

BAND EDGE COMPLIANCE



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
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 spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in the available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge.

All limits were adjusted by a factor of $[-10 \cdot \log(4)]$ dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911.

Per FCC 24.238(a) and RSS 133 6.5.1 (i). the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The limit is adjusted to -19 dBm $[-13 \text{ dBm} - 10 \log(4)]$ per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.

Per FCC 24.238(b) and RSS 133 6.5.1 (i). emissions seen up to 1 MHz outside of authorized operating frequency range band edges shall be measured with a RBW of 1% of the measured emission bandwidth. Any emission seen to be > 1 MHz further outside the band edges shall be measured with a RBW of 1 MHz. However, a narrower RBW of at least 1% of the emission bandwidth is still allowed provided that the measured power is integrated over the full reference bandwidth of 1 MHz.

RF conducted emissions testing was performed only on one port. The testing was performed on the same version of hardware (FHFB) as the original certification test. The FHFB antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the original certification testing) and antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.7.2i.

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Test 2020.09.06.0 BETA XMI 2020.03.25.0

EUT:	FHFB (FCC C2PC)	Work Order:	NOKI0021
Serial Number:	L9144200604	Date:	10-Sep-20
Customer:	Nokia Solutions and Networks	Temperature:	22.7 °C
Attendees:	Mitchell Hill, John Rattanavong	Humidity:	48.1% RH
Project:	None	Barometric Pres.:	1023 mbar
Tested by:	Brandon Hobbs	Power:	54 VDC
		Job Site:	TX05
TEST SPECIFICATIONS		Test Method	
FCC 24E:2020		ANSI C63.26:2015	
RSS-133:2018		RSS-133:2018	

COMMENTS
 All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. The carrier power was set to maximum except for the 15MHz channel bandwidth. The power was reduced by 1 dB at the 15MHz channel bandwidth "High Channel" (1987.5MHz) and "Low Channel" (1937.5MHz) and the measurement marker was offset RBW/2 from the band edge frequency as allowed by C63.26 clause 5.7.2.g. The 15MHz channel bandwidth at full power was re-measured at "High Channel - 100kHz" (1987.4MHz) and "Low Channel + 100kHz" (1937.6MHz) at the band edge frequencies.

DEVIATIONS FROM TEST STANDARD
 None

Configuration #	2	Signature	
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Band	Port	Modulation	Frequency Range	Value (dBm)	Limit (dBm)	Result
Band 25, 1930 MHz - 1995 MHz, 5G	Port 1	5 MHz Bandwidth				
		QPSK Modulation				
		Low Channel, 1932.5 MHz	1	-20.54	-19	Pass
		Low Channel, 1932.5 MHz	2	-19.53	-19	Pass
		Low Channel, 1932.5 MHz	3	-22.11	-19	Pass
		High Channel, 1992.5 MHz	1	-20.55	-19	Pass
		High Channel, 1992.5 MHz	2	-20.97	-19	Pass
		High Channel, 1992.5 MHz	3	-25.2	-19	Pass
		16-QAM Modulation				
		Low Channel, 1932.5 MHz	1	-22.78	-19	Pass
Low Channel, 1932.5 MHz	2	-22.5	-19	Pass		
Low Channel, 1932.5 MHz	3	-22.78	-19	Pass		
High Channel, 1992.5 MHz	1	-20.32	-19	Pass		
High Channel, 1992.5 MHz	2	-22.62	-19	Pass		
High Channel, 1992.5 MHz	3	-25.59	-19	Pass		
64-QAM Modulation						
Low Channel, 1932.5 MHz	1	-21.23	-19	Pass		
Low Channel, 1932.5 MHz	2	-22.2	-19	Pass		
Low Channel, 1932.5 MHz	3	-21.47	-19	Pass		
High Channel, 1992.5 MHz	1	-21.44	-19	Pass		
High Channel, 1992.5 MHz	2	-22.54	-19	Pass		
High Channel, 1992.5 MHz	3	-24.49	-19	Pass		
256-QAM Modulation						
Low Channel, 1932.5 MHz	1	-22.85	-19	Pass		
Low Channel, 1932.5 MHz	2	-22.91	-19	Pass		
Low Channel, 1932.5 MHz	3	-22.61	-19	Pass		
High Channel, 1992.5 MHz	1	-19.72	-19	Pass		
High Channel, 1992.5 MHz	2	-22.61	-19	Pass		
High Channel, 1992.5 MHz	3	-24.46	-19	Pass		
Band 25, 1930 MHz - 1995 MHz, 5G	Port 1	10 MHz Bandwidth				
		QPSK Modulation				
		Low Channel, 1935.0 MHz	1	-21.27	-19	Pass
		Low Channel, 1935.0 MHz	2	-25.07	-19	Pass
		Low Channel, 1935.0 MHz	3	-25.1	-19	Pass
		High Channel, 1990 MHz	1	-22.88	-19	Pass
		High Channel, 1990 MHz	2	-24.52	-19	Pass
		High Channel, 1990 MHz	3	-25.44	-19	Pass
		16-QAM Modulation				
		Low Channel, 1935.0 MHz	1	-20.82	-19	Pass
Low Channel, 1935.0 MHz	2	-24.53	-19	Pass		
Low Channel, 1935.0 MHz	3	-24.44	-19	Pass		
High Channel, 1990 MHz	1	-22.08	-19	Pass		
High Channel, 1990 MHz	2	-24.95	-19	Pass		
High Channel, 1990 MHz	3	-25.56	-19	Pass		
64-QAM Modulation						
Low Channel, 1935.0 MHz	1	-21.18	-19	Pass		
Low Channel, 1935.0 MHz	2	-24.61	-19	Pass		
Low Channel, 1935.0 MHz	3	-24.25	-19	Pass		
High Channel, 1990 MHz	1	-20.52	-19	Pass		
High Channel, 1990 MHz	2	-24.67	-19	Pass		
High Channel, 1990 MHz	3	-25.68	-19	Pass		
256-QAM Modulation						
Low Channel, 1935.0 MHz	1	-20.22	-19	Pass		
Low Channel, 1935.0 MHz	2	-24.79	-19	Pass		
Low Channel, 1935.0 MHz	3	-24.63	-19	Pass		
High Channel, 1990 MHz	1	-20.39	-19	Pass		
High Channel, 1990 MHz	2	-24.94	-19	Pass		
High Channel, 1990 MHz	3	-25.56	-19	Pass		
Band 25, 1930 MHz - 1995 MHz, 5G	Port 1	15 MHz Bandwidth, 1dB Reduced Power				
		QPSK Modulation				
		Low Channel, 1937.5 MHz	1	-21.7	-19	Pass
		Low Channel, 1937.5 MHz	2	-26.47	-19	Pass
		Low Channel, 1937.5 MHz	3	-25.86	-19	Pass
		High Channel, 1987.5 MHz	1	-21.21	-19	Pass
		High Channel, 1987.5 MHz	2	-25.6	-19	Pass
		High Channel, 1987.5 MHz	3	-26.16	-19	Pass
		16-QAM Modulation				
		Low Channel, 1937.5 MHz	1	-20.6	-19	Pass
Low Channel, 1937.5 MHz	2	-26.04	-19	Pass		
Low Channel, 1937.5 MHz	3	-25.82	-19	Pass		
High Channel, 1987.5 MHz	1	-20.67	-19	Pass		
High Channel, 1987.5 MHz	2	-25.51	-19	Pass		
High Channel, 1987.5 MHz	3	-26.16	-19	Pass		
64-QAM Modulation						
Low Channel, 1937.5 MHz	1	-24.683	-19	Pass		

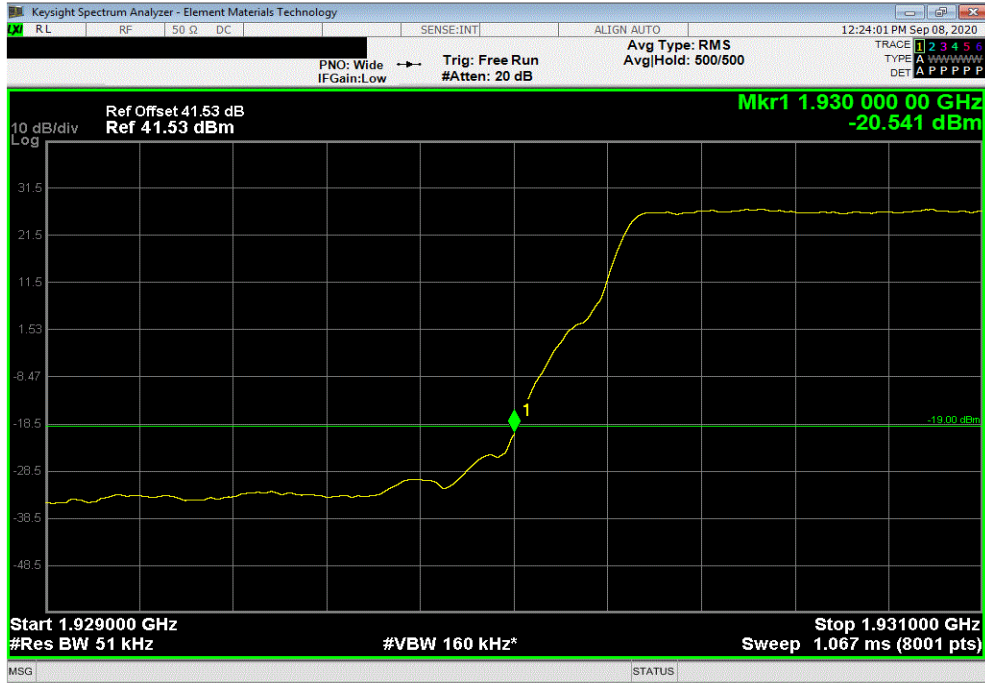
	Low Channel, 1937.5 MHz	2	-26.75	-19	Pass
	Low Channel, 1937.5 MHz	3	-26.319	-19	Pass
	High Channel, 1987.5 MHz	1	-21.332	-19	Pass
	High Channel, 1987.5 MHz	2	-25.36	-19	Pass
	High Channel, 1987.5 MHz	3	-25.975	-19	Pass
256-QAM Modulation					
	Low Channel, 1937.5 MHz	1	-22.38	-19	Pass
	Low Channel, 1937.5 MHz	2	-26.47	-19	Pass
	Low Channel, 1937.5 MHz	3	-26.44	-19	Pass
	High Channel, 1987.5 MHz	1	-24.7	-19	Pass
	High Channel, 1987.5 MHz	2	-25.9	-19	Pass
	High Channel, 1987.5 MHz	3	-26.31	-19	Pass
20 MHz Bandwidth					
QPSK Modulation					
	Low Channel, 1940 MHz	1	-22.4	-19	Pass
	Low Channel, 1940 MHz	2	-25.13	-19	Pass
	Low Channel, 1940 MHz	3	-24.77	-19	Pass
	High Channel, 1985 MHz	1	-21.44	-19	Pass
	High Channel, 1985 MHz	2	-25.48	-19	Pass
	High Channel, 1985 MHz	3	-26.03	-19	Pass
16-QAM Modulation					
	Low Channel, 1940 MHz	1	-22.46	-19	Pass
	Low Channel, 1940 MHz	2	-25.39	-19	Pass
	Low Channel, 1940 MHz	3	-25.51	-19	Pass
	High Channel, 1985 MHz	1	-21.08	-19	Pass
	High Channel, 1985 MHz	2	-25.59	-19	Pass
	High Channel, 1985 MHz	3	-26.29	-19	Pass
64-QAM Modulation					
	Low Channel, 1940 MHz	1	-21.56	-19	Pass
	Low Channel, 1940 MHz	2	-25.08	-19	Pass
	Low Channel, 1940 MHz	3	-24.67	-19	Pass
	High Channel, 1985 MHz	1	-21.18	-19	Pass
	High Channel, 1985 MHz	2	-25.57	-19	Pass
	High Channel, 1985 MHz	3	-26.18	-19	Pass
256-QAM Modulation					
	Low Channel, 1940 MHz	1	-20.72	-19	Pass
	Low Channel, 1940 MHz	2	-24.93	-19	Pass
	Low Channel, 1940 MHz	3	-24.83	-19	Pass
	High Channel, 1985 MHz	1	-19.71	-19	Pass
	High Channel, 1985 MHz	2	-25.54	-19	Pass
	High Channel, 1985 MHz	3	-26.2	-19	Pass

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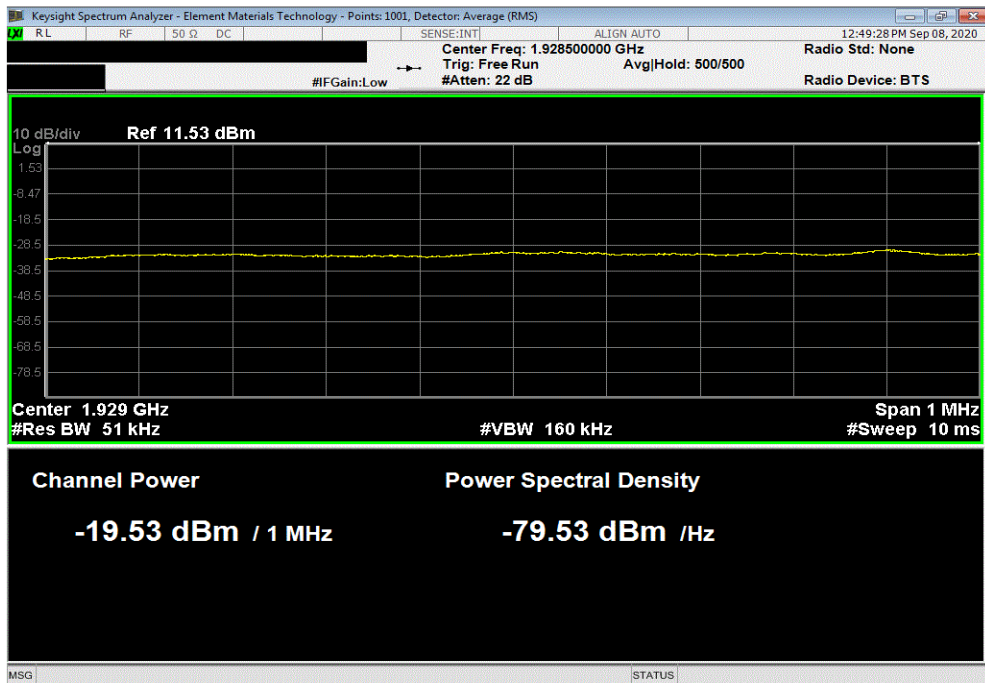


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Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 1932.5 MHz						
Frequency Range			Value (dBm)	Limit (dBm)	Result	
1			-20.54	-19	Pass	



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 1932.5 MHz						
Frequency Range			Value (dBm)	Limit (dBm)	Result	
2			-19.53	-19	Pass	

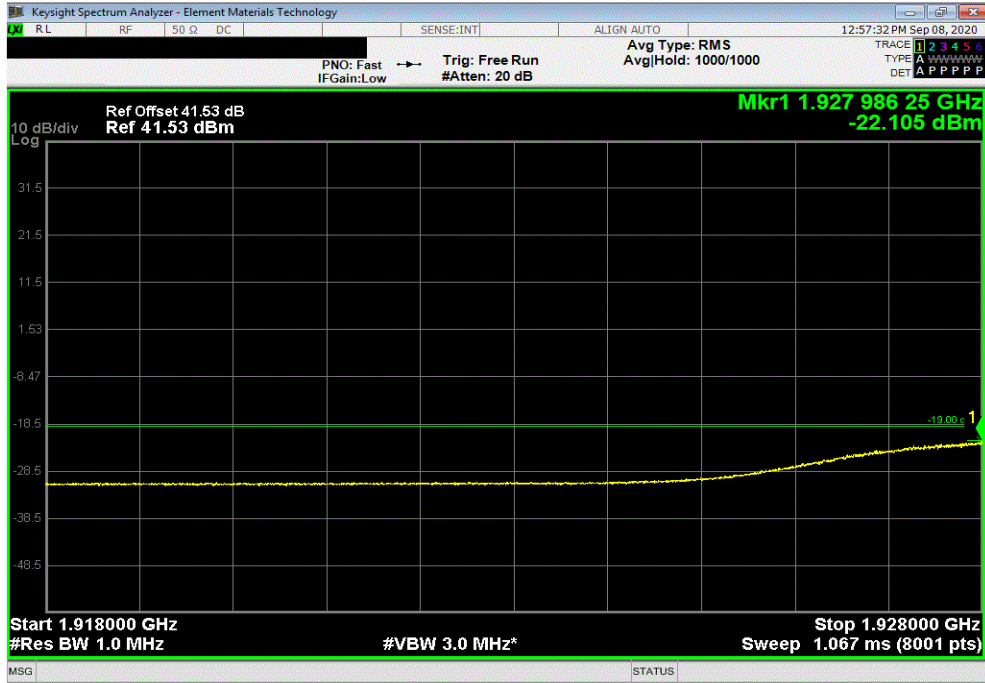


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Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 1932.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-22.11	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, QPSK Modulation, High Channel, 1992.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-20.55	-19	Pass		

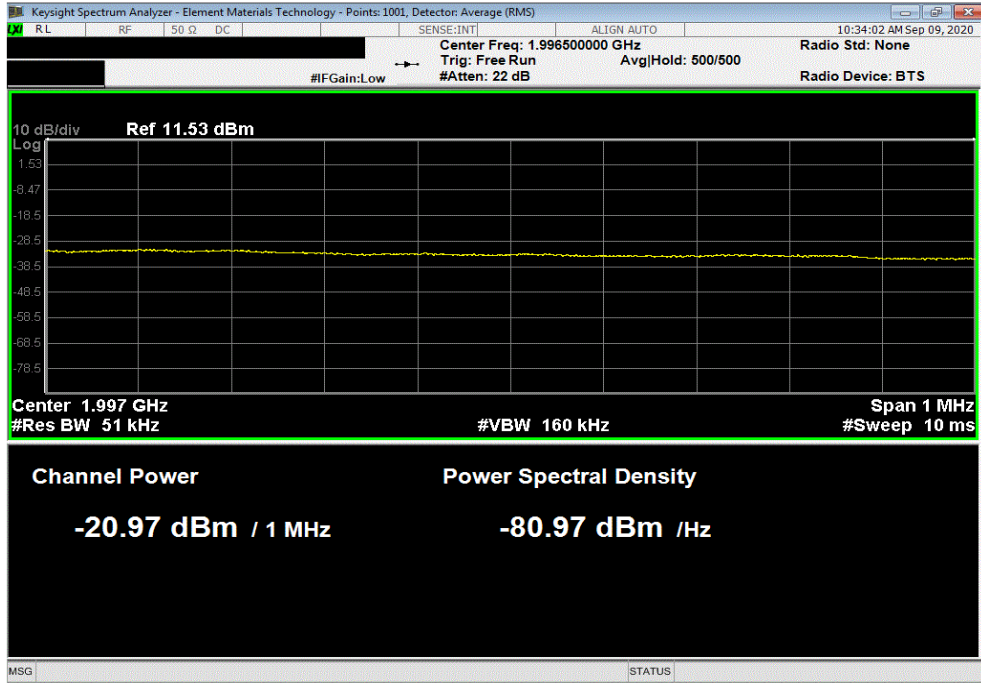


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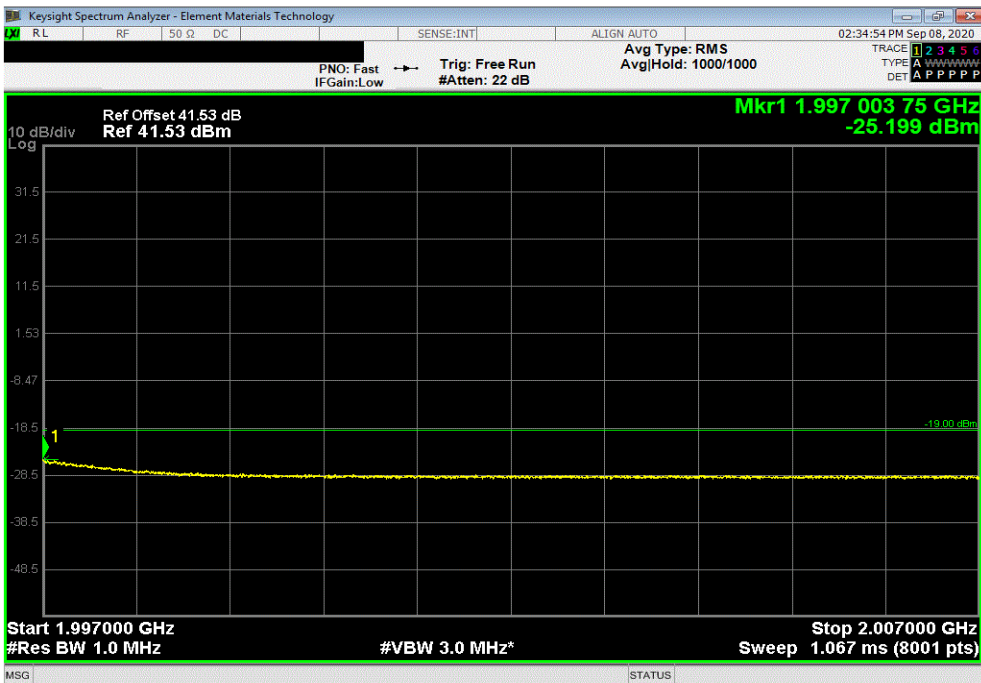


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Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, QPSK Modulation , High Channel, 1992.5 MHz						
Frequency						
Range	Value (dBm)	Limit (dBm)	Result			
2	-20.97	-19	Pass			



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, QPSK Modulation , High Channel, 1992.5 MHz						
Frequency						
Range	Value (dBm)	Limit (dBm)	Result			
3	-25.2	-19	Pass			

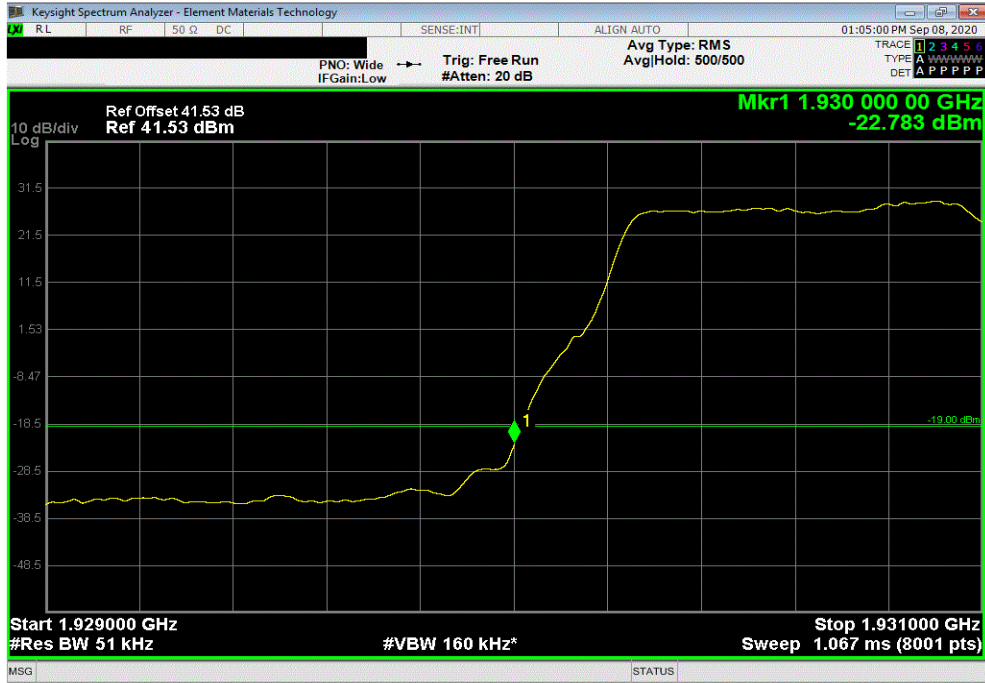


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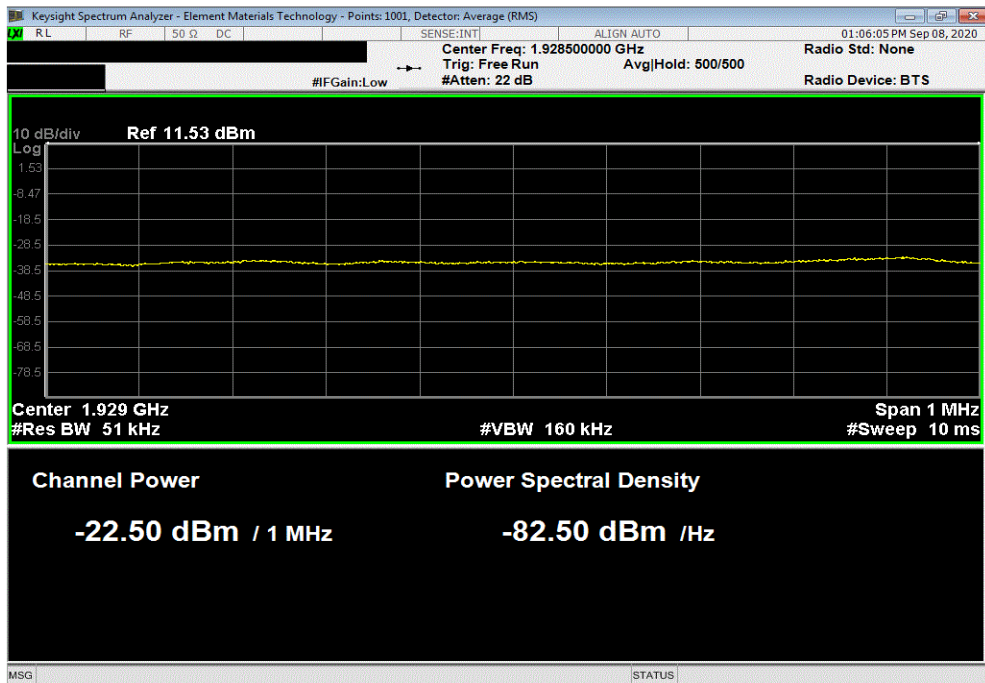


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Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-22.78	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-22.50	-19	Pass		

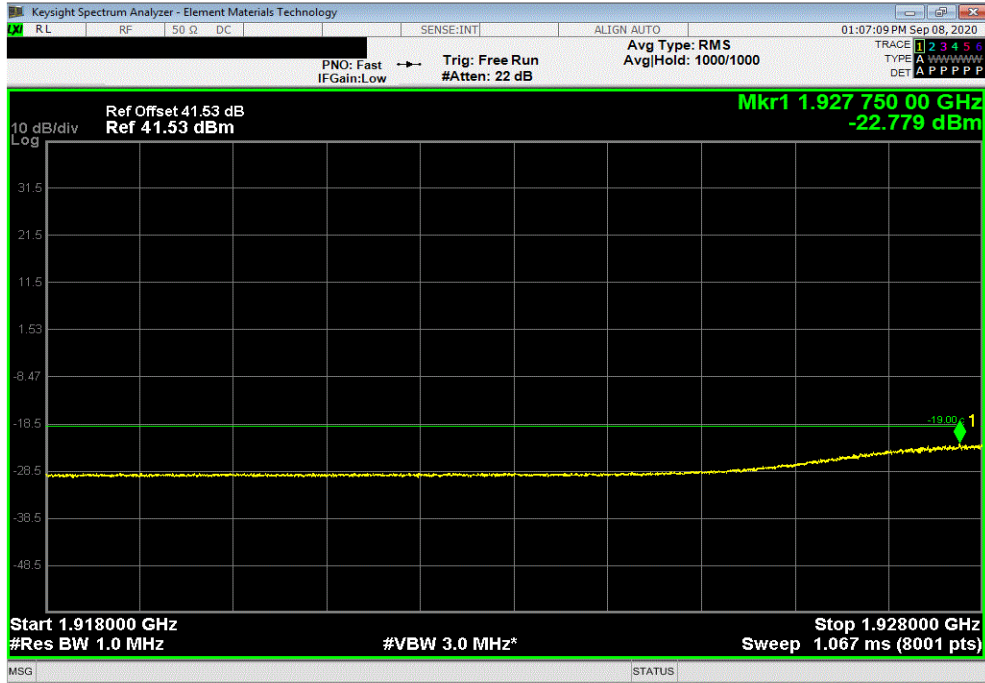


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Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency		Value (dBm)	Limit (dBm)	Result		
Range						
3		-22.78	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 1992.5 MHz						
Frequency		Value (dBm)	Limit (dBm)	Result		
Range						
1		-20.32	-19	Pass		

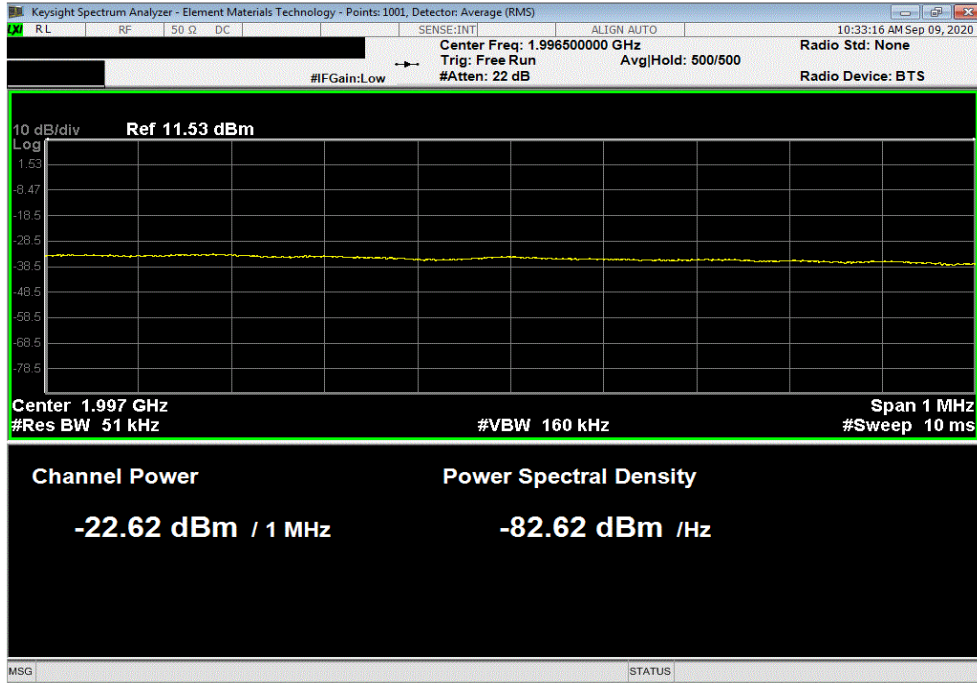


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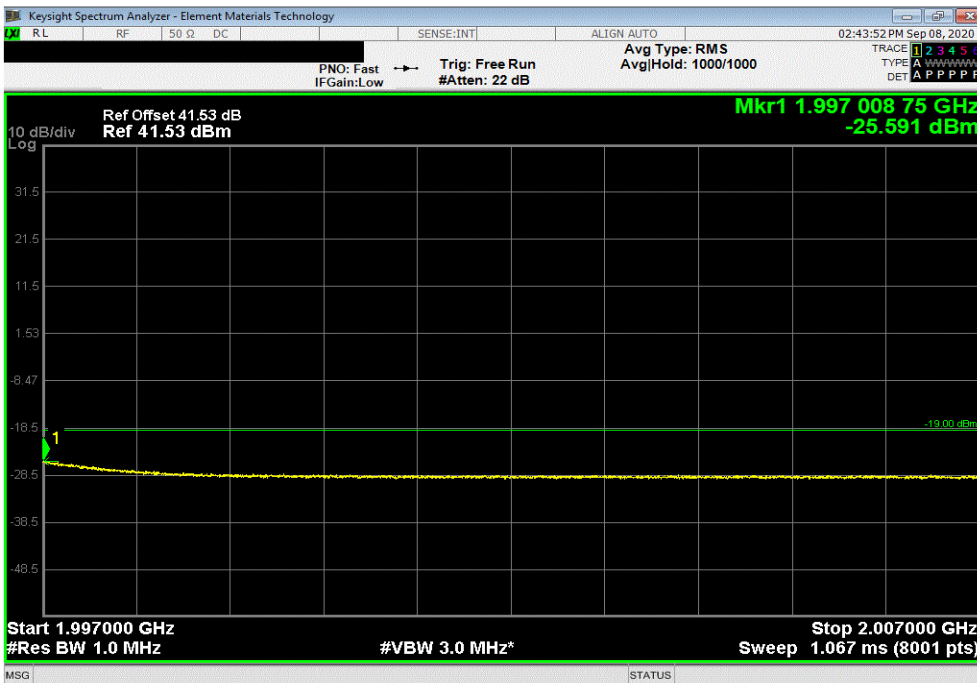


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-22.62	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-25.59	-19	Pass		

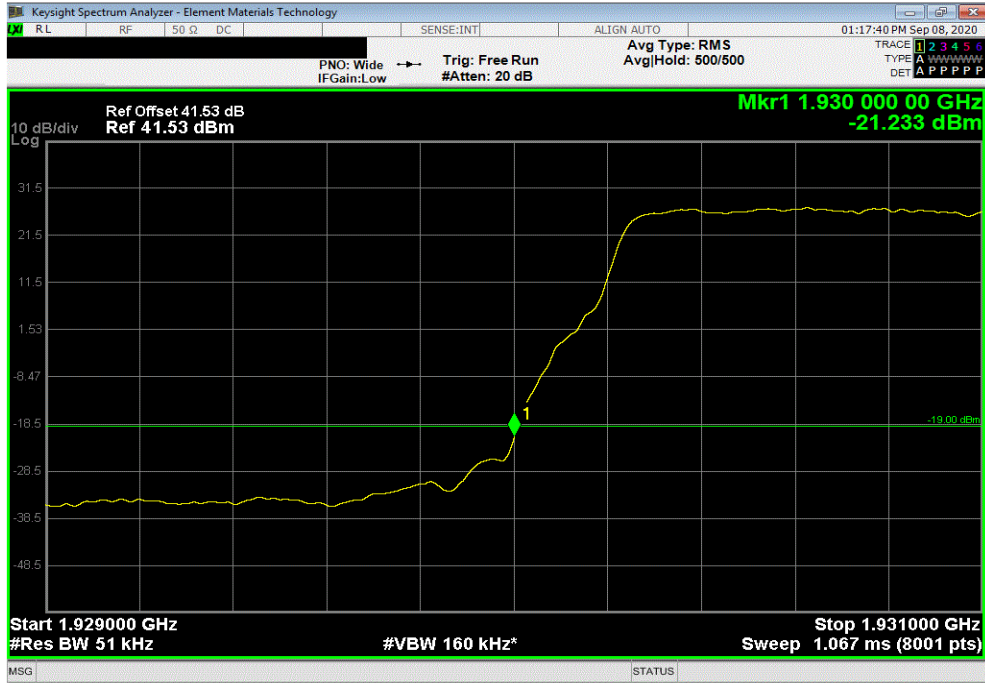


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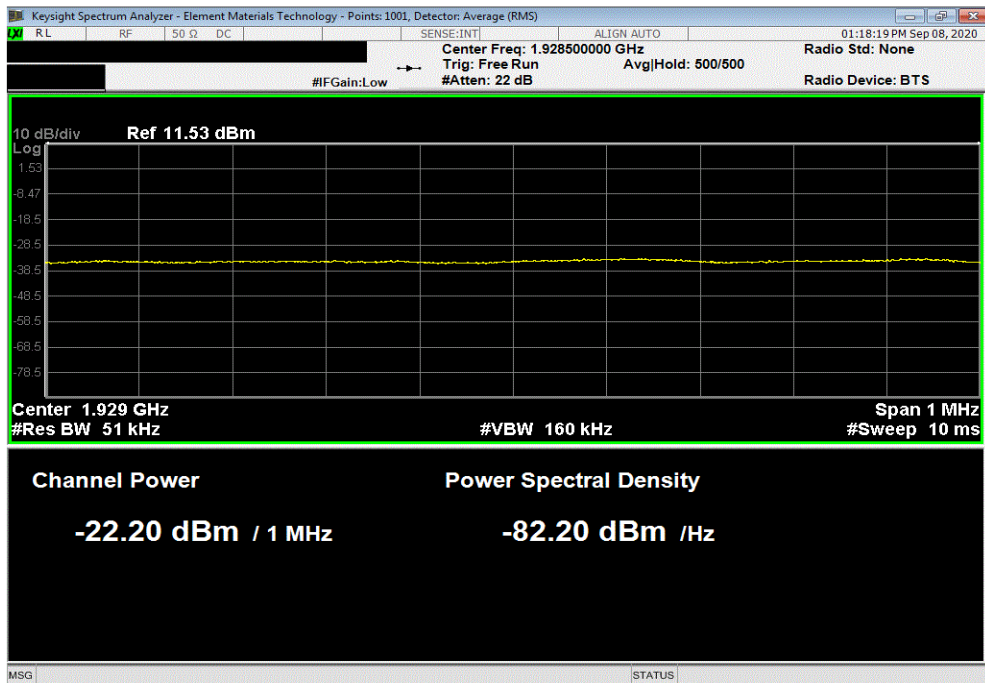


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-21.23	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-22.20	-19	Pass		

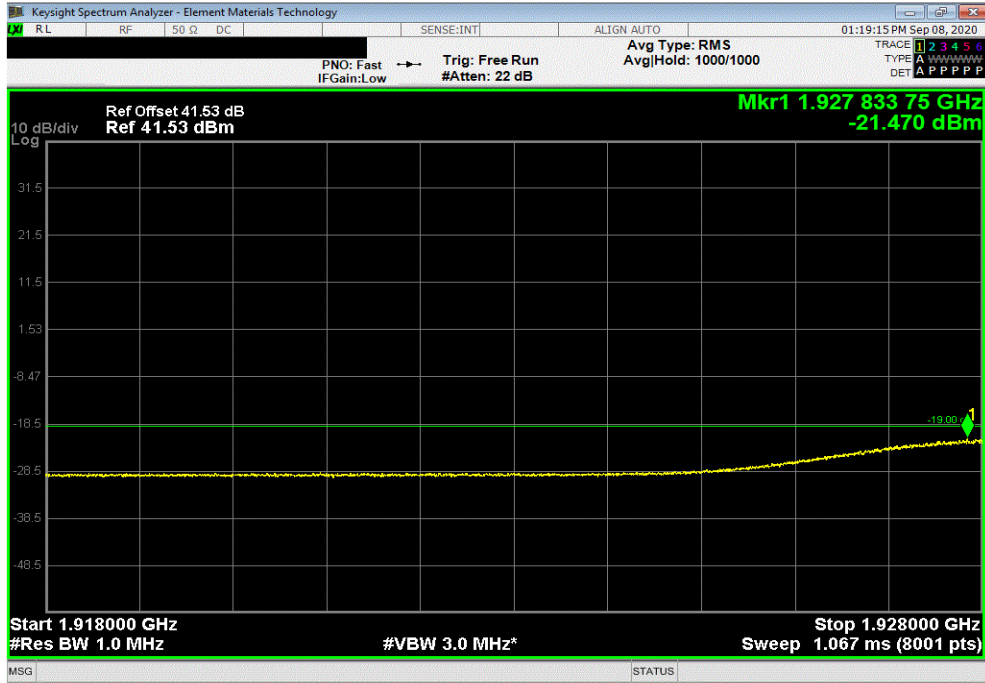


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TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency		Value (dBm)	Limit (dBm)	Result		
Range						
3		-21.47	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 1992.5 MHz						
Frequency		Value (dBm)	Limit (dBm)	Result		
Range						
1		-21.44	-19	Pass		

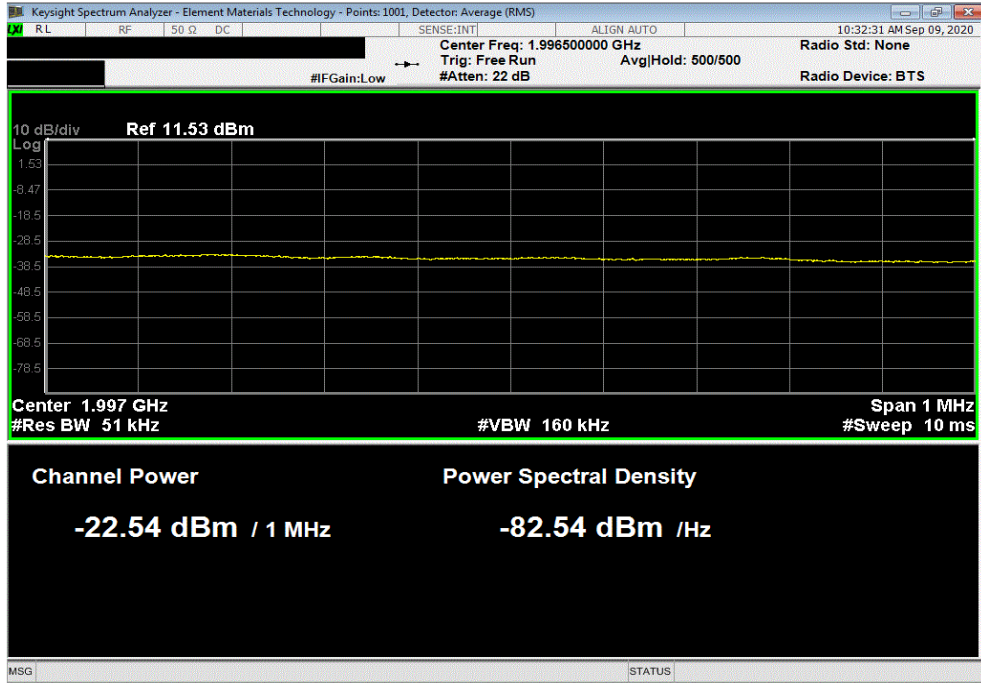


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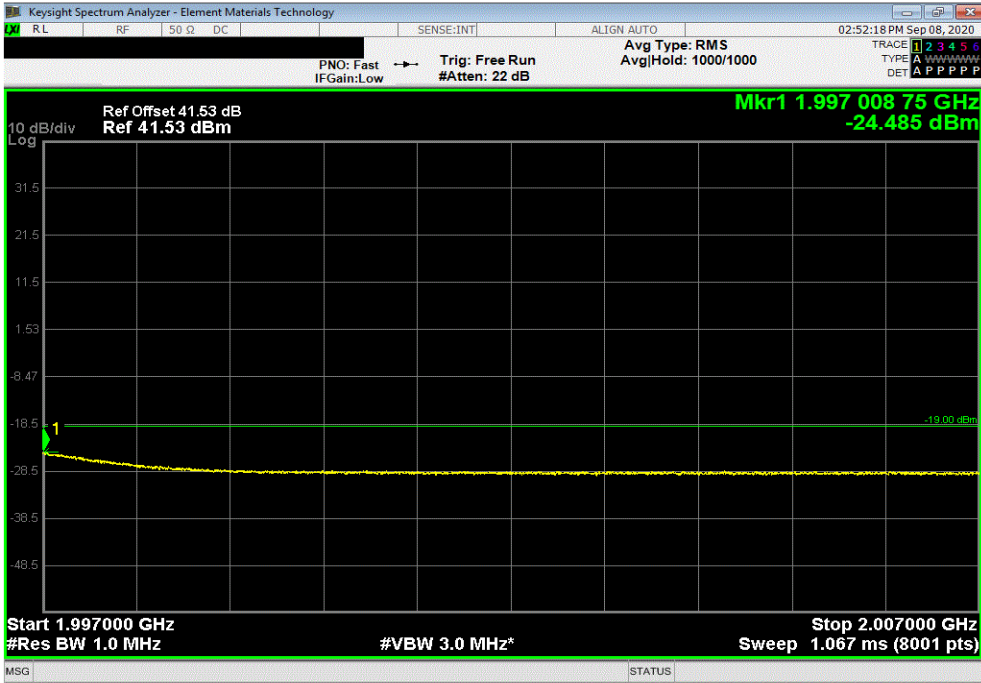


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-22.54	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-24.49	-19	Pass		

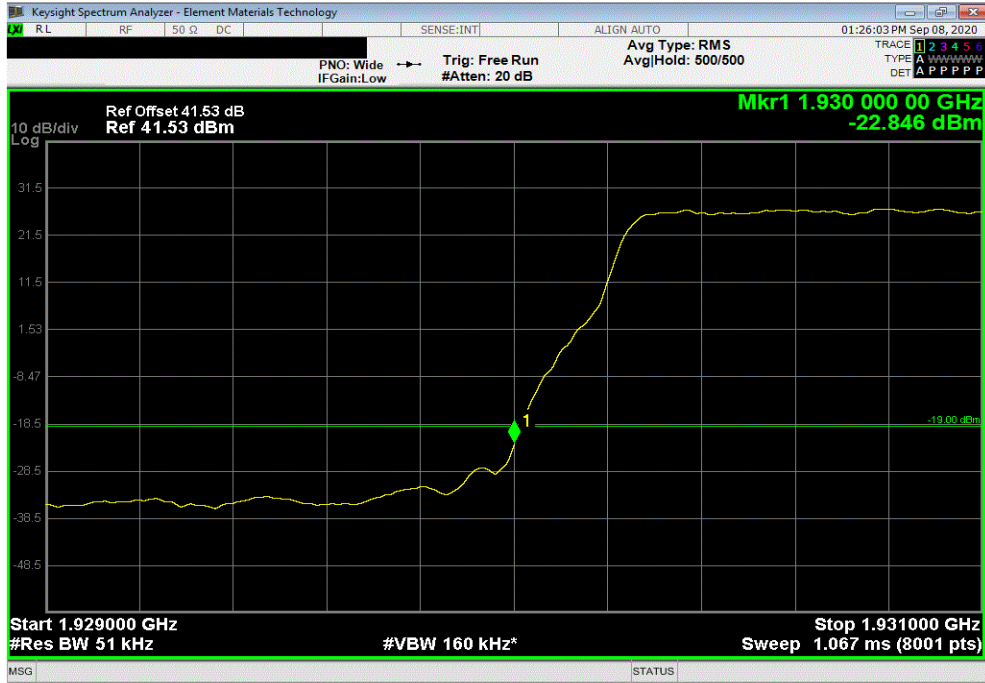


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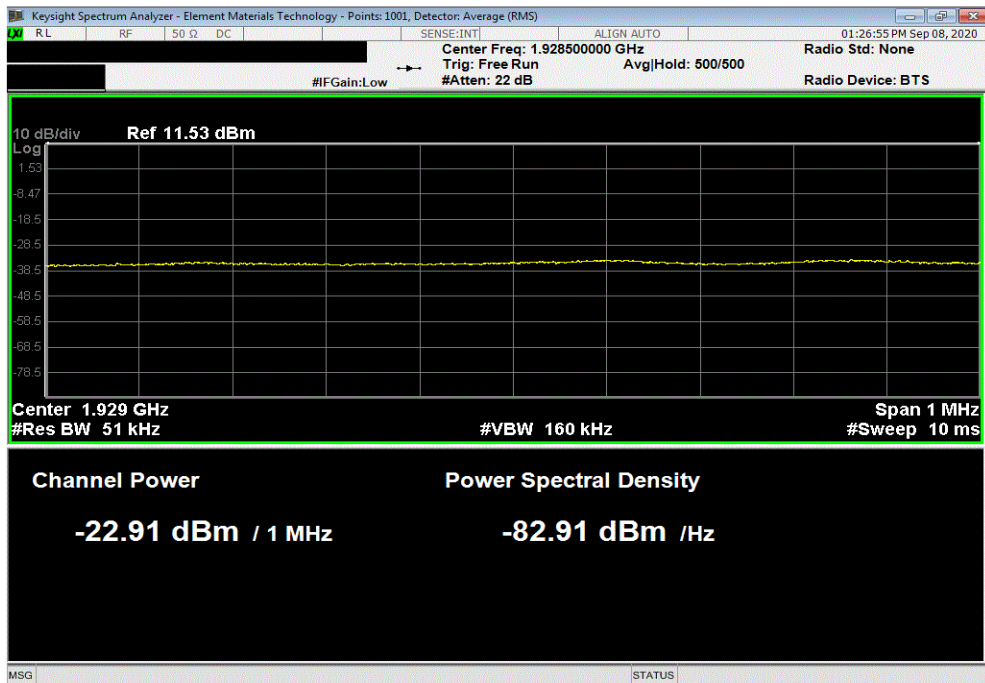


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Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-22.85	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-22.91	-19	Pass		

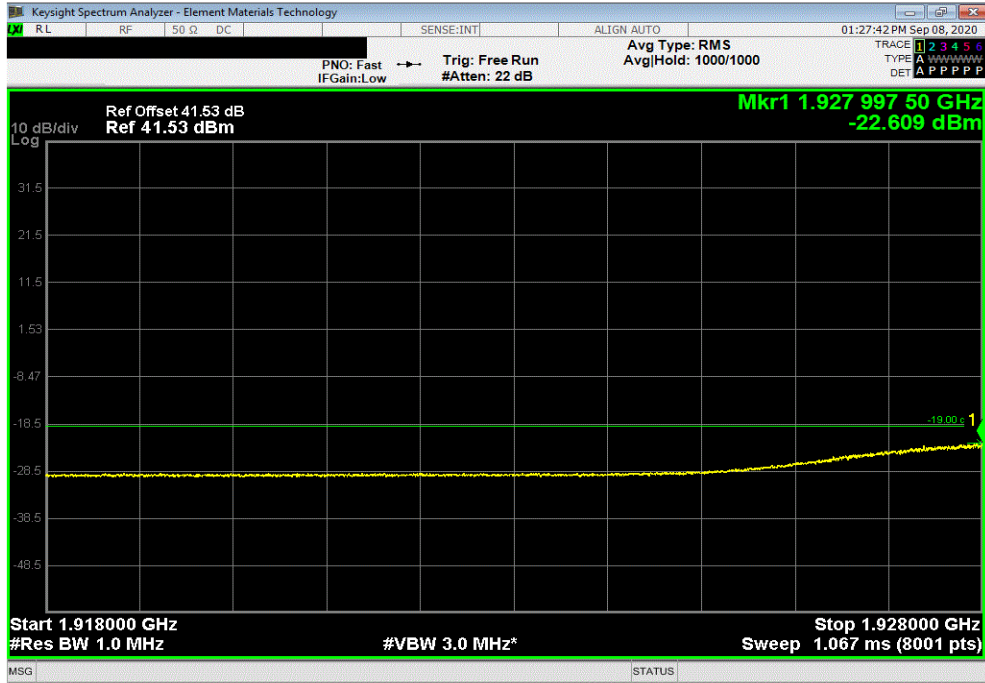


BAND EDGE COMPLIANCE



TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-22.61	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-19.72	-19	Pass		

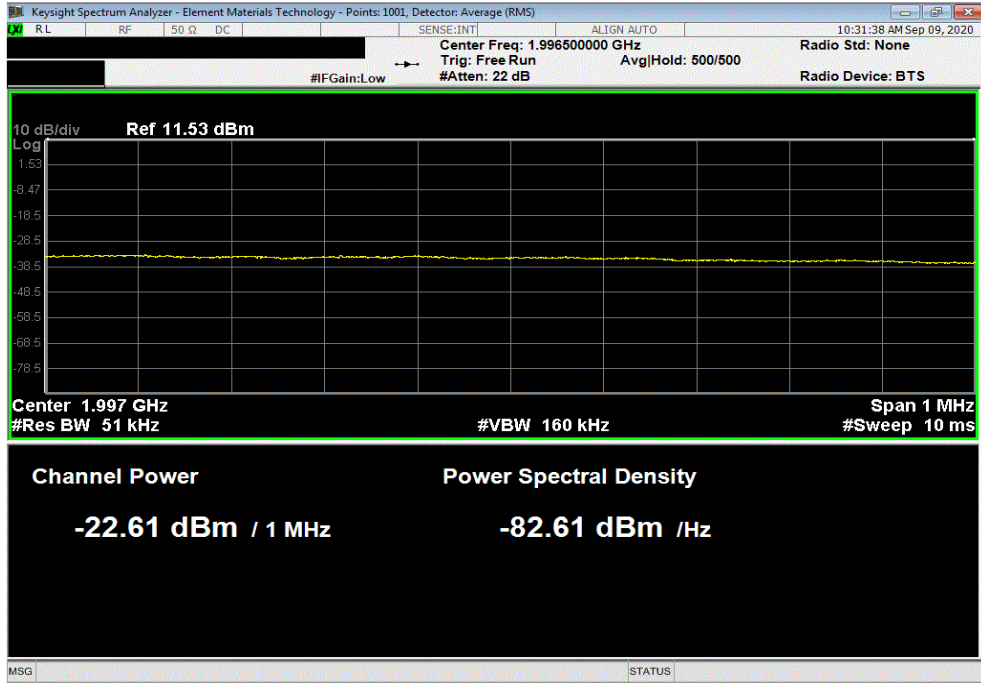


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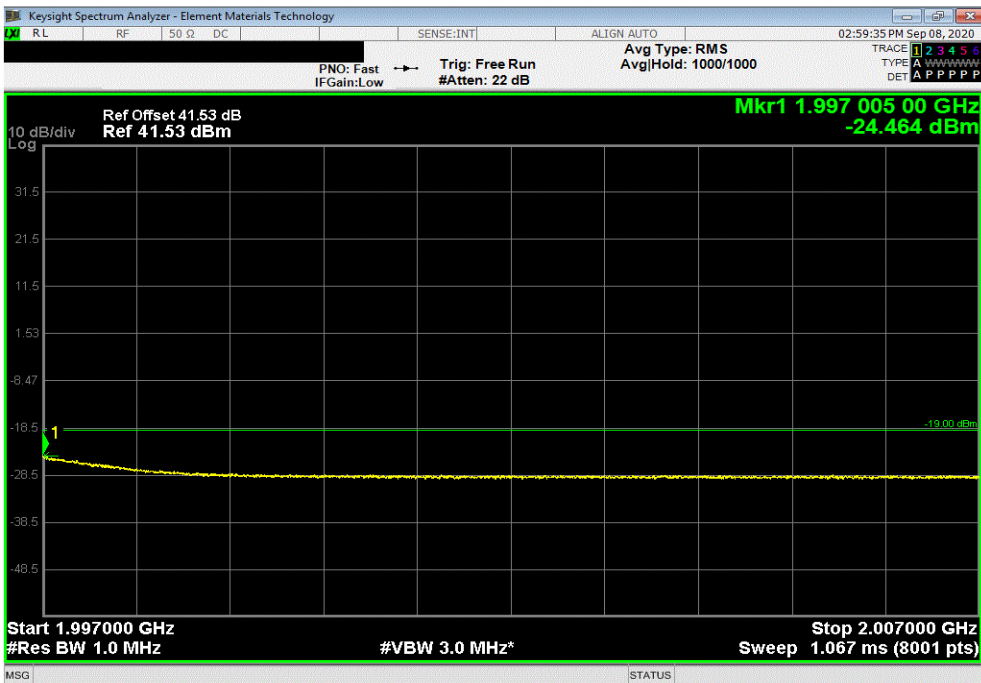


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range						
Value (dBm)	Limit (dBm)	Result				
-22.61	-19	Pass				



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range						
Value (dBm)	Limit (dBm)	Result				
-24.46	-19	Pass				

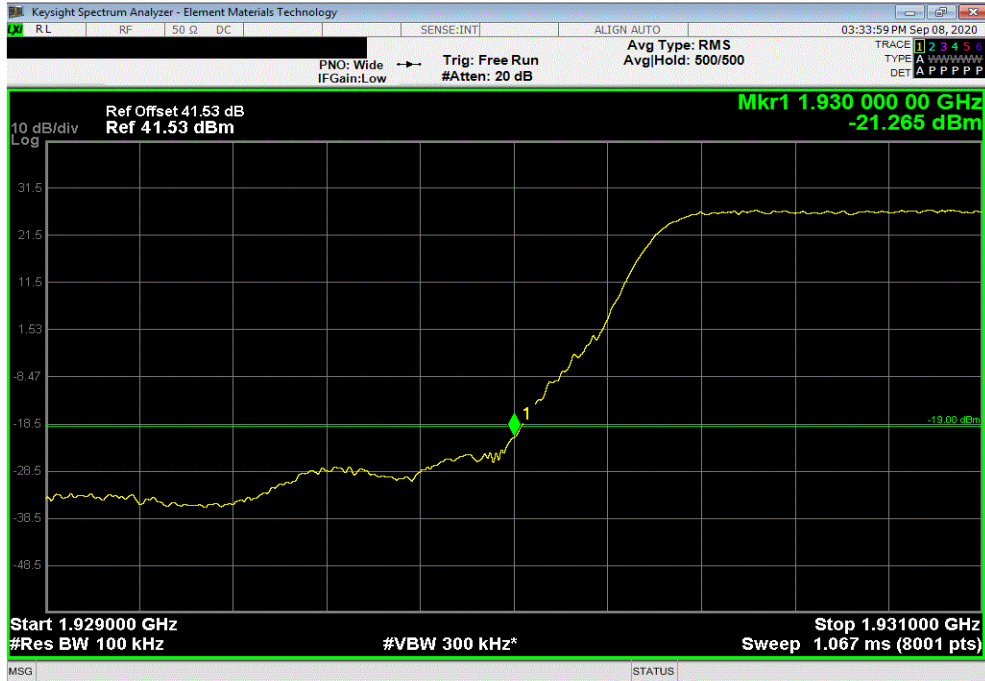


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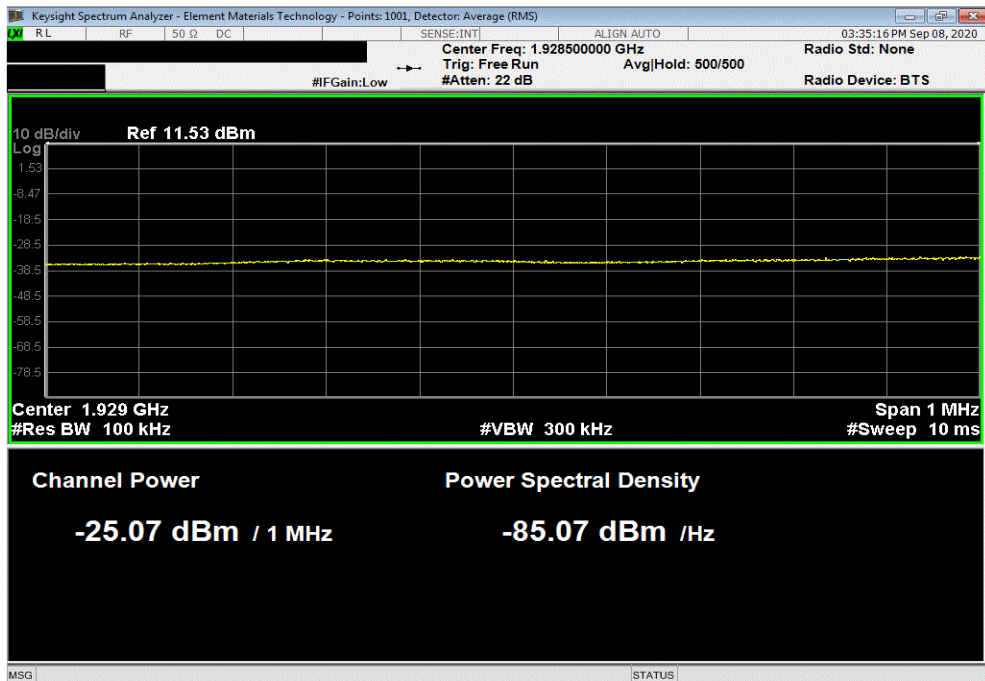


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, QPSK Modulation , Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-21.27	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, QPSK Modulation , Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-25.07	-19	Pass		

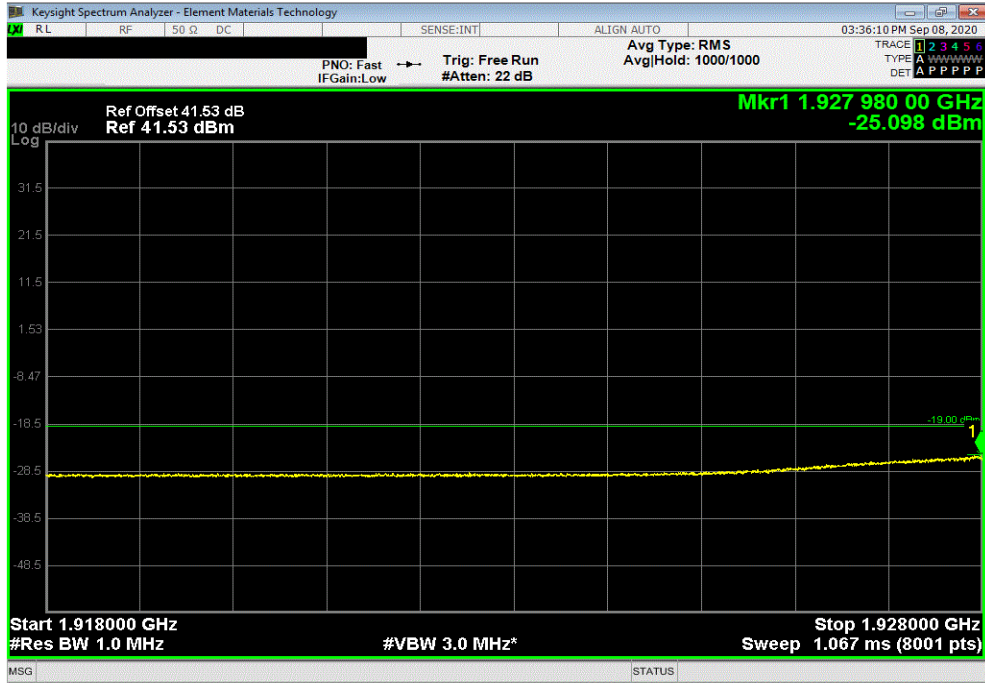


BAND EDGE COMPLIANCE



TMTX 2020.09.08.0 BETA XMt 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, QPSK Modulation , Low Channel, 1935.0 MHz						
Frequency		Value (dBm)	Limit (dBm)	Result		
Range						
3		-25.1	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, QPSK Modulation , High Channel, 1990 MHz						
Frequency		Value (dBm)	Limit (dBm)	Result		
Range						
1		-22.88	-19	Pass		

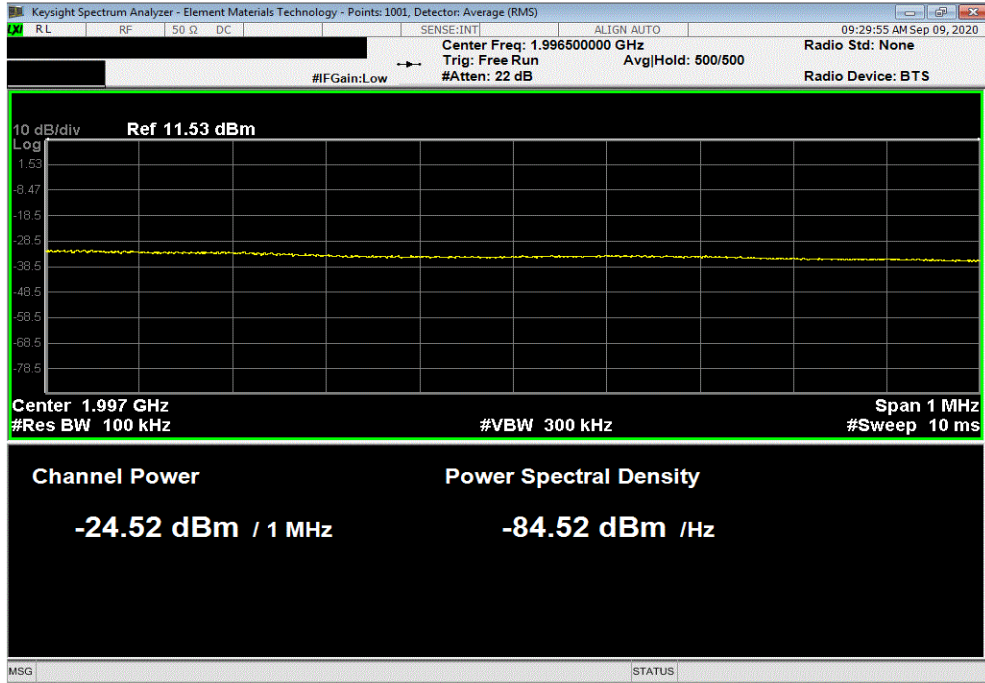


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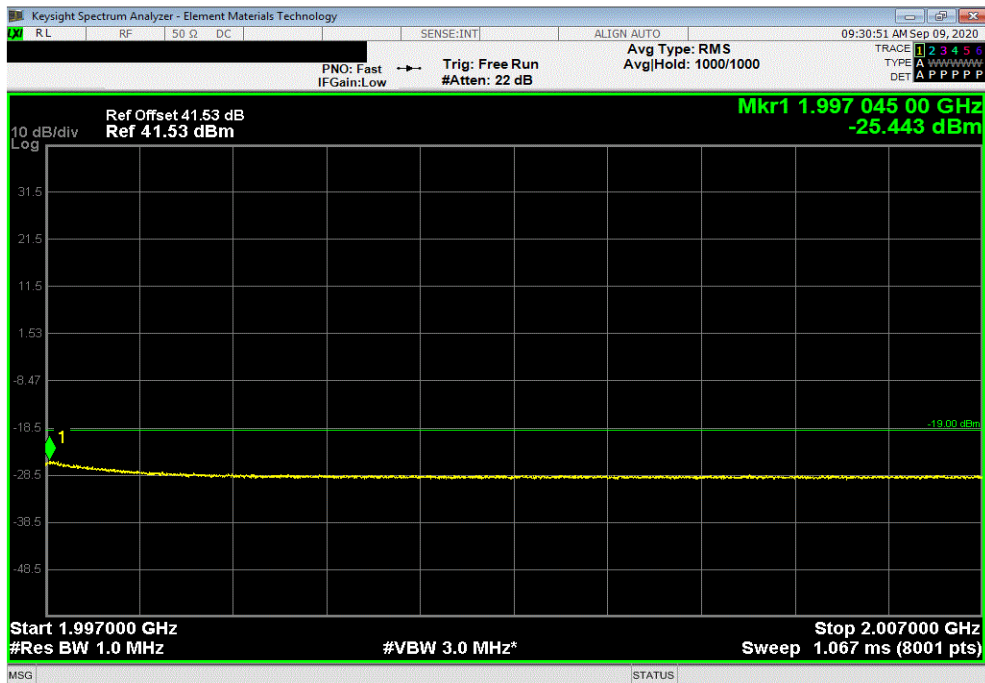


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Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-24.52	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-25.44	-19	Pass		

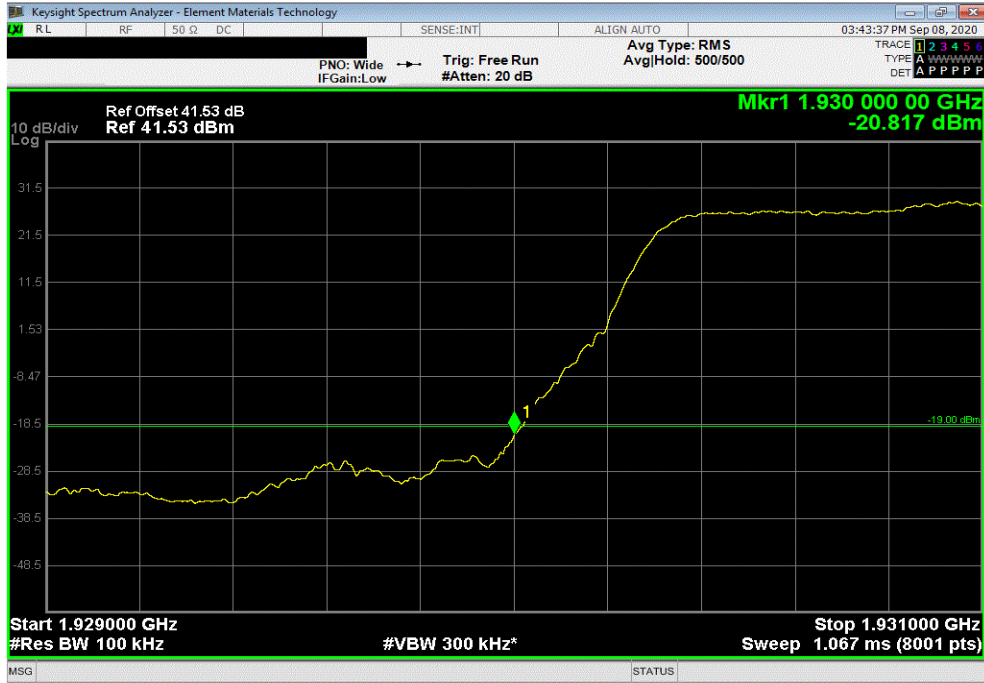


BAND EDGE COMPLIANCE

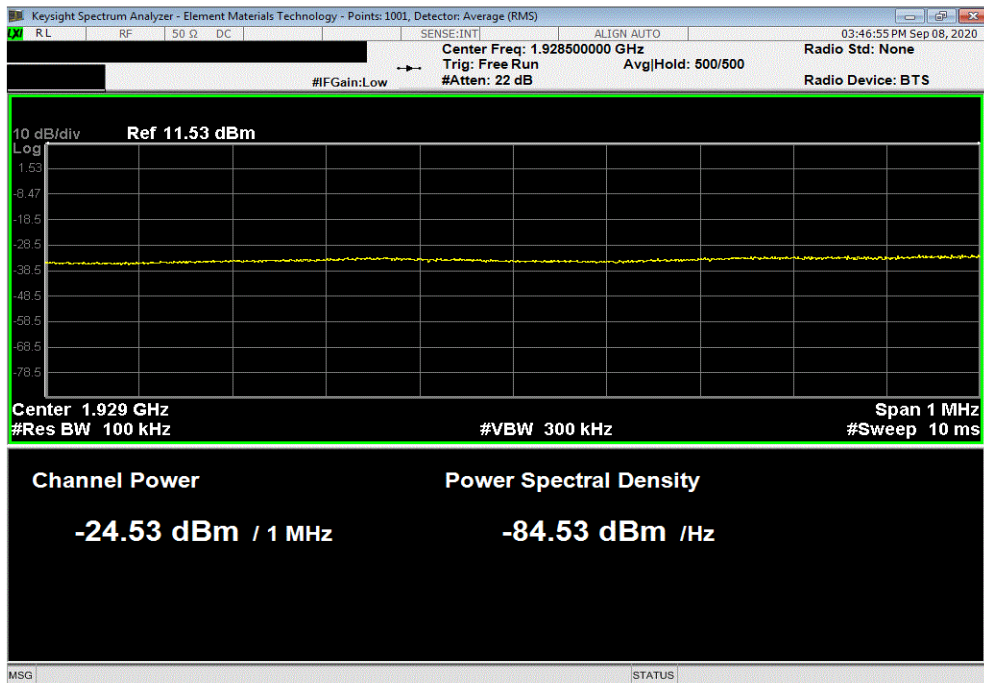


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-20.82	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-24.53	-19	Pass		

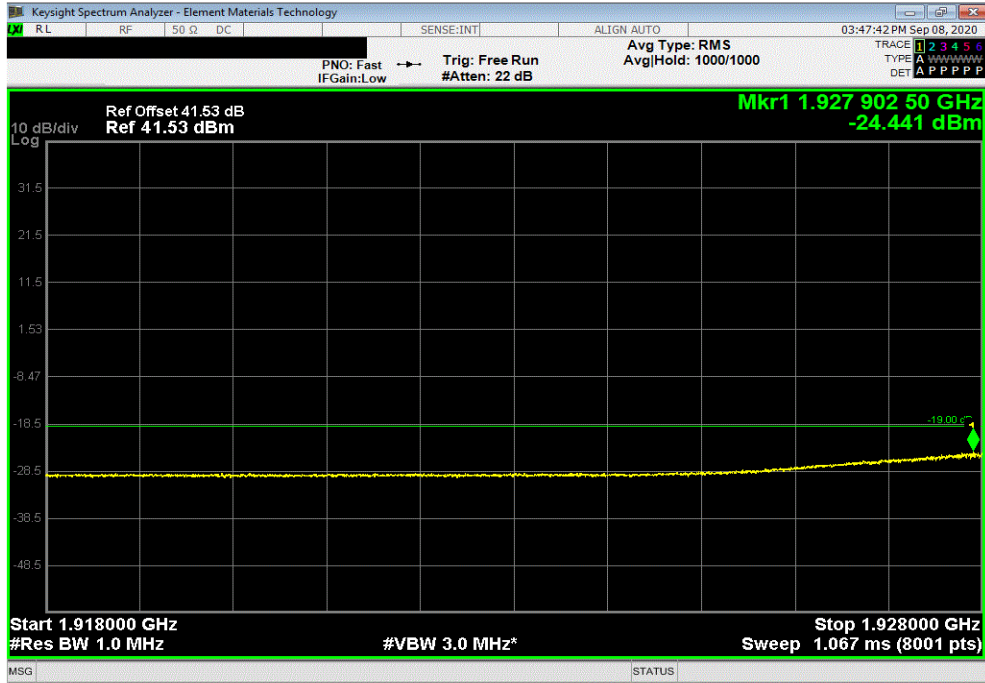


BAND EDGE COMPLIANCE

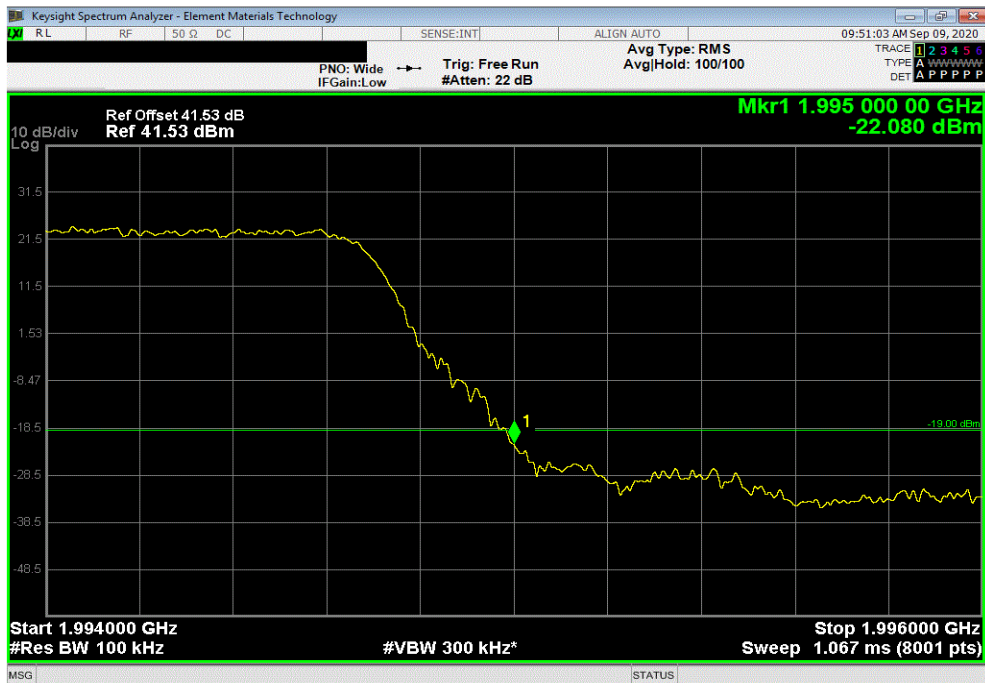


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-24.44	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-22.08	-19	Pass		

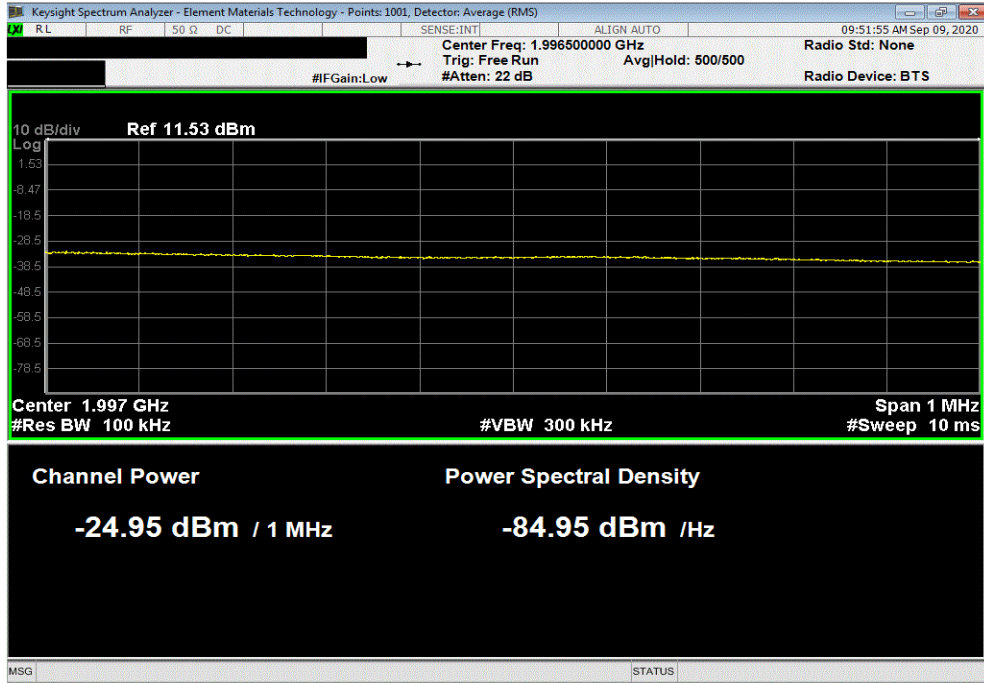


BAND EDGE COMPLIANCE

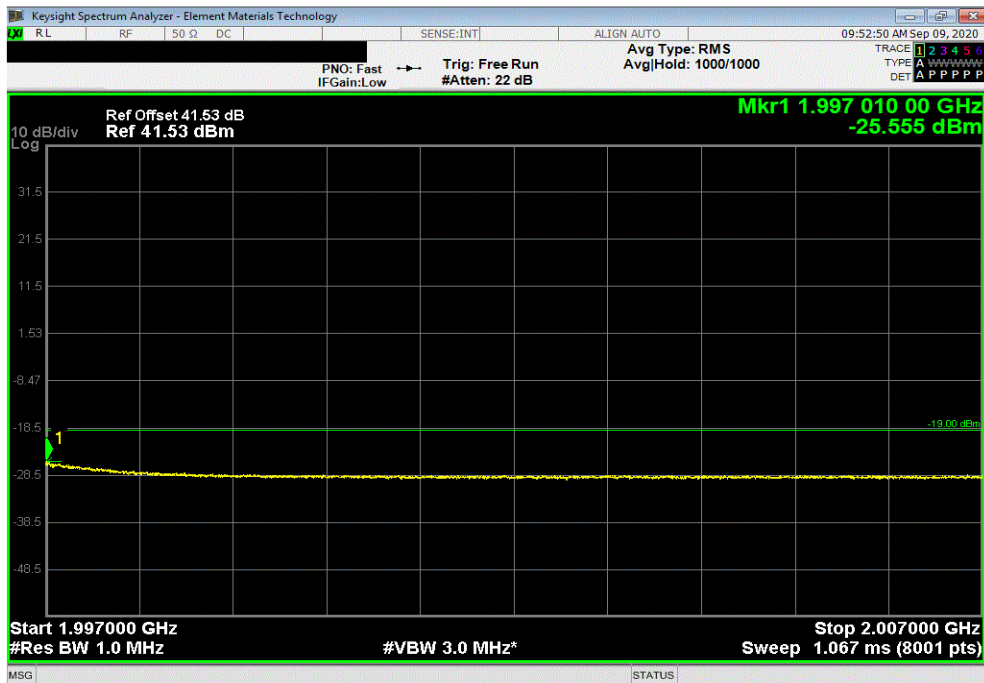


TMTx 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-24.95	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-25.56	-19	Pass		

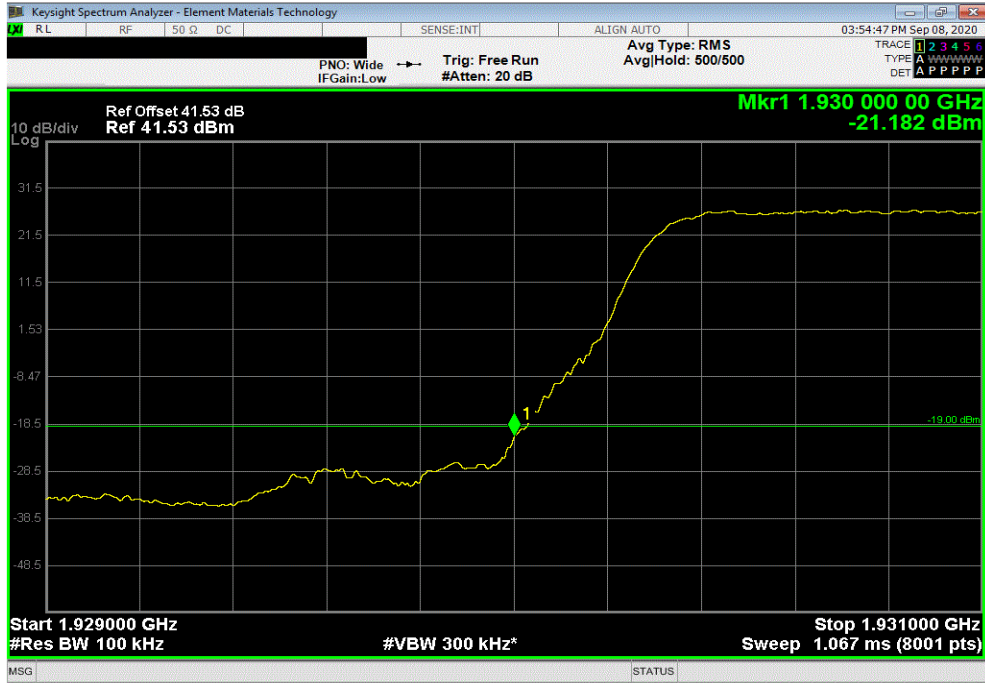


BAND EDGE COMPLIANCE

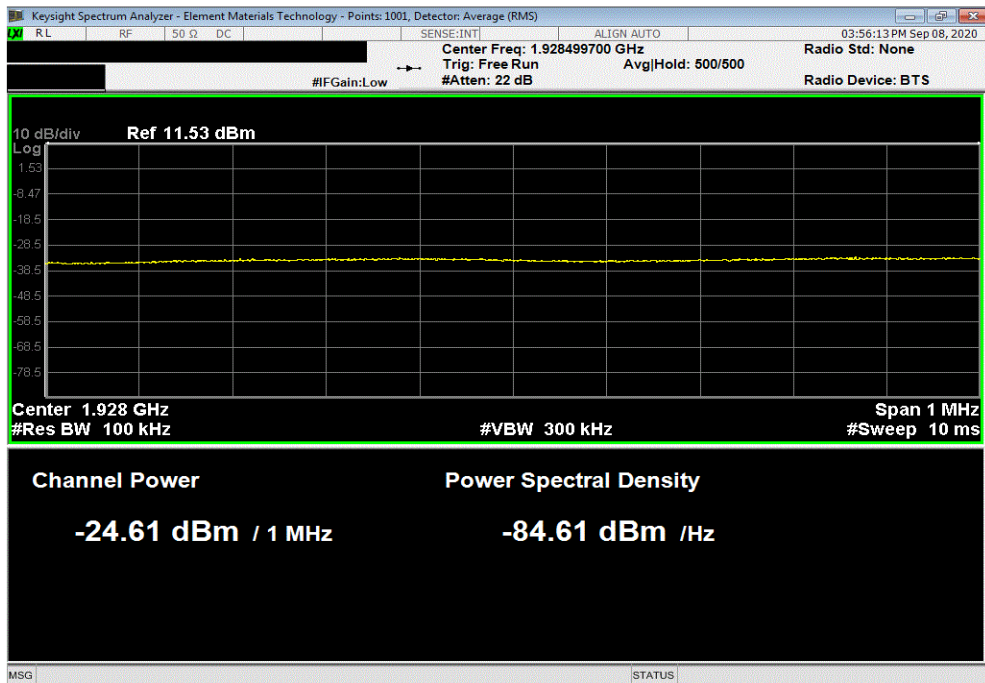


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-21.18	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-24.61	-19	Pass		

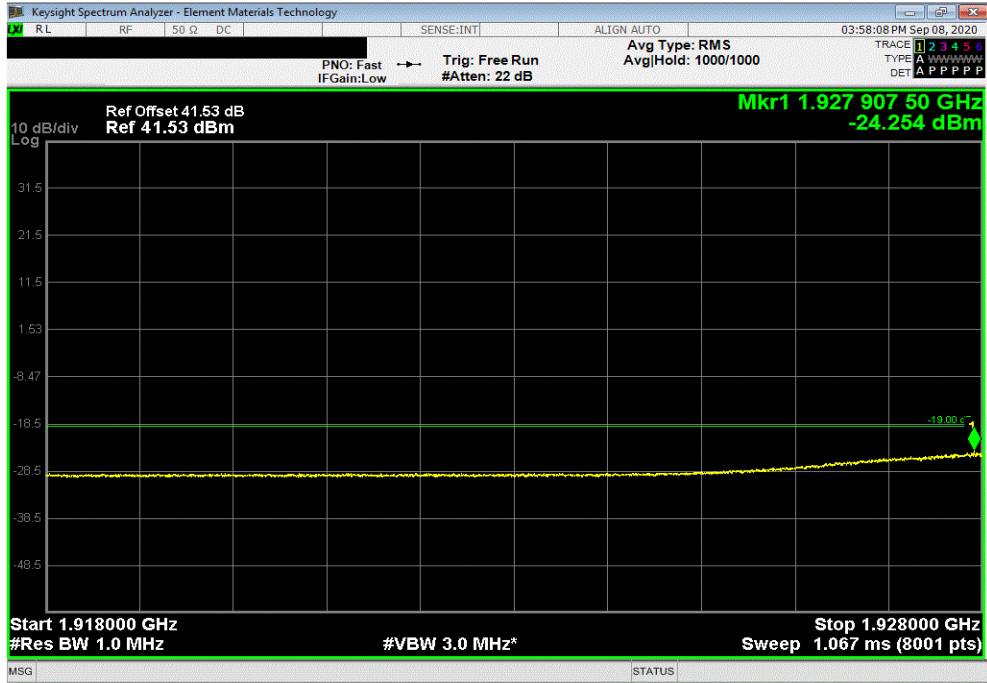


BAND EDGE COMPLIANCE

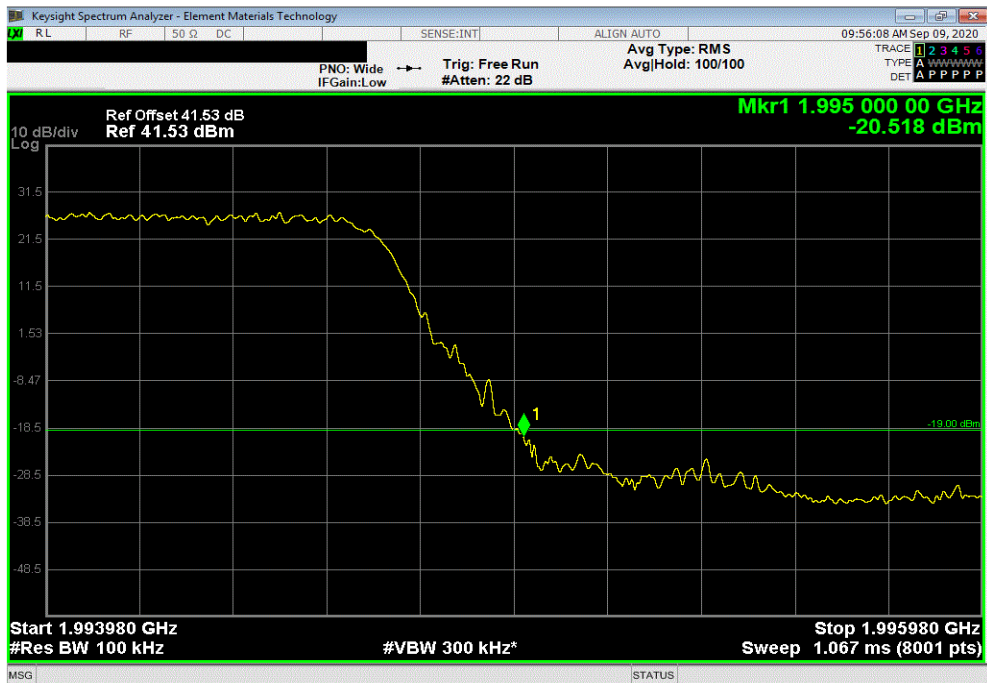


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-24.25	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-20.52	-19	Pass		

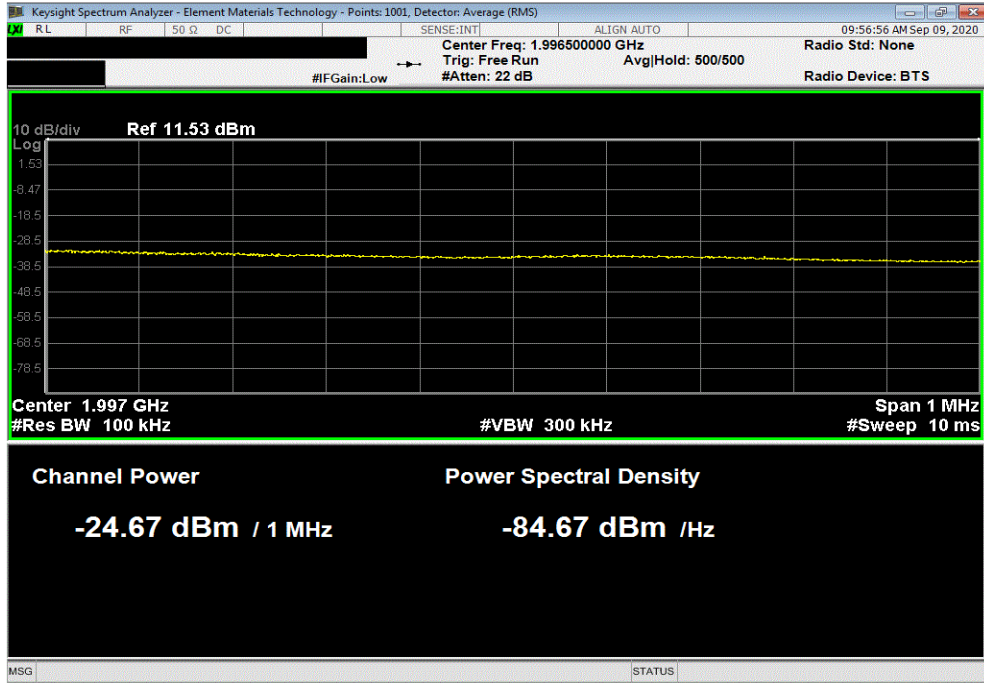


BAND EDGE COMPLIANCE

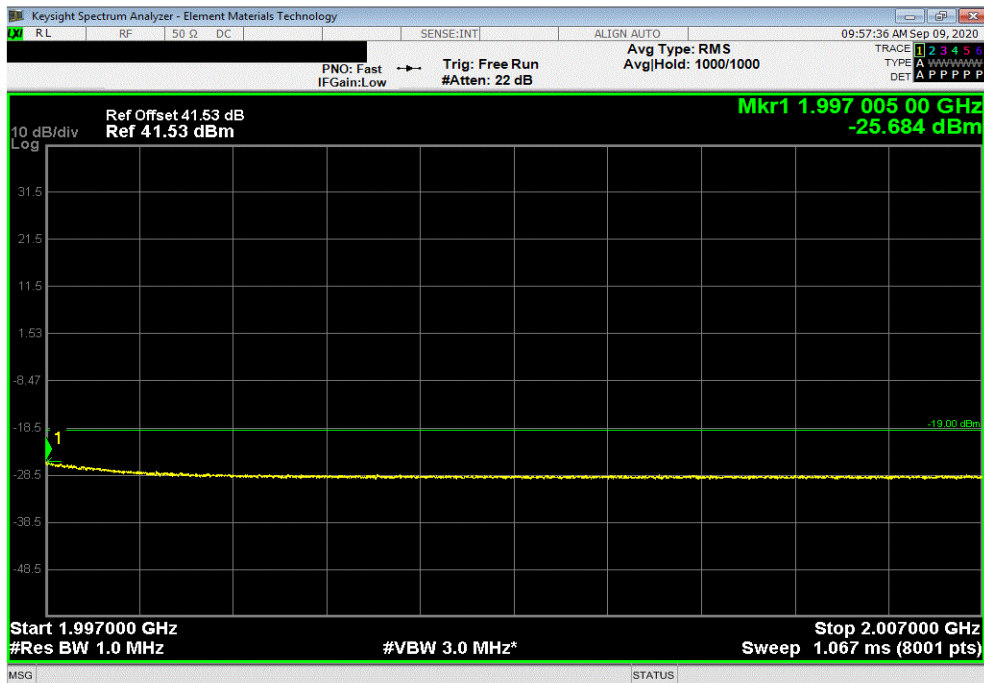


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 1990 MHz						
Frequency						
Range	Value (dBm)	Limit (dBm)	Result			
2	-24.67	-19	Pass			



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 1990 MHz						
Frequency						
Range	Value (dBm)	Limit (dBm)	Result			
3	-25.68	-19	Pass			



BAND EDGE COMPLIANCE

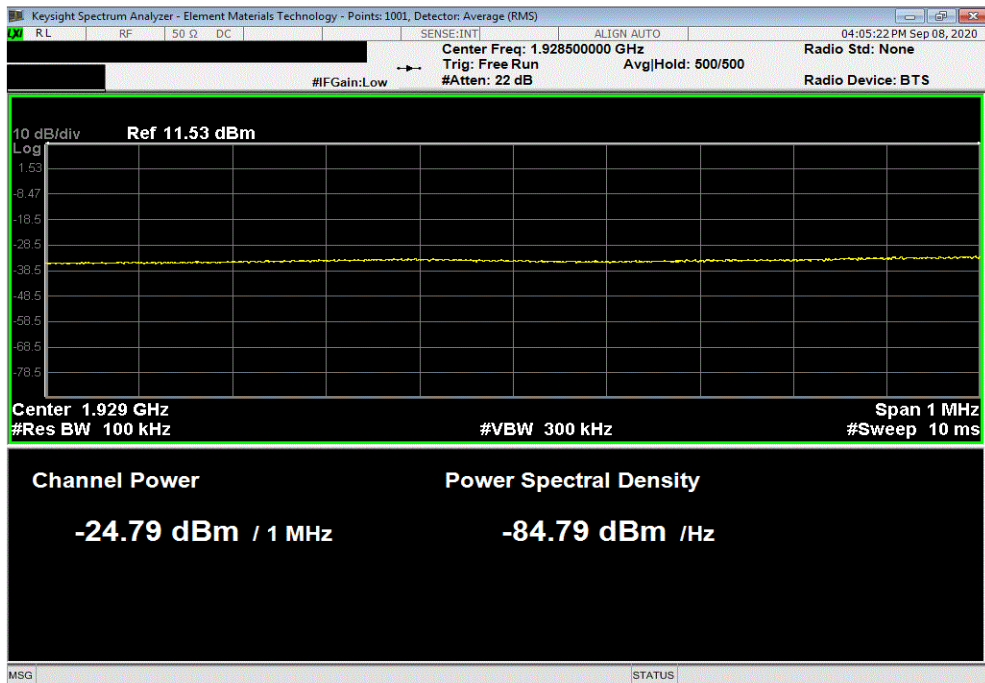


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-20.22	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-24.79	-19	Pass		

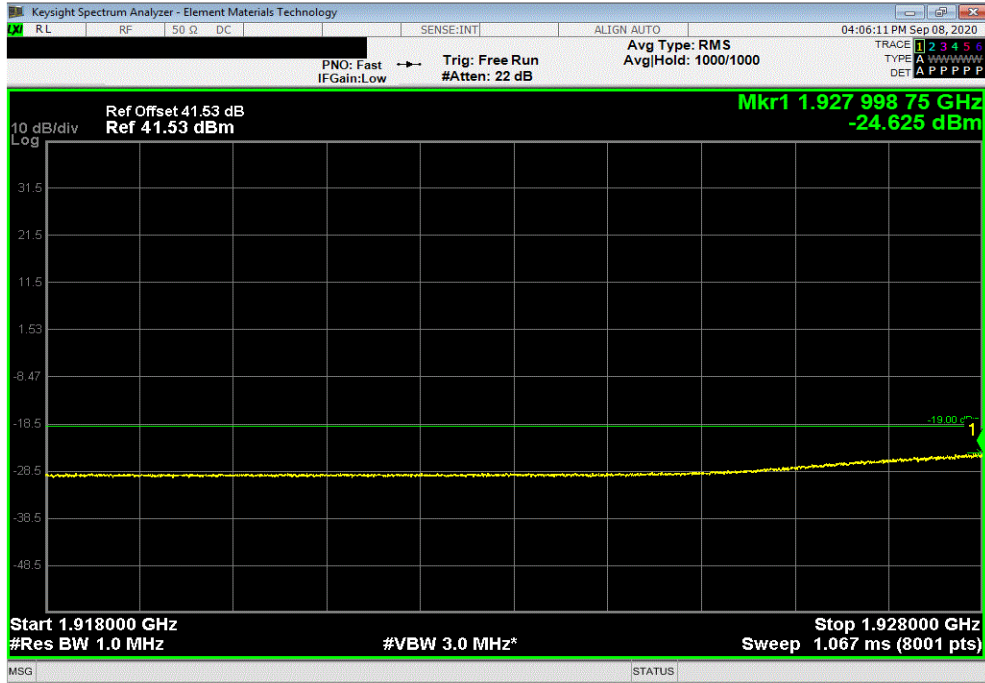


BAND EDGE COMPLIANCE

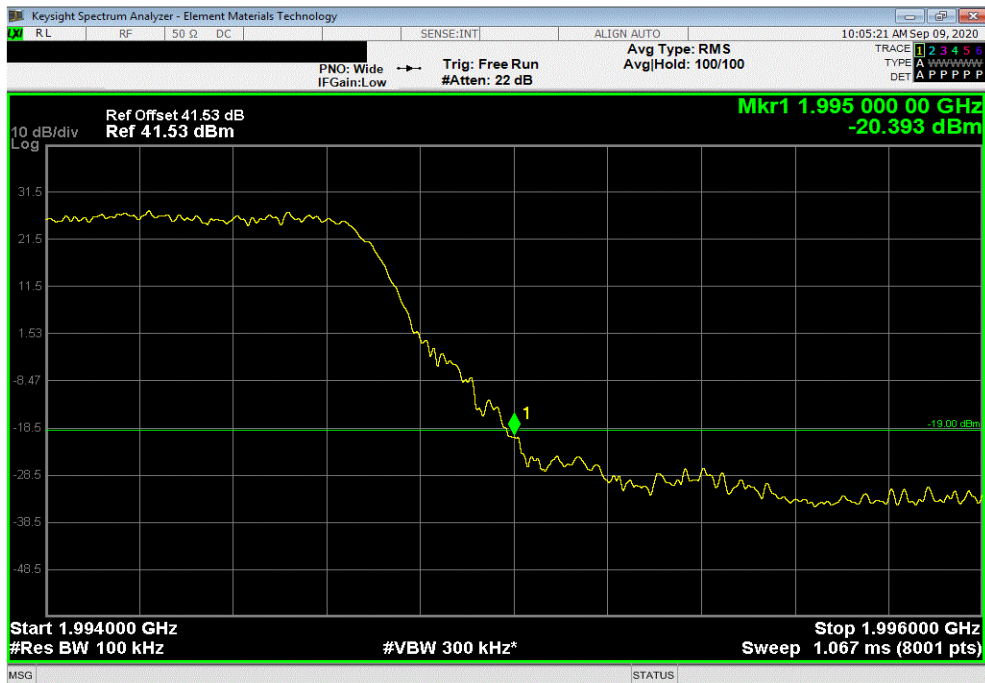


TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1935.0 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-24.63	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
1		-20.39	-19	Pass		

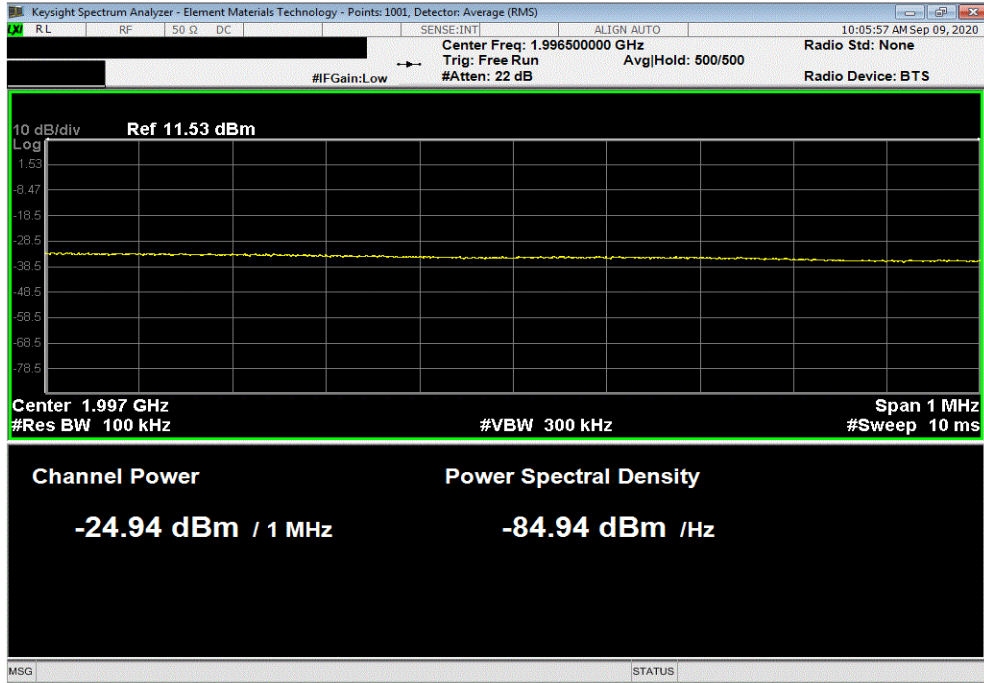


BAND EDGE COMPLIANCE



TMTX 2020.09.08.0 BETA XMI 2020.03.25.0

Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
2		-24.94	-19	Pass		



Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 1990 MHz						
Frequency Range		Value (dBm)	Limit (dBm)	Result		
3		-25.56	-19	Pass		

