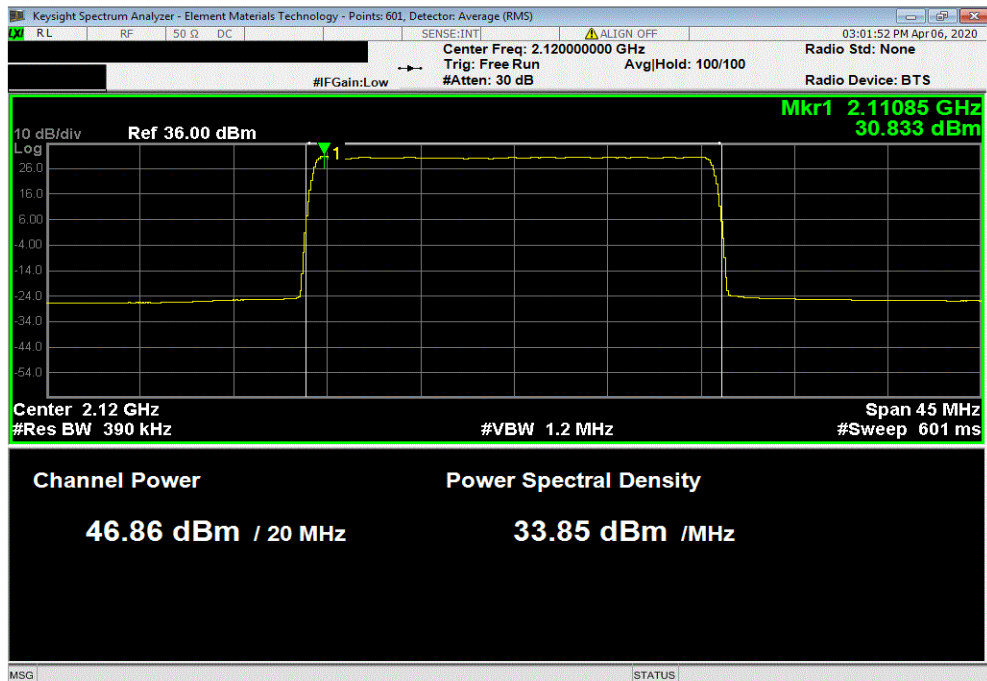


TSTx 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 64-QAM Modulation, High Channel, 2170 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	
46.932	0	Not Provided	46.93	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2120 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	
46.855	0	Not Provided	46.86	62.15	N/A	

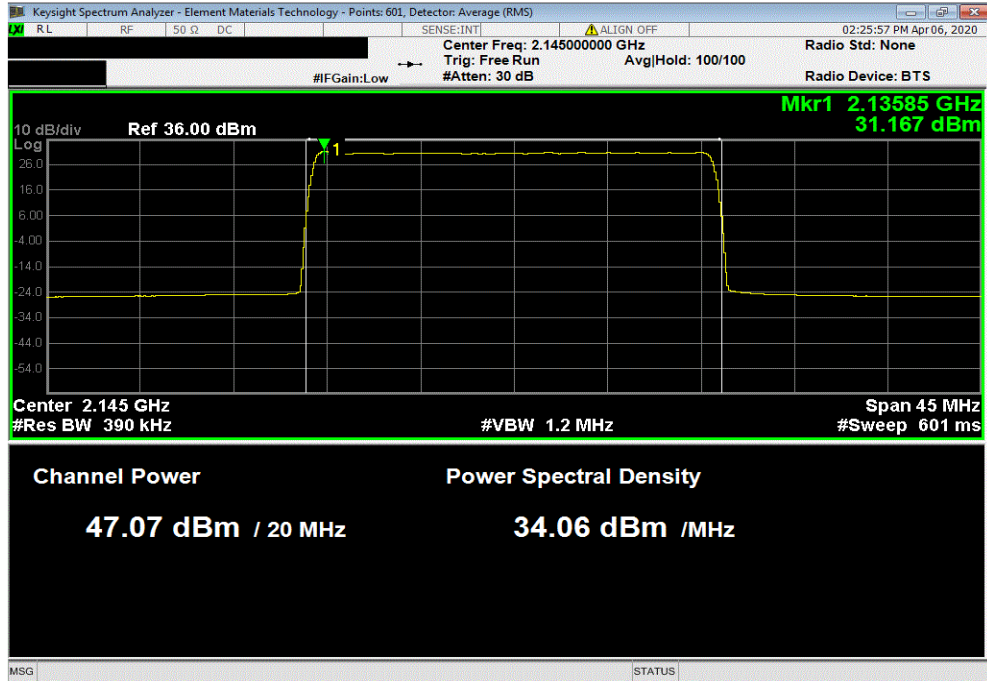


CONDUCTED OUTPUT POWER BAND 66a



TSTx 2019.08.30.0 XMM 2020.03.25.0

Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2145 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	
47.069	0	Not Provided	47.07	62.15	N/A	



Band 66a, 2110 MHz - 2180 MHz, 5G, Port 3, 20 MHz Bandwidth, 256-QAM Modulation, High Channel, 2170 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	
46.897	0	Not Provided	46.90	62.15	N/A	

