

POWER SPECTRAL DENSITY BAND 25



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 part 24.232(a)(1), 24.232(a)(2) and RSS 133 6.4, the Equivalent Isotropically Radiated Power (EIRP) of the transceiver cannot exceed 1640 Watts/MHz.

POWER SPECTRAL DENSITY BAND 25



TWTx 2019.08.30.0 XM1 2019.08.05

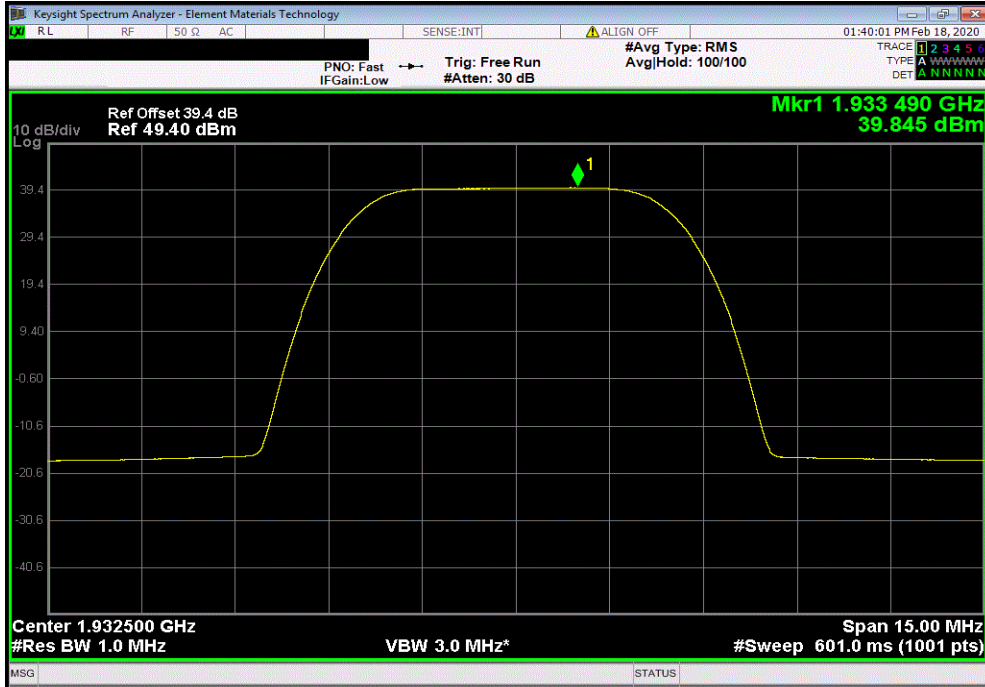
EUT:	AHFIA			Work Order:		NOKI0008			
Serial Number:	K9174623559			Date:		18-Feb-20			
Customer:	Nokia of America Corporation			Temperature:		22.1 °C			
Attendees:	Mitch Hill, John Rattanavong			Humidity:		25% RH			
Project:	None			Barometric Pres.:		1033 mbar			
Tested by:	Brandon Hobbs		Power:	54VDC		Job Site: TX09			
TEST SPECIFICATIONS				Test Method					
FCC 24E:2020				ANSI C63.26:2015					
RSS-132:2013				RSS-132:2013					
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, filterers 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								
				Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results
Band 25 (Single Carrier) Port 4									
QPSK									
5 MHz									
				39.845	0	Not Provided	39.8	62	N/A
				39.837	0	Not Provided	39.8	62	N/A
				39.924	0	Not Provided	39.9	62	N/A
10 MHz									
				36.752	0	Not Provided	36.8	62	N/A
				36.636	0	Not Provided	36.6	62	N/A
				36.765	0	Not Provided	36.8	62	N/A
15 MHz									
				35.033	0	Not Provided	35.0	62	N/A
				34.88	0	Not Provided	34.9	62	N/A
				35.032	0	Not Provided	35.0	62	N/A
20 MHz									
				33.951	0	Not Provided	34.0	62	N/A
				33.763	0	Not Provided	33.8	62	N/A
				33.801	0	Not Provided	33.8	62	N/A
16-QAM									
5 MHz									
				40.082	0	Not Provided	40.1	62	N/A
				40.203	0	Not Provided	40.2	62	N/A
				40.284	0	Not Provided	40.3	62	N/A
10 MHz									
				37.466	0	Not Provided	37.5	62	N/A
				37.28	0	Not Provided	37.3	62	N/A
				37.418	0	Not Provided	37.4	62	N/A
15 MHz									
				36.494	0	Not Provided	36.5	62	N/A
				36.377	0	Not Provided	36.4	62	N/A
				36.619	0	Not Provided	36.6	62	N/A
20 MHz									
				35.489	0	Not Provided	35.5	62	N/A
				35.334	0	Not Provided	35.3	62	N/A
				35.43	0	Not Provided	35.4	62	N/A
64-QAM									
5 MHz									
				39.786	0	Not Provided	39.8	62	N/A
				39.85	0	Not Provided	39.9	62	N/A
				39.971	0	Not Provided	40.0	62	N/A
10 MHz									
				37.048	0	Not Provided	37.0	62	N/A
				36.837	0	Not Provided	36.8	62	N/A
				36.868	0	Not Provided	36.9	62	N/A
15 MHz									
				35.121	0	Not Provided	35.1	62	N/A
				34.916	0	Not Provided	34.9	62	N/A
				35.134	0	Not Provided	35.1	62	N/A
20 MHz									
				33.911	0	Not Provided	33.9	62	N/A
				33.829	0	Not Provided	33.8	62	N/A
				34.013	0	Not Provided	34.0	62	N/A
256-QAM									
5 MHz									
				39.816	0	Not Provided	39.8	62	N/A
				39.882	0	Not Provided	39.9	62	N/A
				39.942	0	Not Provided	39.9	62	N/A
10 MHz									
				36.948	0	Not Provided	36.9	62	N/A
				36.76	0	Not Provided	36.8	62	N/A
				36.885	0	Not Provided	36.9	62	N/A
15 MHz									
				35.067	0	Not Provided	35.1	62	N/A
				34.886	0	Not Provided	34.9	62	N/A
				35.16	0	Not Provided	35.2	62	N/A
20 MHz									
				33.918	0	Not Provided	33.9	62	N/A
				33.752	0	Not Provided	33.8	62	N/A
				33.893	0	Not Provided	33.9	62	N/A

POWER SPECTRAL DENSITY BAND 25

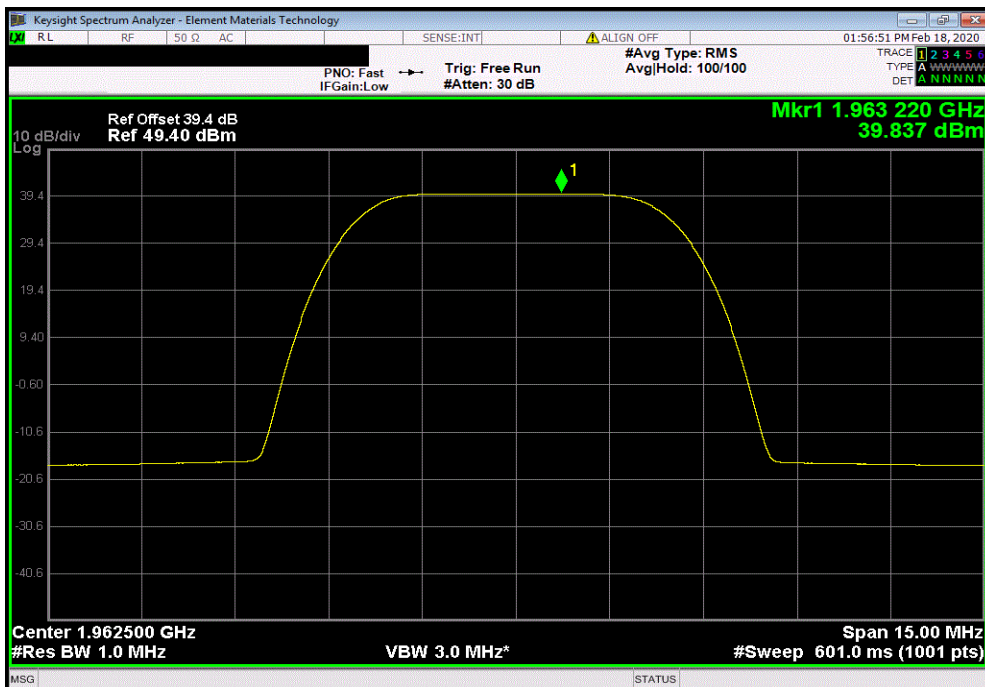


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, QPSK, 5 MHz, Low Channel, 1932.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.845	0	Not Provided	39.85	62	N/A	



Band 25 (Single Carrier) Port 4, QPSK, 5 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.837	0	Not Provided	39.84	62	N/A	

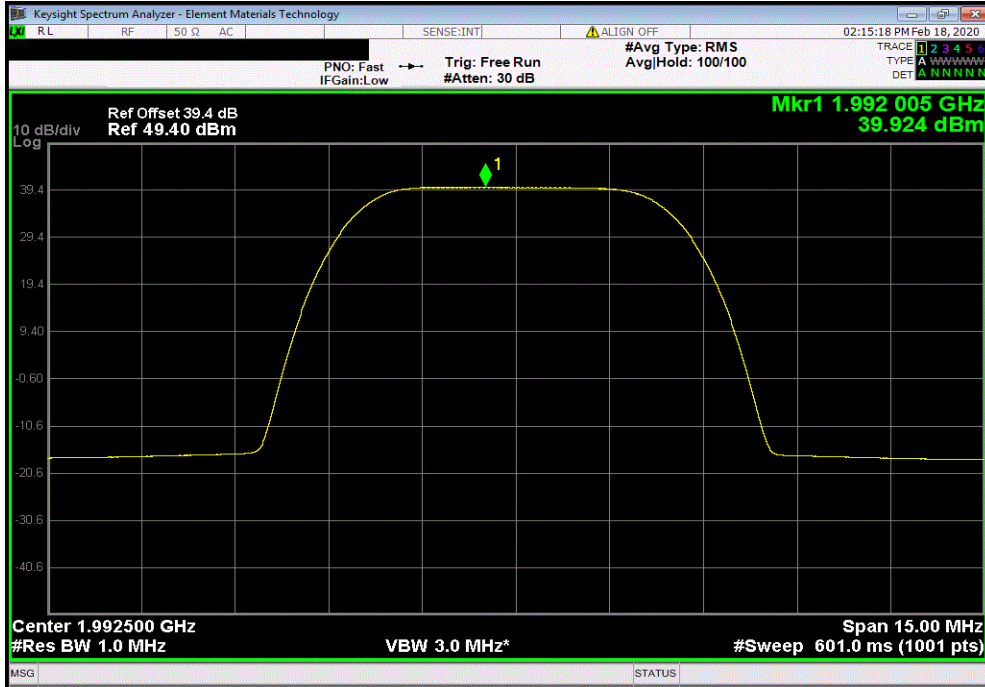


POWER SPECTRAL DENSITY BAND 25

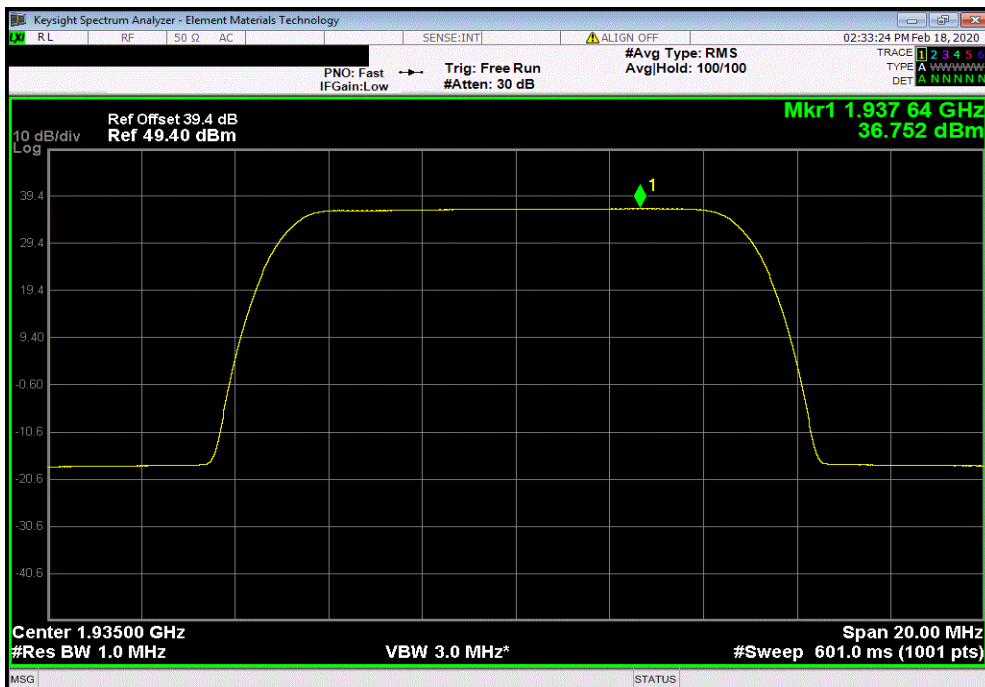


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, QPSK, 5 MHz, High Channel, 1992.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.924	0	Not Provided	39.92	62	N/A	



Band 25 (Single Carrier) Port 4, QPSK, 10 MHz, Low Channel, 1935 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.752	0	Not Provided	36.75	62	N/A	

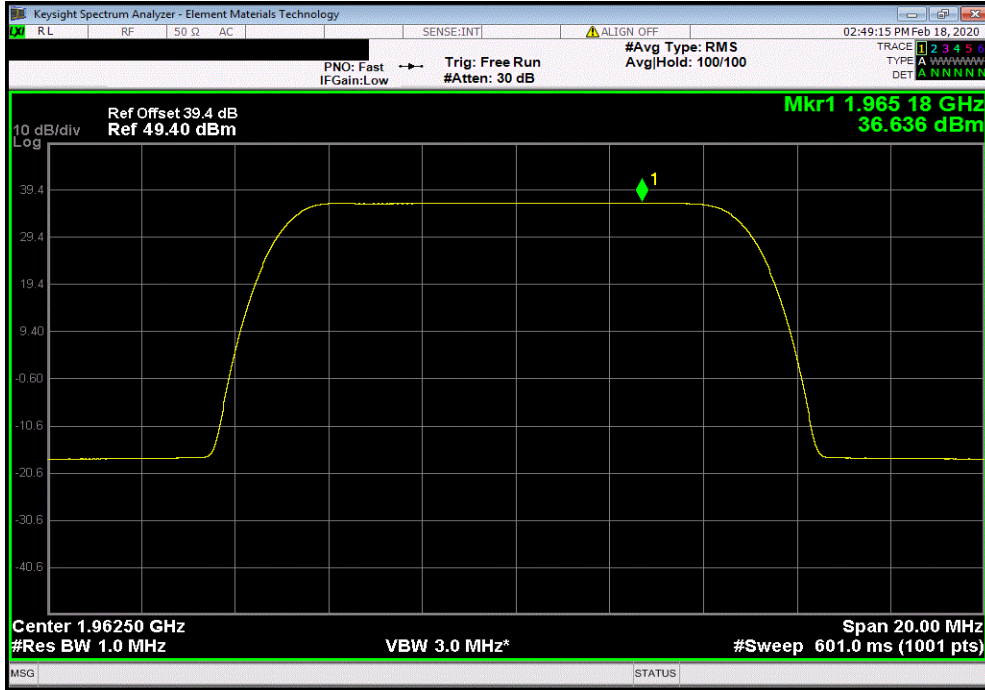


POWER SPECTRAL DENSITY BAND 25

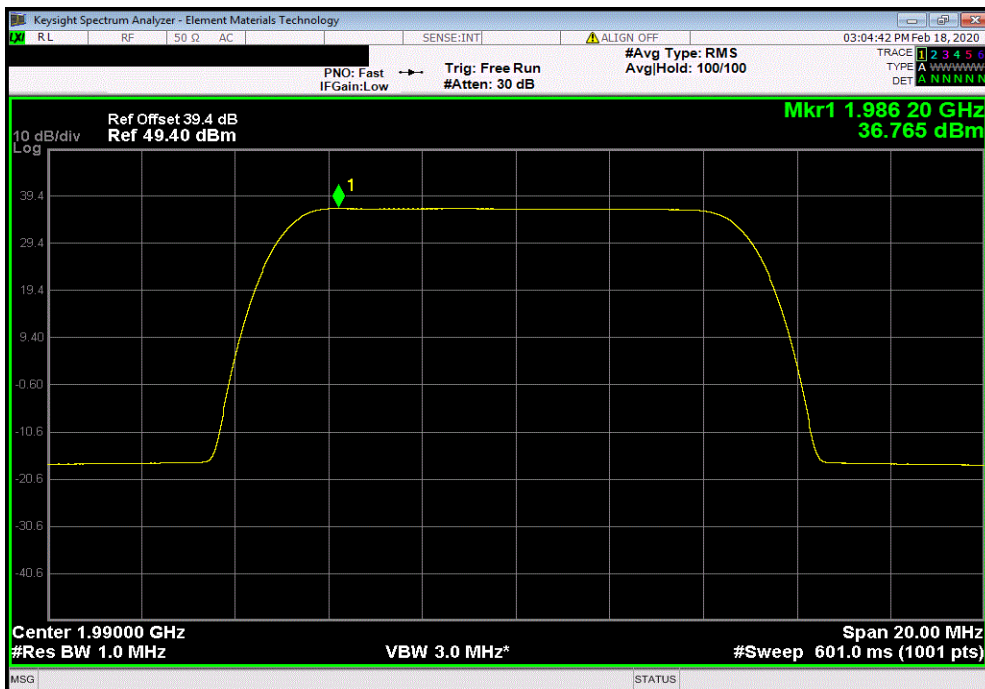


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, QPSK, 10 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.636	0	Not Provided	36.64	62	N/A	



Band 25 (Single Carrier) Port 4, QPSK, 10 MHz, High Channel, 1990 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.765	0	Not Provided	36.77	62	N/A	

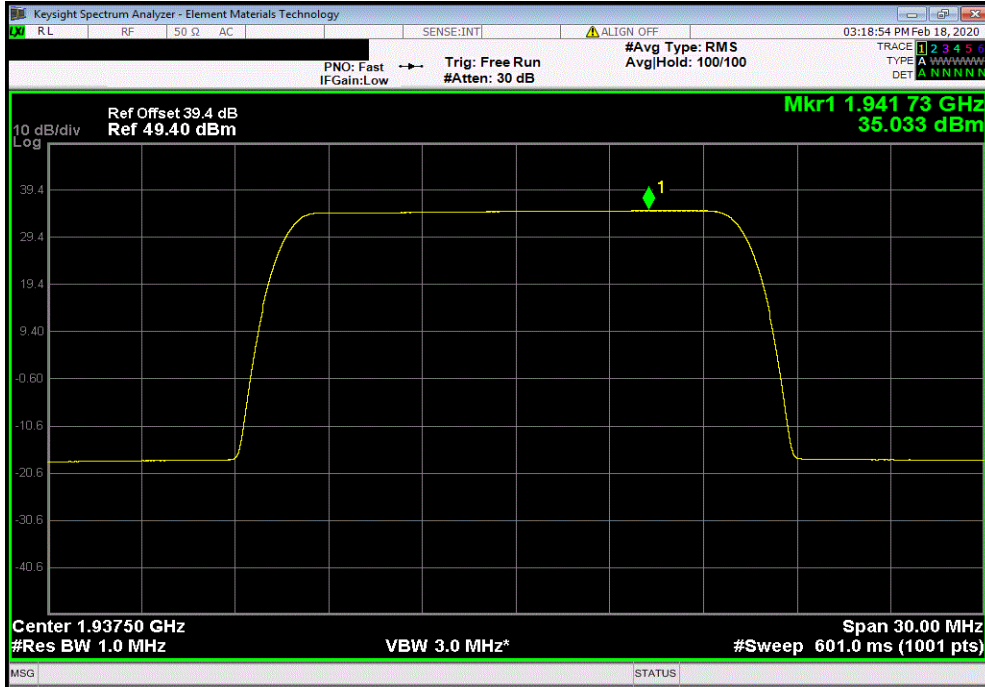


POWER SPECTRAL DENSITY BAND 25

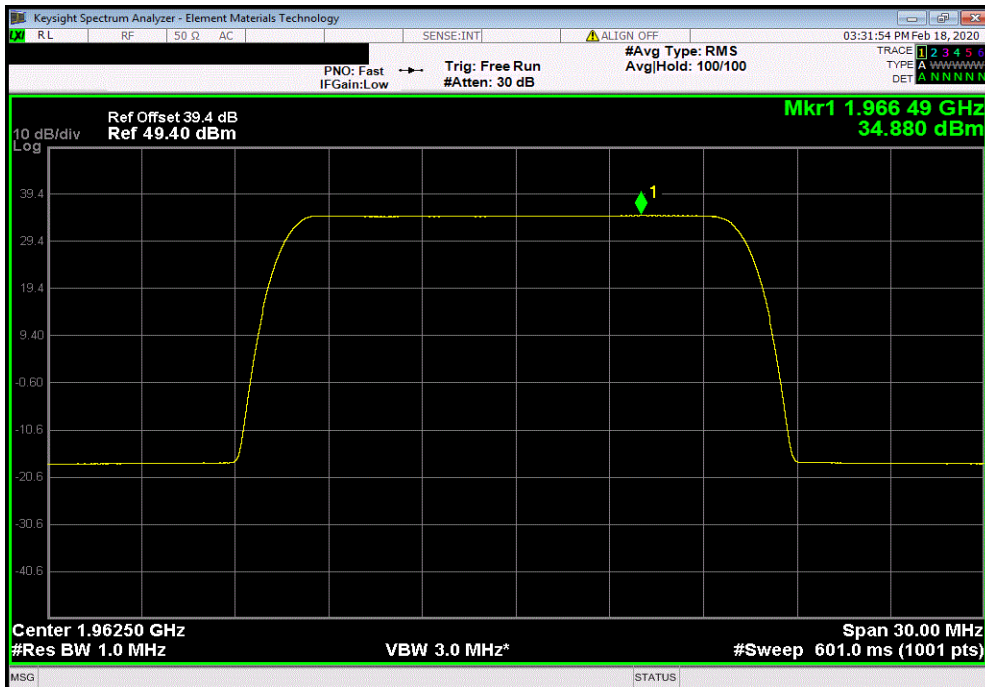


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, QPSK, 15 MHz, Low Channel, 1937.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.033	0	Not Provided	35.03	62	N/A	



Band 25 (Single Carrier) Port 4, QPSK, 15 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
34.88	0	Not Provided	34.88	62	N/A	

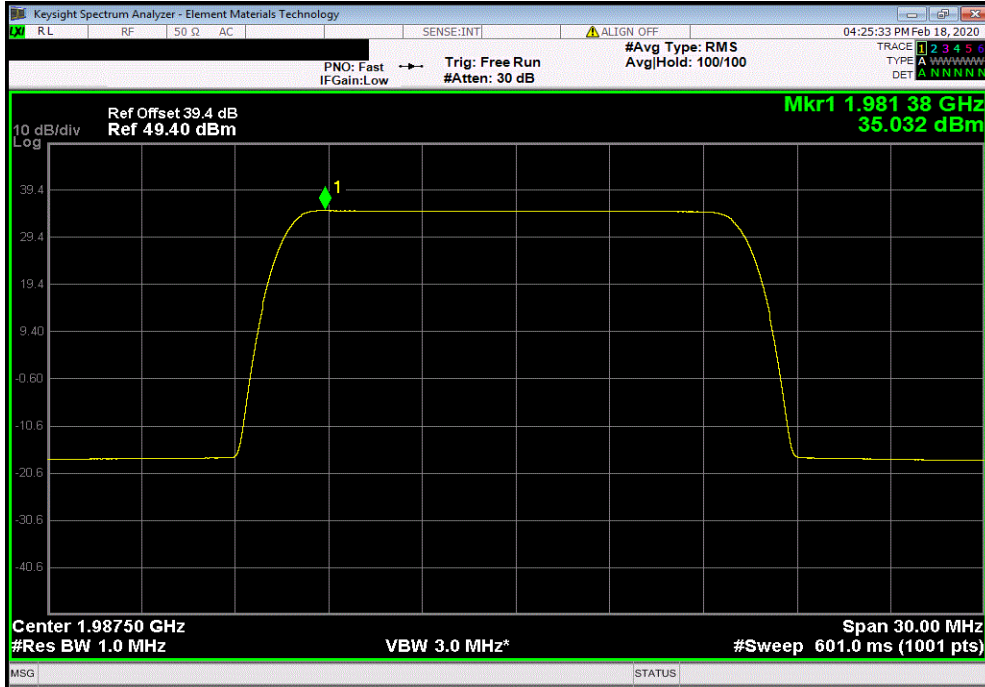


POWER SPECTRAL DENSITY BAND 25

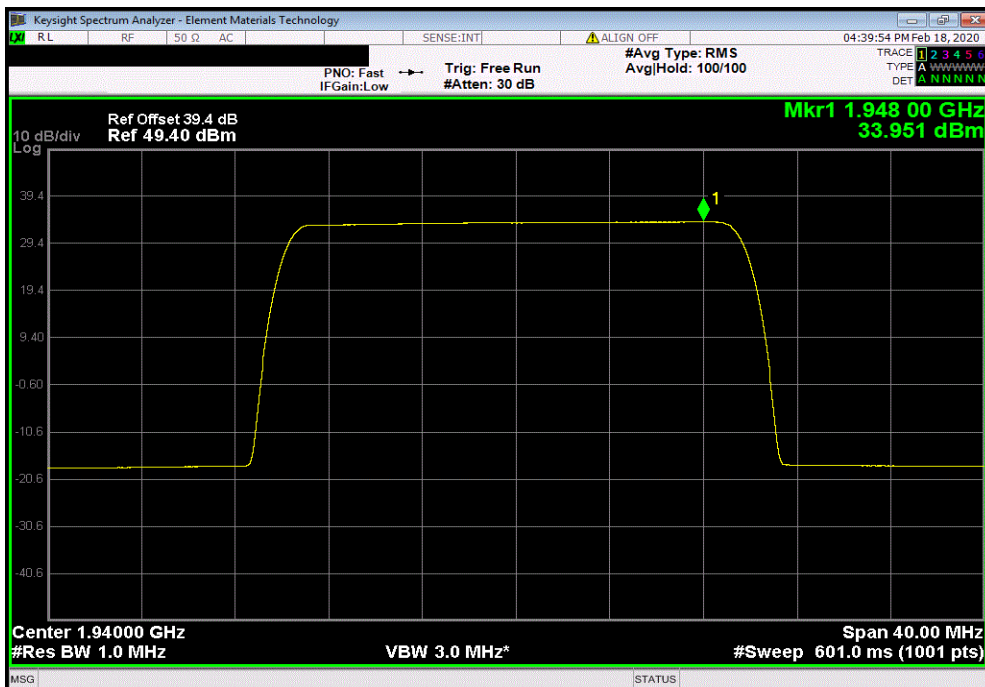


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, QPSK, 15 MHz, High Channel, 1987.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.032	0	Not Provided	35.03	62	N/A	



Band 25 (Single Carrier) Port 4, QPSK, 20 MHz, Low Channel, 1940 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
33.951	0	Not Provided	33.95	62	N/A	

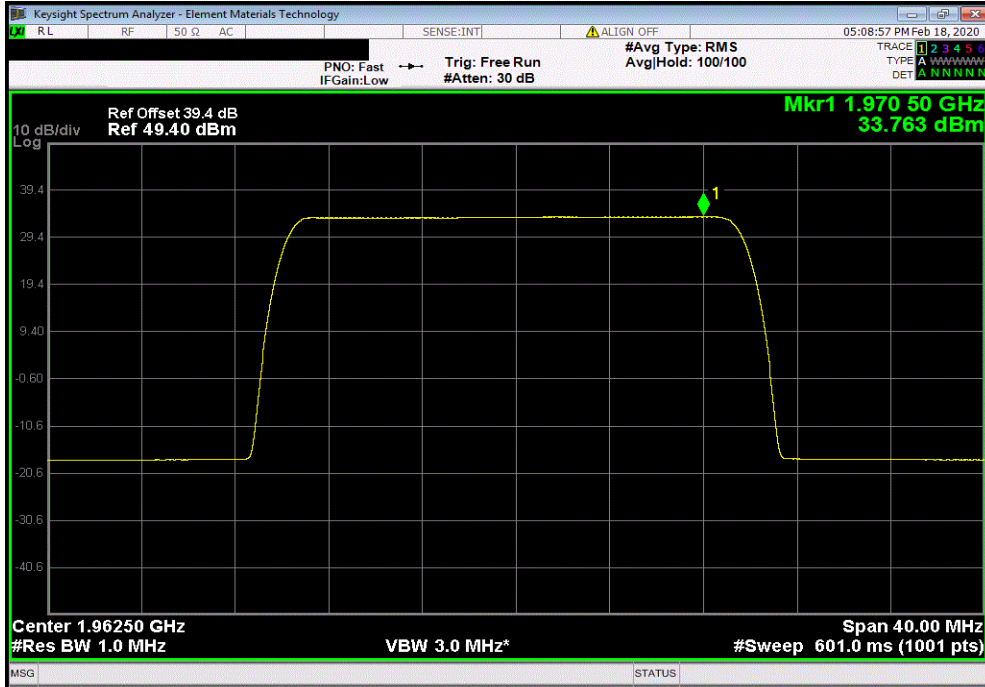


POWER SPECTRAL DENSITY BAND 25

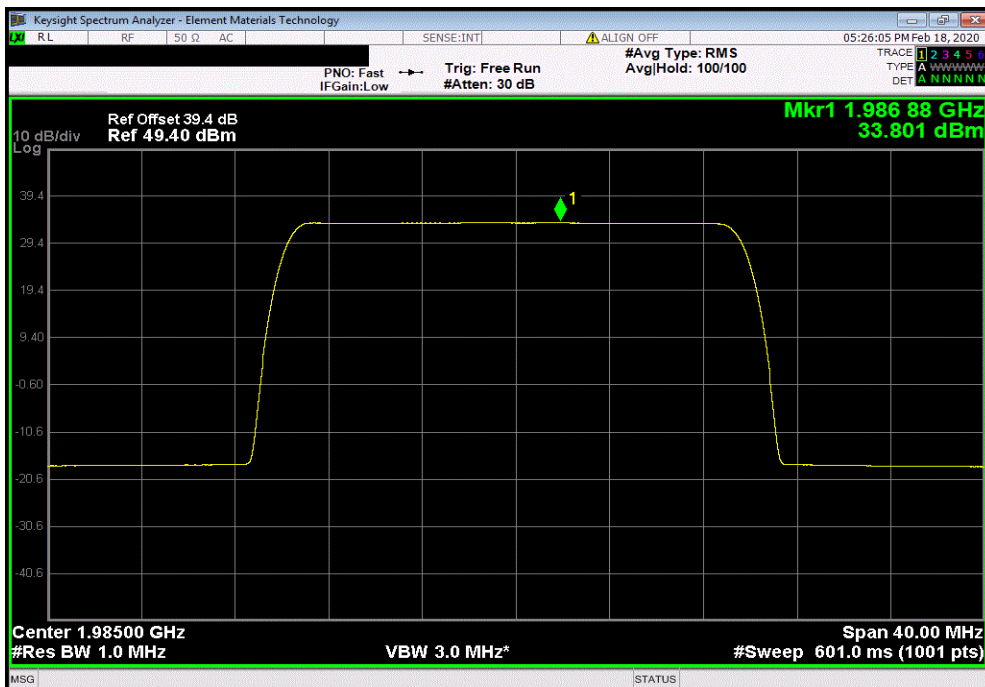


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, QPSK, 20 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
33.763	0	Not Provided	33.76	62	N/A	



Band 25 (Single Carrier) Port 4, QPSK, 20 MHz, High Channel, 1985 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
33.801	0	Not Provided	33.80	62	N/A	

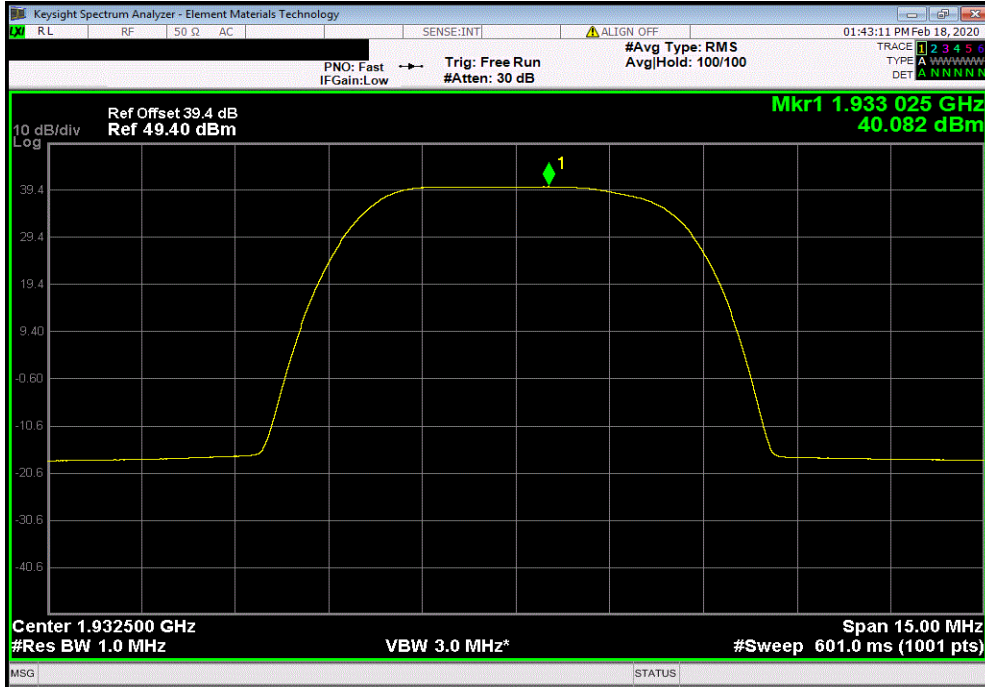


POWER SPECTRAL DENSITY BAND 25

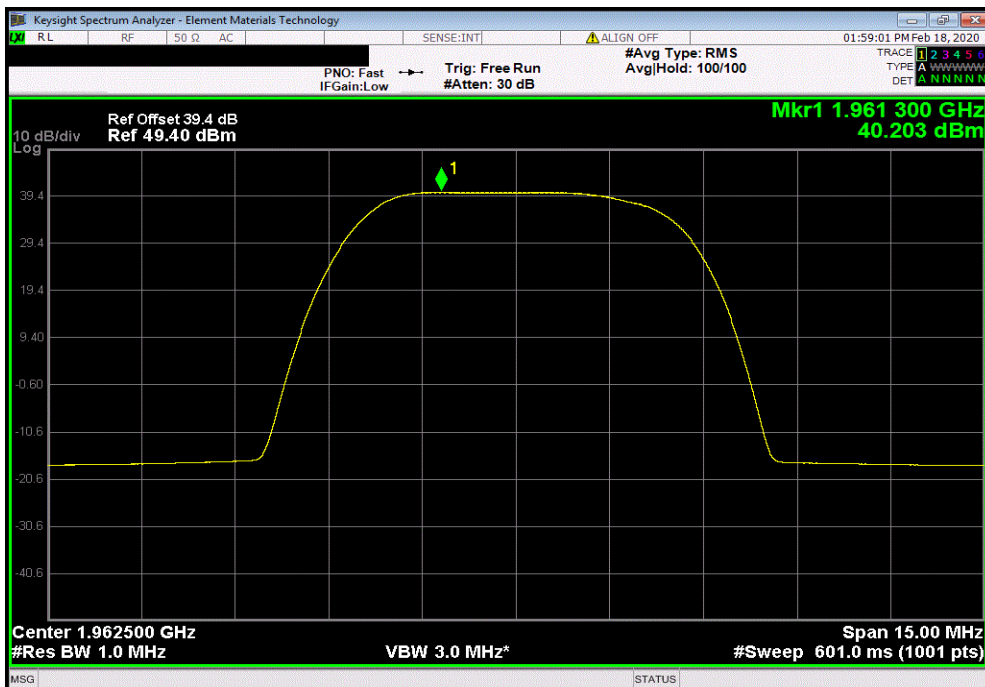


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 16-QAM, 5 MHz, Low Channel, 1932.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
40.082	0	Not Provided	40.08	62	N/A	



Band 25 (Single Carrier) Port 4, 16-QAM, 5 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
40.203	0	Not Provided	40.20	62	N/A	

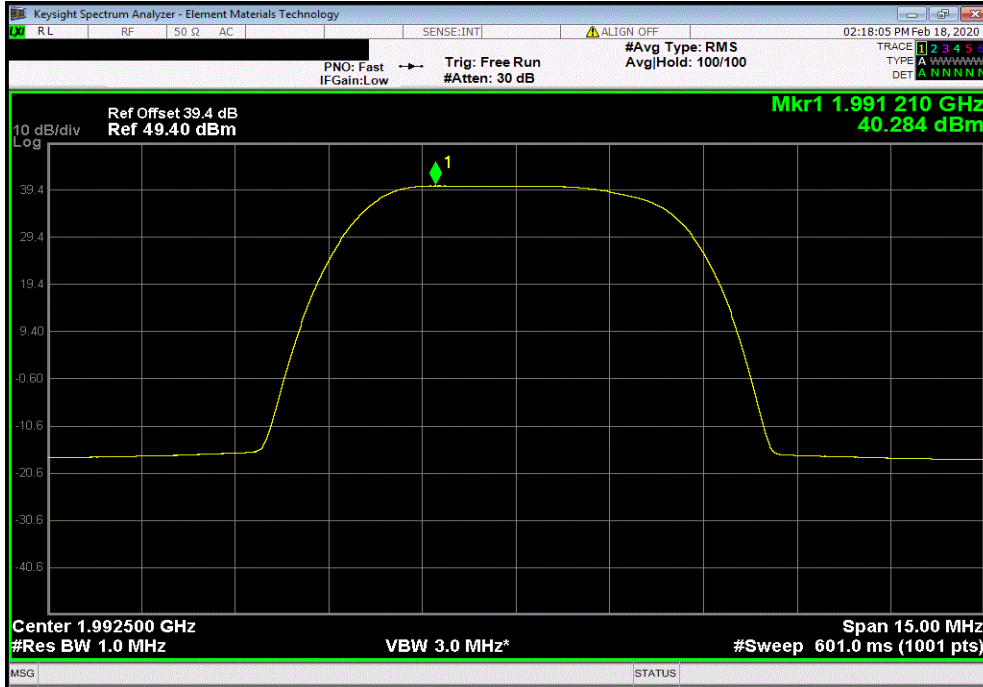


POWER SPECTRAL DENSITY BAND 25

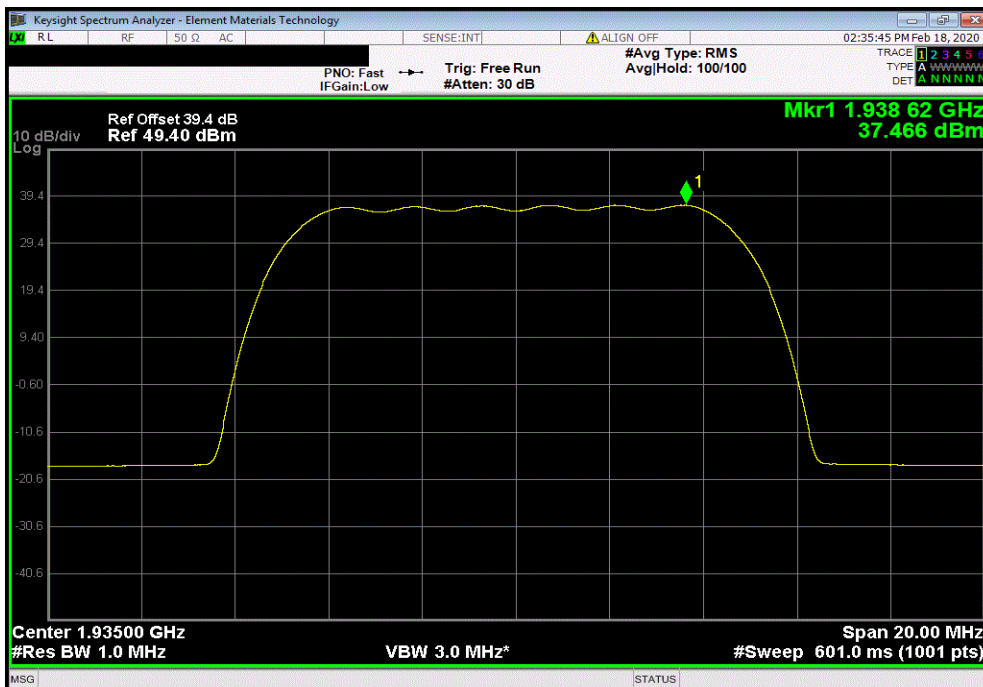


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 16-QAM, 5 MHz, High Channel, 1992.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
40.284	0	Not Provided	40.28	62	N/A	



Band 25 (Single Carrier) Port 4, 16-QAM, 10 MHz, Low Channel, 1935 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
37.466	0	Not Provided	37.47	62	N/A	

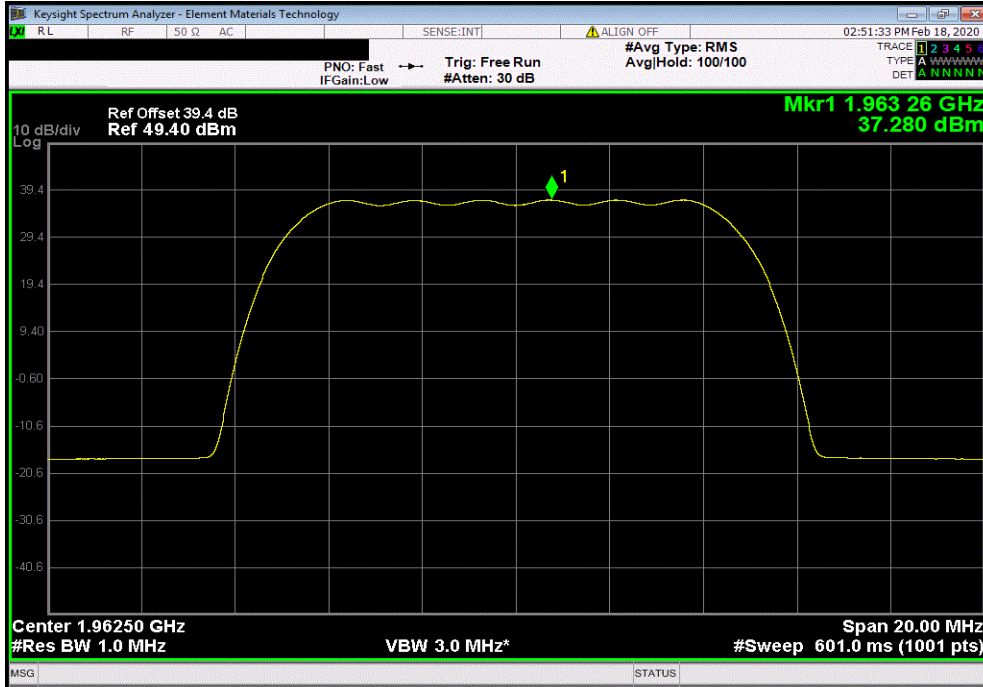


POWER SPECTRAL DENSITY BAND 25

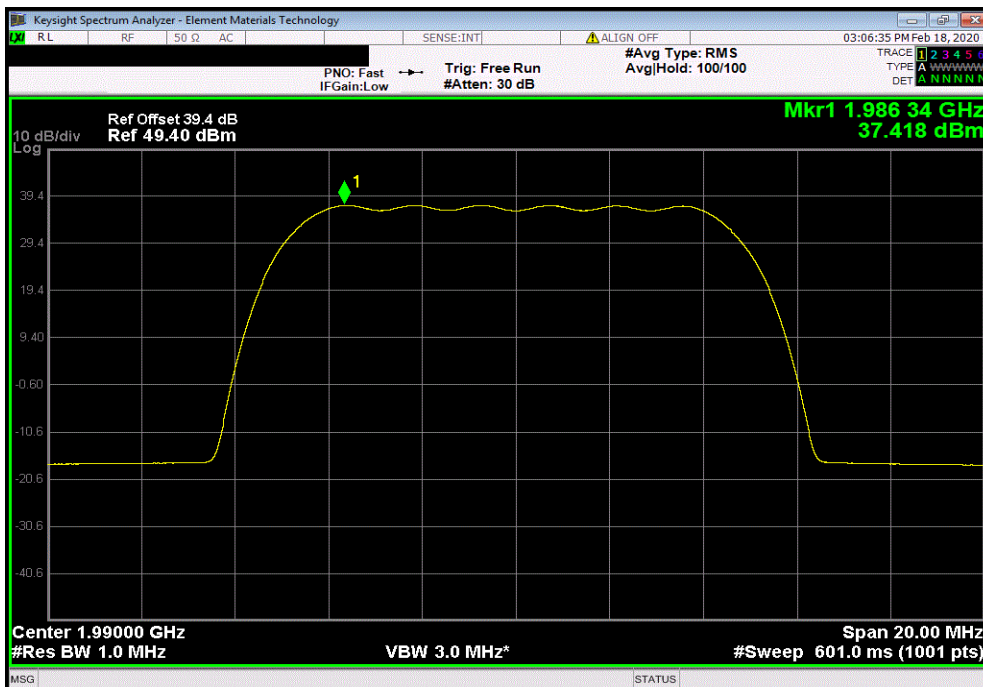


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 16-QAM, 10 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
37.28	0	Not Provided	37.28	62	N/A	



Band 25 (Single Carrier) Port 4, 16-QAM, 10 MHz, High Channel, 1990 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
37.418	0	Not Provided	37.42	62	N/A	

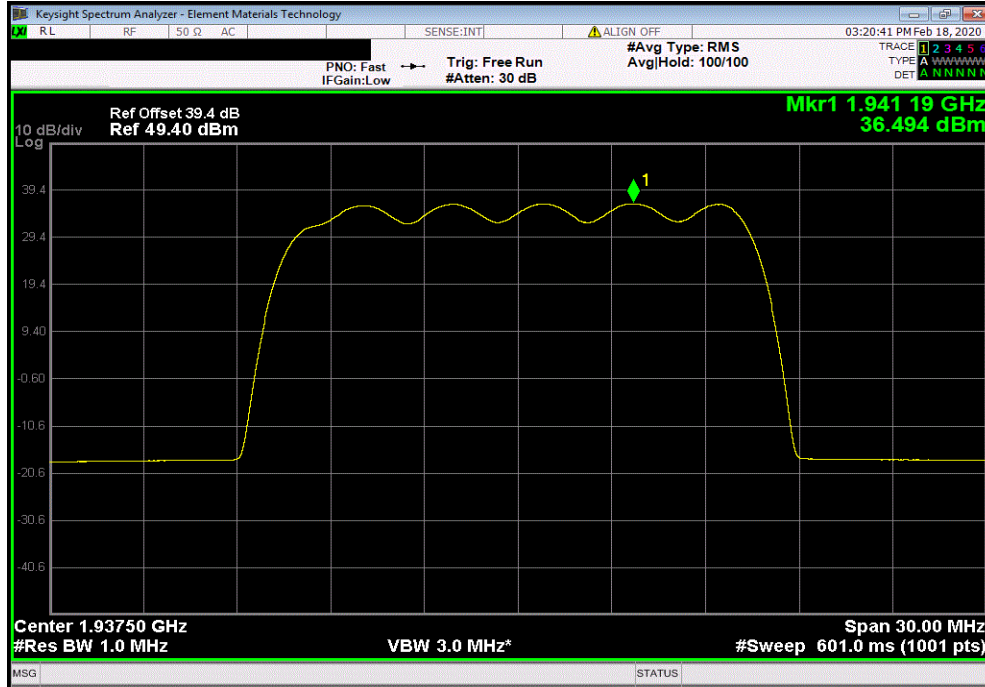


POWER SPECTRAL DENSITY BAND 25

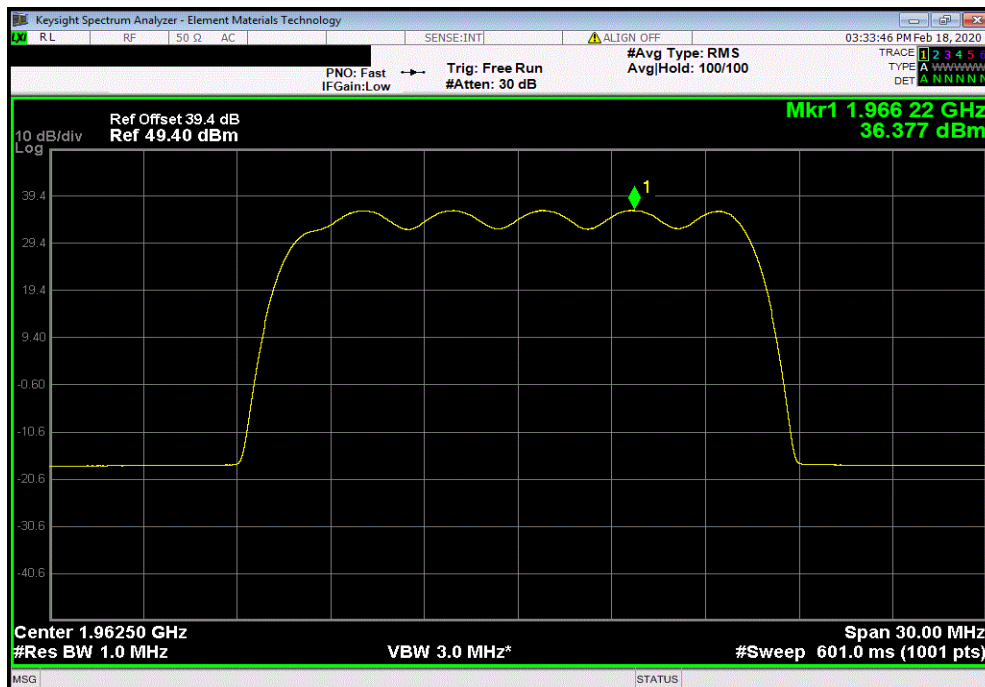


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 16-QAM, 15 MHz, Low Channel, 1937.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.494	0	Not Provided	36.49	62	N/A	



Band 25 (Single Carrier) Port 4, 16-QAM, 15 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.377	0	Not Provided	36.38	62	N/A	

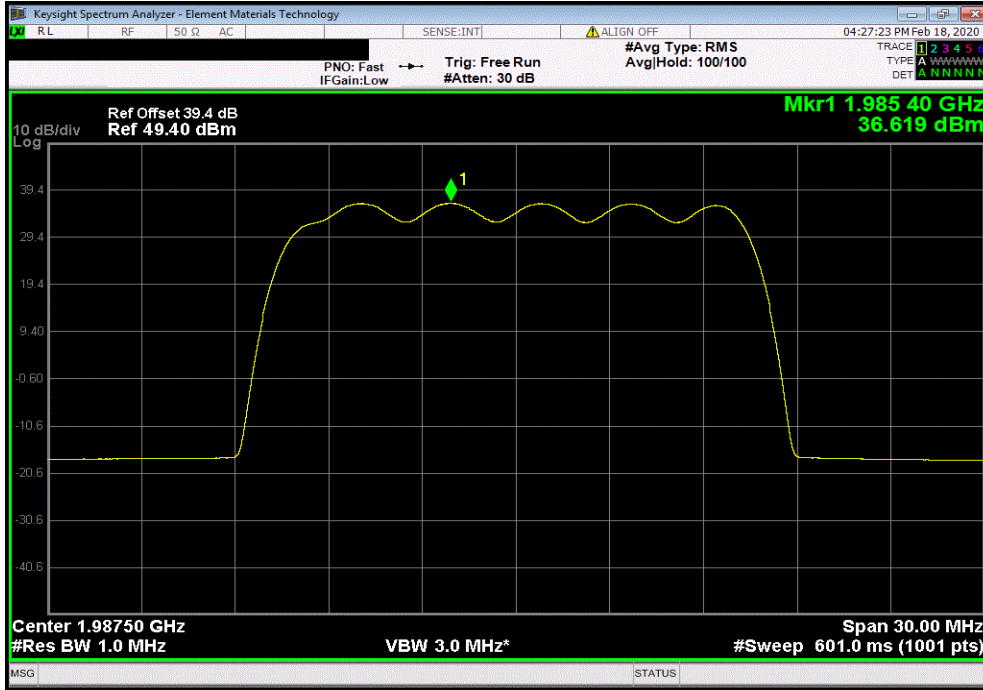


POWER SPECTRAL DENSITY BAND 25

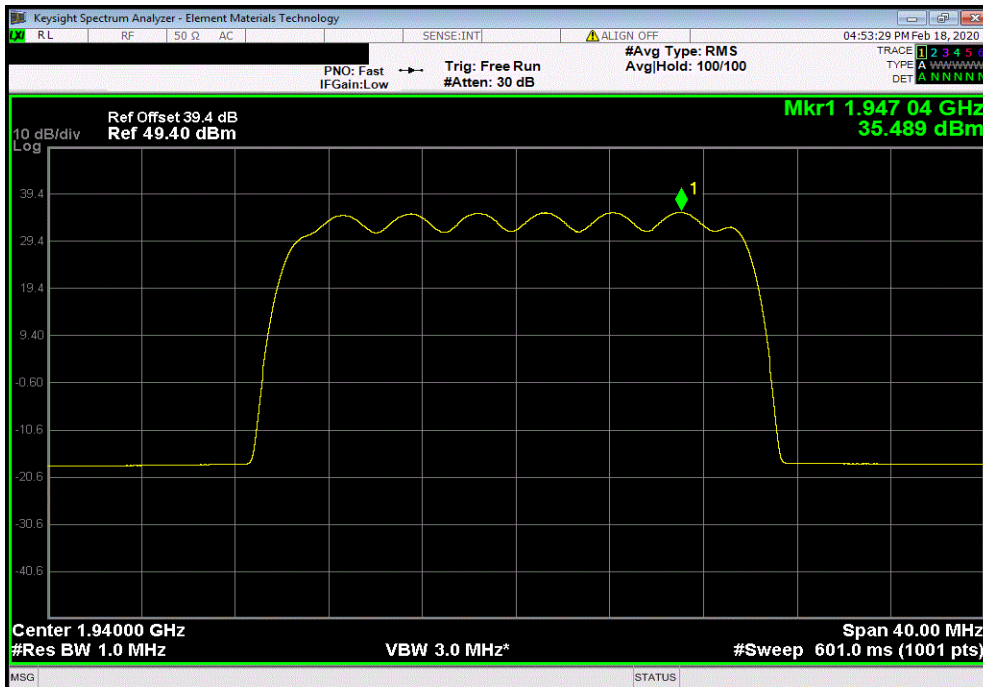


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 16-QAM, 15 MHz, High Channel, 1987.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.619	0	Not Provided	36.62	62	N/A	



Band 25 (Single Carrier) Port 4, 16-QAM, 20 MHz, Low Channel, 1940 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.489	0	Not Provided	35.49	62	N/A	

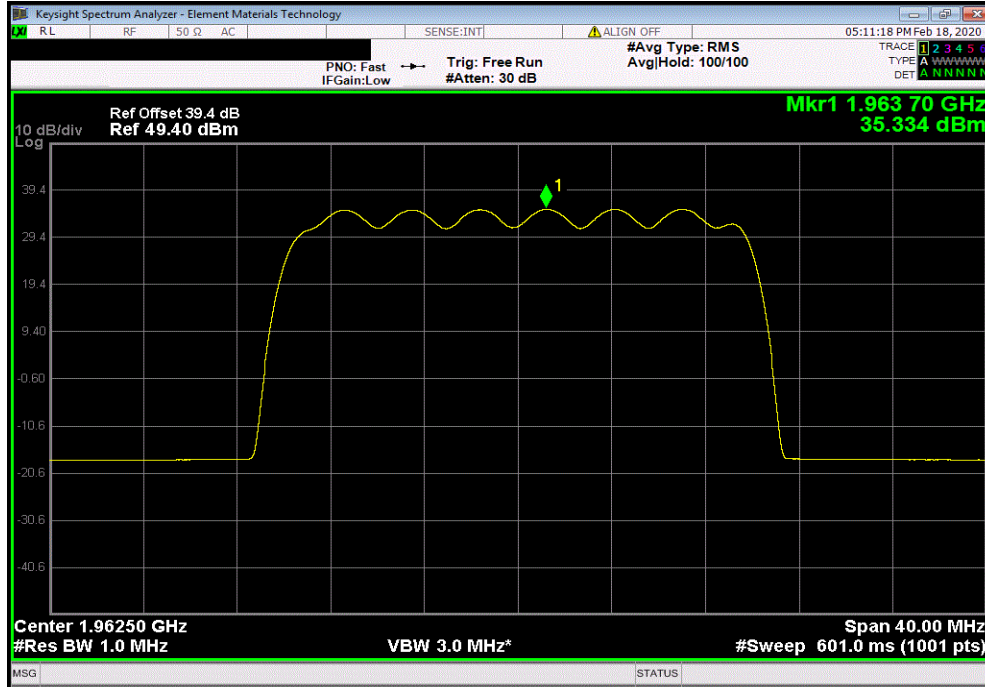


POWER SPECTRAL DENSITY BAND 25

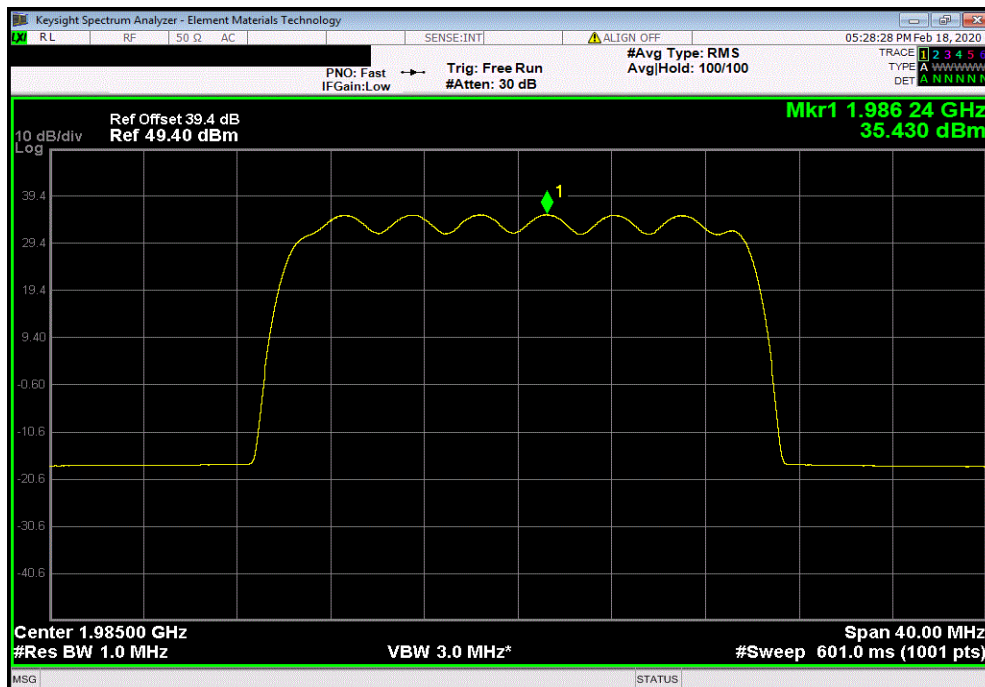


TbTx 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 16-QAM, 20 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.334	0	Not Provided	35.33	62	N/A	



Band 25 (Single Carrier) Port 4, 16-QAM, 20 MHz, High Channel, 1985 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.43	0	Not Provided	35.43	62	N/A	

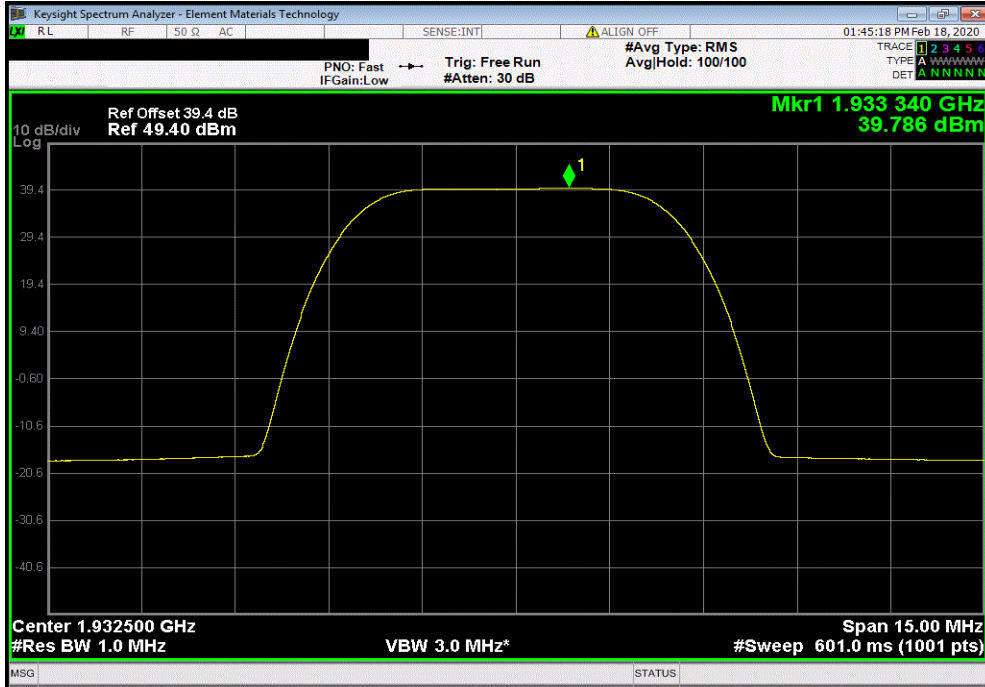


POWER SPECTRAL DENSITY BAND 25

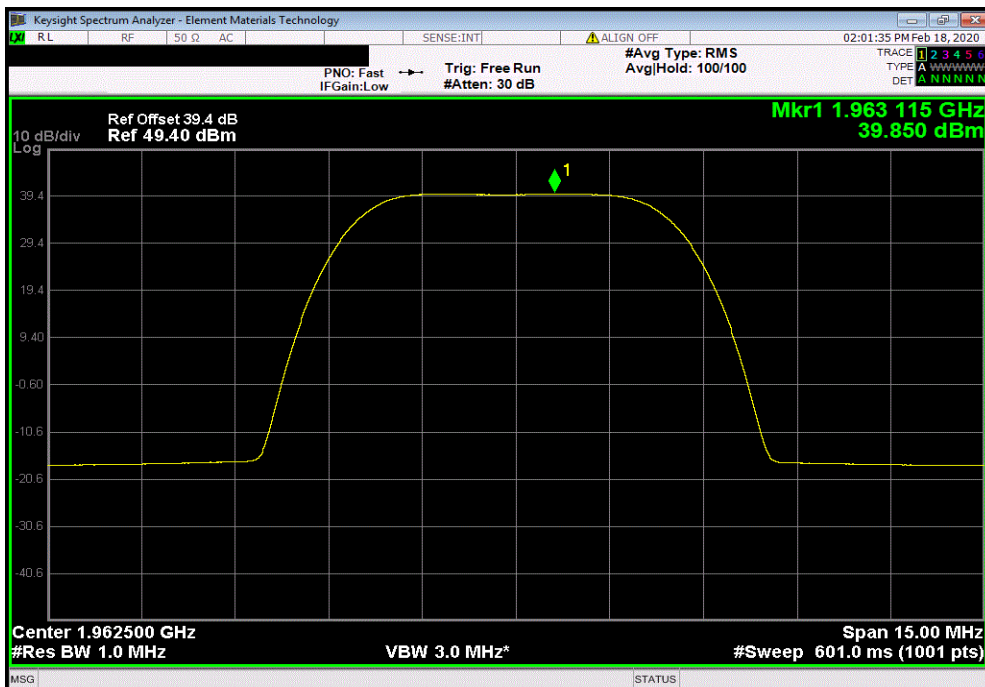


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 64-QAM, 5 MHz, Low Channel, 1932.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.786	0	Not Provided	39.79	62	N/A	



Band 25 (Single Carrier) Port 4, 64-QAM, 5 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.85	0	Not Provided	39.85	62	N/A	

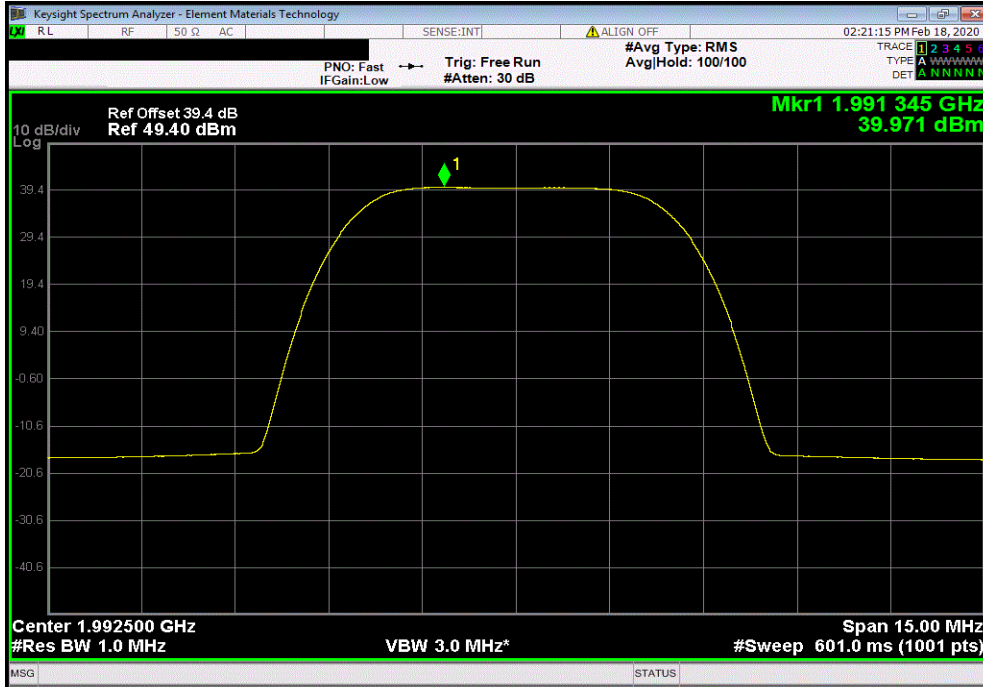


POWER SPECTRAL DENSITY BAND 25

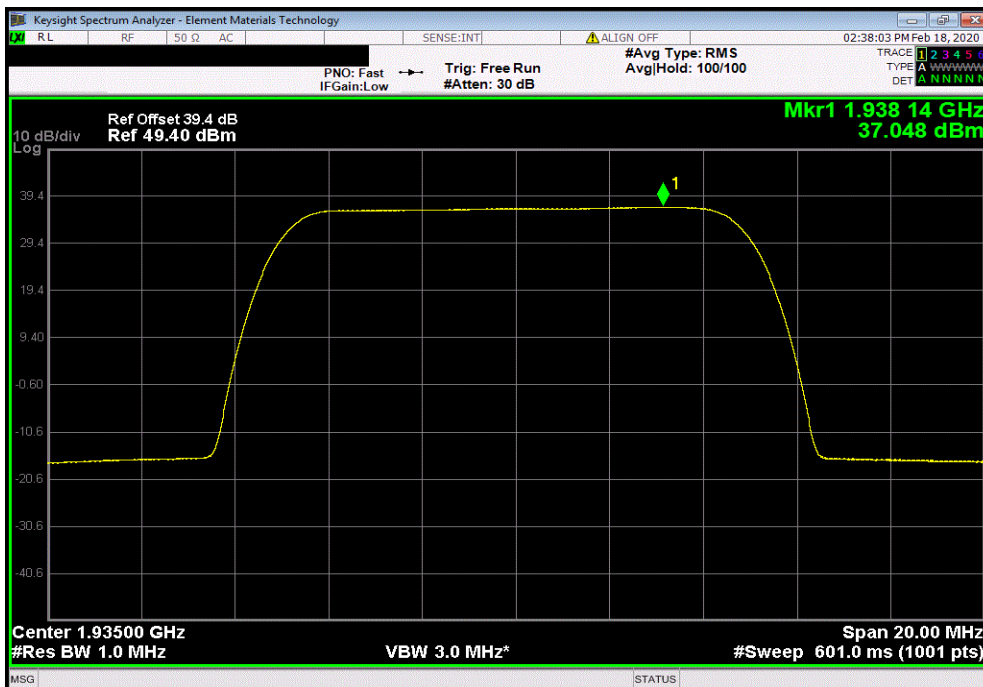


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 64-QAM, 5 MHz, High Channel, 1992.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.971	0	Not Provided	39.97	62	N/A	



Band 25 (Single Carrier) Port 4, 64-QAM, 10 MHz, Low Channel, 1935 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
37.048	0	Not Provided	37.05	62	N/A	

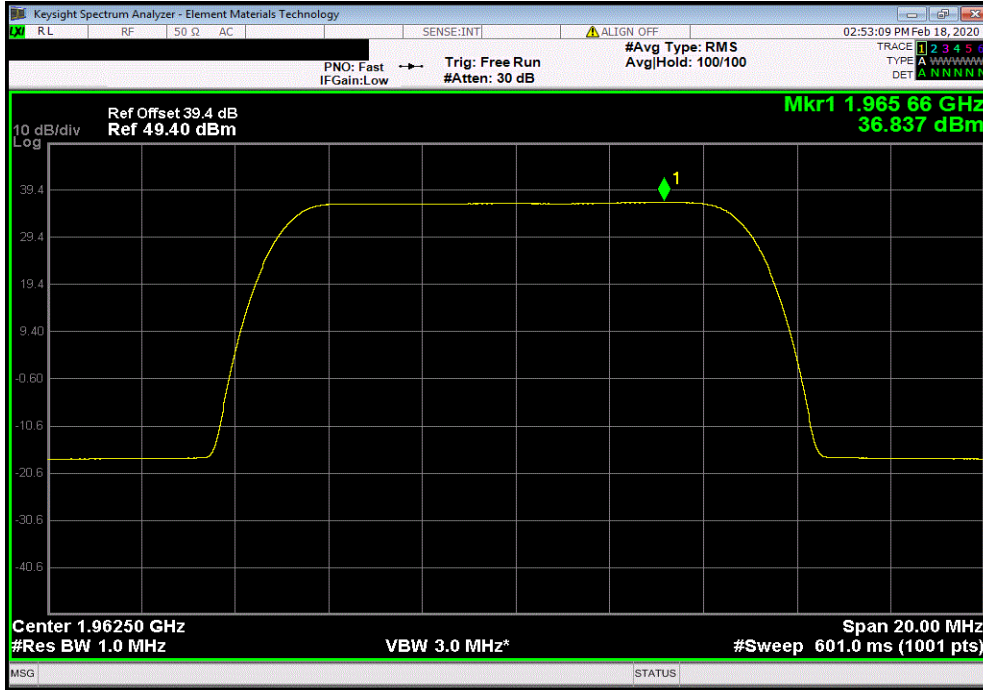


POWER SPECTRAL DENSITY BAND 25

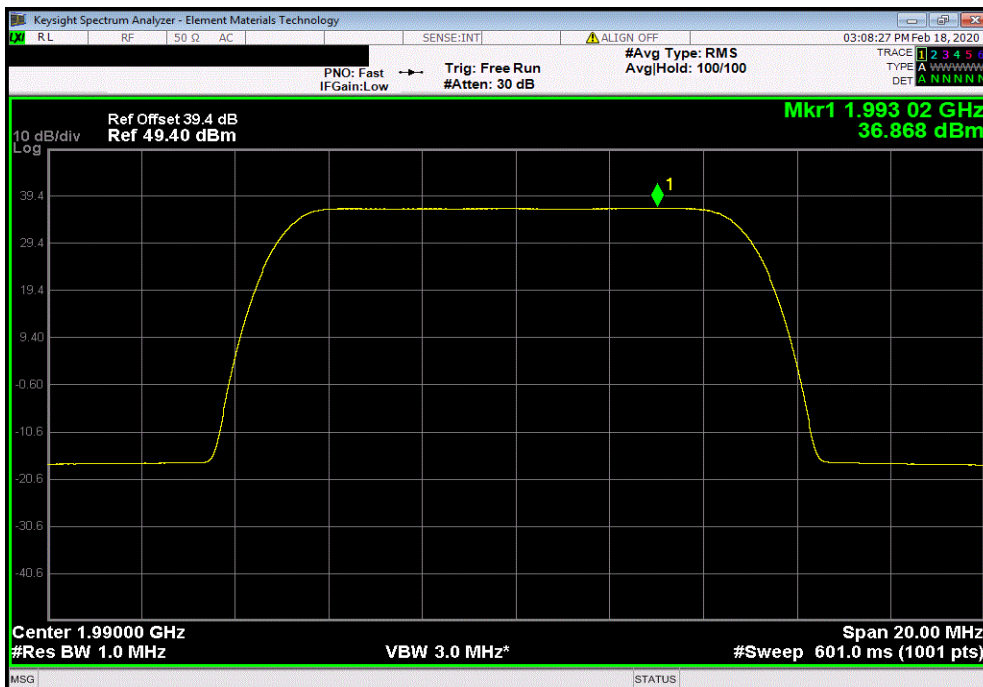


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 64-QAM, 10 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.837	0	Not Provided	36.84	62	N/A	



Band 25 (Single Carrier) Port 4, 64-QAM, 10 MHz, High Channel, 1990 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.868	0	Not Provided	36.87	62	N/A	

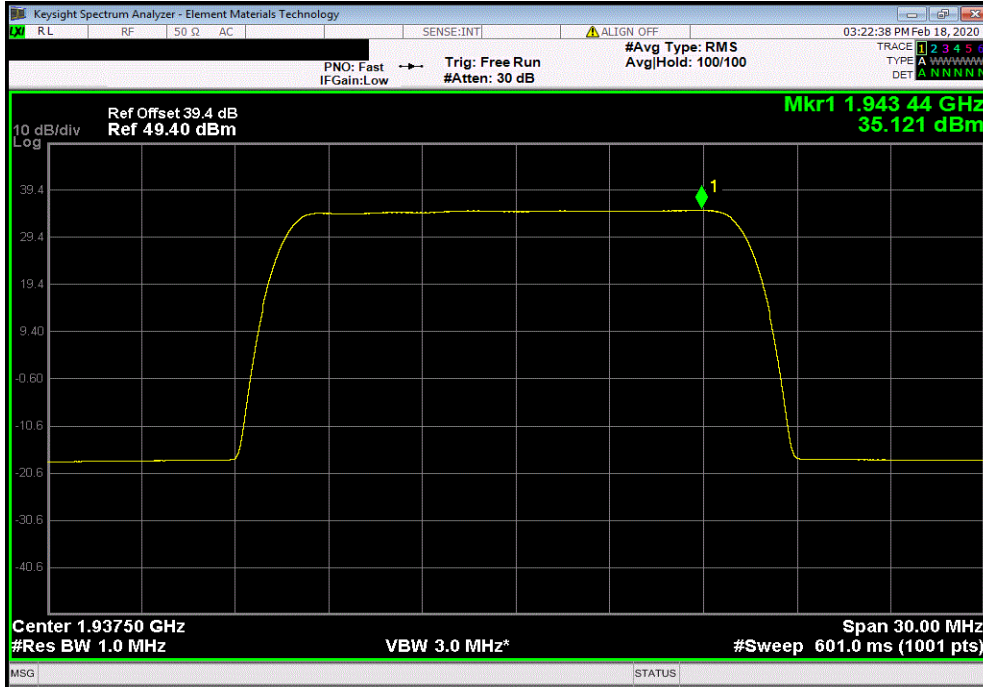


POWER SPECTRAL DENSITY BAND 25

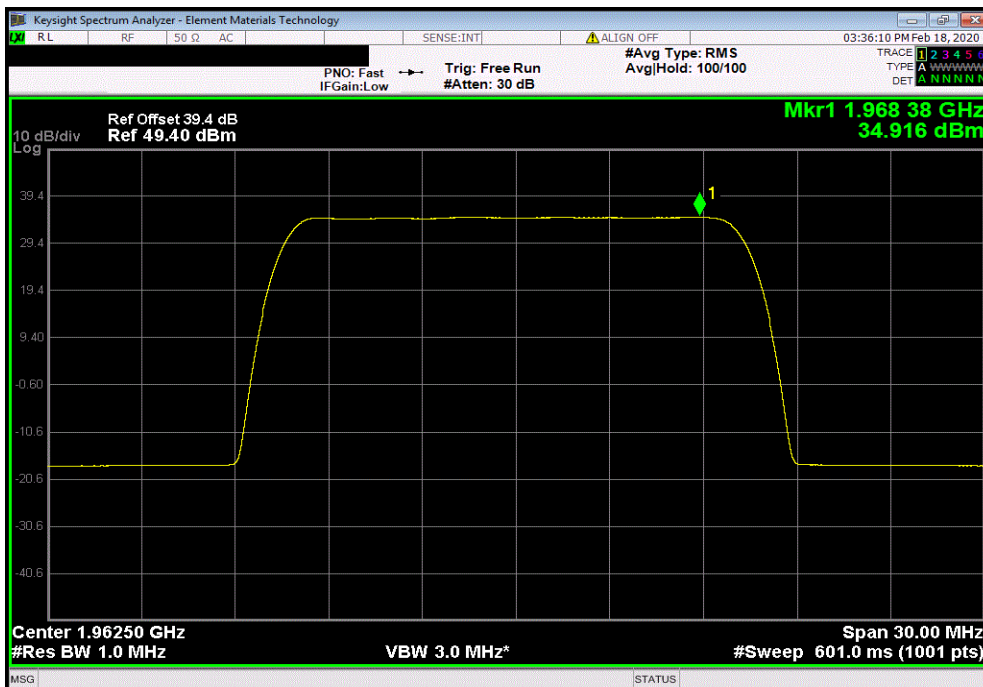


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 64-QAM, 15 MHz, Low Channel, 1937.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.121	0	Not Provided	35.12	62	N/A	



Band 25 (Single Carrier) Port 4, 64-QAM, 15 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
34.916	0	Not Provided	34.92	62	N/A	

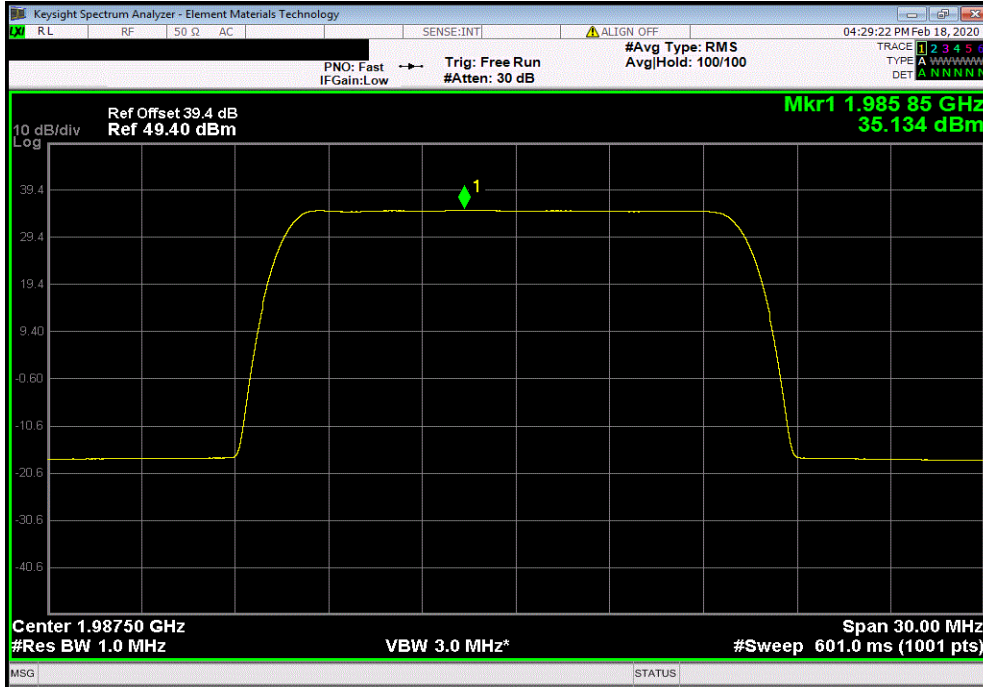


POWER SPECTRAL DENSITY BAND 25

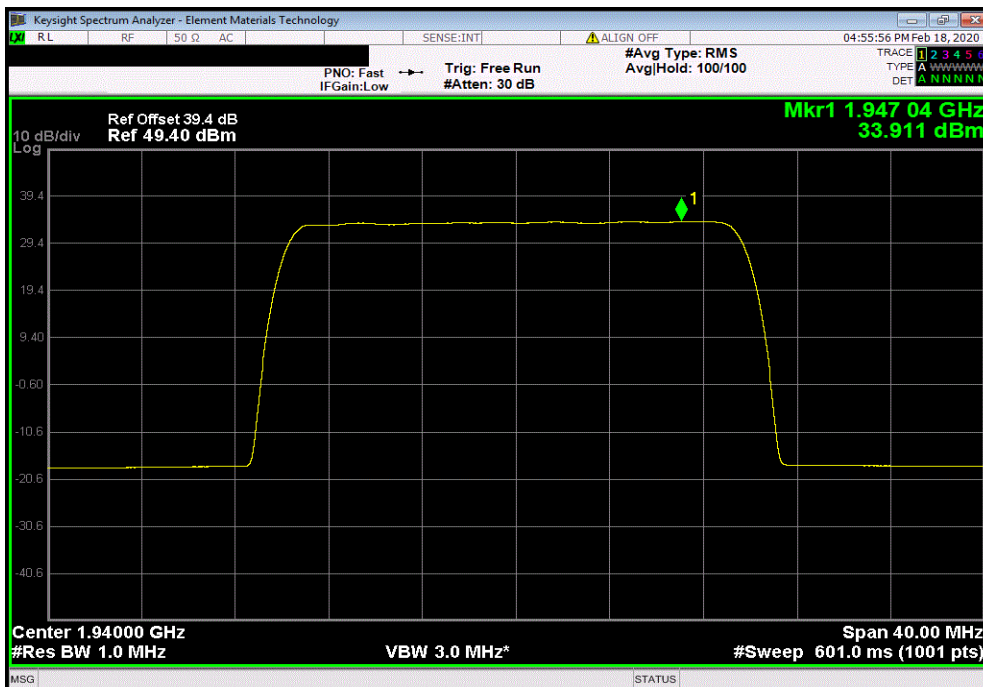


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 64-QAM, 15 MHz, High Channel, 1987.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.134	0	Not Provided	35.13	62	N/A	



Band 25 (Single Carrier) Port 4, 64-QAM, 20 MHz, Low Channel, 1940 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
33.911	0	Not Provided	33.91	62	N/A	

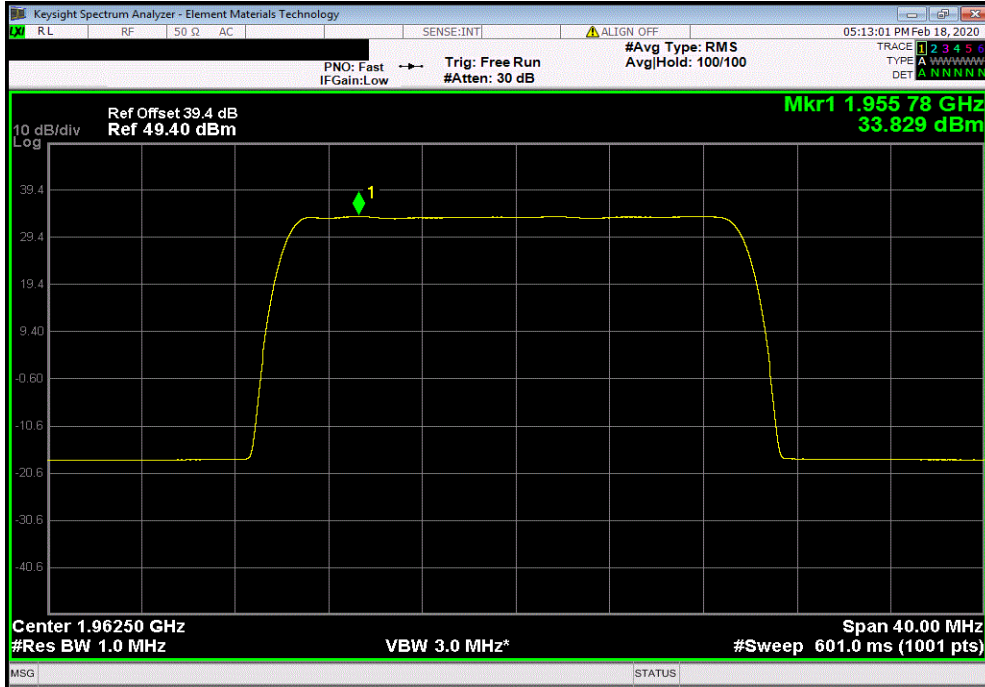


POWER SPECTRAL DENSITY BAND 25

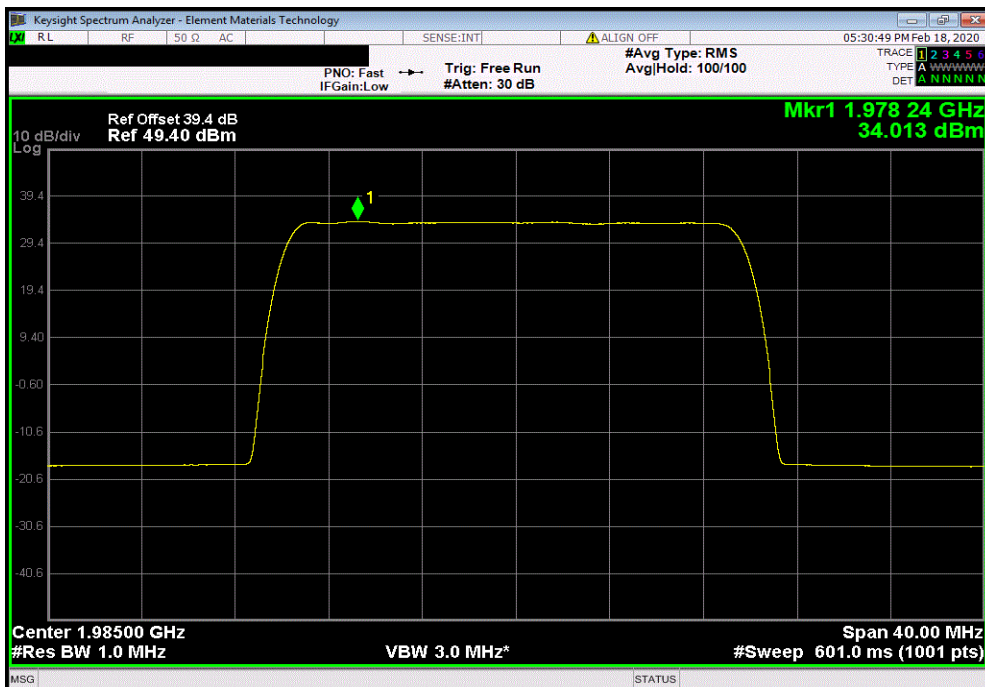


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 64-QAM, 20 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
33.829	0	Not Provided	33.83	62	N/A	



Band 25 (Single Carrier) Port 4, 64-QAM, 20 MHz, High Channel, 1985 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
34.013	0	Not Provided	34.01	62	N/A	

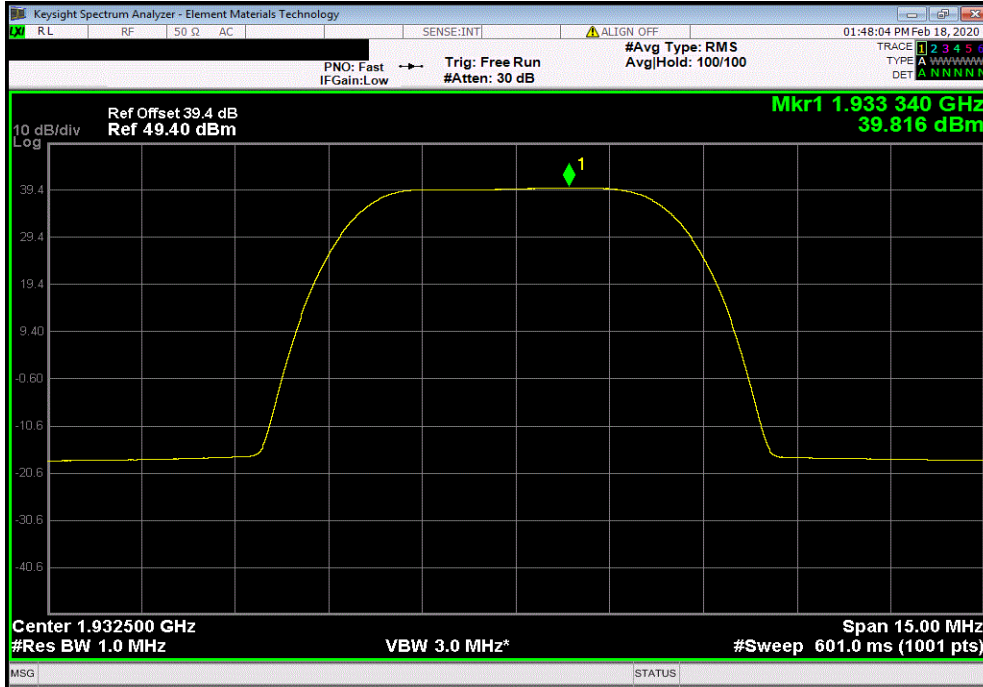


POWER SPECTRAL DENSITY BAND 25

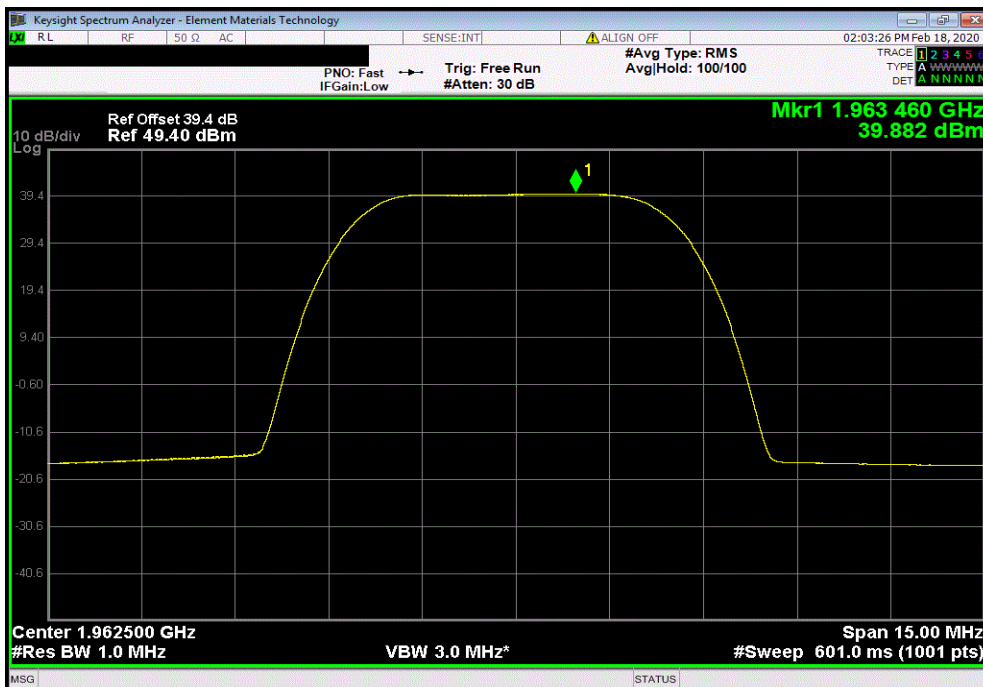


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 256-QAM, 5 MHz, Low Channel, 1932.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.816	0	Not Provided	39.82	62	N/A	



Band 25 (Single Carrier) Port 4, 256-QAM, 5 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.882	0	Not Provided	39.88	62	N/A	

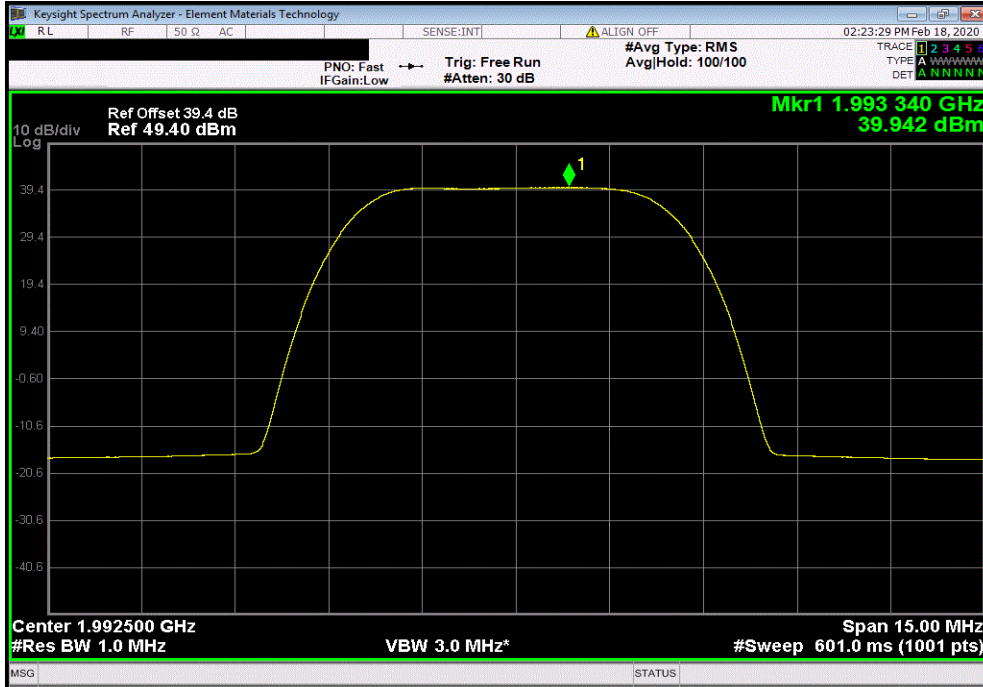


POWER SPECTRAL DENSITY BAND 25

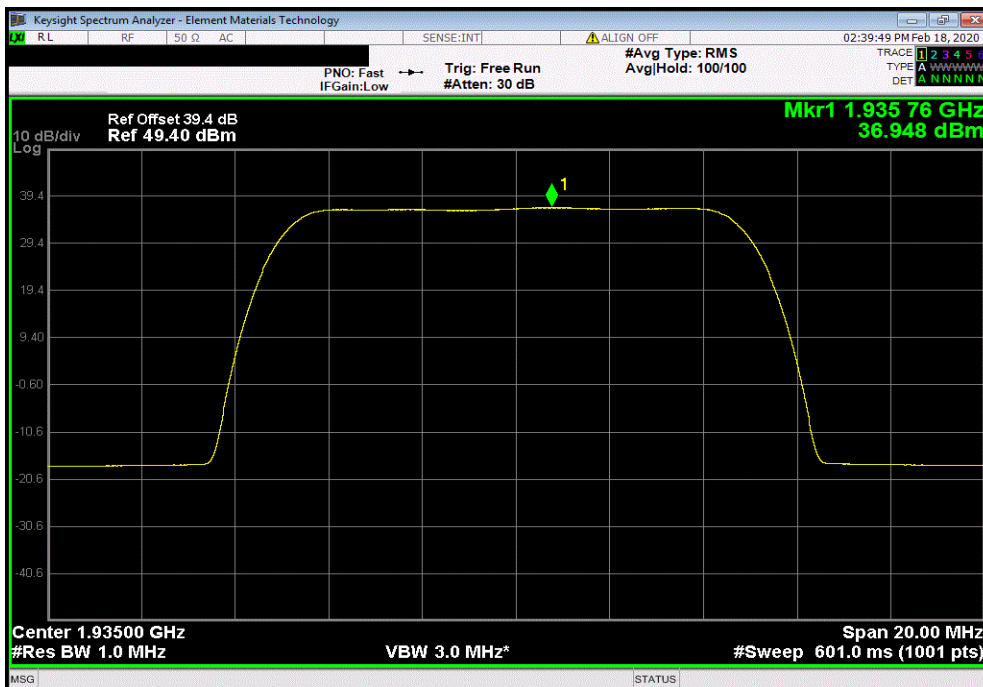


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 256-QAM, 5 MHz, High Channel, 1992.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
39.942	0	Not Provided	39.94	62	N/A	



Band 25 (Single Carrier) Port 4, 256-QAM, 10 MHz, Low Channel, 1935 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.948	0	Not Provided	36.95	62	N/A	

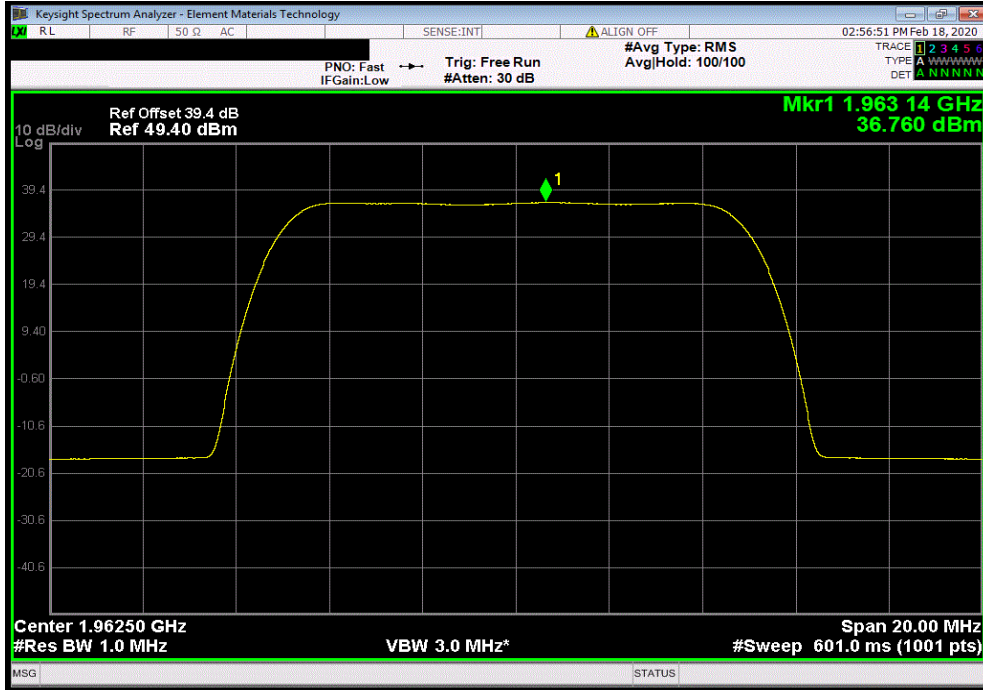


POWER SPECTRAL DENSITY BAND 25

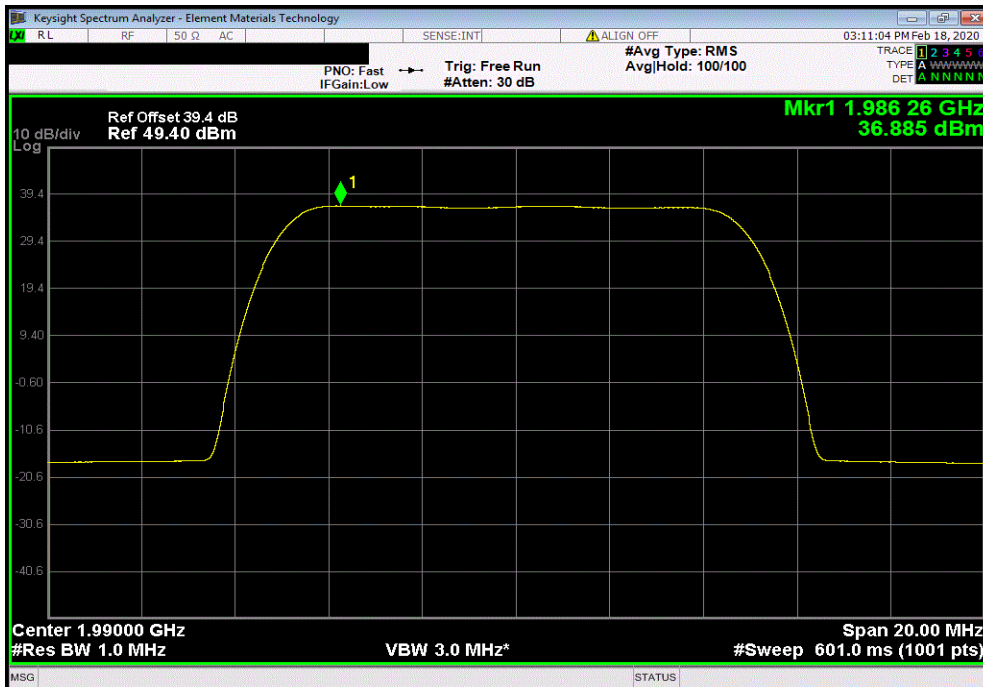


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 256-QAM, 10 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.76	0	Not Provided	36.76	62	N/A	



Band 25 (Single Carrier) Port 4, 256-QAM, 10 MHz, High Channel, 1990 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
36.885	0	Not Provided	36.89	62	N/A	

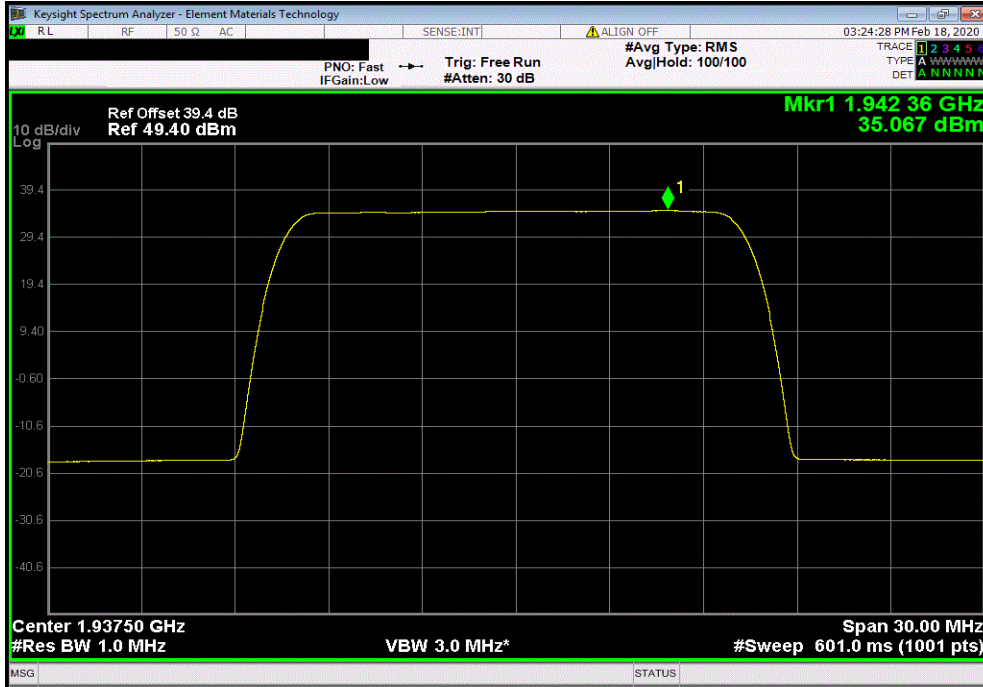


POWER SPECTRAL DENSITY BAND 25

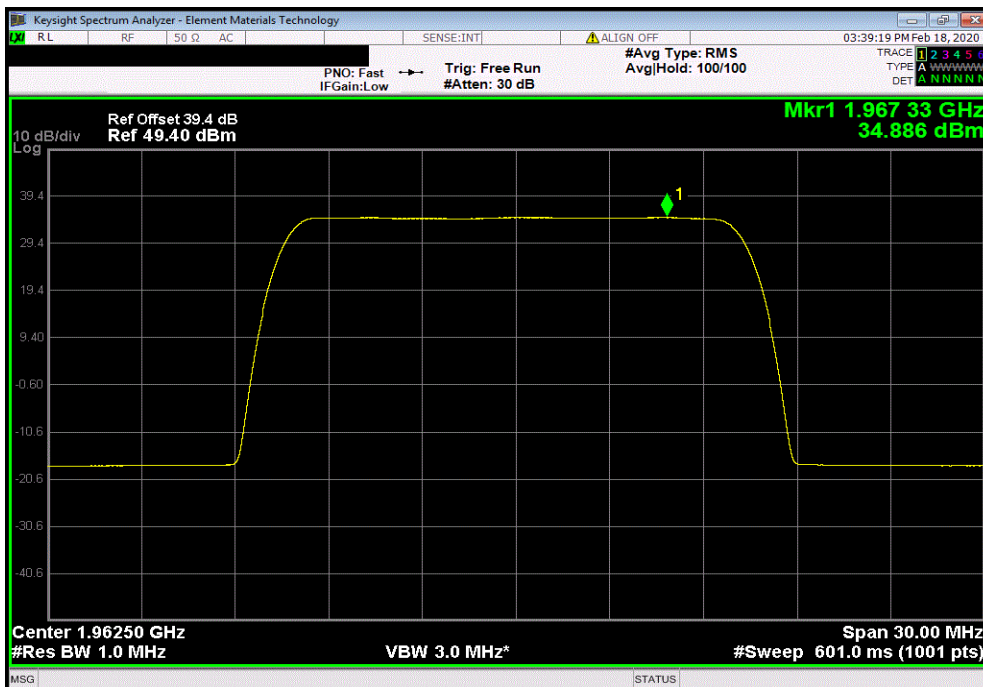


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 256-QAM, 15 MHz, Low Channel, 1937.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.067	0	Not Provided	35.07	62	N/A	



Band 25 (Single Carrier) Port 4, 256-QAM, 15 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
34.886	0	Not Provided	34.89	62	N/A	

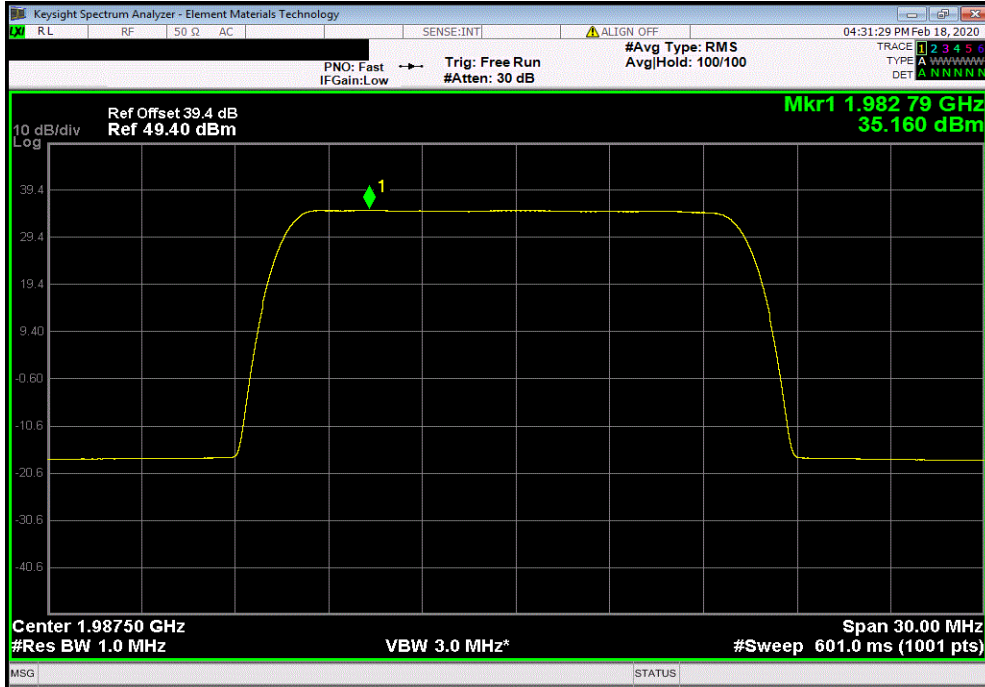


POWER SPECTRAL DENSITY BAND 25

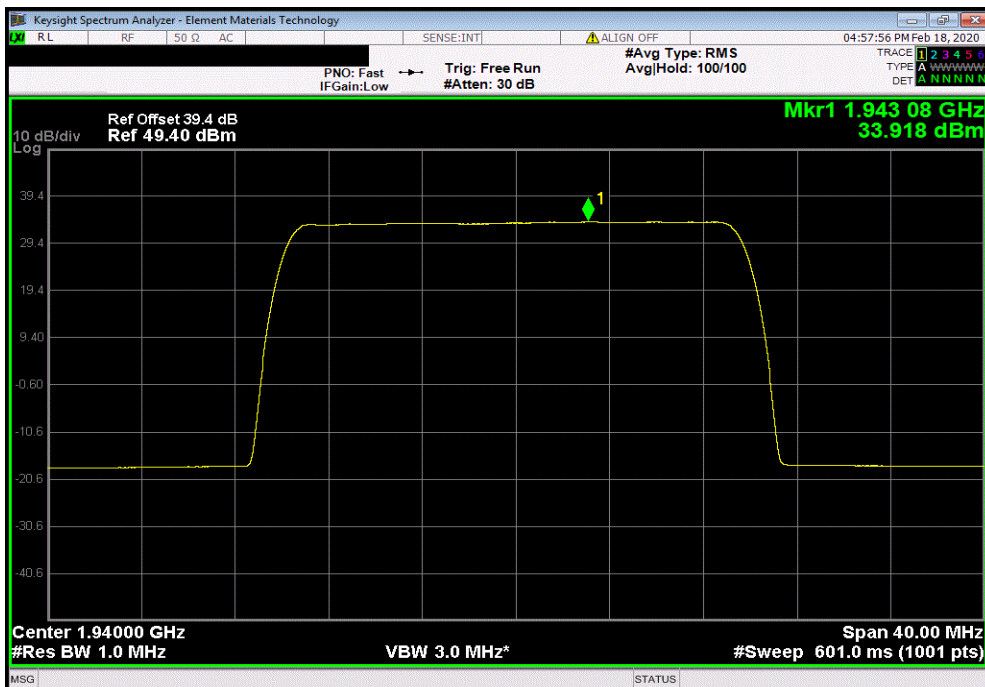


TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 256-QAM, 15 MHz, High Channel, 1987.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
35.16	0	Not Provided	35.16	62	N/A	



Band 25 (Single Carrier) Port 4, 256-QAM, 20 MHz, Low Channel, 1940 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
33.918	0	Not Provided	33.92	62	N/A	

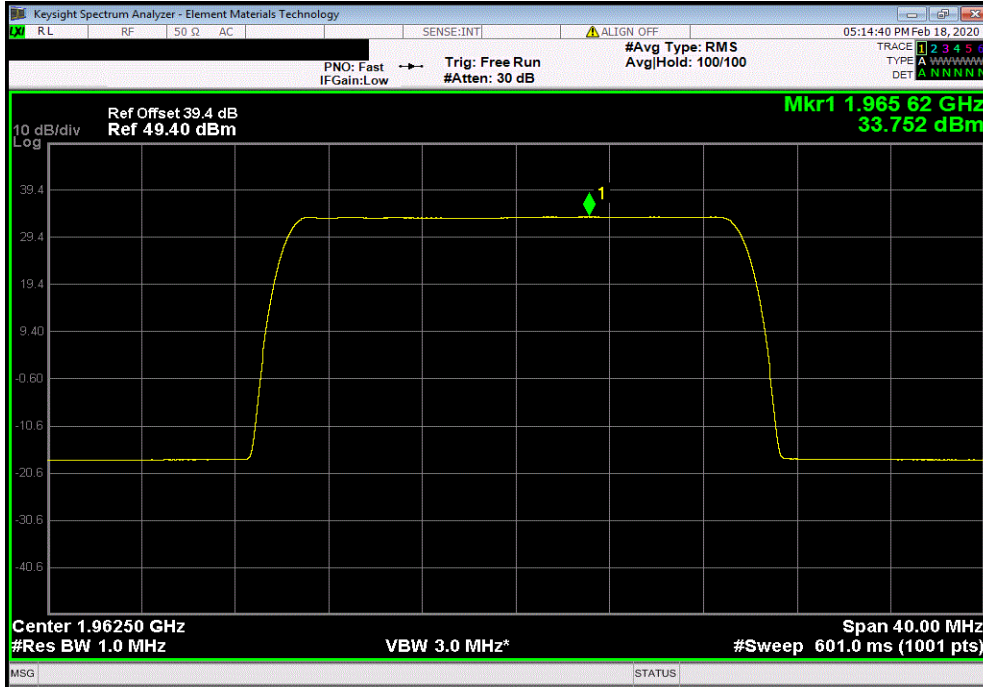


POWER SPECTRAL DENSITY BAND 25



TbT* 2019.08.30.0 XMI 2019.09.05

Band 25 (Single Carrier) Port 4, 256-QAM, 20 MHz, Mid Channel, 1962.5 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
33.752	0	Not Provided	33.75	62	N/A	



Band 25 (Single Carrier) Port 4, 256-QAM, 20 MHz, High Channel, 1985 MHz						
Initial Power (dBm/MHz)	Duty Cycle Factor (dB)	Antenna Gain (dBi)	Final w/o Ant Gain Value (dBm/MHz)	Limit ERP (dBm/MHz)	Results	
33.893	0	Not Provided	33.89	62	N/A	

