

POWER SPECTRAL DENSITY 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, the Equivalent Isotropically Radiated Power (EIRP) of the transceiver cannot exceed 1640 Watts/MHz.

POWER SPECTRAL DENSITY BAND 66a



THM 2019.08.30.0 XMM 2019.08.05

EUT: AHFIA		Work Order: NOKI0008	
Serial Number: K9174623559		Date: 18-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/MHz)	Duty Cycle Factor (dB)
		Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)
		Limit EIRP (dBm/MHz)	Results

Band 66a (Single Carrier) Port 4

QPSK

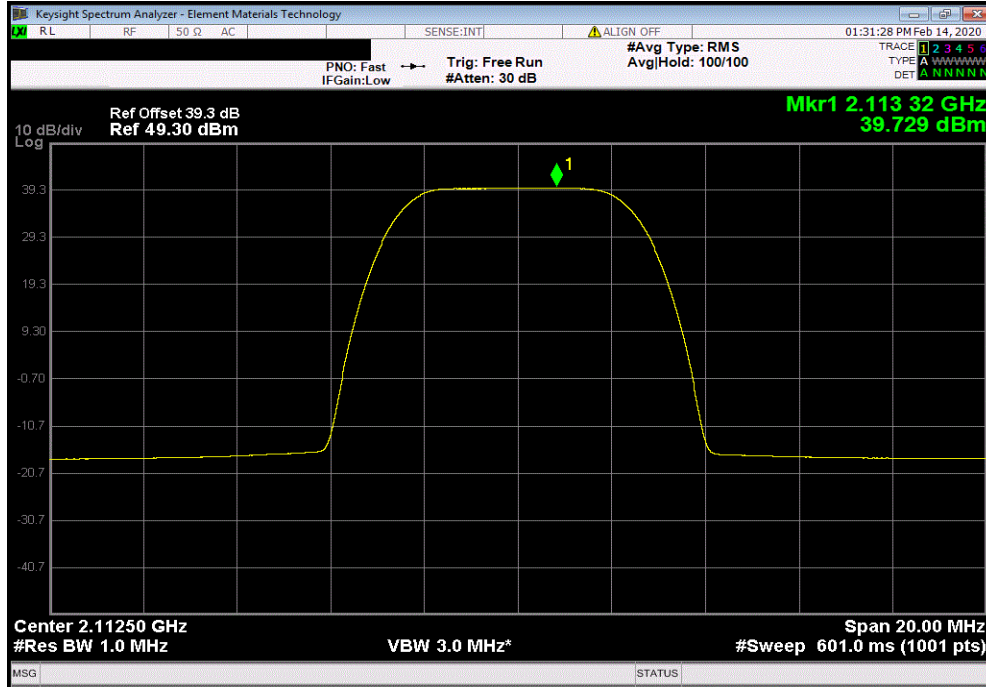
5 MHz							
	Low Channel, 2112.5 MHz	39.729	0	Not Provided	39.7	62	N/A
	Mid Channel, 2145 MHz	39.792	0	Not Provided	39.8	62	N/A
	High Channel, 2177.5 MHz	39.706	0	Not Provided	39.7	62	N/A
10 MHz							
	Low Channel, 2115 MHz	36.635	0	Not Provided	36.6	62	N/A
	Mid Channel, 2145 MHz	36.653	0	Not Provided	36.7	62	N/A
	High Channel, 2175 MHz	36.639	0	Not Provided	36.6	62	N/A
15 MHz							
	Low Channel, 2117.5 MHz	34.876	0	Not Provided	34.9	62	N/A
	Mid Channel, 2145 MHz	34.843	0	Not Provided	34.8	62	N/A
	High Channel, 2172.5 MHz	34.906	0	Not Provided	34.9	62	N/A
20 MHz							
	Low Channel, 2120 MHz	33.62	0	Not Provided	33.6	62	N/A
	Mid Channel, 2145 MHz	33.595	0	Not Provided	33.6	62	N/A
	High Channel, 2170 MHz	33.607	0	Not Provided	33.6	62	N/A
16-QAM							
5 MHz							
	Low Channel, 2112.5 MHz	39.98	0	Not Provided	40.0	62	N/A
	Mid Channel, 2145 MHz	40.011	0	Not Provided	40.0	62	N/A
	High Channel, 2177.5 MHz	39.865	0	Not Provided	39.9	62	N/A
10 MHz							
	Low Channel, 2115 MHz	37.278	0	Not Provided	37.3	62	N/A
	Mid Channel, 2145 MHz	37.327	0	Not Provided	37.3	62	N/A
	High Channel, 2175 MHz	37.208	0	Not Provided	37.2	62	N/A
15 MHz							
	Low Channel, 2117.5 MHz	36.38	0	Not Provided	36.4	62	N/A
	Mid Channel, 2145 MHz	36.31	0	Not Provided	36.3	62	N/A
	High Channel, 2172.5 MHz	36.382	0	Not Provided	36.4	62	N/A
20 MHz							
	Low Channel, 2120 MHz	35.214	0	Not Provided	35.2	62	N/A
	Mid Channel, 2145 MHz	35.108	0	Not Provided	35.1	62	N/A
	High Channel, 2170 MHz	35.098	0	Not Provided	35.1	62	N/A
64-QAM							
5 MHz							
	Low Channel, 2112.5 MHz	39.67	0	Not Provided	39.7	62	N/A
	Mid Channel, 2145 MHz	39.715	0	Not Provided	39.7	62	N/A
	High Channel, 2177.5 MHz	39.662	0	Not Provided	39.7	62	N/A
10 MHz							
	Low Channel, 2115 MHz	36.786	0	Not Provided	36.8	62	N/A
	Mid Channel, 2145 MHz	36.78	0	Not Provided	36.8	62	N/A
	High Channel, 2175 MHz	36.55	0	Not Provided	36.6	62	N/A
15 MHz							
	Low Channel, 2117.5 MHz	34.901	0	Not Provided	34.9	62	N/A
	Mid Channel, 2145 MHz	34.951	0	Not Provided	35.0	62	N/A
	High Channel, 2172.5 MHz	34.907	0	Not Provided	34.9	62	N/A
20 MHz							
	Low Channel, 2120 MHz	33.594	0	Not Provided	33.6	62	N/A
	Mid Channel, 2145 MHz	33.767	0	Not Provided	33.8	62	N/A
	High Channel, 2170 MHz	33.801	0	Not Provided	33.8	62	N/A
256-QAM							
5 MHz							
	Low Channel, 2112.5 MHz	39.718	0	Not Provided	39.7	62	N/A
	Mid Channel, 2145 MHz	39.757	0	Not Provided	39.8	62	N/A
	High Channel, 2177.5 MHz	39.636	0	Not Provided	39.6	62	N/A
10 MHz							
	Low Channel, 2115 MHz	36.519	0	Not Provided	36.5	62	N/A
	Mid Channel, 2145 MHz	36.761	0	Not Provided	36.8	62	N/A
	High Channel, 2175 MHz	36.674	0	Not Provided	36.7	62	N/A
15 MHz							
	Low Channel, 2117.5 MHz	34.864	0	Not Provided	34.9	62	N/A
	Mid Channel, 2145 MHz	34.928	0	Not Provided	34.9	62	N/A
	High Channel, 2172.5 MHz	34.906	0	Not Provided	34.9	62	N/A
20 MHz							
	Low Channel, 2120 MHz	33.619	0	Not Provided	33.6	62	N/A
	Mid Channel, 2145 MHz	33.668	0	Not Provided	33.7	62	N/A
	High Channel, 2170 MHz	33.664	0	Not Provided	33.7	62	N/A

POWER SPECTRAL DENSITY BAND 66a

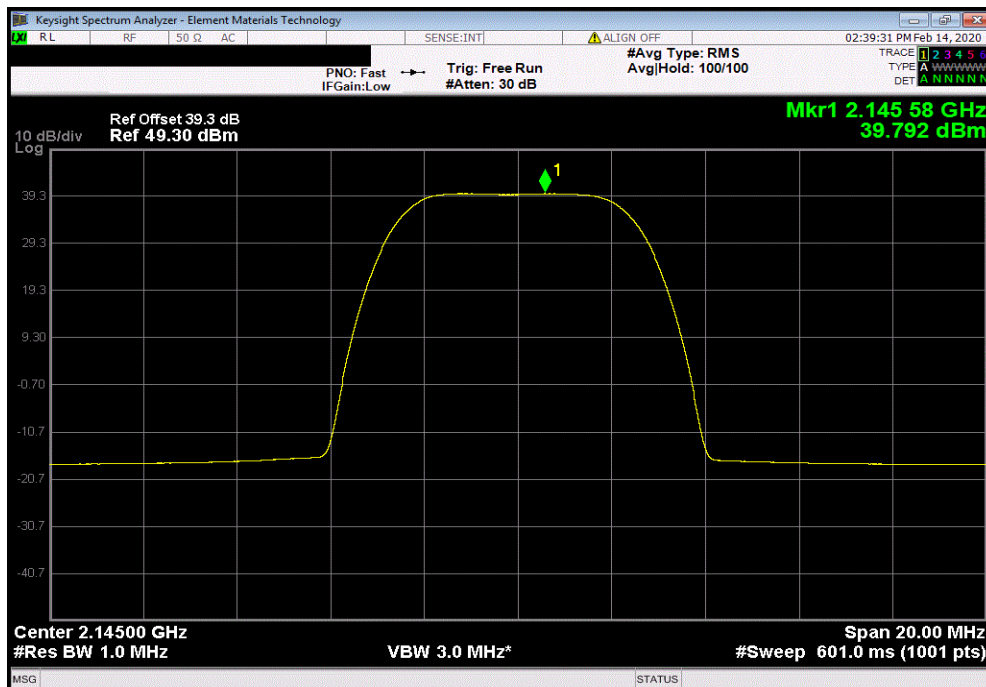


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, QPSK, 5 MHz, Low Channel, 2112.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.729	0	Not Provided	39.73	62	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 5 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.792	0	Not Provided	39.79	62	N/A	

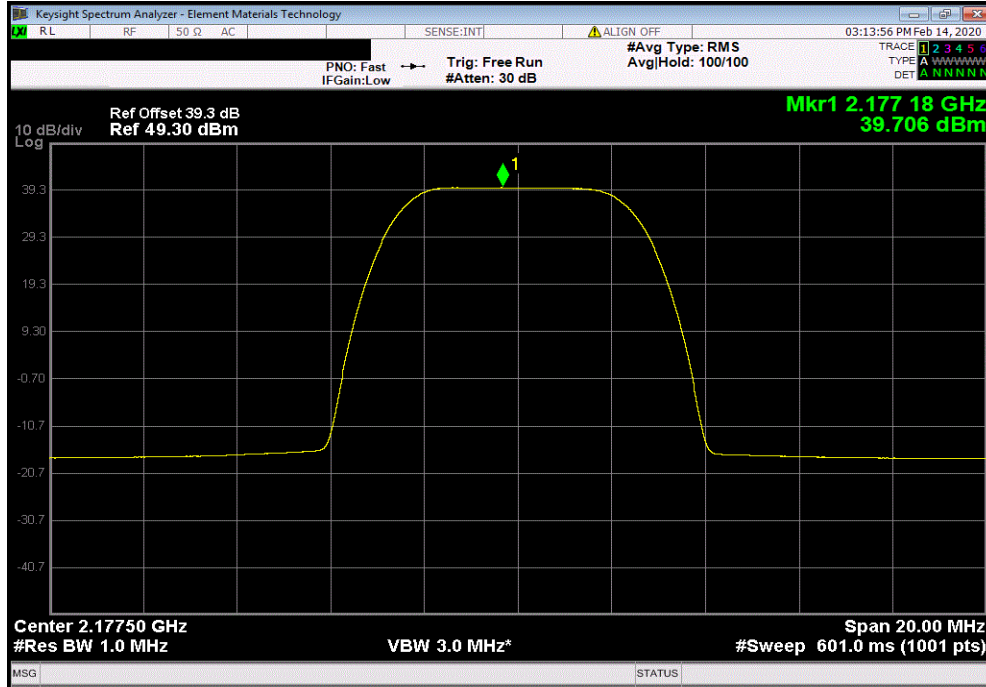


POWER SPECTRAL DENSITY BAND 66a

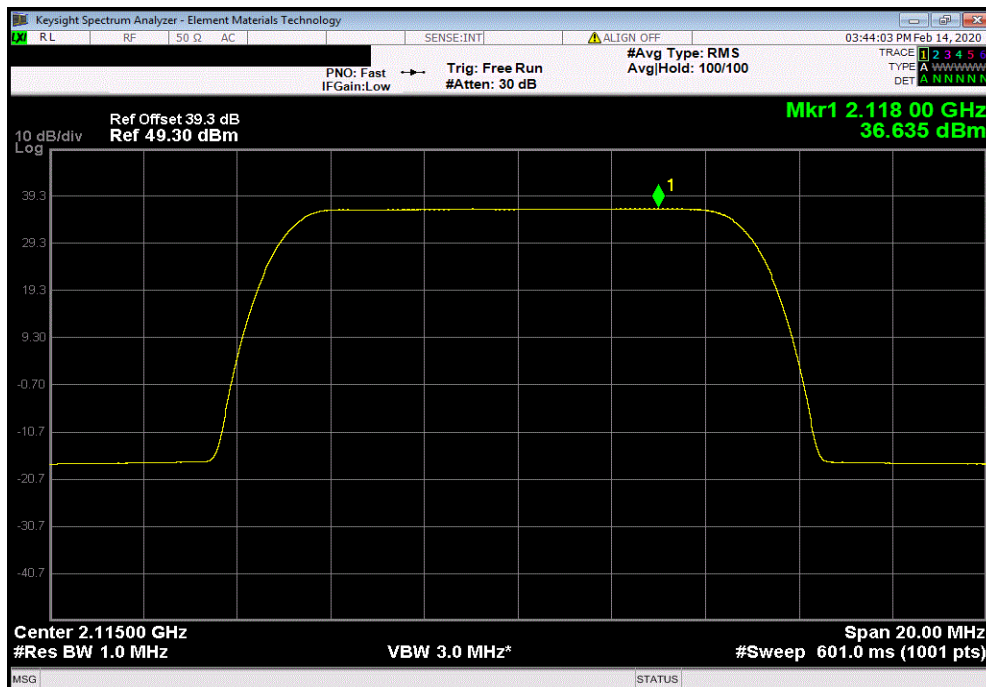


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Band 66a (Single Carrier) Port 4, QPSK, 5 MHz, High Channel, 2177.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.706	0	Not Provided	39.71	62	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 10 MHz, Low Channel, 2115 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.635	0	Not Provided	36.64	62	N/A	

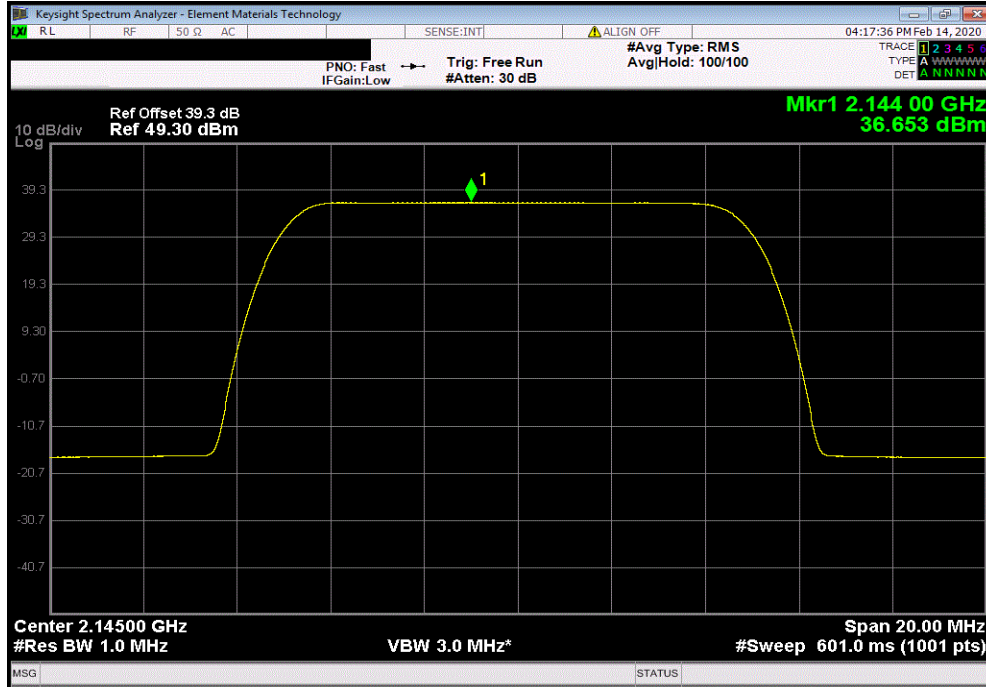


POWER SPECTRAL DENSITY BAND 66a

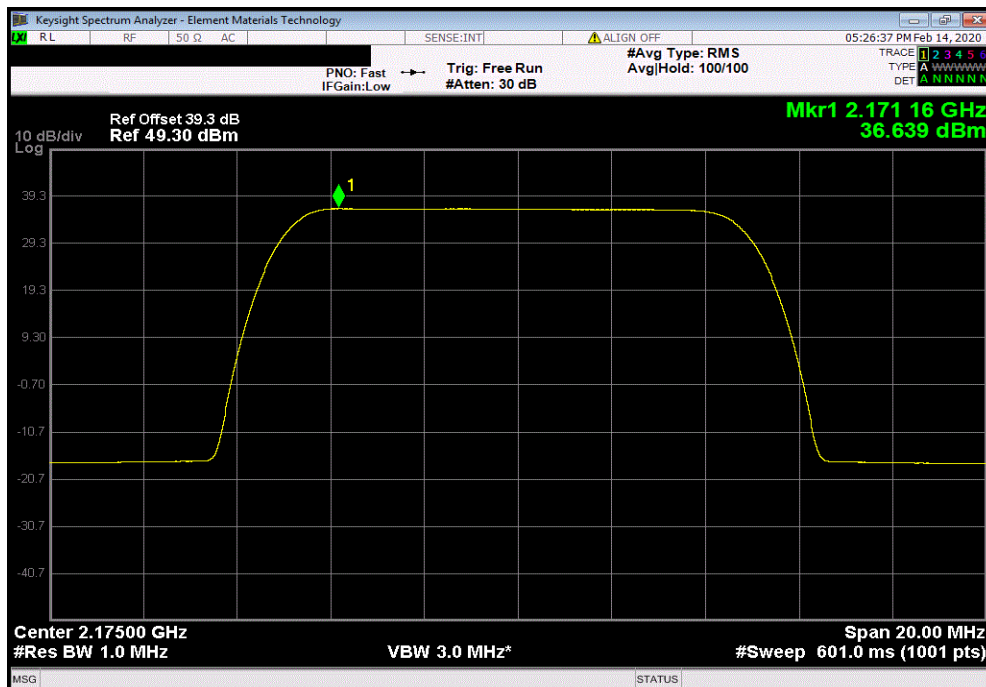


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, QPSK, 10 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.653	0	Not Provided	36.65	62	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 10 MHz, High Channel, 2175 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.639	0	Not Provided	36.64	62	N/A	

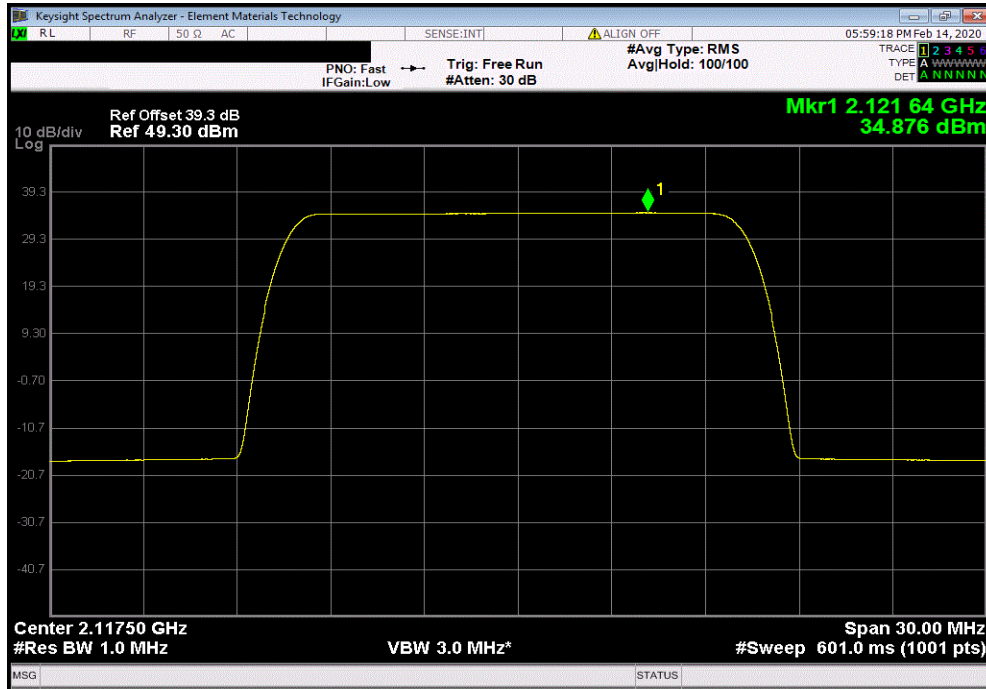


POWER SPECTRAL DENSITY BAND 66a

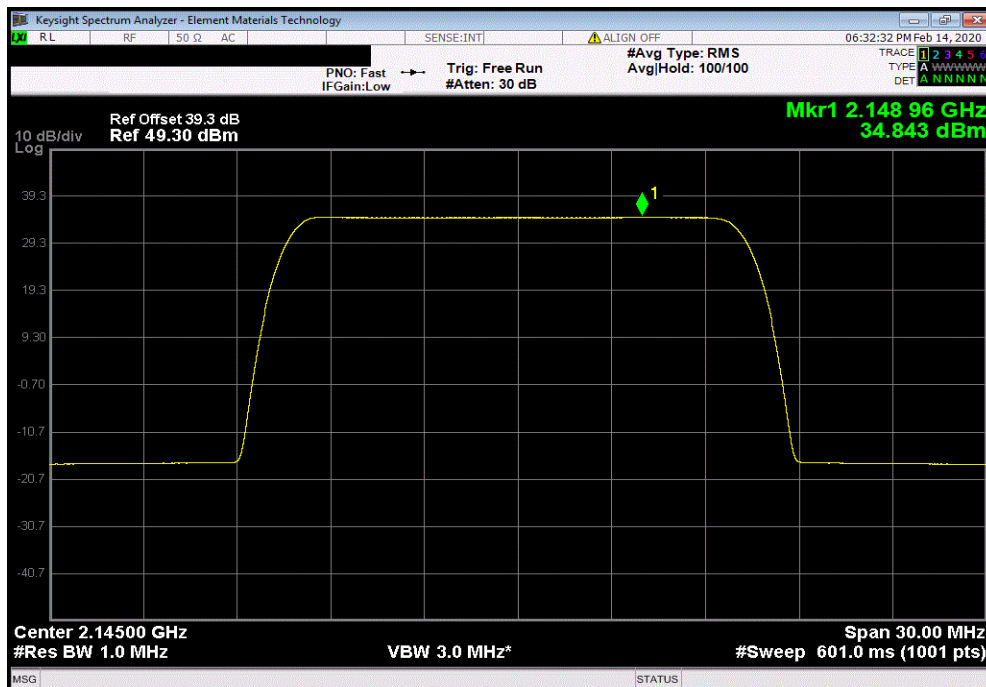


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, QPSK, 15 MHz, Low Channel, 2117.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.876	0	Not Provided	34.88	62	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 15 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.843	0	Not Provided	34.84	62	N/A	

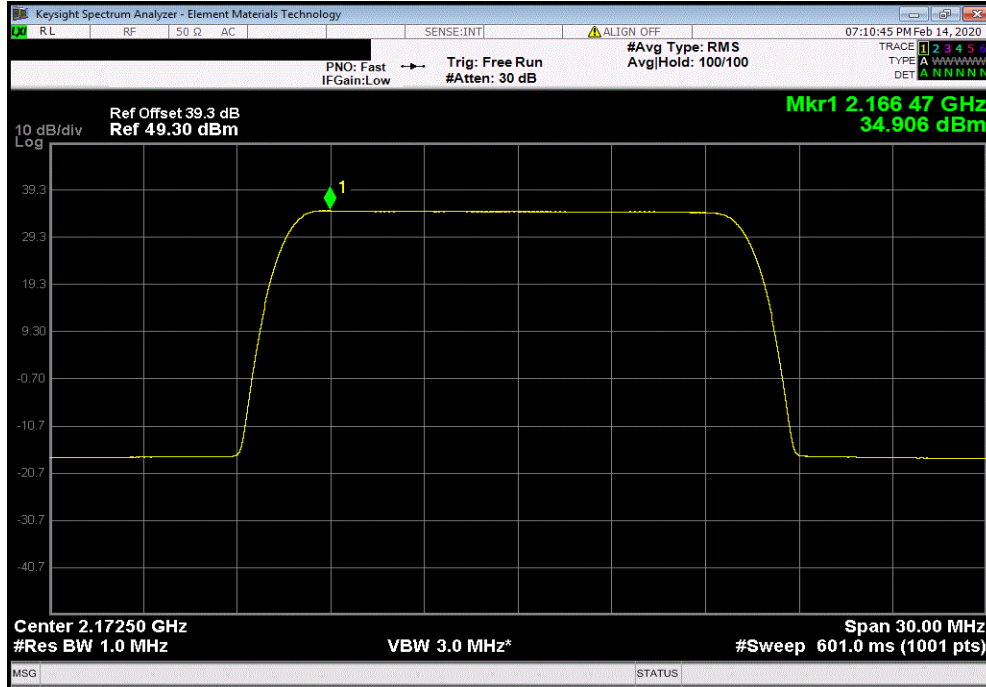


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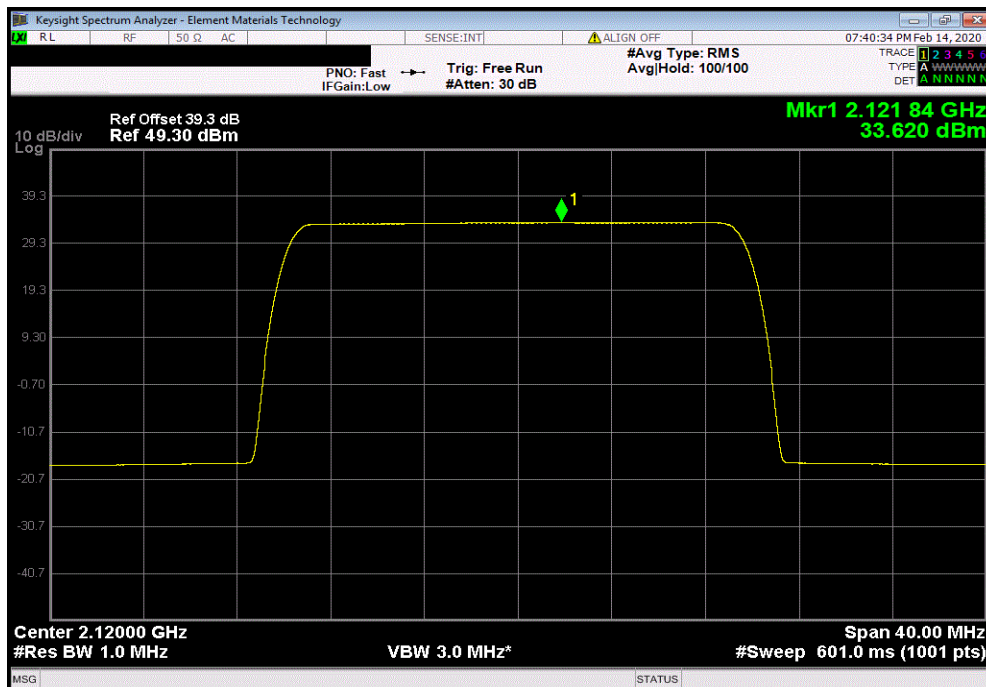


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, QPSK, 15 MHz, High Channel, 2172.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.906	0	Not Provided	34.91	62	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 20 MHz, Low Channel, 2120 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.62	0	Not Provided	33.62	62	N/A	

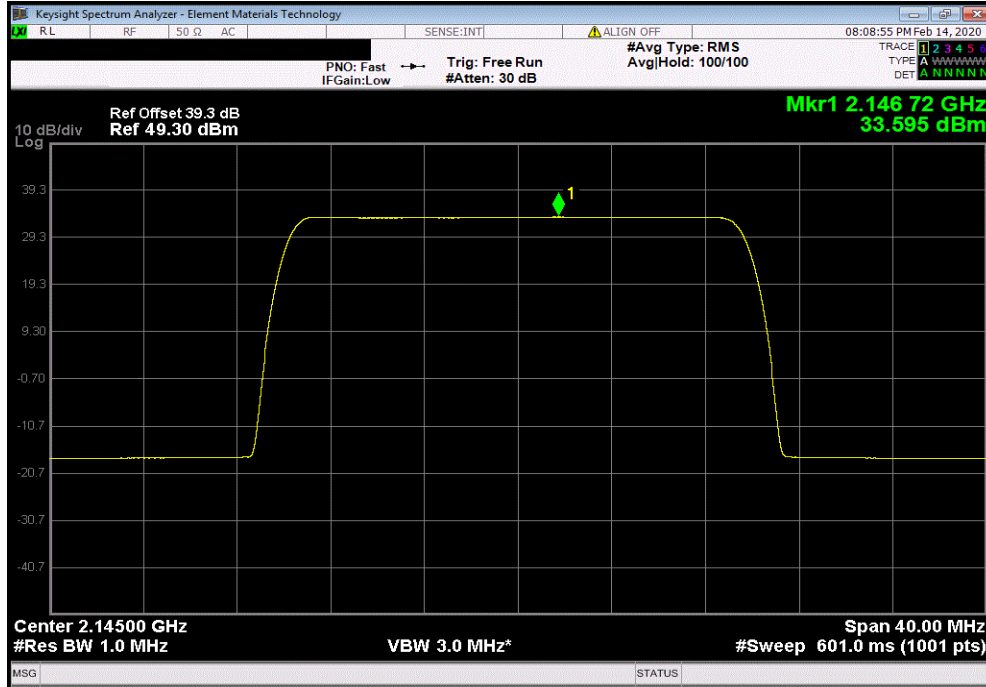


POWER SPECTRAL DENSITY BAND 66a

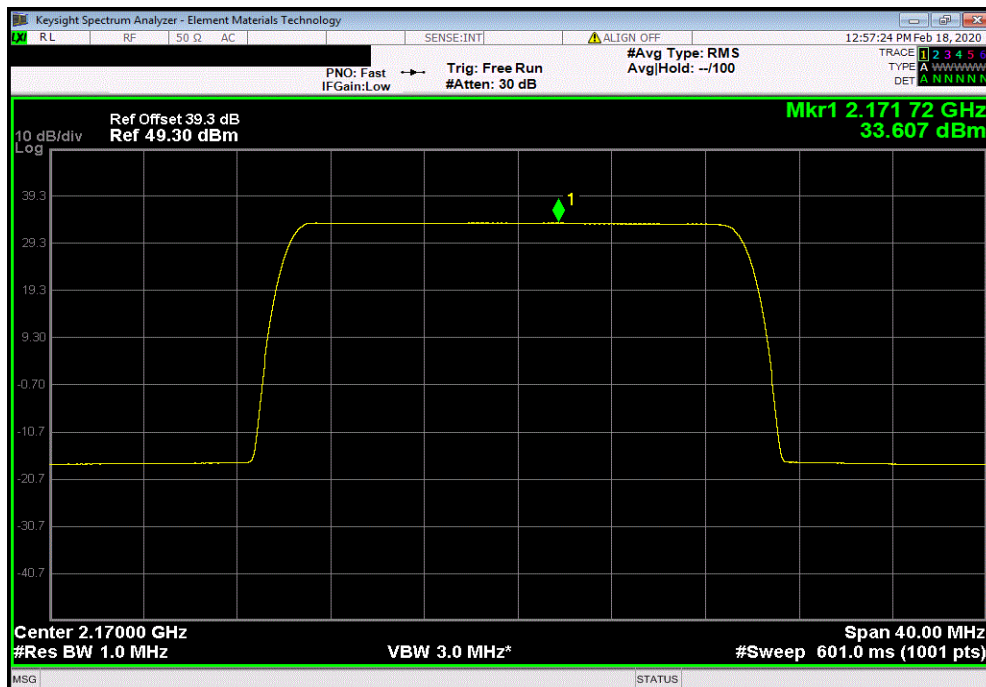


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Band 66a (Single Carrier) Port 4, QPSK, 20 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.595	0	Not Provided	33.60	62	N/A	



Band 66a (Single Carrier) Port 4, QPSK, 20 MHz, High Channel, 2170 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.607	0	Not Provided	33.61	62	N/A	

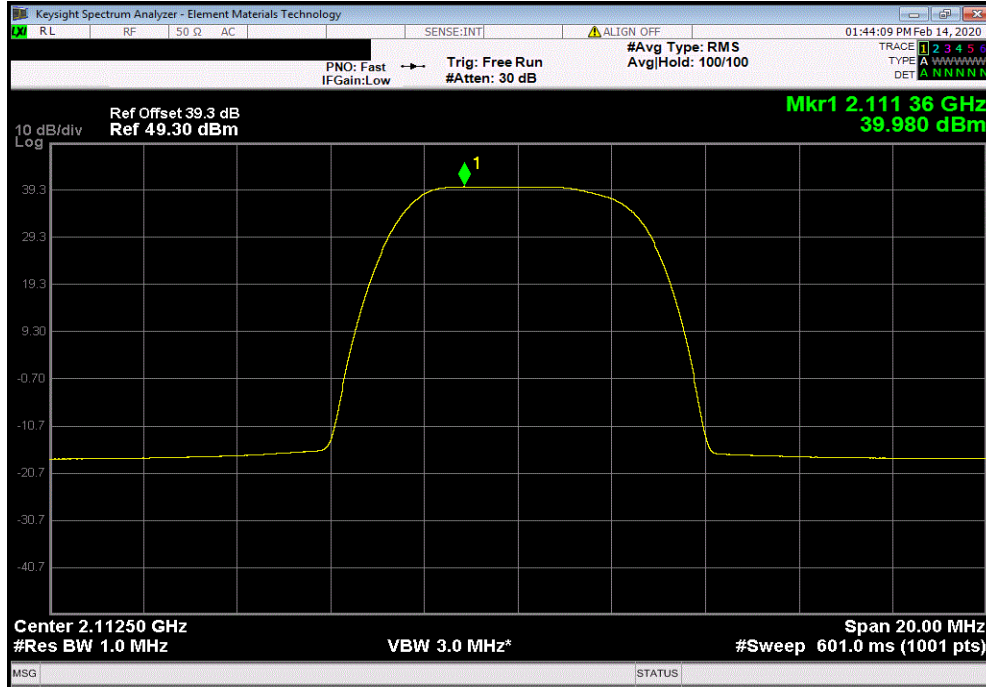


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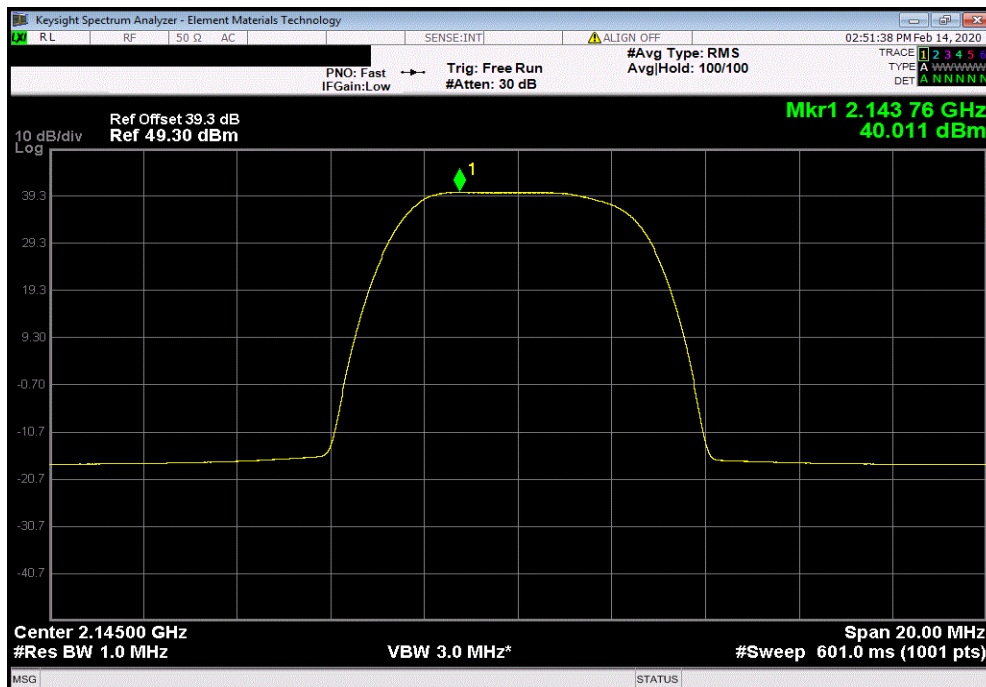


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Band 66a (Single Carrier) Port 4, 16-QAM, 5 MHz, Low Channel, 2112.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.98	0	Not Provided	39.98	62	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 5 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
40.011	0	Not Provided	40.01	62	N/A	

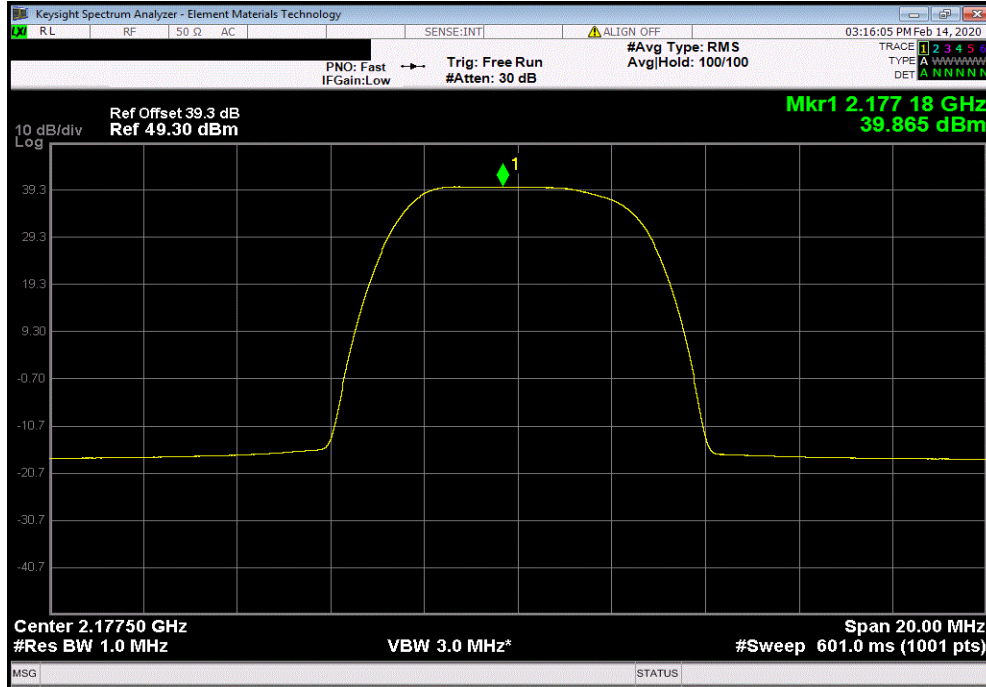


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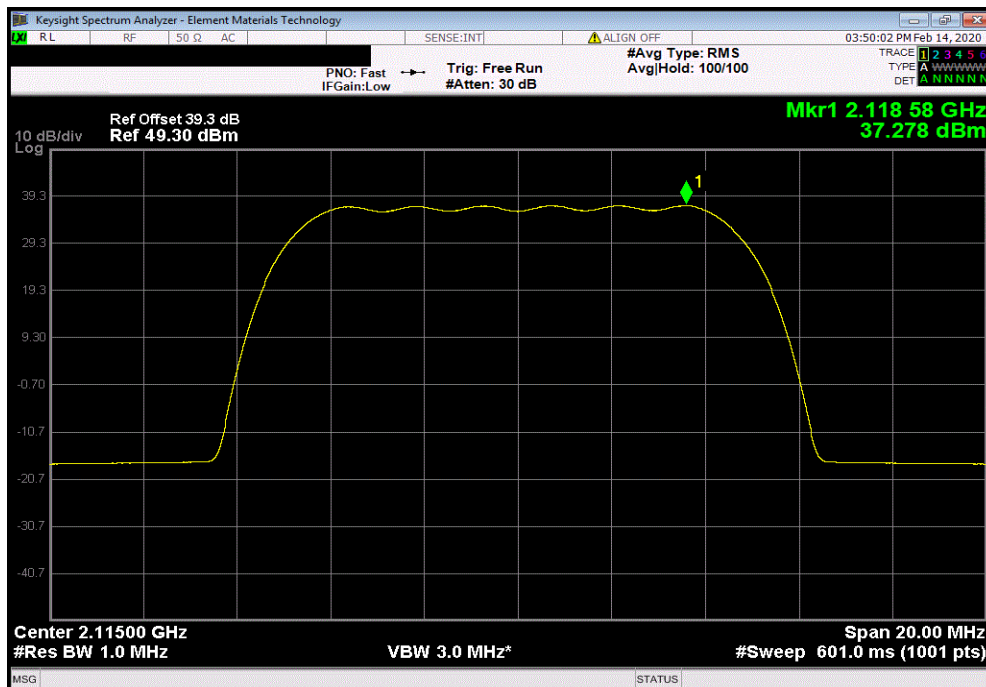


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 16-QAM, 5 MHz, High Channel, 2177.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.865	0	Not Provided	39.87	62	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 10 MHz, Low Channel, 2115 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
37.278	0	Not Provided	37.28	62	N/A	

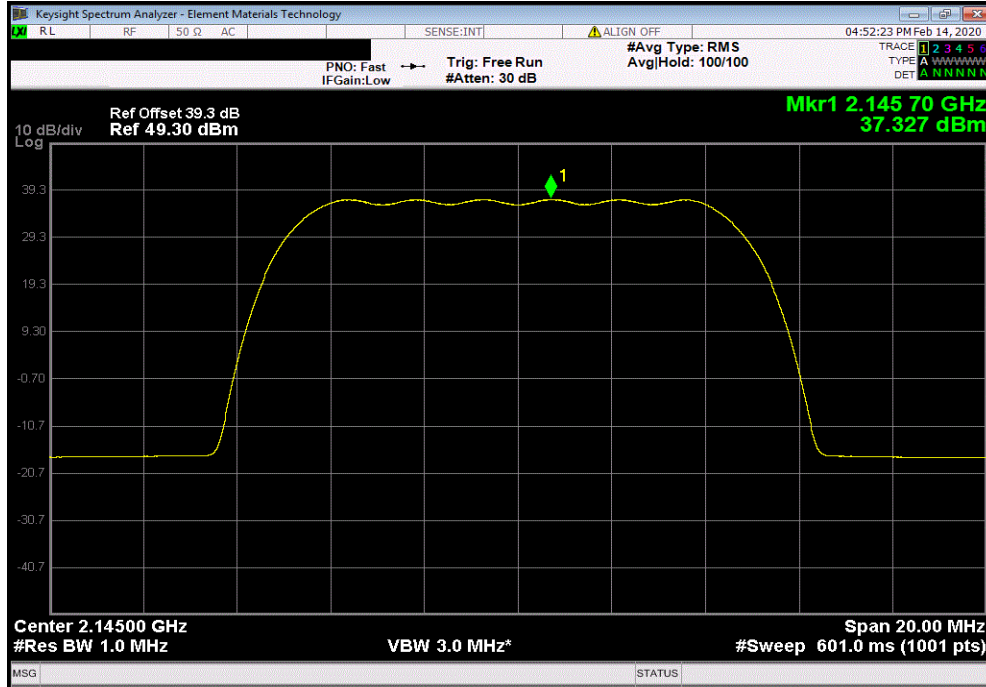


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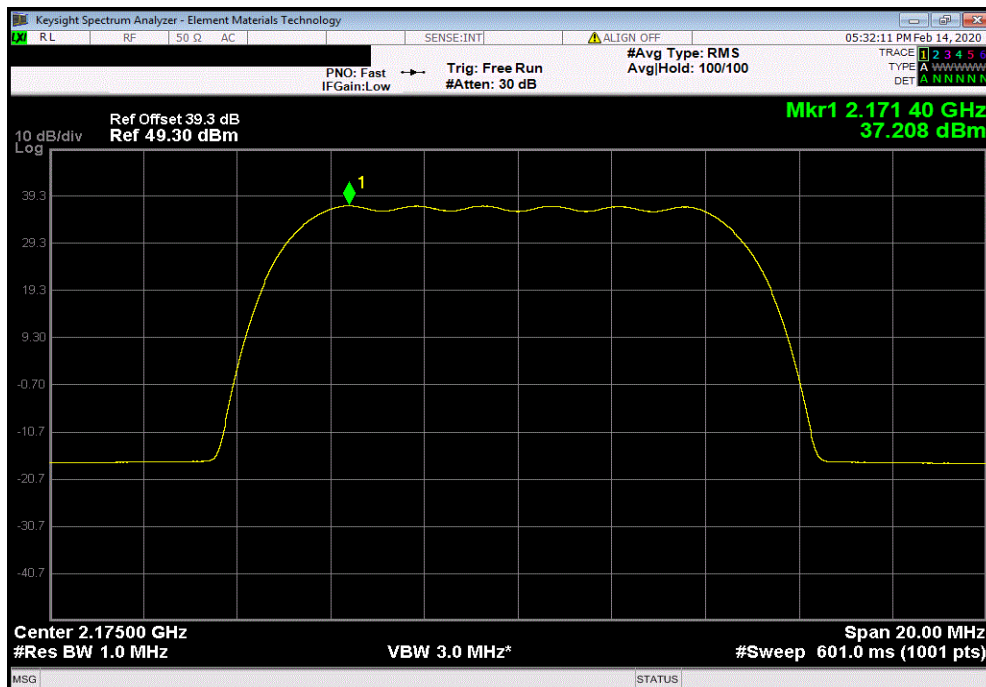


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Band 66a (Single Carrier) Port 4, 16-QAM, 10 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
37.327	0	Not Provided	37.33	62	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 10 MHz, High Channel, 2175 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
37.208	0	Not Provided	37.21	62	N/A	

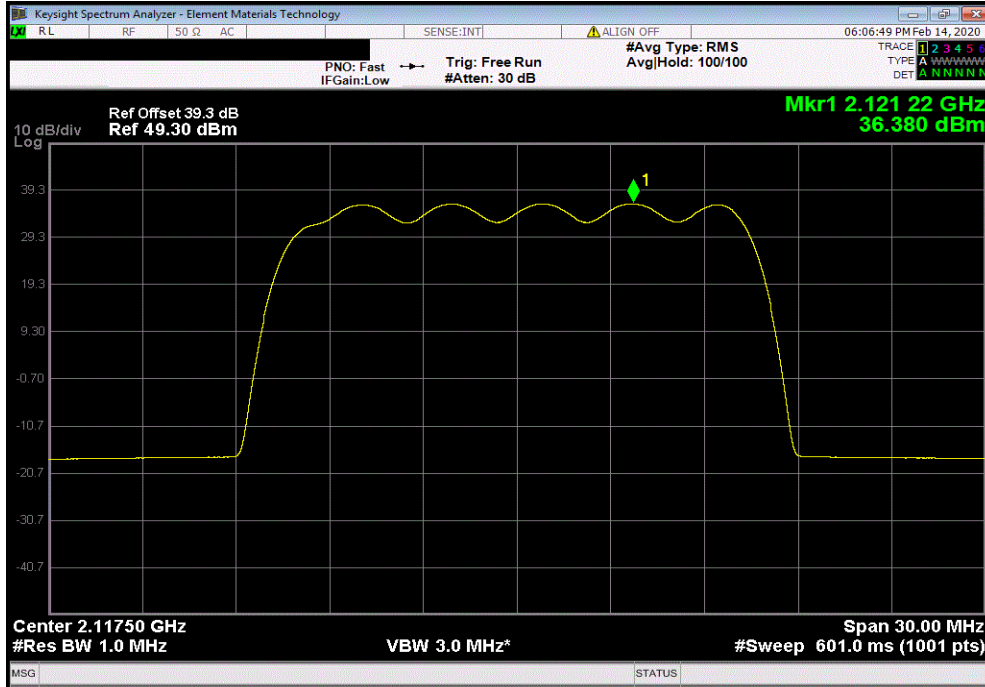


POWER SPECTRAL DENSITY BAND 66a

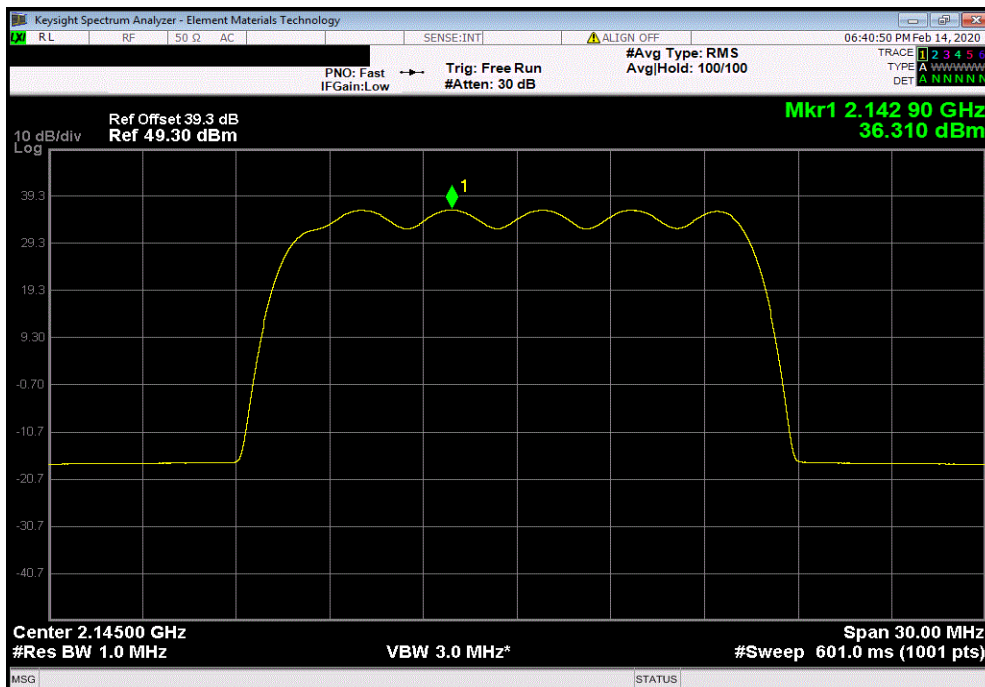


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 16-QAM, 15 MHz, Low Channel, 2117.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.38	0	Not Provided	36.38	62	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 15 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.31	0	Not Provided	36.31	62	N/A	

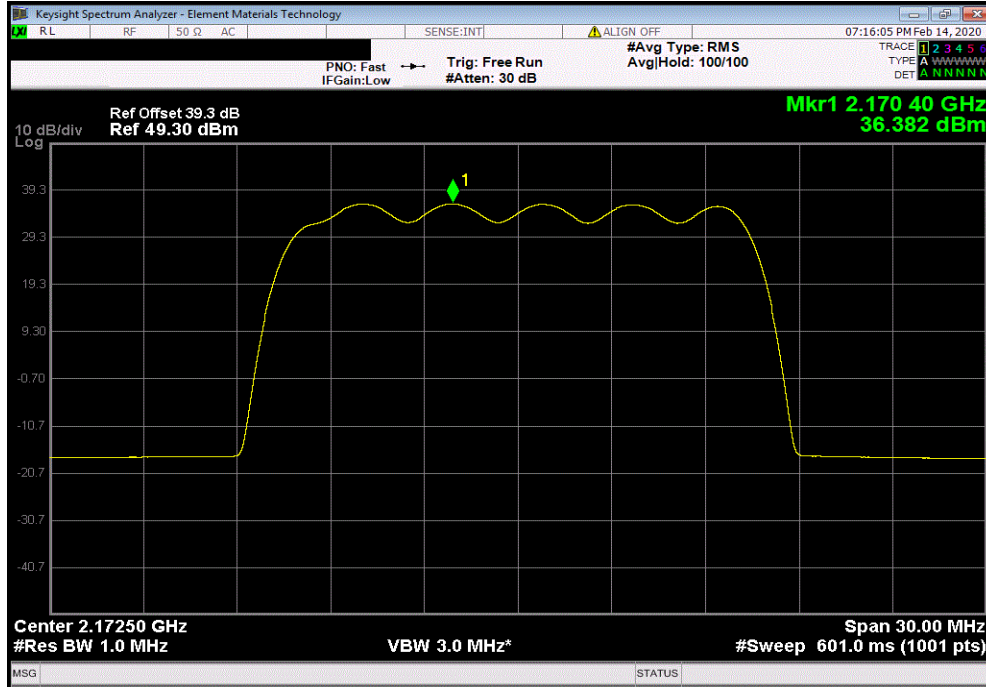


POWER SPECTRAL DENSITY BAND 66a

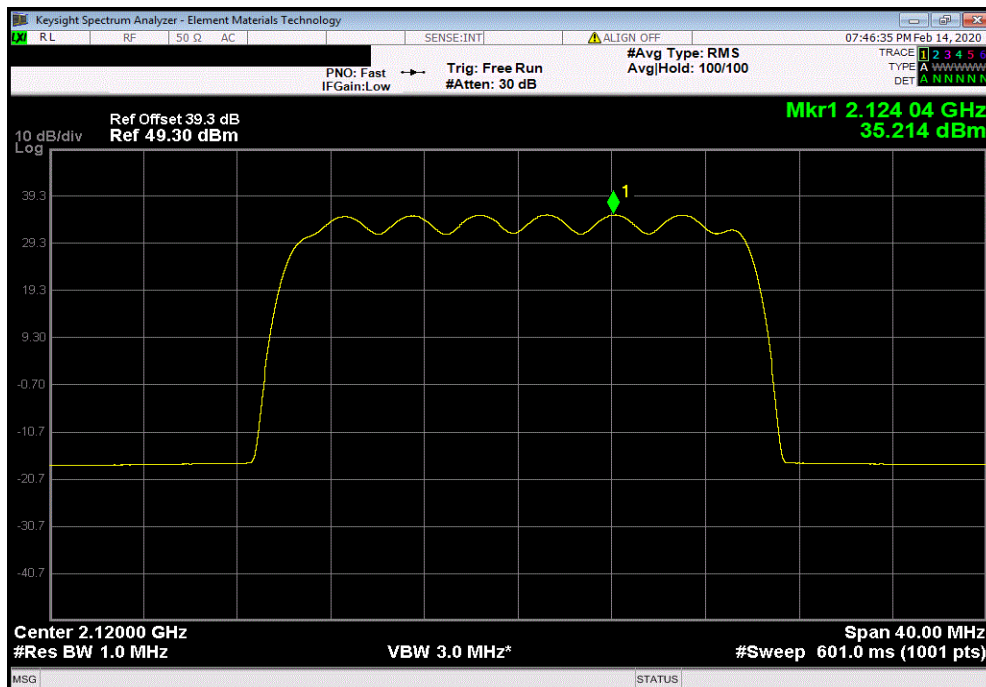


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 16-QAM, 15 MHz, High Channel, 2172.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.382	0	Not Provided	36.38	62	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 20 MHz, Low Channel, 2120 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
35.214	0	Not Provided	35.21	62	N/A	

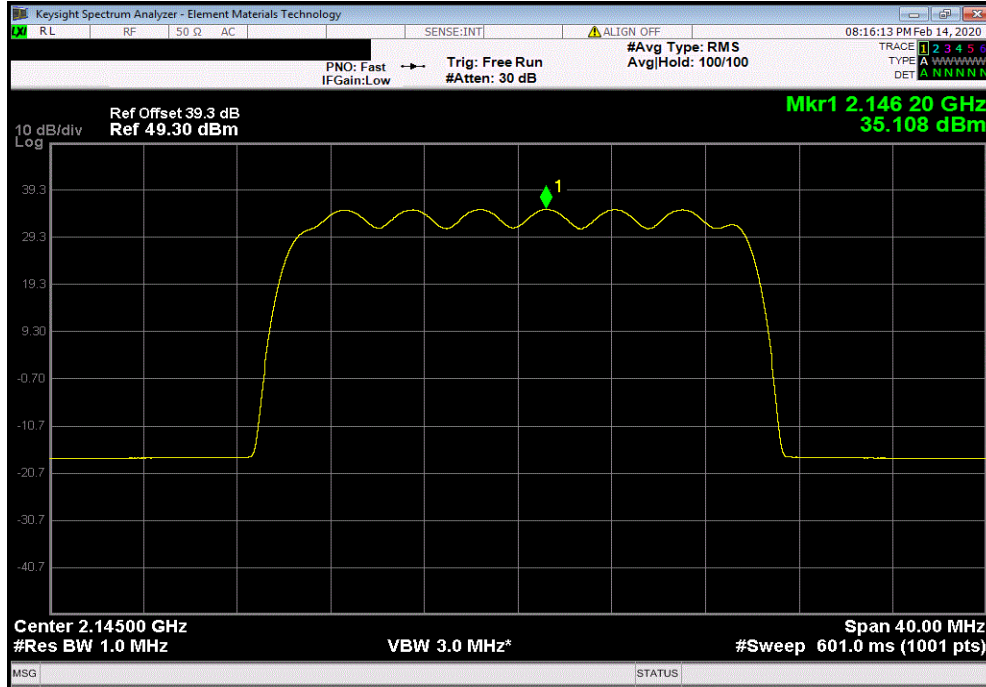


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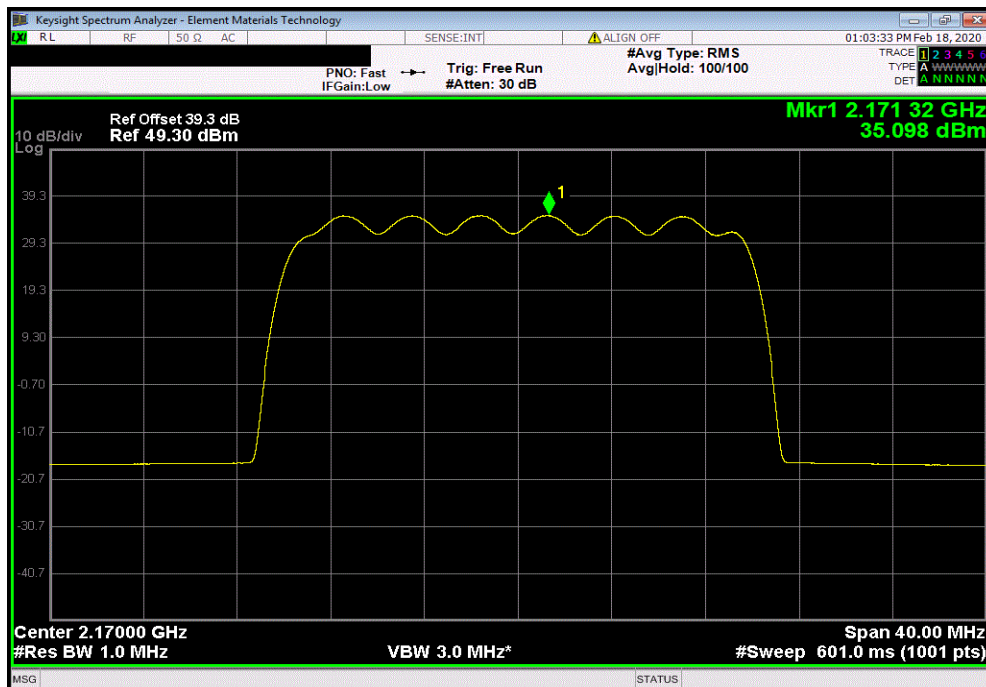


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 16-QAM, 20 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
35.108	0	Not Provided	35.11	62	N/A	



Band 66a (Single Carrier) Port 4, 16-QAM, 20 MHz, High Channel, 2170 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
35.098	0	Not Provided	35.10	62	N/A	

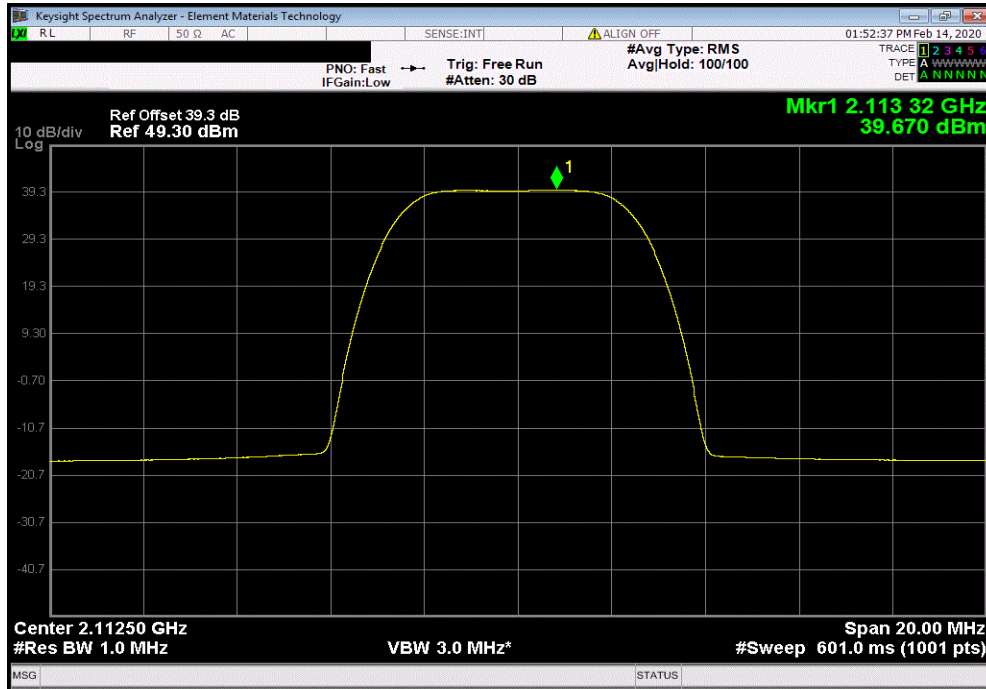


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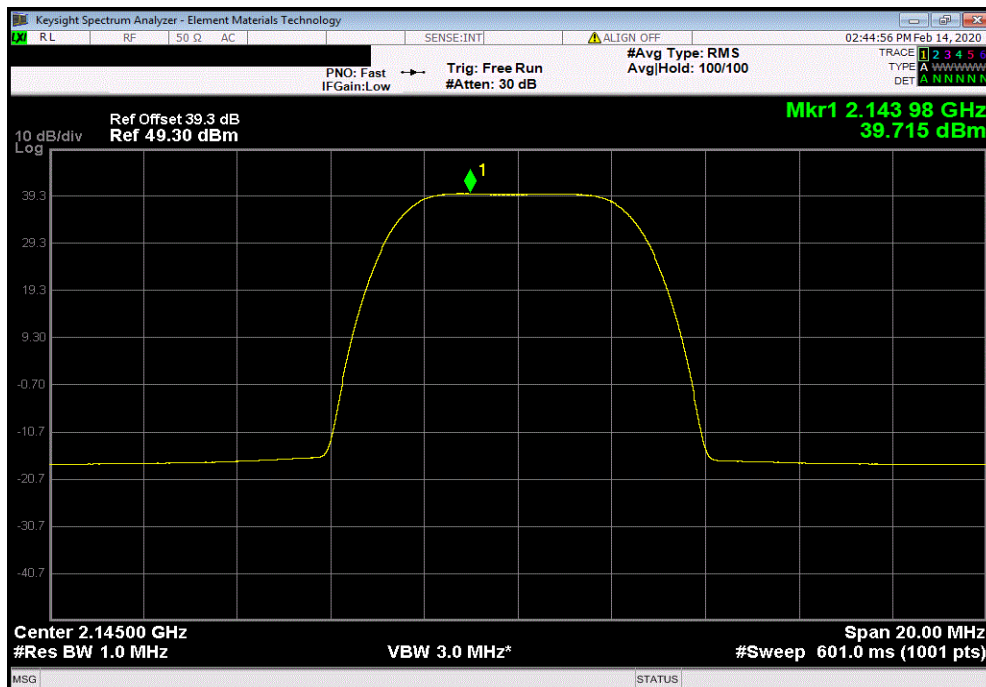


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 5 MHz, Low Channel, 2112.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.67	0	Not Provided	39.67	62	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 5 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.715	0	Not Provided	39.72	62	N/A	

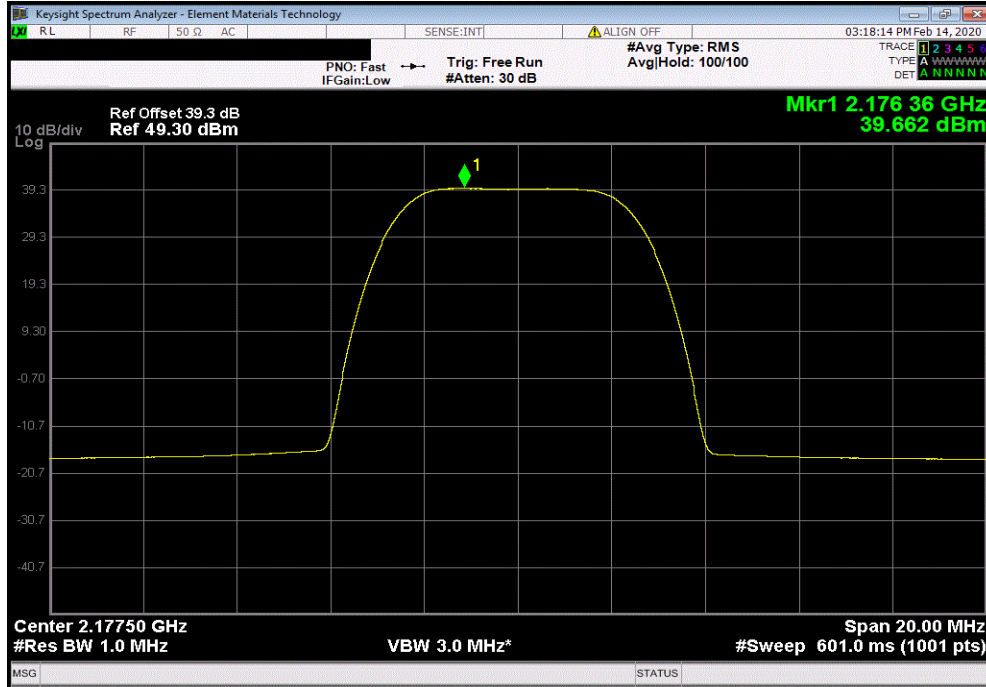


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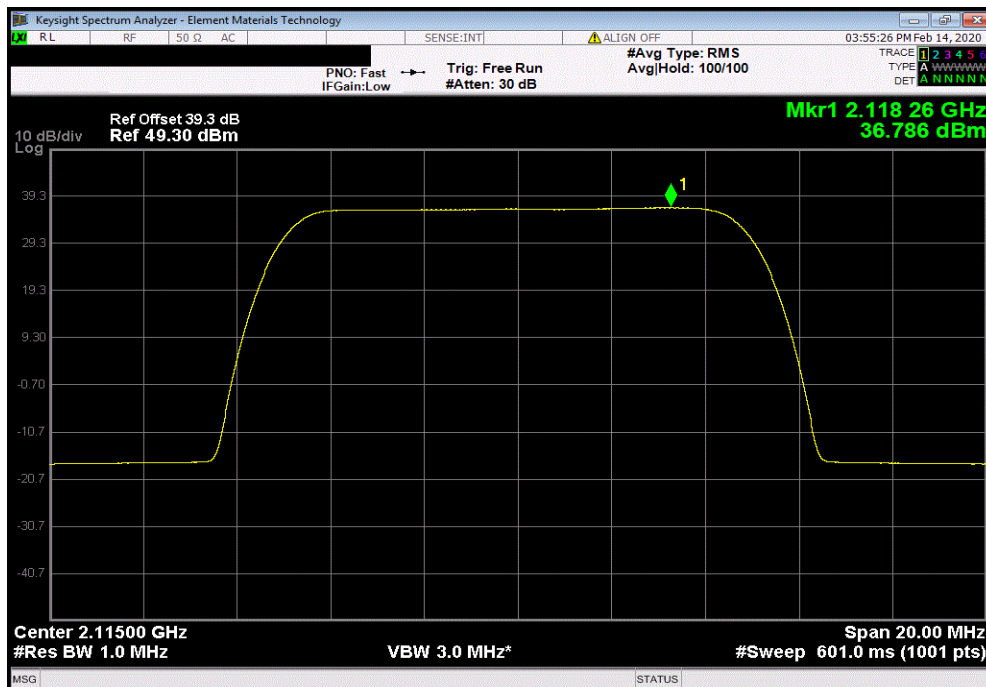


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Band 66a (Single Carrier) Port 4, 64-QAM, 5 MHz, High Channel, 2177.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.662	0	Not Provided	39.66	62	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 10 MHz, Low Channel, 2115 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.786	0	Not Provided	36.79	62	N/A	

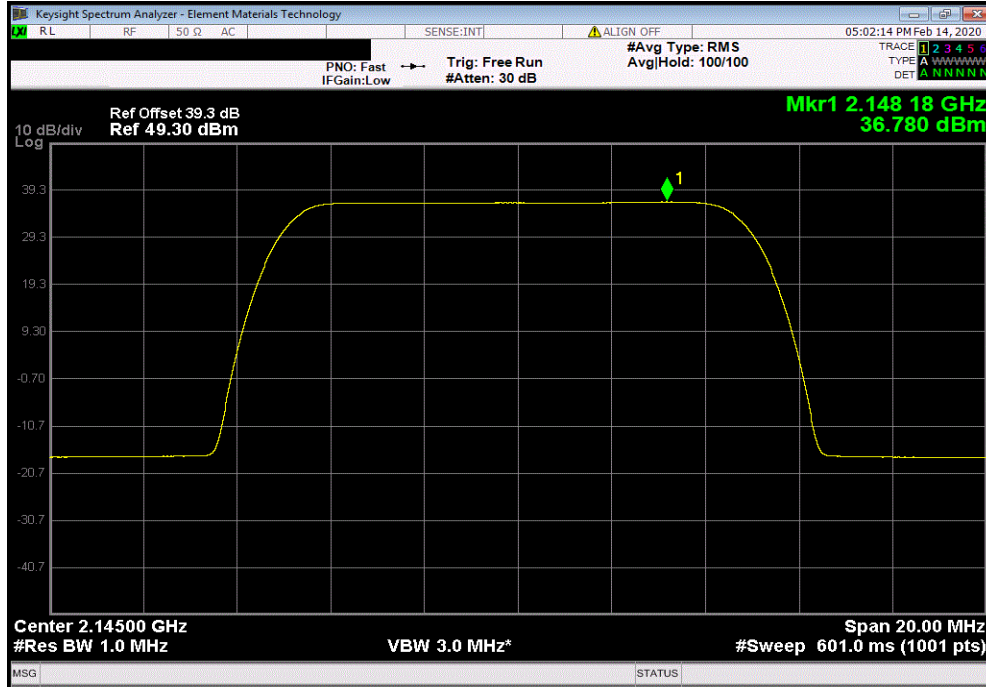


POWER SPECTRAL DENSITY BAND 66a

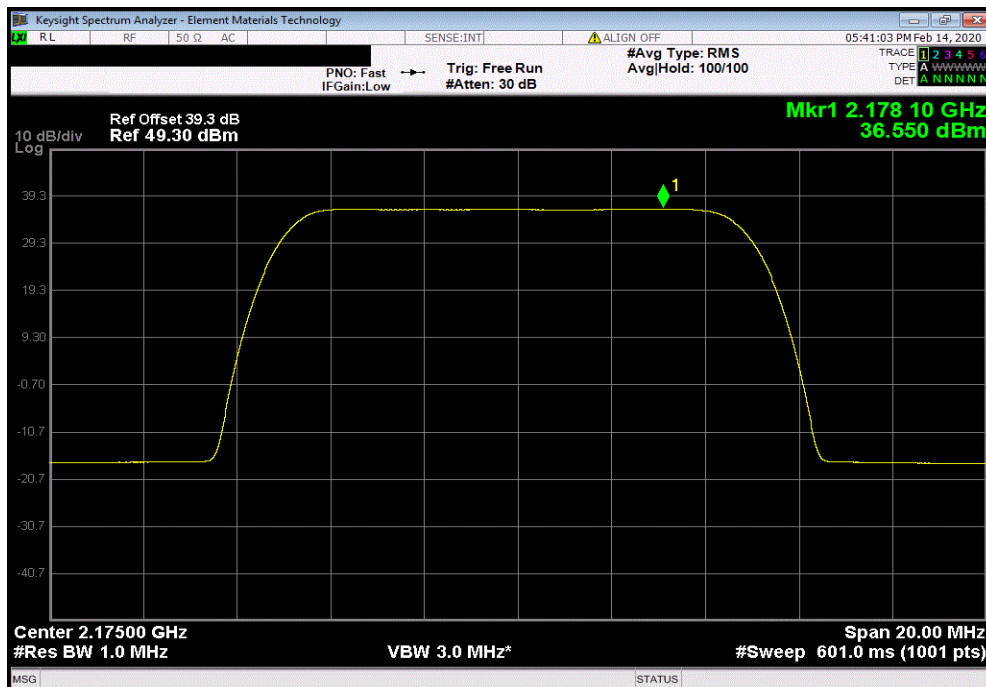


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 10 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.78	0	Not Provided	36.78	62	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 10 MHz, High Channel, 2175 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.55	0	Not Provided	36.55	62	N/A	

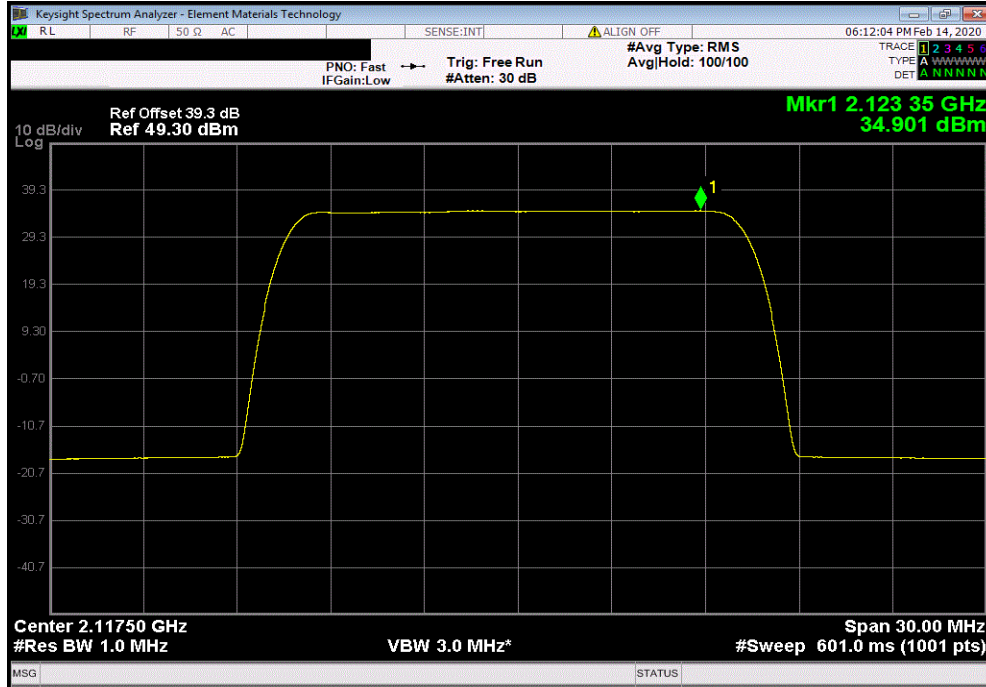


POWER SPECTRAL DENSITY BAND 66a

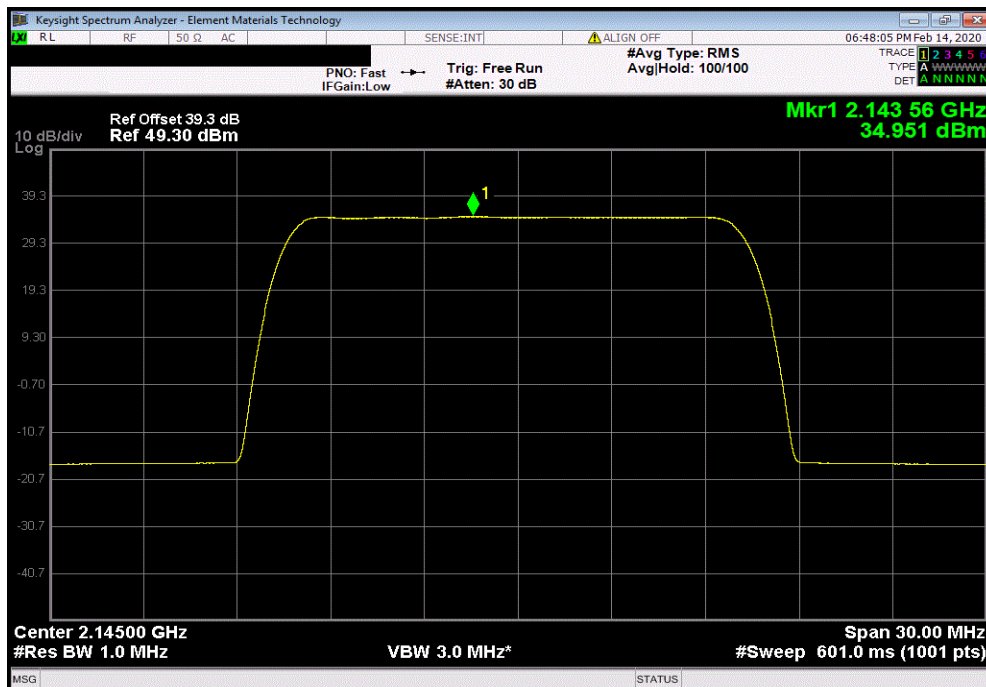


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 15 MHz, Low Channel, 2117.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.901	0	Not Provided	34.90	62	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 15 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.951	0	Not Provided	34.95	62	N/A	

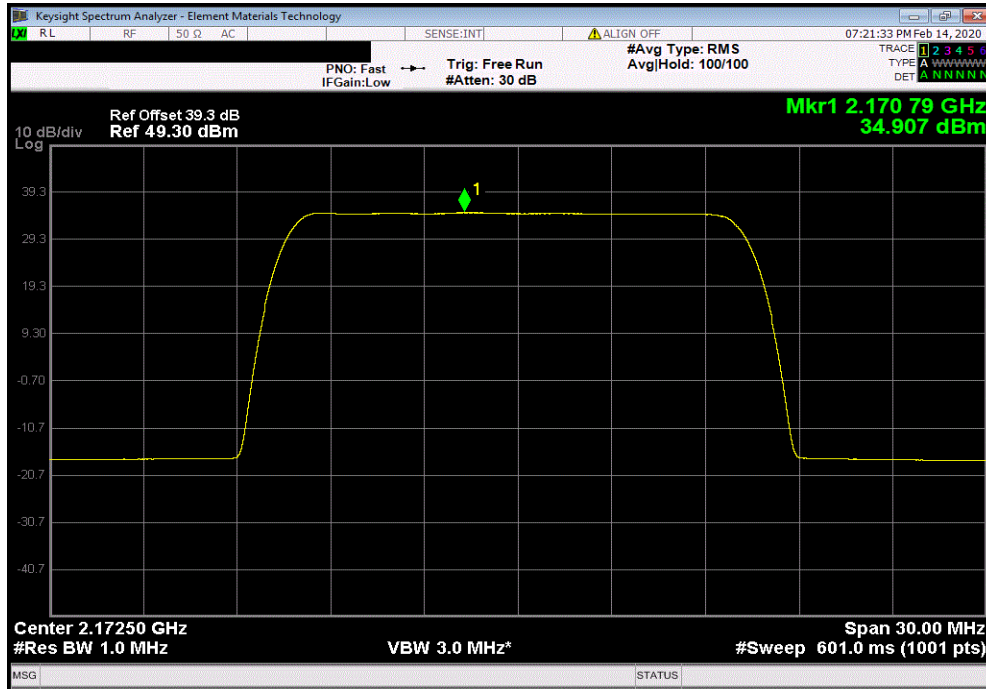


POWER SPECTRAL DENSITY BAND 66a

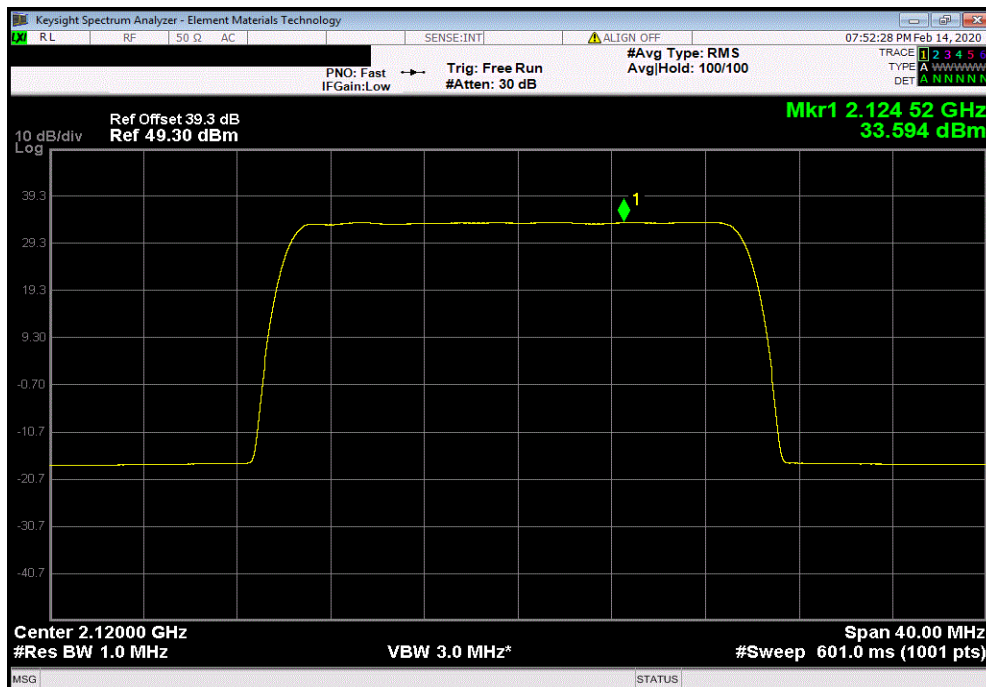


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 15 MHz, High Channel, 2172.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.907	0	Not Provided	34.91	62	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 20 MHz, Low Channel, 2120 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.594	0	Not Provided	33.59	62	N/A	

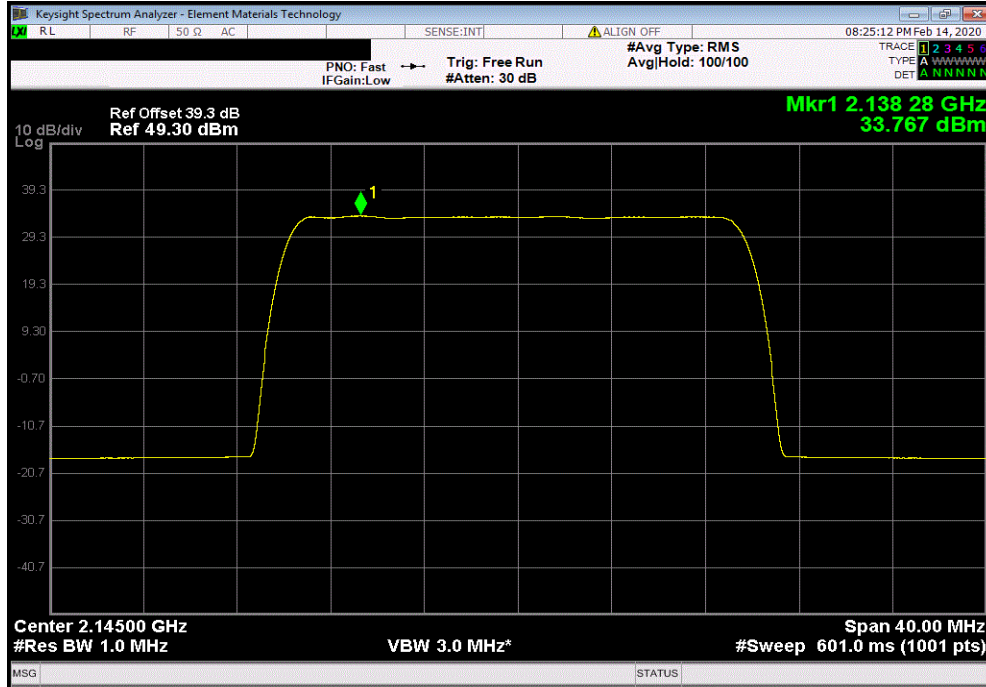


POWER SPECTRAL DENSITY BAND 66a

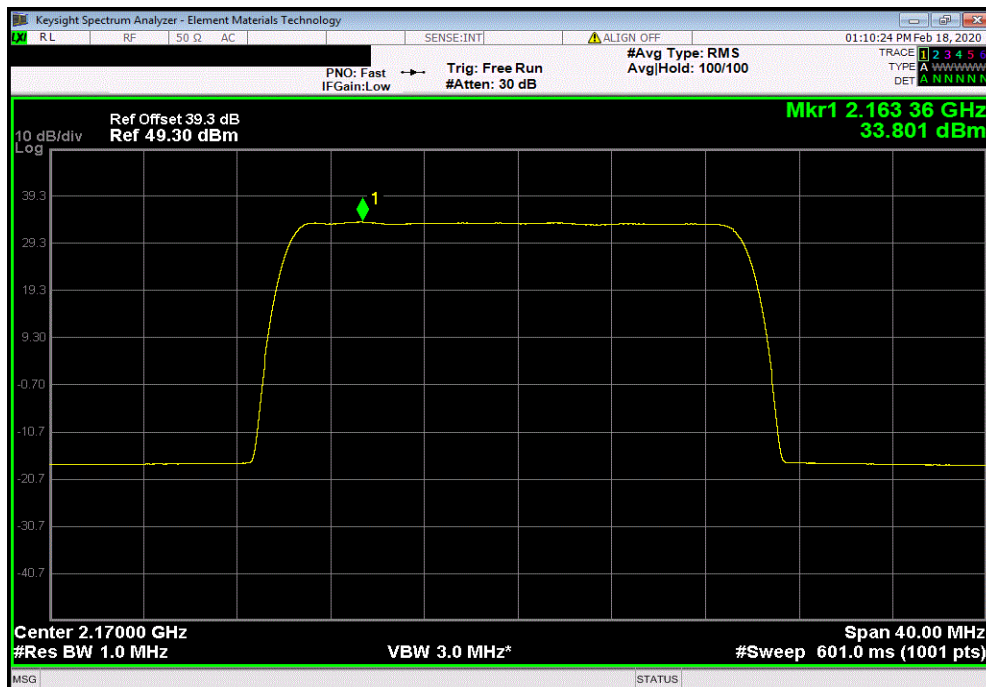


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 64-QAM, 20 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.767	0	Not Provided	33.77	62	N/A	



Band 66a (Single Carrier) Port 4, 64-QAM, 20 MHz, High Channel, 2170 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.801	0	Not Provided	33.80	62	N/A	

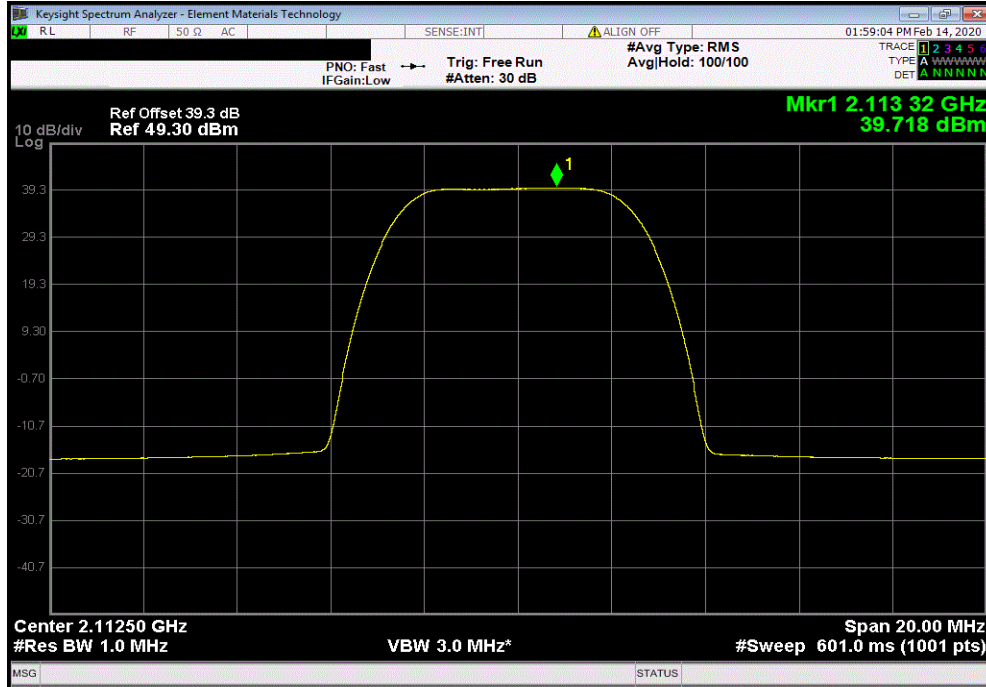


POWER SPECTRAL DENSITY BAND 66a

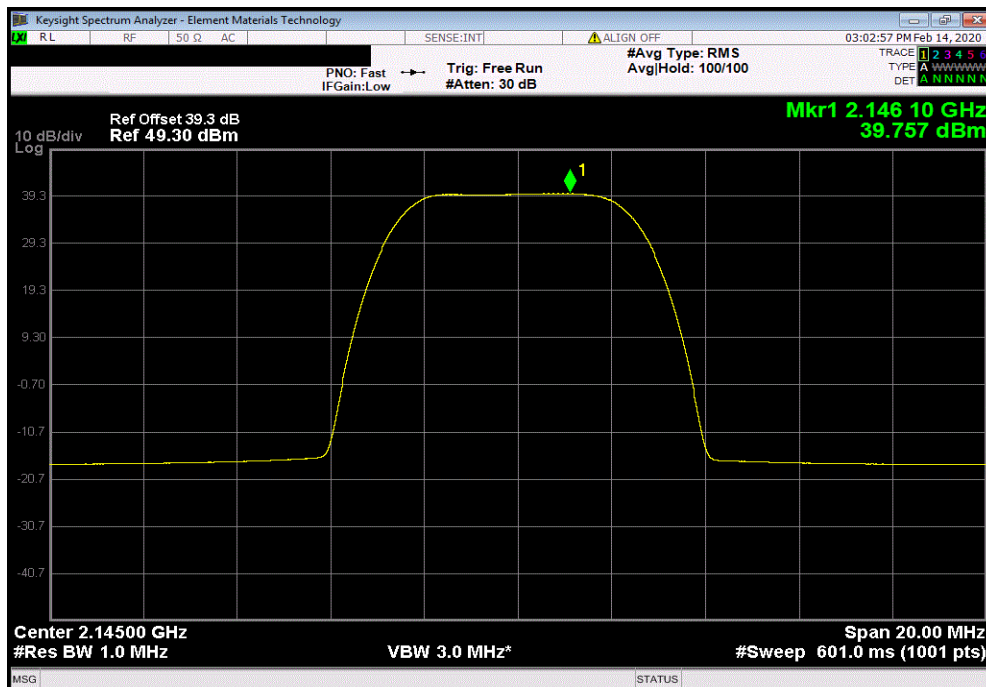


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 5 MHz, Low Channel, 2112.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.718	0	Not Provided	39.72	62	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 5 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.757	0	Not Provided	39.76	62	N/A	

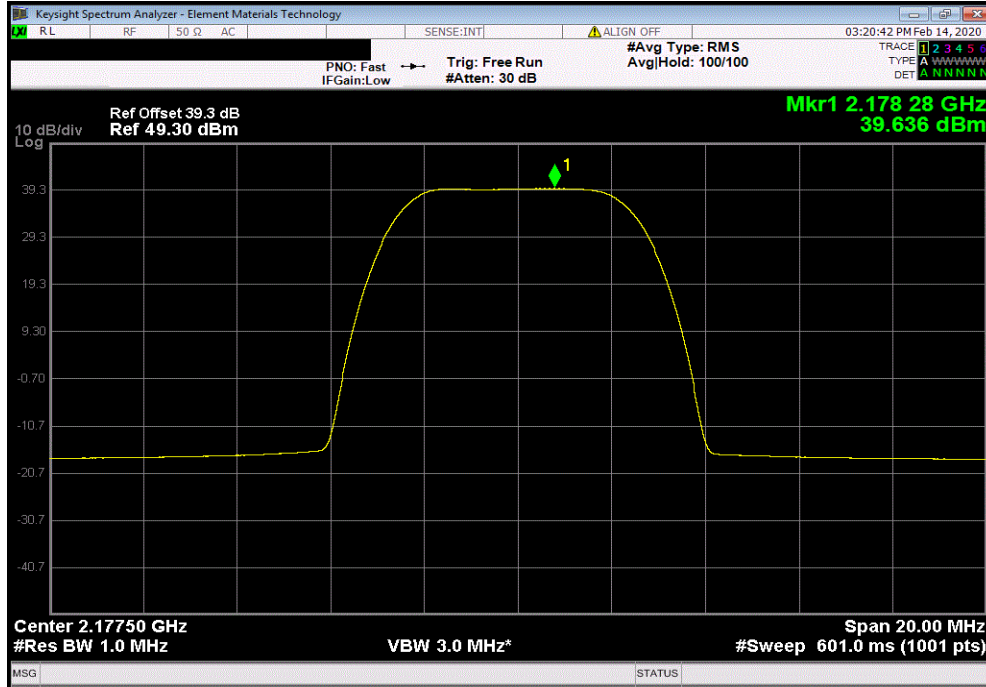


POWER SPECTRAL DENSITY BAND 66a

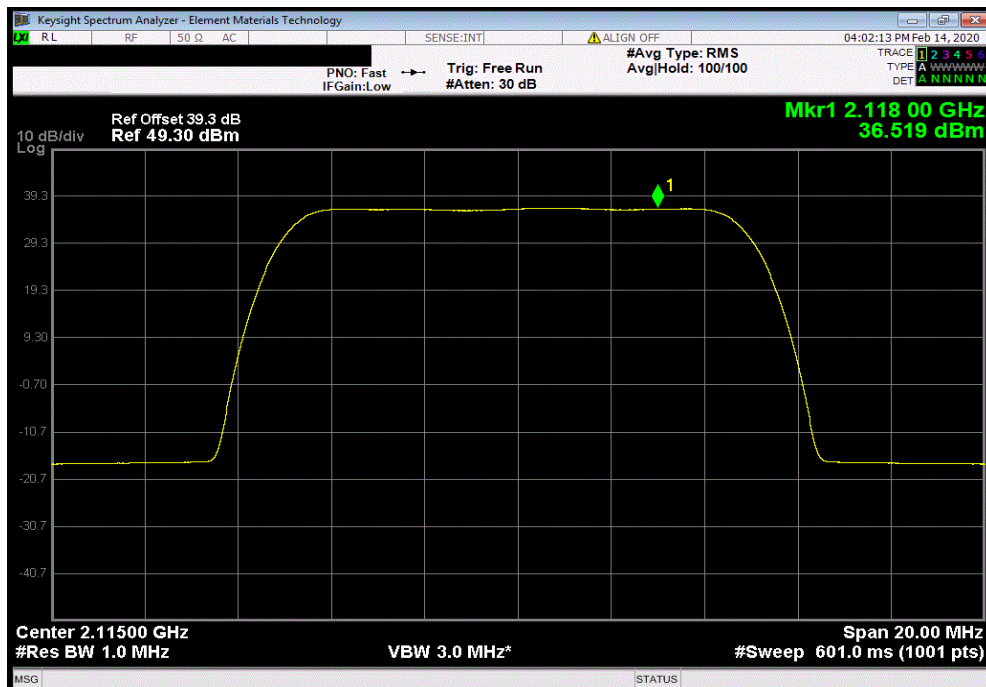


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 5 MHz, High Channel, 2177.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
39.636	0	Not Provided	39.64	62	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 10 MHz, Low Channel, 2115 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.519	0	Not Provided	36.52	62	N/A	

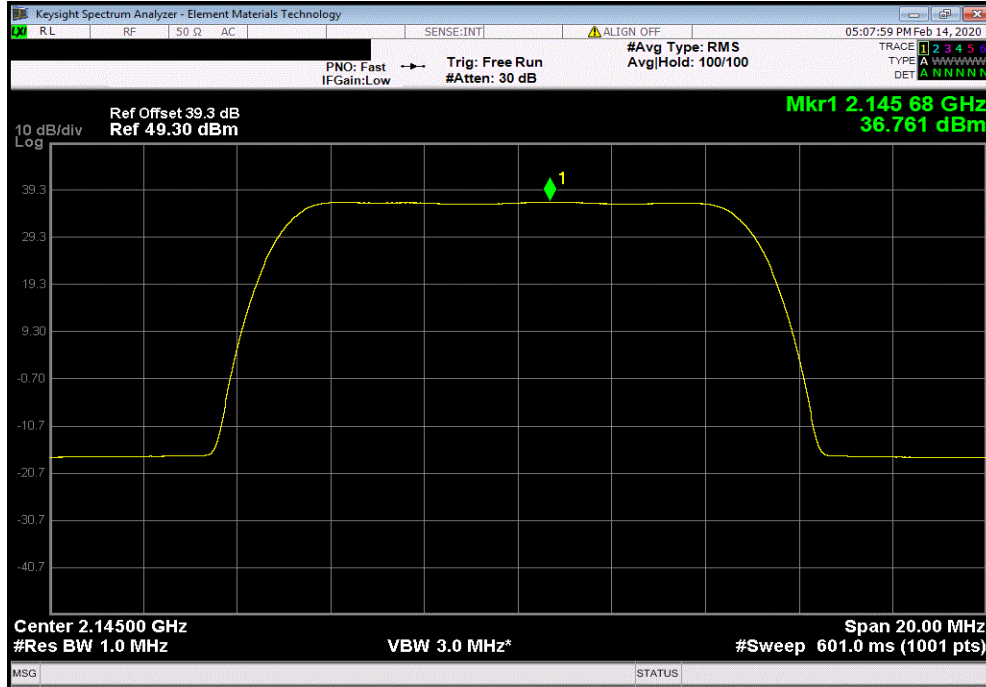


POWER SPECTRAL DENSITY BAND 66a

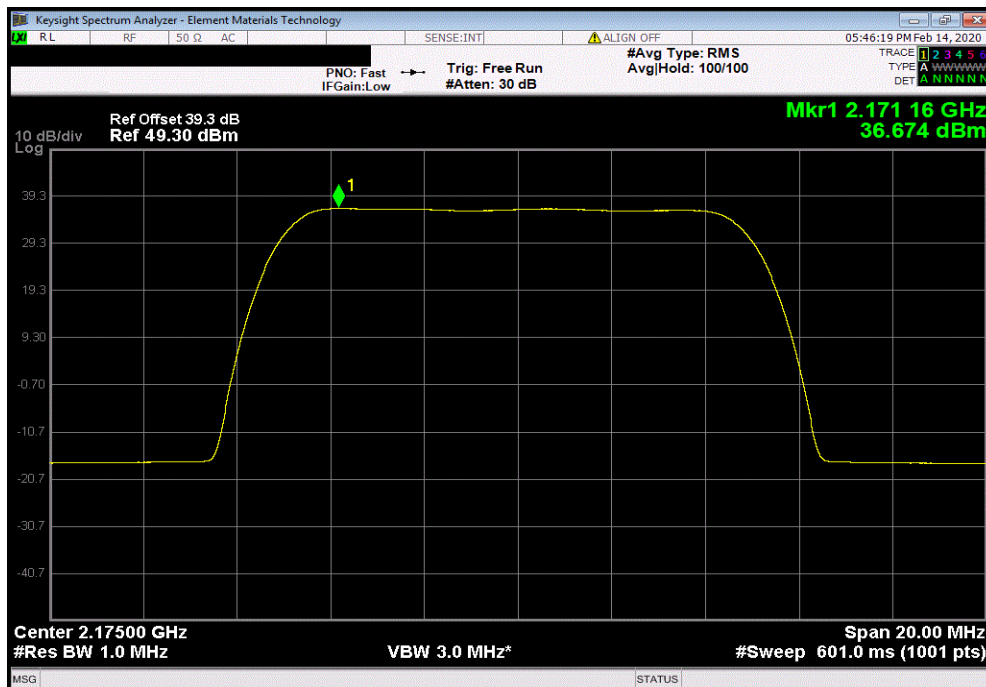


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 10 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.761	0	Not Provided	36.76	62	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 10 MHz, High Channel, 2175 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
36.674	0	Not Provided	36.67	62	N/A	

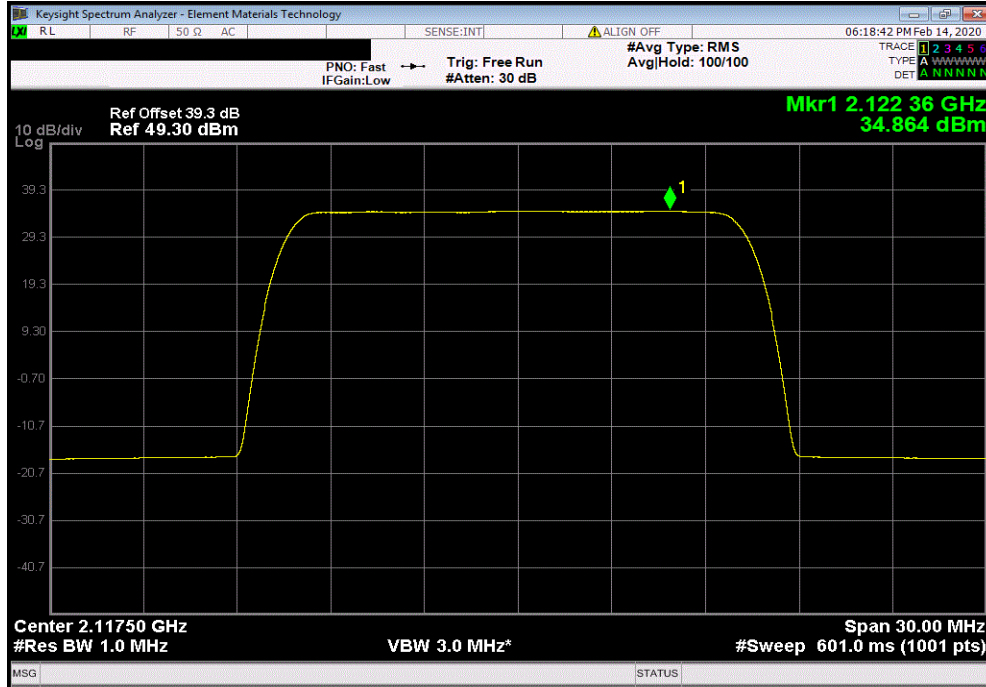


POWER SPECTRAL DENSITY BAND 66a

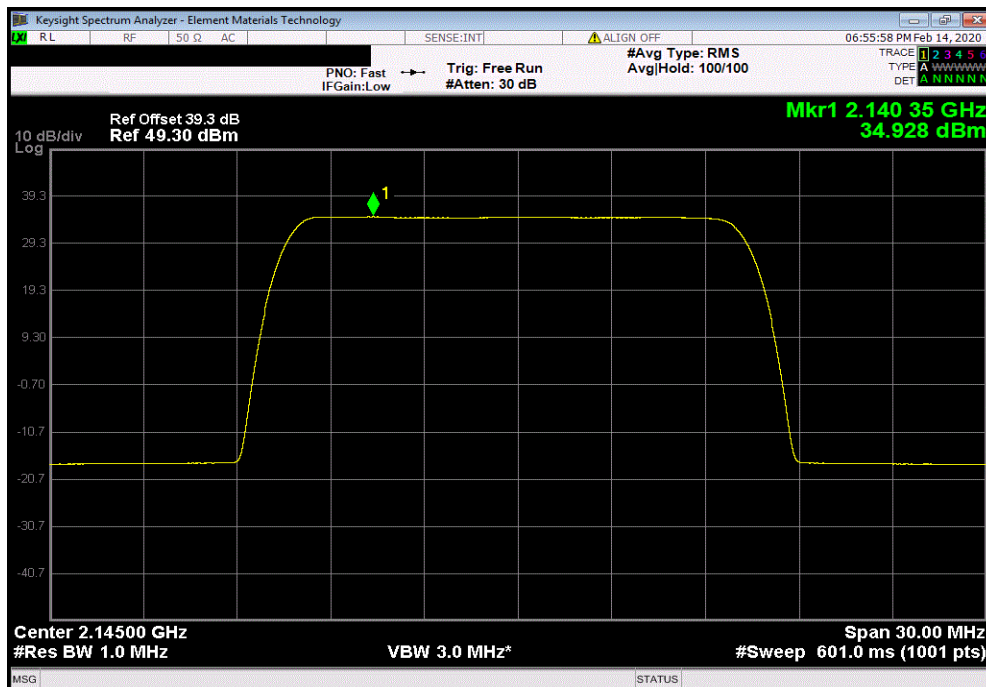


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 15 MHz, Low Channel, 2117.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.864	0	Not Provided	34.86	62	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 15 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.928	0	Not Provided	34.93	62	N/A	

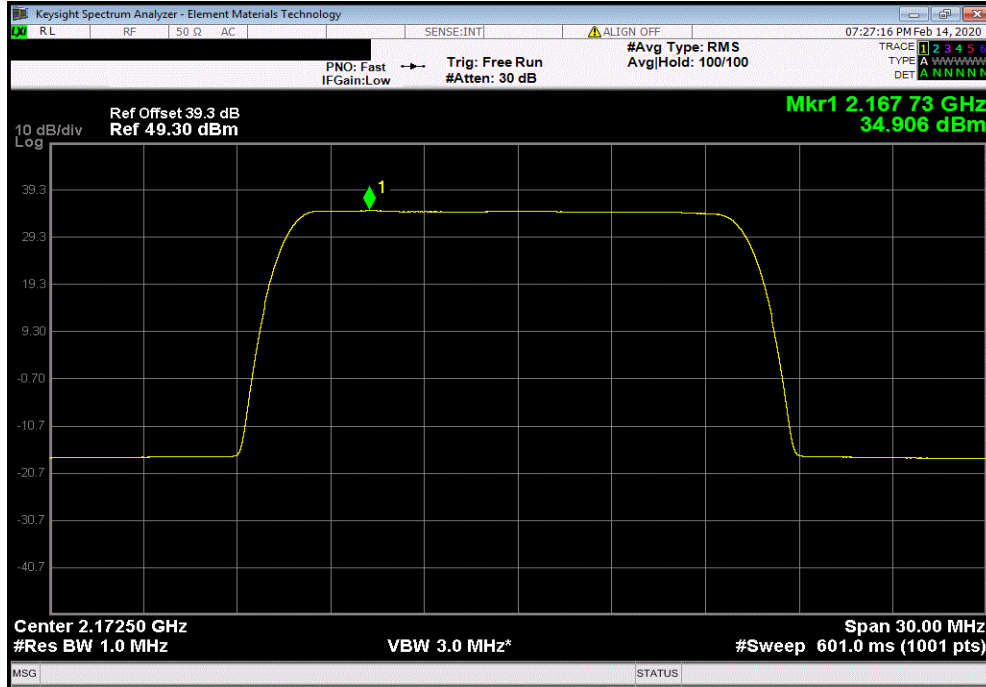


POWER SPECTRAL DENSITY BAND 66a

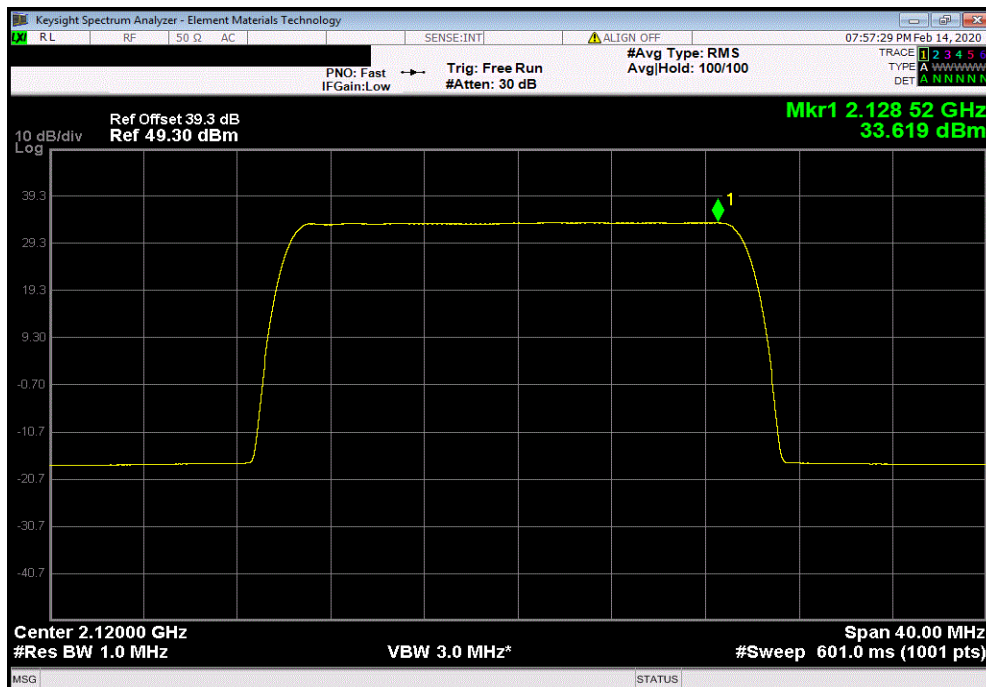


TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 15 MHz, High Channel, 2172.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
34.906	0	Not Provided	34.91	62	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 20 MHz, Low Channel, 2120 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.619	0	Not Provided	33.62	62	N/A	

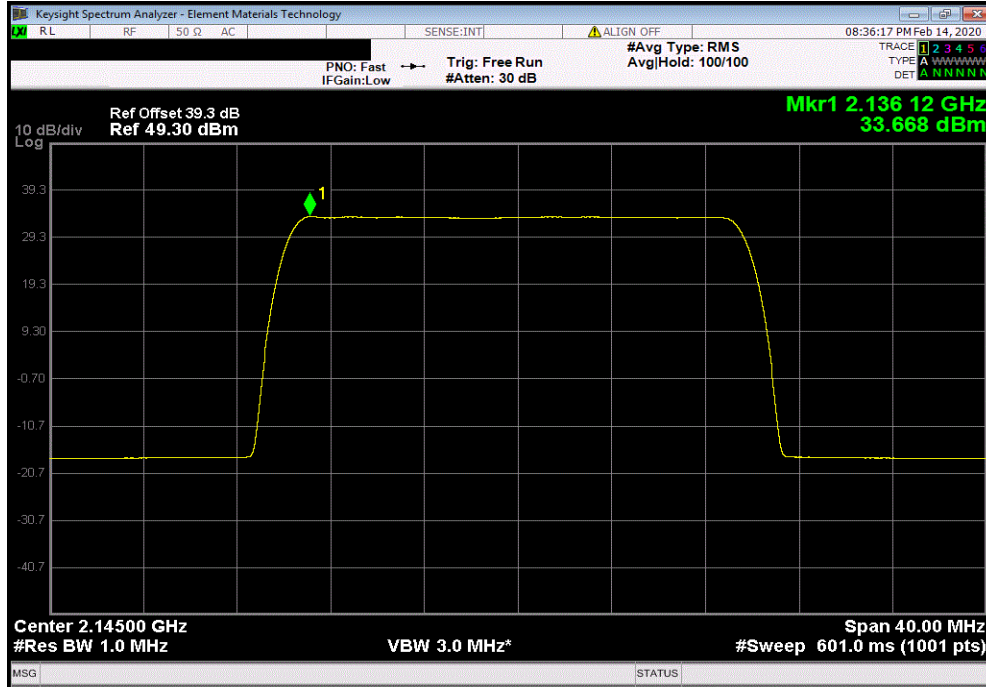


POWER SPECTRAL DENSITY BAND 66a



TSTx 2019.08.30.0 XMI 2019.09.05

Band 66a (Single Carrier) Port 4, 256-QAM, 20 MHz, Mid Channel, 2145 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.668	0	Not Provided	33.67	62	N/A	



Band 66a (Single Carrier) Port 4, 256-QAM, 20 MHz, High Channel, 2170 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit EIRP (dBm/MHz)	Results	
33.664	0	Not Provided	33.66	62	N/A	

