

BAND EDGE COMPLIANCE - 5G NR



XMit 2020.12.30.0

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	2021-03-11	2022-03-11
Block - DC	Fairview Microwave	SD3239	ANC	2021-06-24	2022-06-24
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17

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.

Per FCC Part 27.53(m)(2), the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The BTS may operate as a 8 port MIMO transmitter with transmitter outputs connected to four cross-polarized antennas [four transmitter outputs are connected to (+) radiators and four transmitter outputs are connected to (-) radiators]. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01, ANSI C63.26-2015 section 6.4.6.3 b)2) and KDB 662911 D02v01 page 3 example (2) since the transmitter outputs to each antenna are 90 degree-phase shifted relative to each other (cross-polarized radiators).

Per FCC 27.53(m)(6), "Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.....A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified)".

RF conducted emissions testing was performed only on one port. The AZHL antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown during output power testing) and antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraphs 5.2.5.3, 5.7.2i, and 6.4.

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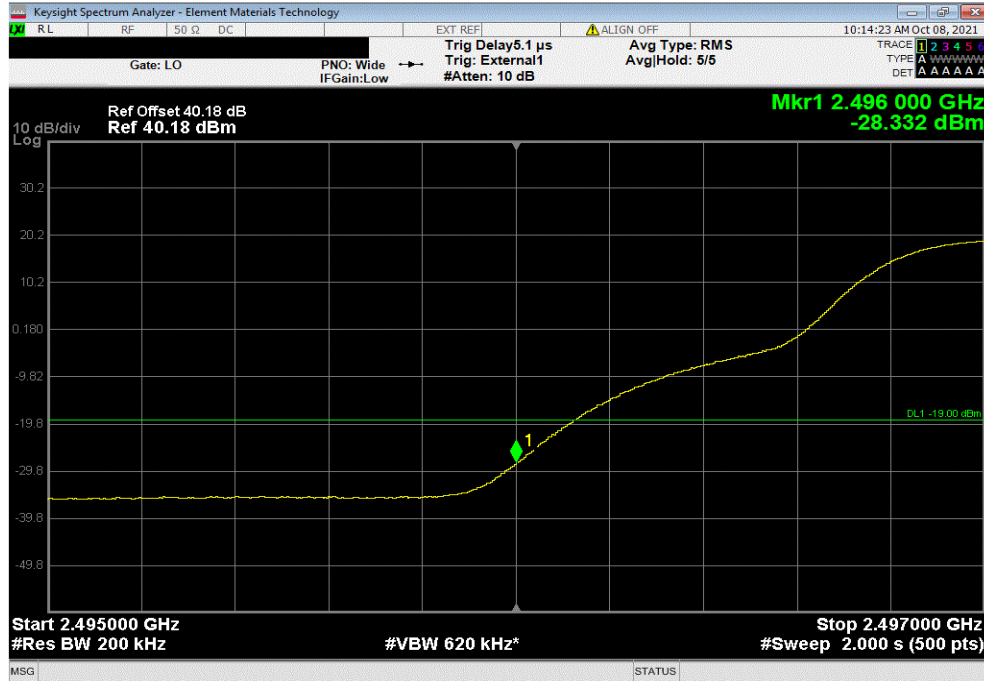
EUT: AZHL (C2PC LTE/5G NR B41)		Work Order: NOKI0035			
Serial Number: YK203400025		Date: 8-Oct-21			
Customer: Nokia Solutions and Networks		Temperature: 21.1 °C			
Attendees: David Le, John Rattanavong		Humidity: 50.6% RH			
Project: None		Barometric Pres.: 1021 mbar			
Tested by: Brandon Hobbs		Power: 54 VDC	Job Site: TX09		
TEST SPECIFICATIONS		Test Method			
FCC 27:2021		ANSI C63.26:2015			
COMMENTS					
All losses in the measurement path were accounted for: attenuators, cables, DC block and filter when in use. Band n41 carriers and enabled at maximum power. External 1 gating was set using a trig delay = 86.2us and a gate length = 3.714ms.					
DEVIATIONS FROM TEST STANDARD					
None					
Configuration #	2	Signature 			
		Frequency Range	Max Value (dBm)	Limit (dBm)	Result
Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz					
(NR20) 20 MHz Bandwidth					
256QAM Modulation					
	Low Channel 2506.02 MHz	1	-28.3	-19	Pass
	Low Channel 2506.02 MHz	2	-26.8	-19	Pass
	High Channel 2679.99 MHz	1	-26.9	-19	Pass
	High Channel 2679.99 MHz	2	-25.8	-19	Pass
(NR30) 30 MHz Bandwidth					
256QAM Modulation					
	Low Channel 2511.00 MHz	1	-25.4	-19	Pass
	Low Channel 2511.00 MHz	2	-27.9	-19	Pass
	High Channel 2674.98 MHz	1	-25.4	-19	Pass
	High Channel 2674.98 MHz	2	-26.3	-19	Pass
(NR40) 40 MHz Bandwidth					
256QAM Modulation					
	Low Channel 2516.01 MHz	1	-27.9	-19	Pass
	Low Channel 2516.01 MHz	2	-26.9	-19	Pass
	High Channel 2670.00 MHz	1	-26.9	-19	Pass
	High Channel 2670.00 MHz	2	-25.5	-19	Pass
(NR50) 50 MHz Bandwidth					
256QAM Modulation					
	Low Channel 2521.02 MHz	1	-28.0	-19	Pass
	Low Channel 2521.02 MHz	2	-26.9	-19	Pass
	High Channel 2664.99 MHz	1	-26.5	-19	Pass
	High Channel 2664.99 MHz	2	-25.5	-19	Pass
(NR60) 60 MHz Bandwidth					
256QAM Modulation					
	Low Channel 2526.00 MHz	1	-25.4	-19	Pass
	Low Channel 2526.00 MHz	2	-26.1	-19	Pass
	High Channel 2659.98 MHz	1	-24.3	-19	Pass
	High Channel 2659.98 MHz	2	-24.7	-19	Pass
(NR70) 70 MHz Bandwidth					
256QAM Modulation					
	Low Channel 2531.01 MHz	1	-28.2	-19	Pass
	Low Channel 2531.01 MHz	2	-28.0	-19	Pass
	Low Channel 2531.01 MHz	3	-27.2	-19	Pass
	Low Channel 2531.01 MHz	4	-27.2	-19	Pass
	High Channel 2655.00 MHz	1	-26.1	-19	Pass
	High Channel 2655.00 MHz	2	-26.4	-19	Pass
	High Channel 2655.00 MHz	3	-25.1	-19	Pass
	High Channel 2655.00 MHz	4	-24.5	-19	Pass
(NR80) 80 MHz Bandwidth					
256QAM Modulation					
	Low Channel 2536.02 MHz	1	-26.8	-19	Pass
	Low Channel 2536.02 MHz	2	-26.7	-19	Pass
	Low Channel 2536.02 MHz	3	-26.2	-19	Pass
	Low Channel 2536.02 MHz	4	-26.3	-19	Pass
	High Channel 2649.99 MHz	1	-24.6	-19	Pass
	High Channel 2649.99 MHz	2	-24.6	-19	Pass
	High Channel 2649.99 MHz	3	-23.9	-19	Pass
	High Channel 2649.99 MHz	4	-23.2	-19	Pass
(NR90) 90 MHz Bandwidth					
QPSK Modulation					
	Low Channel 2541.00 MHz	1	-26.3	-19	Pass
	Low Channel 2541.00 MHz	2	-26.4	-19	Pass
	Low Channel 2541.00 MHz	3	-26.3	-19	Pass
	Low Channel 2541.00 MHz	4	-26.2	-19	Pass
	High Channel 2644.98 MHz	1	-23.1	-19	Pass
	High Channel 2644.98 MHz	2	-23.4	-19	Pass
	High Channel 2644.98 MHz	3	-23.5	-19	Pass
	High Channel 2644.98 MHz	4	-23.2	-19	Pass
16QAM Modulation					
	Low Channel 2541.00 MHz	1	-26.0	-19	Pass
	Low Channel 2541.00 MHz	2	-26.0	-19	Pass
	Low Channel 2541.00 MHz	3	-25.9	-19	Pass
	Low Channel 2541.00 MHz	4	-26.1	-19	Pass
	High Channel 2644.98 MHz	1	-23.4	-19	Pass
	High Channel 2644.98 MHz	2	-24.1	-19	Pass
	High Channel 2644.98 MHz	3	-24.1	-19	Pass
	High Channel 2644.98 MHz	4	-23.3	-19	Pass
64QAM Modulation					
	Low Channel 2541.00 MHz	1	-25.2	-19	Pass
	Low Channel 2541.00 MHz	2	-25.9	-19	Pass
	Low Channel 2541.00 MHz	3	-26.1	-19	Pass
	Low Channel 2541.00 MHz	4	-25.8	-19	Pass
	High Channel 2644.98 MHz	1	-23.4	-19	Pass
	High Channel 2644.98 MHz	2	-23.9	-19	Pass
	High Channel 2644.98 MHz	3	-23.5	-19	Pass
	High Channel 2644.98 MHz	4	-23.0	-19	Pass
256QAM Modulation					
	Low Channel 2541.00 MHz	1	-25.9	-19	Pass
	Low Channel 2541.00 MHz	2	-25.9	-19	Pass
	Low Channel 2541.00 MHz	3	-25.9	-19	Pass
	Low Channel 2541.00 MHz	4	-25.9	-19	Pass
	High Channel 2644.98 MHz	1	-23.4	-19	Pass
	High Channel 2644.98 MHz	2	-23.7	-19	Pass
	High Channel 2644.98 MHz	3	-23.8	-19	Pass
	High Channel 2644.98 MHz	4	-23.4	-19	Pass

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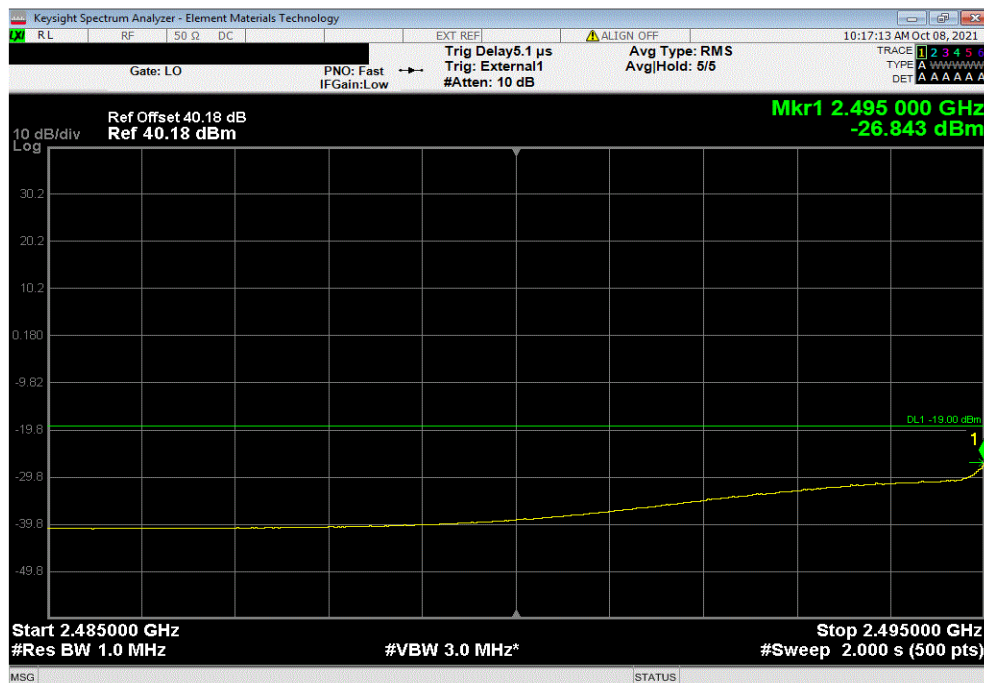


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Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Low Channel 2506.02 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)		Result
1		-28.33		-19		Pass



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Low Channel 2506.02 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)		Result
2		-26.84		-19		Pass

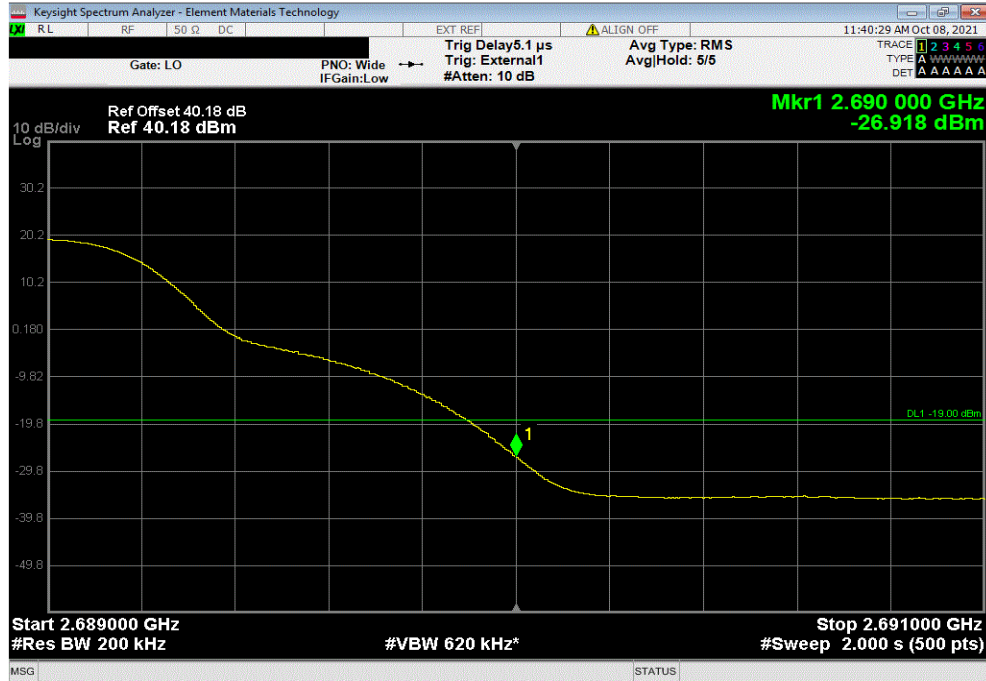


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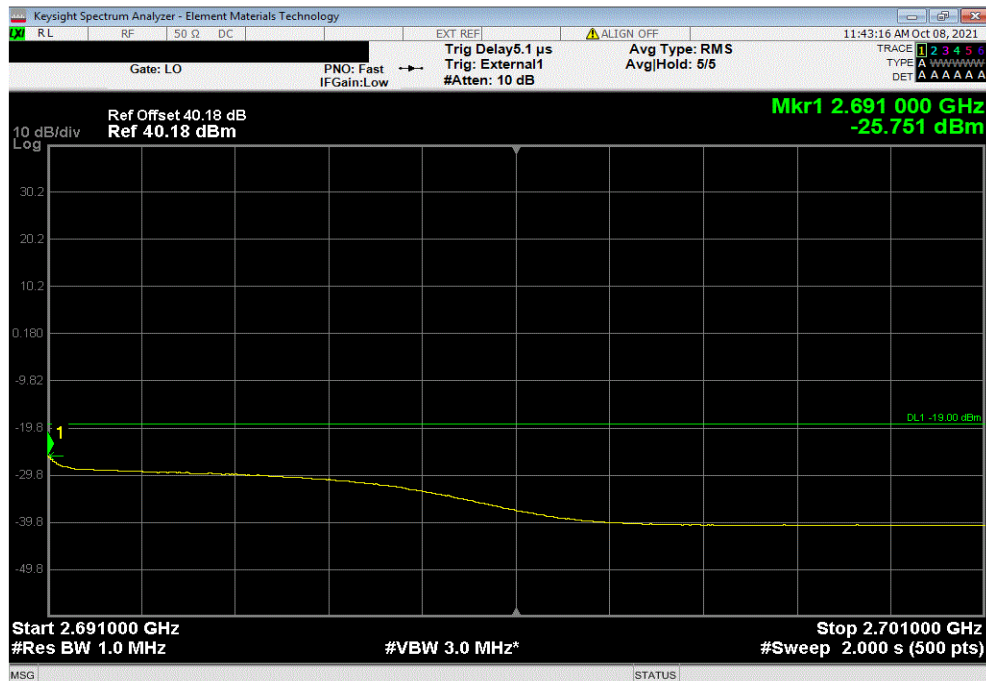


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Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, High Channel 2679.99 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
1				-26.92	-19	Pass



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, High Channel 2679.99 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
2				-25.75	-19	Pass

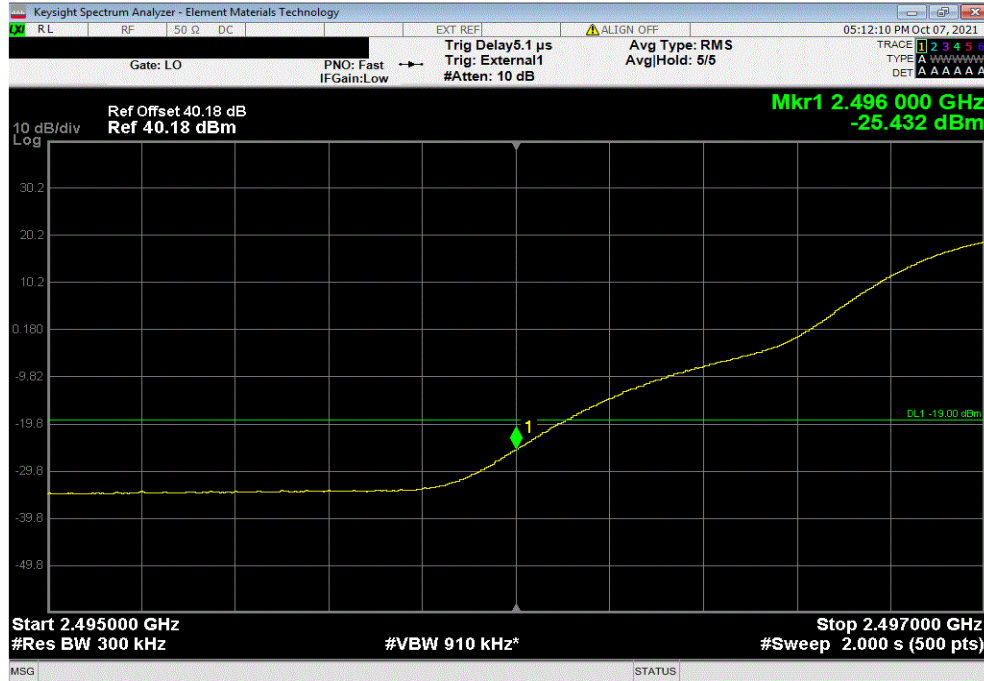


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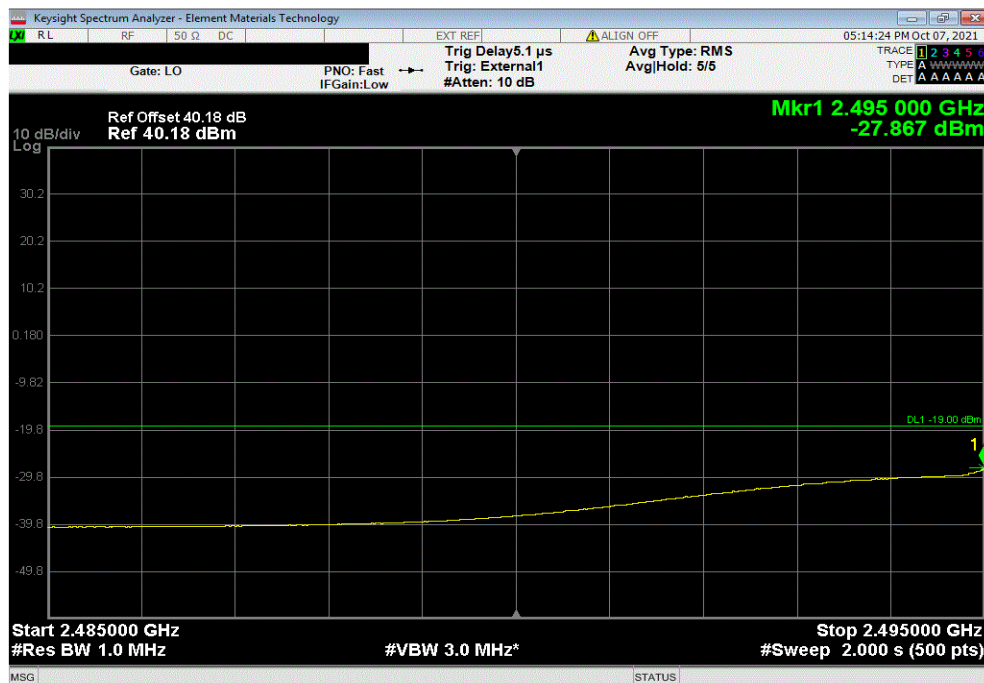


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Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Low Channel 2511.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-25.43	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Low Channel 2511.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-27.87	-19	Pass			

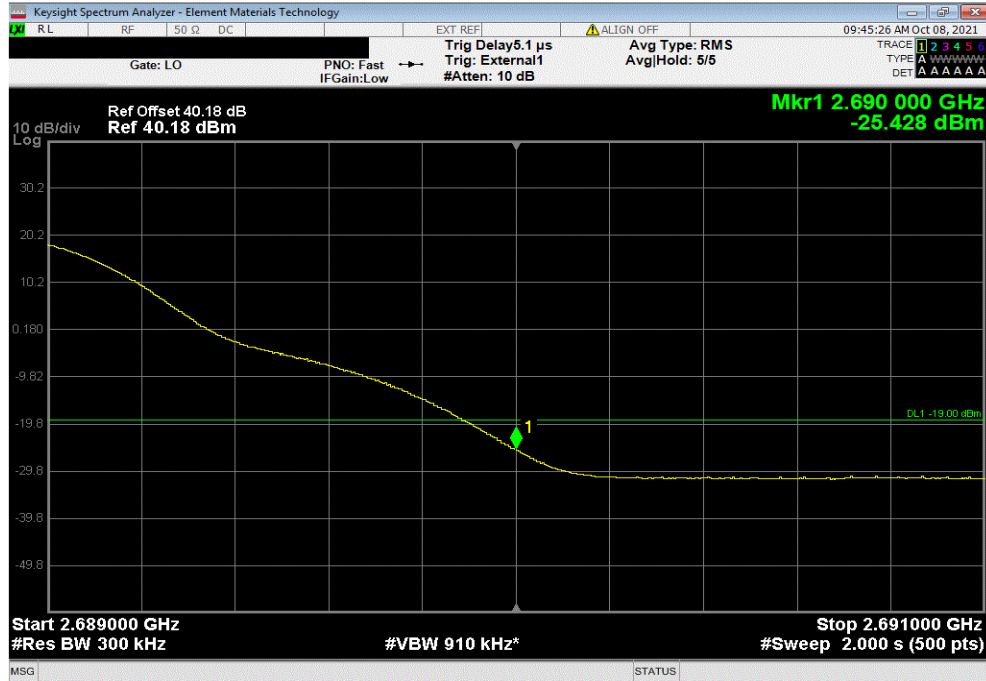


BAND EDGE COMPLIANCE - 5G NR

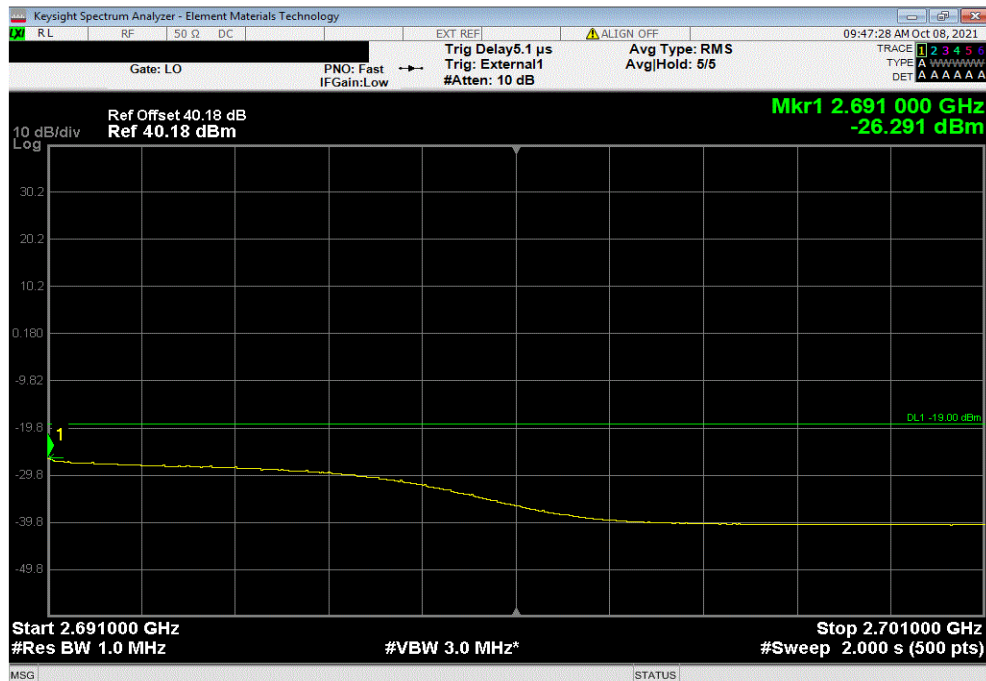


TbTx 2021.03.19.1 XMt 2020.12.30.0

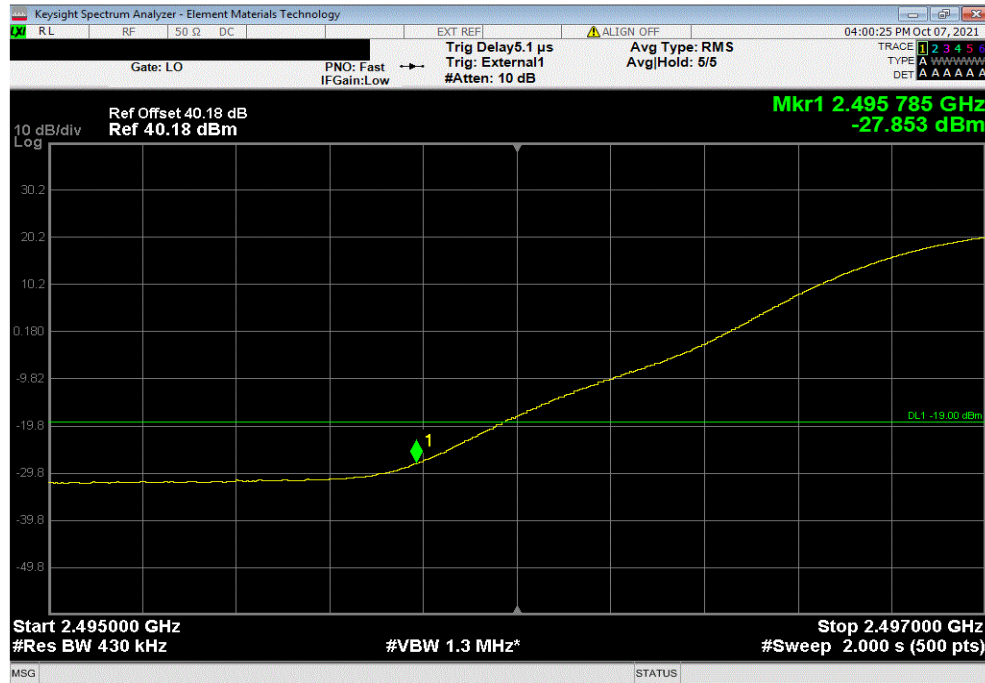
Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, High Channel 2674.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-25.43	-19	Pass			



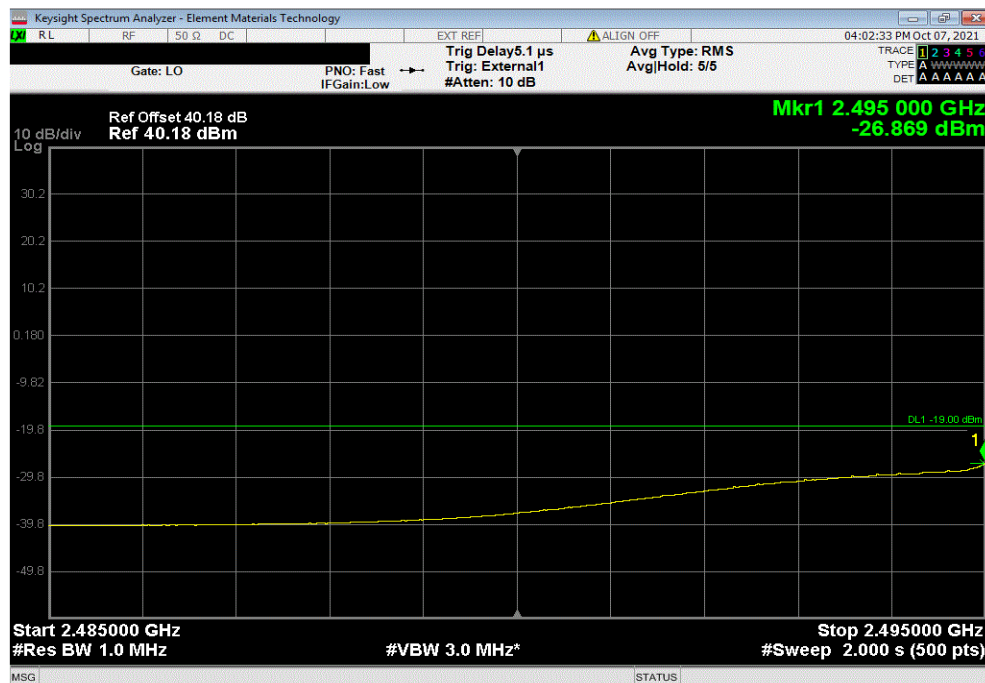
Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, High Channel 2674.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-26.29	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Low Channel 2516.01 MHz							
Frequency Range	Max Value (dBm)	Limit (dBm)	Result				
1	-27.85	-19	Pass				



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Low Channel 2516.01 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
2				-26.87	-19	Pass

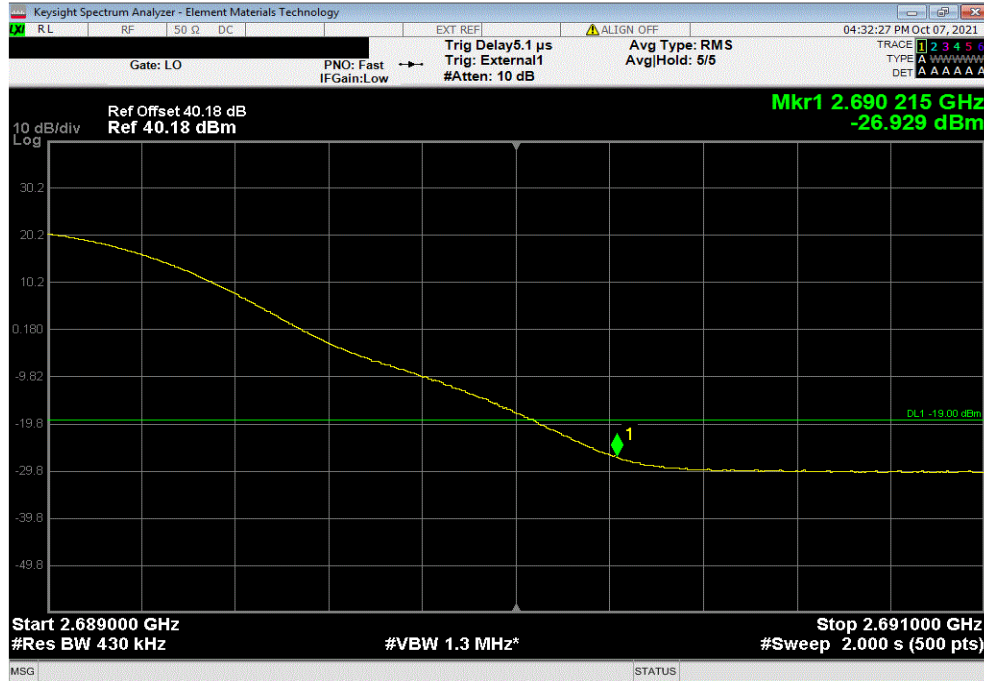


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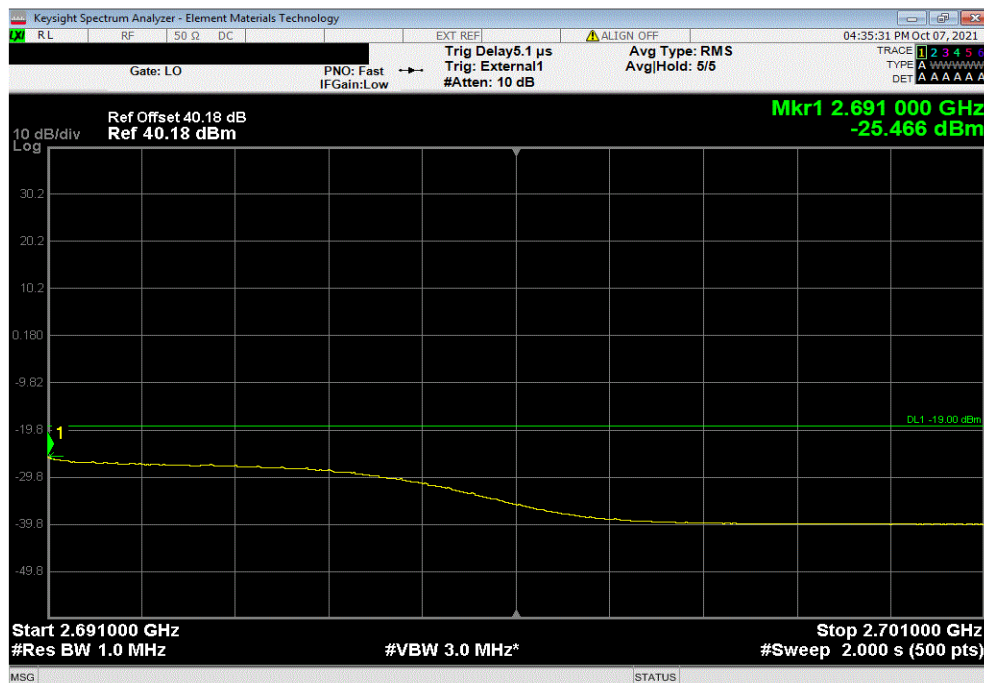


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Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, High Channel 2670.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-26.93	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, High Channel 2670.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-25.47	-19	Pass			

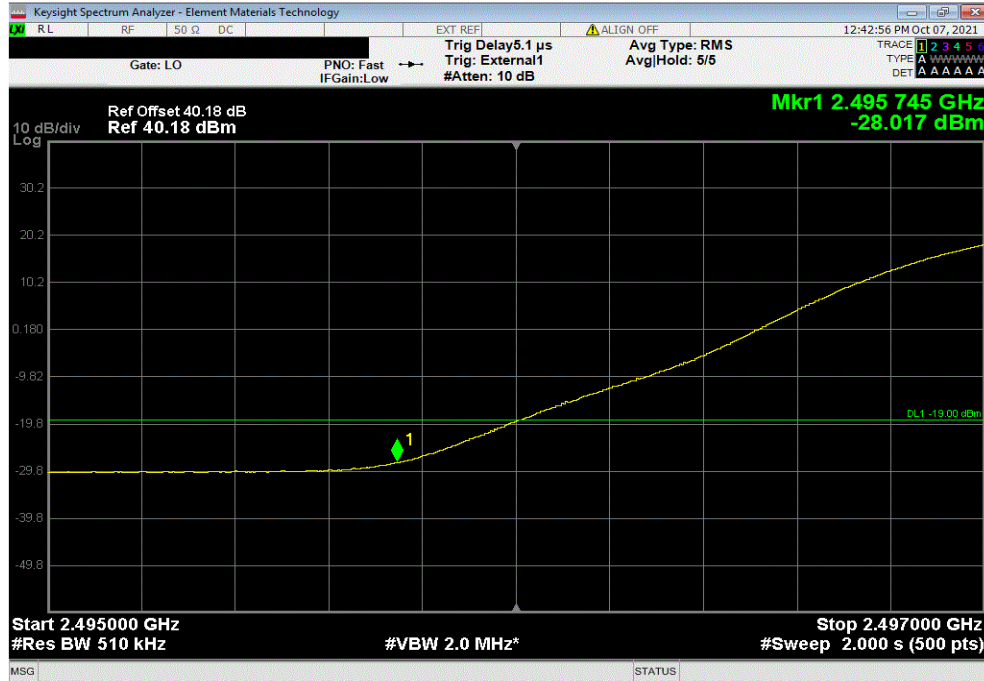


BAND EDGE COMPLIANCE - 5G NR

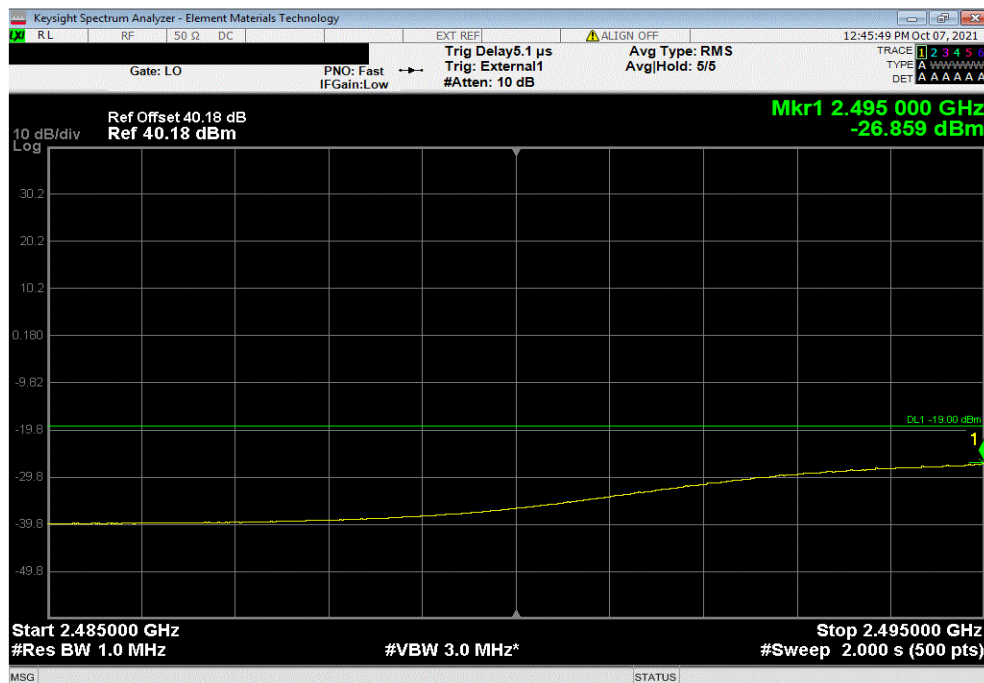


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Low Channel 2521.02 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-28.02	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Low Channel 2521.02 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-26.86	-19	Pass			

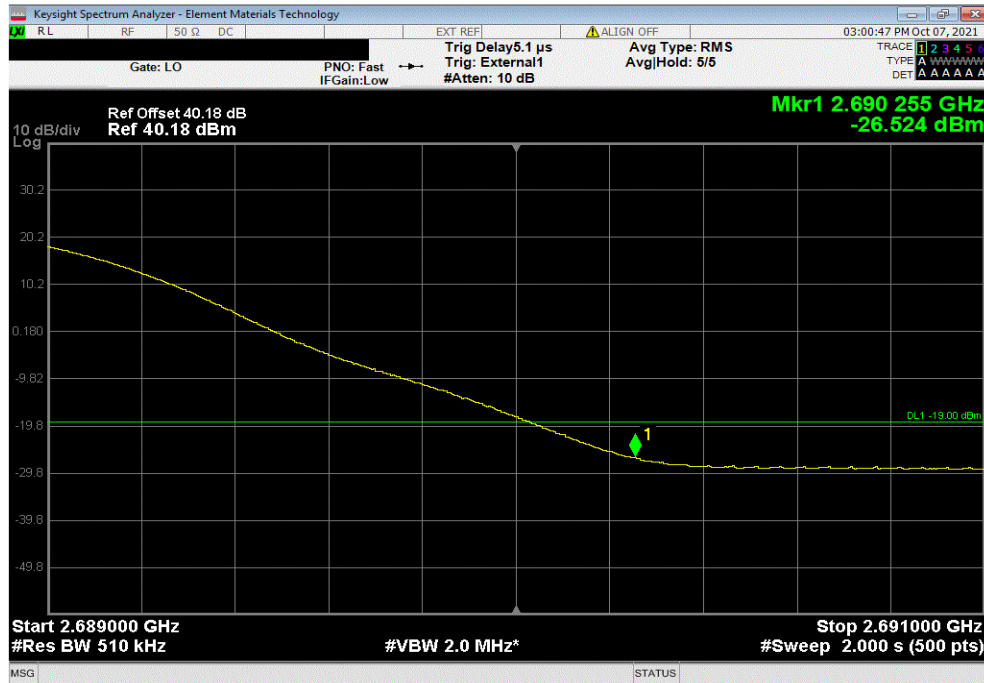


BAND EDGE COMPLIANCE - 5G NR

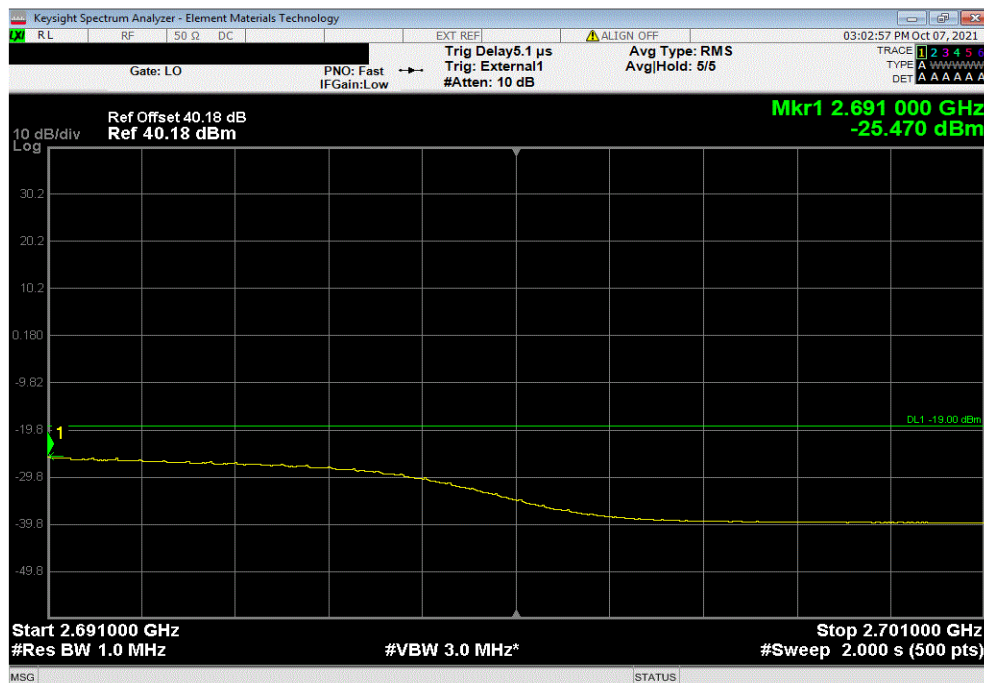


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, High Channel 2664.99 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-26.52	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, High Channel 2664.99 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-25.47	-19	Pass			

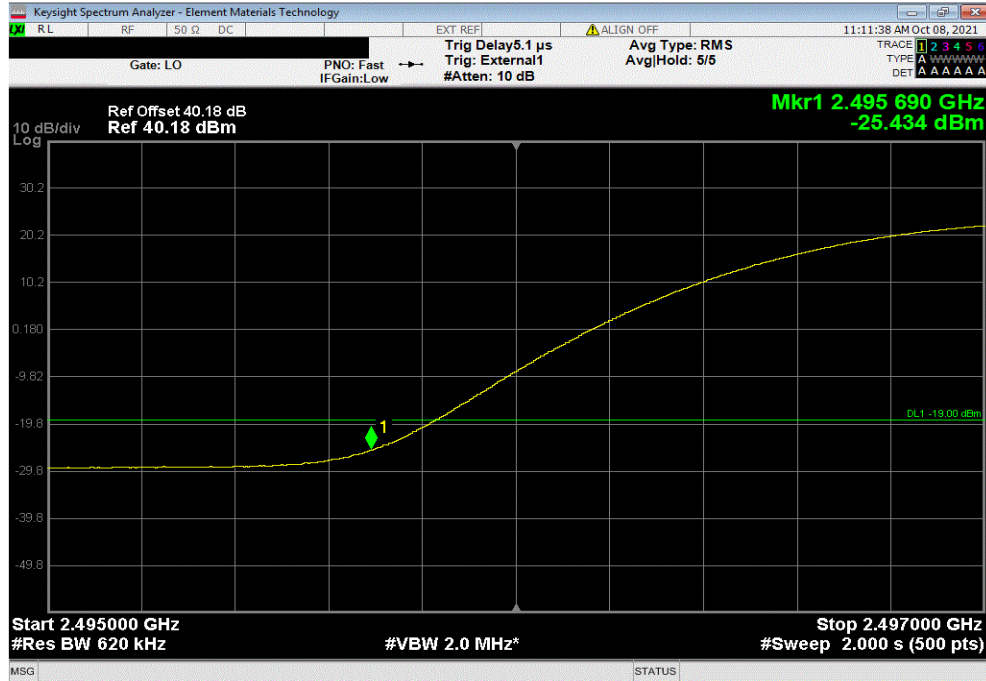


BAND EDGE COMPLIANCE - 5G NR

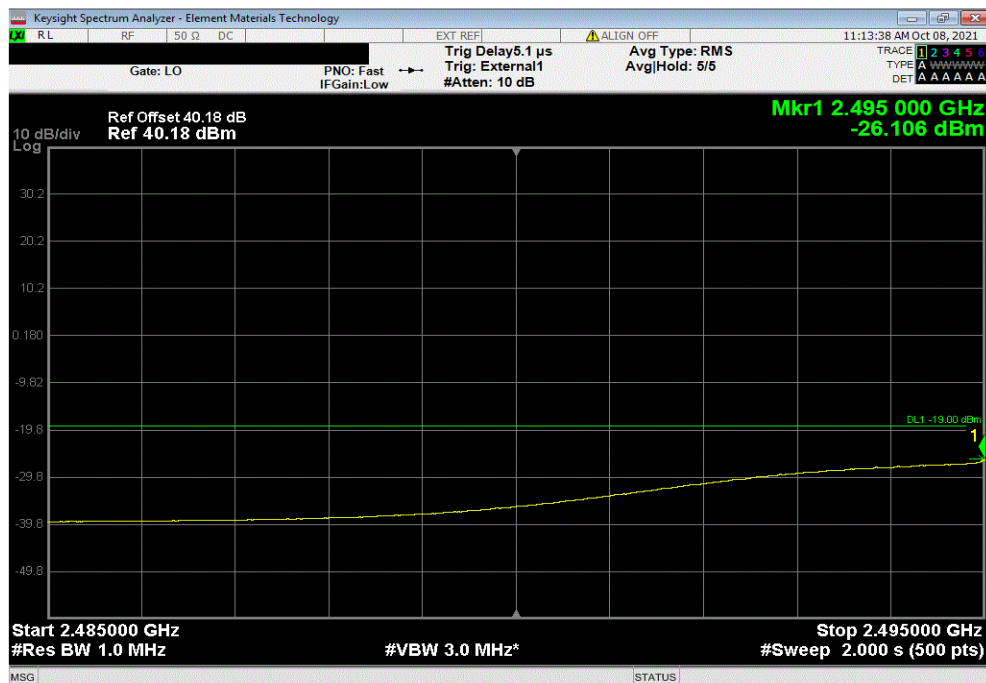


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Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Low Channel 2526.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-25.43	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Low Channel 2526.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-26.11	-19	Pass			

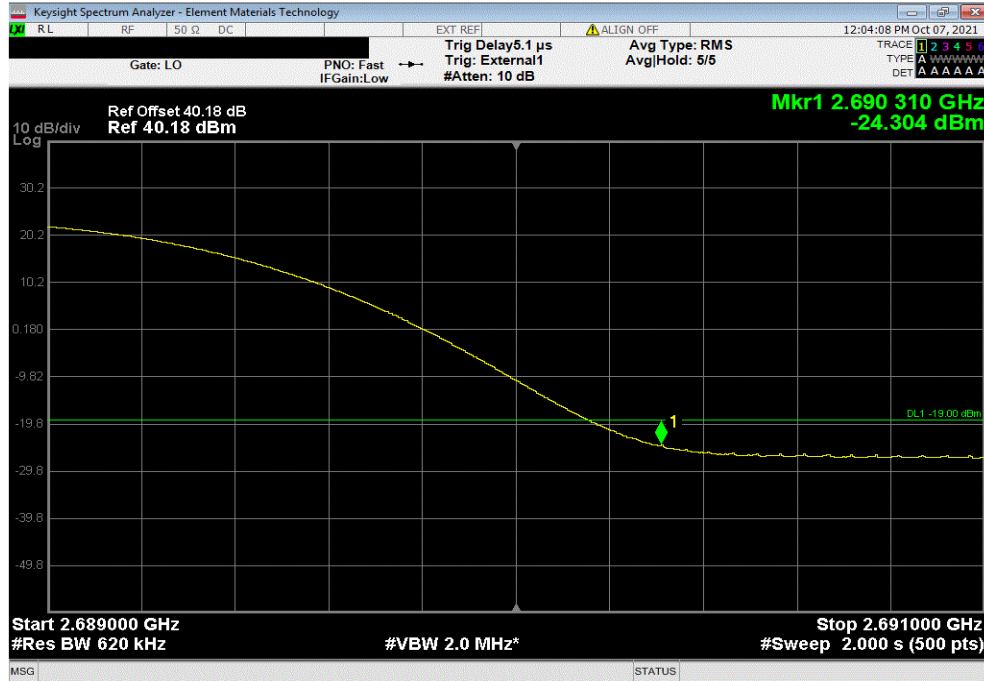


BAND EDGE COMPLIANCE - 5G NR

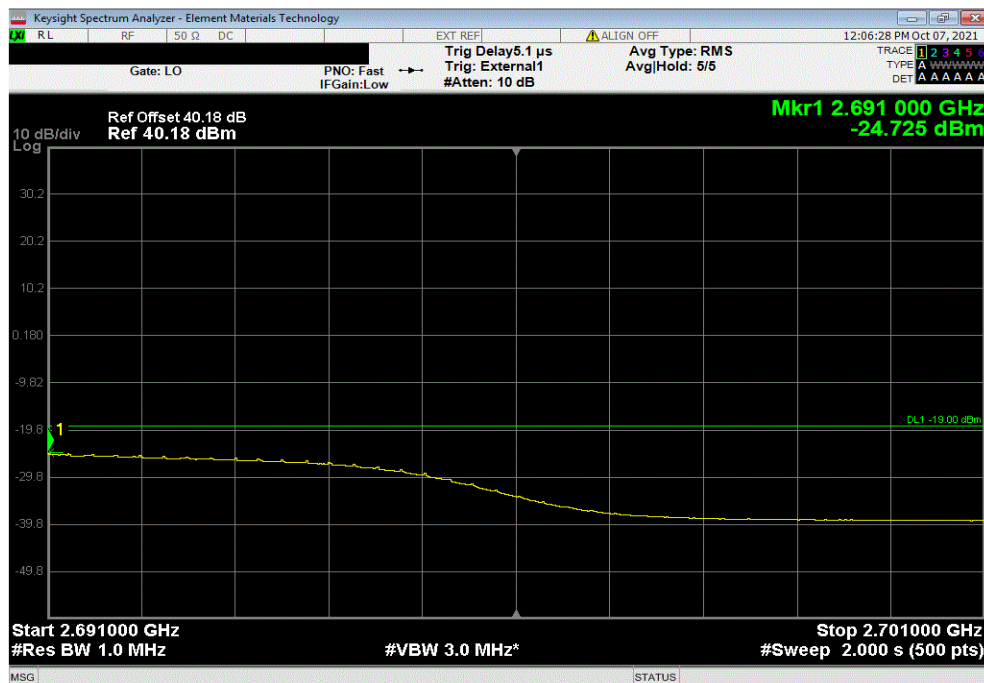


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Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, High Channel 2659.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-24.3	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, High Channel 2659.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-24.73	-19	Pass			

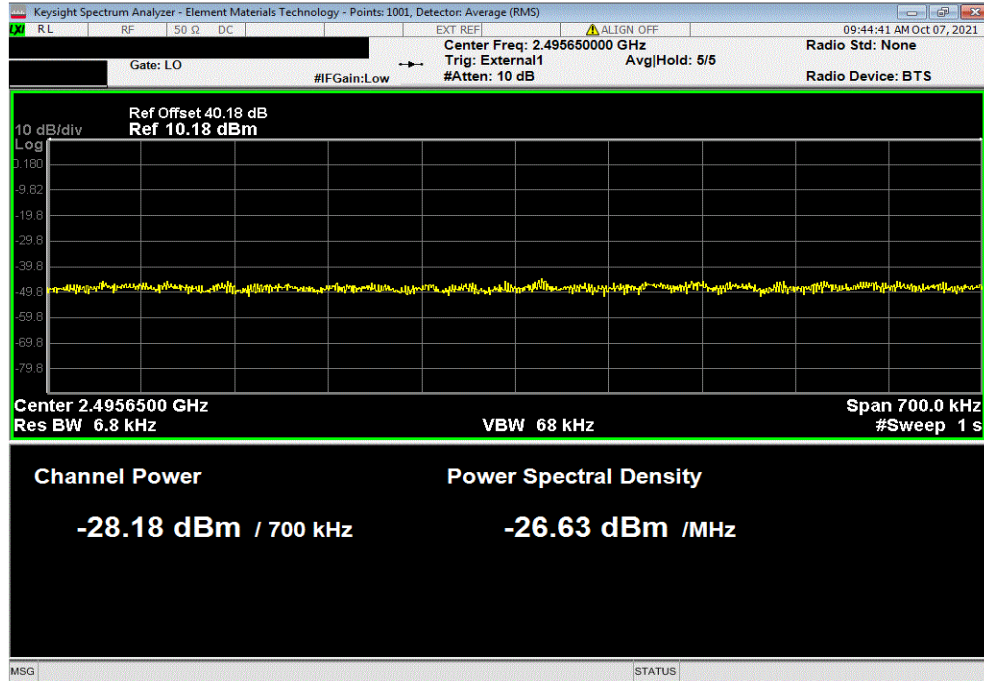


BAND EDGE COMPLIANCE - 5G NR

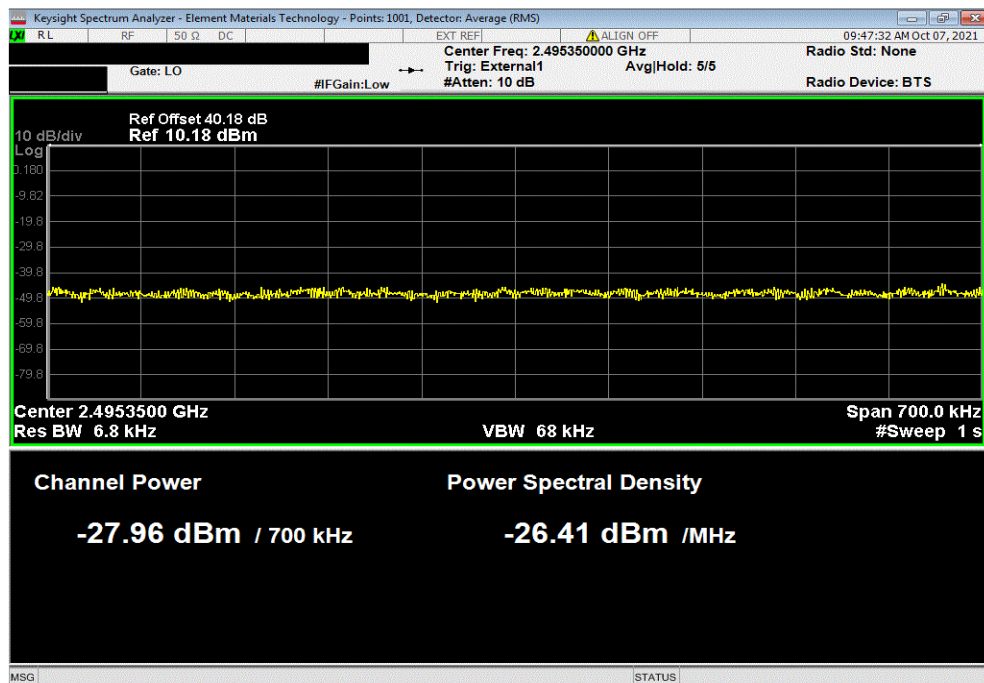


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Low Channel 2531.01 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-28.18	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Low Channel 2531.01 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-27.96	-19	Pass			

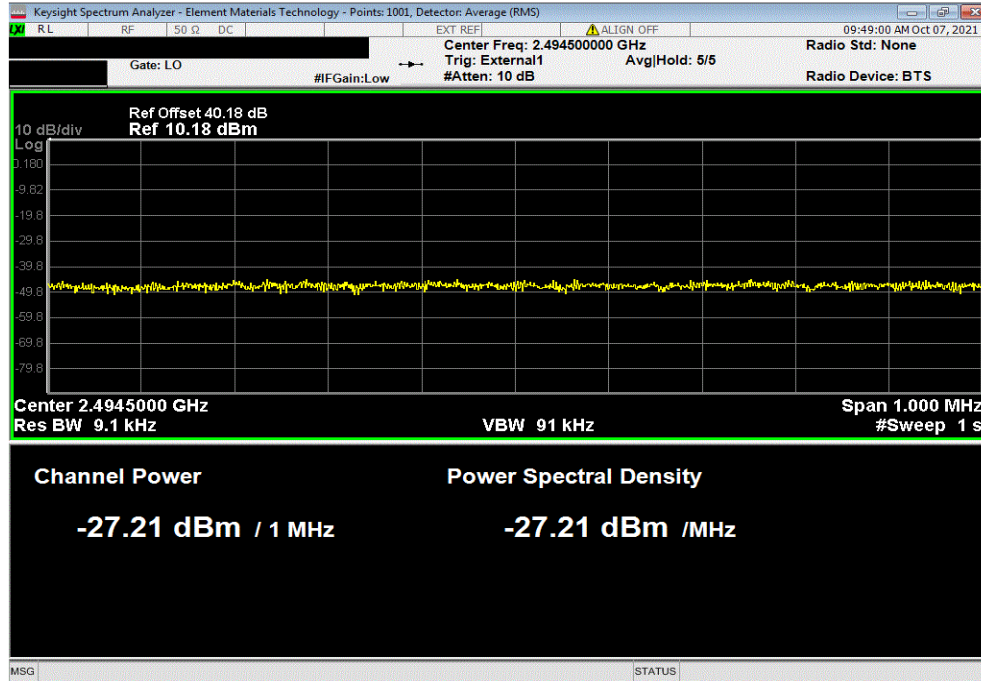


BAND EDGE COMPLIANCE - 5G NR

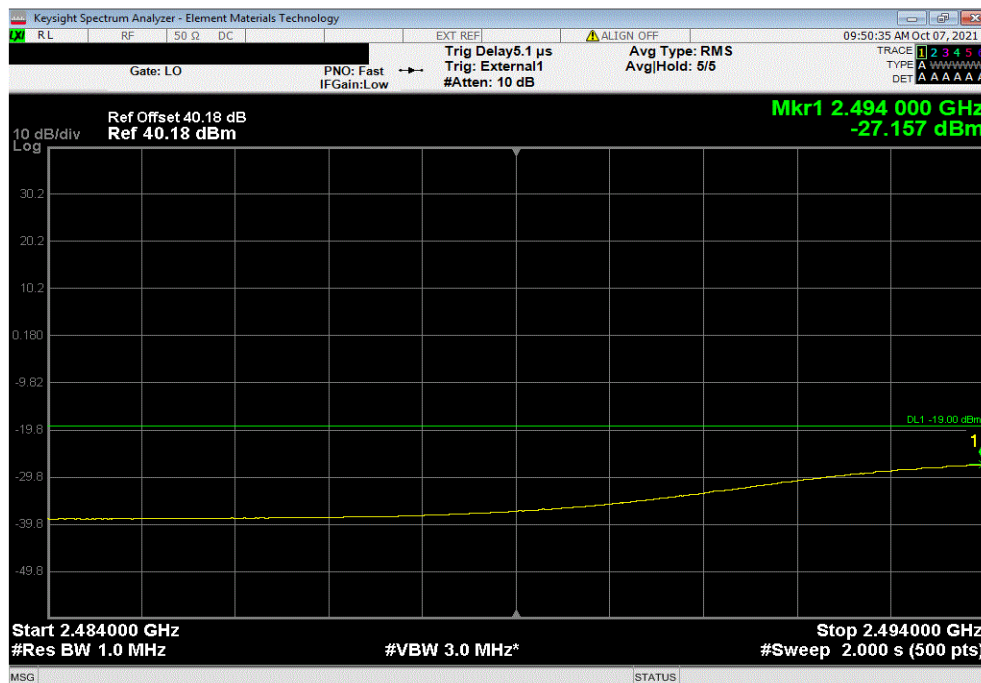


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Low Channel 2531.01 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-27.21	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Low Channel 2531.01 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-27.16	-19	Pass			

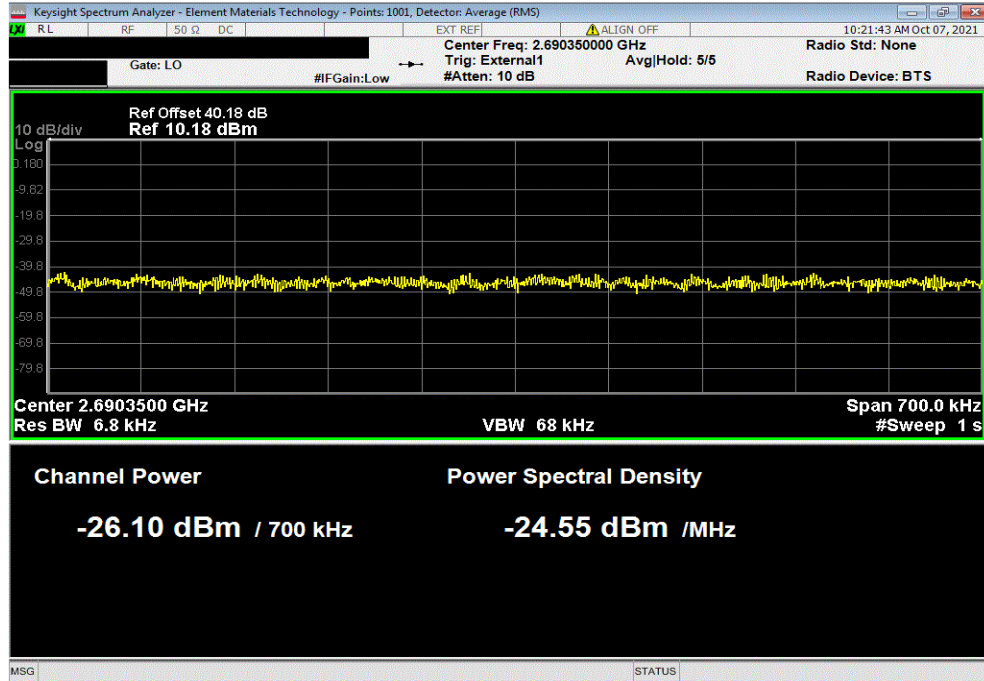


BAND EDGE COMPLIANCE - 5G NR

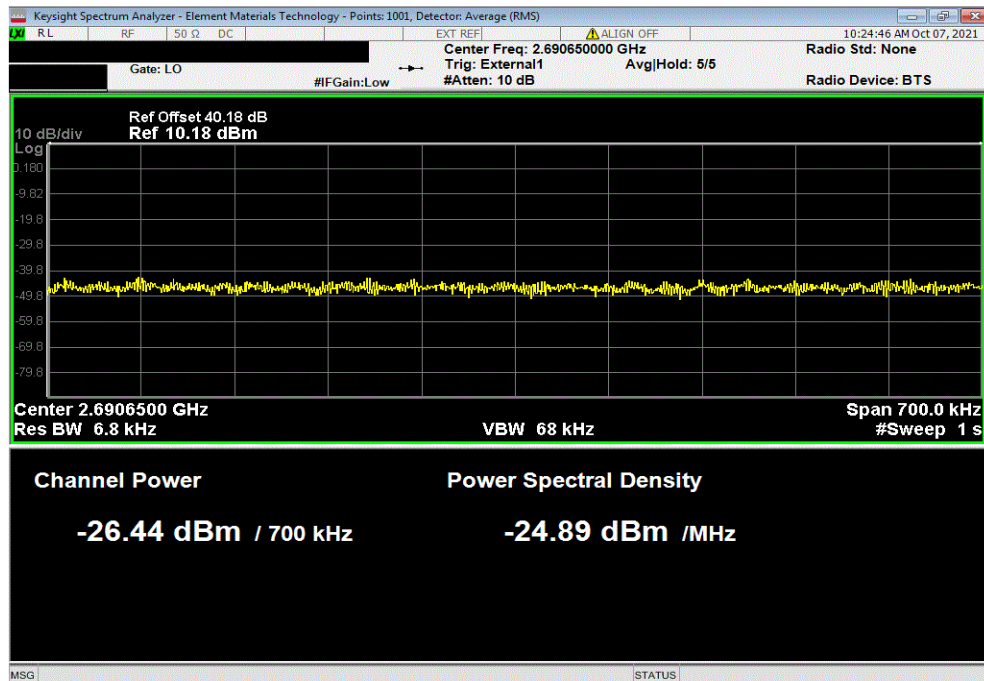


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, High Channel 2655.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-26.10	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, High Channel 2655.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-26.44	-19	Pass			

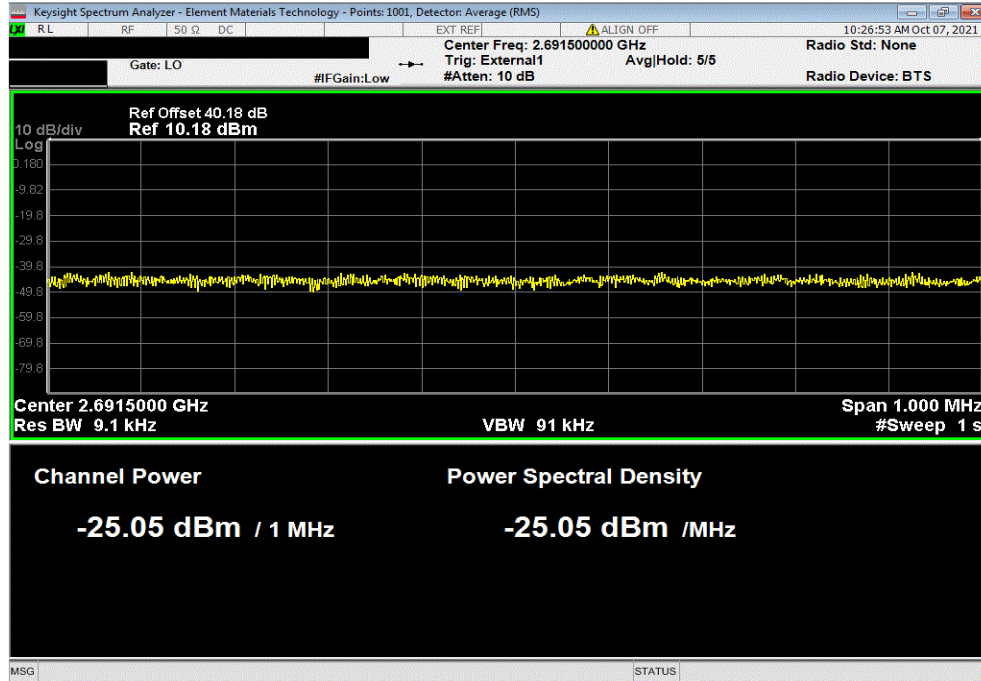


BAND EDGE COMPLIANCE - 5G NR

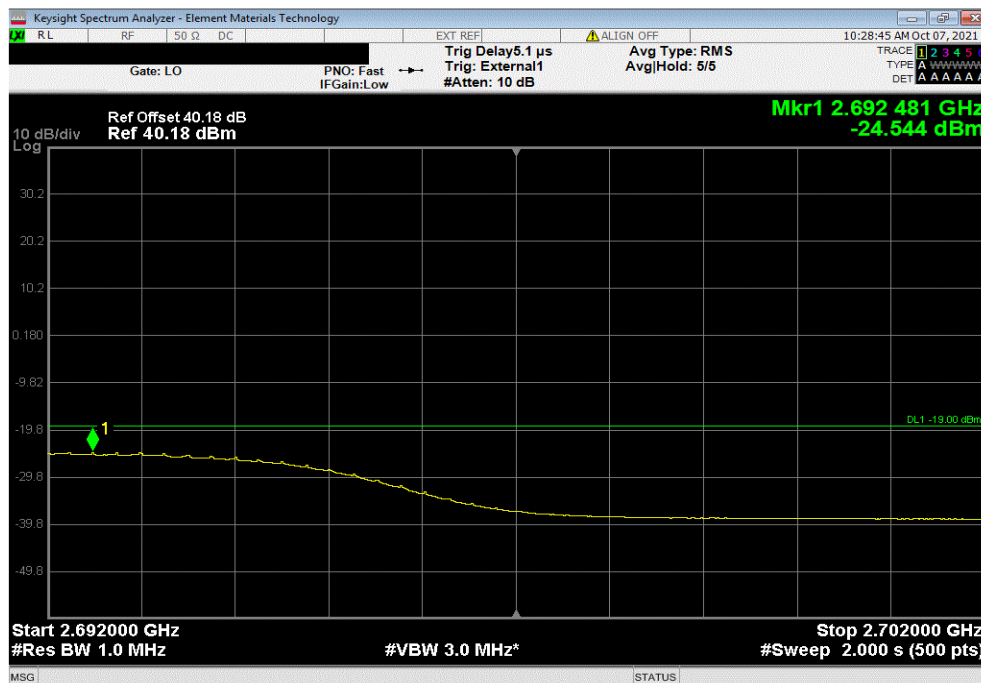


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, High Channel 2655.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-25.05	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, High Channel 2655.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-24.54	-19	Pass			

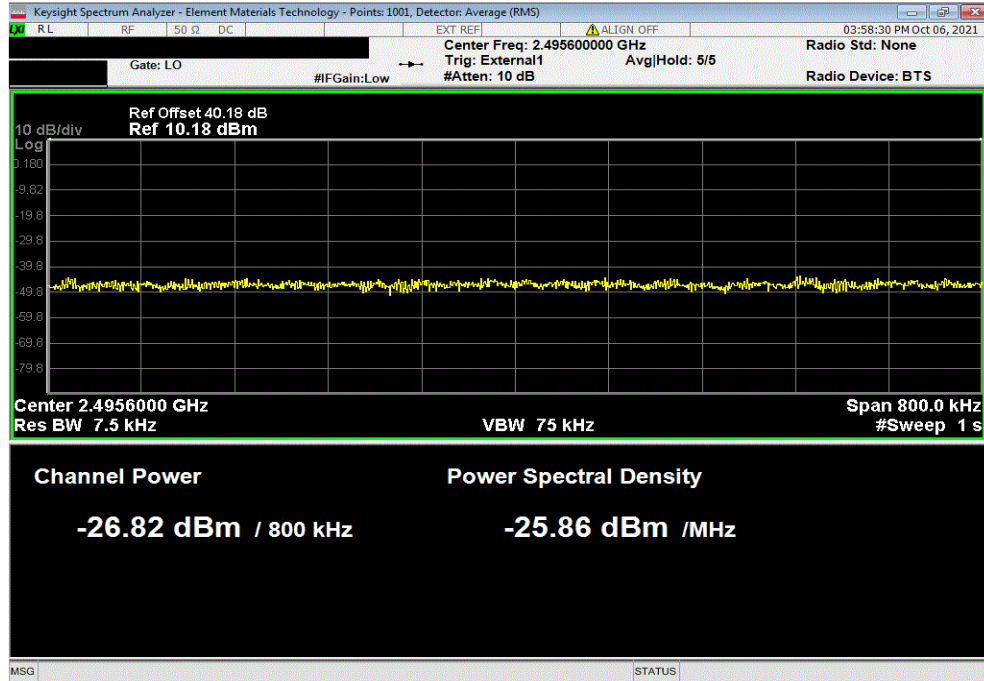


BAND EDGE COMPLIANCE - 5G NR

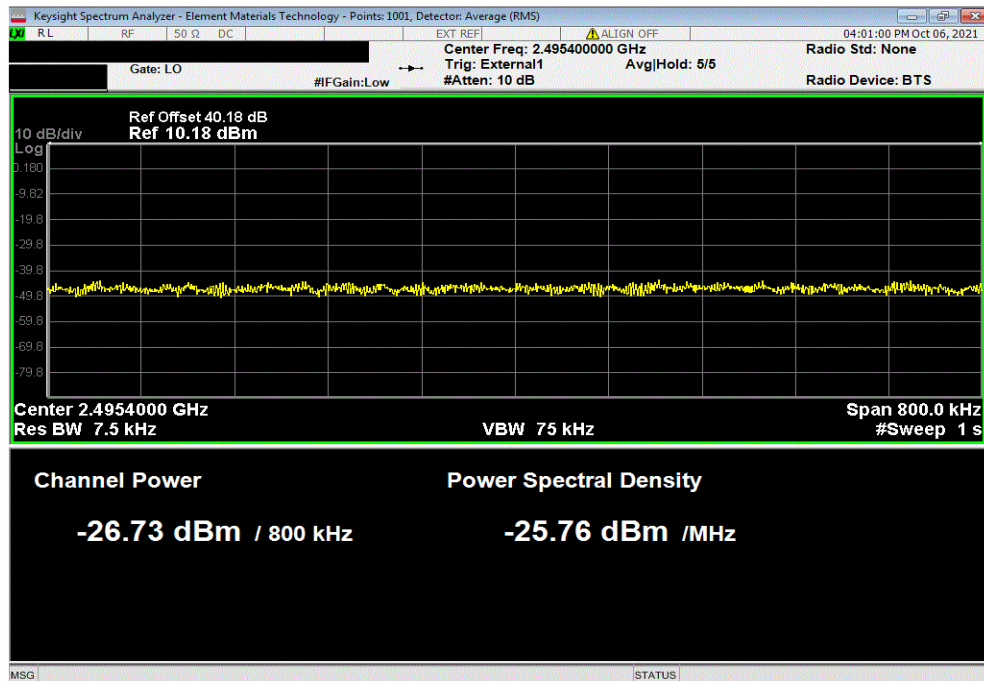


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Low Channel 2536.02 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-26.82	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Low Channel 2536.02 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-26.73	-19	Pass			

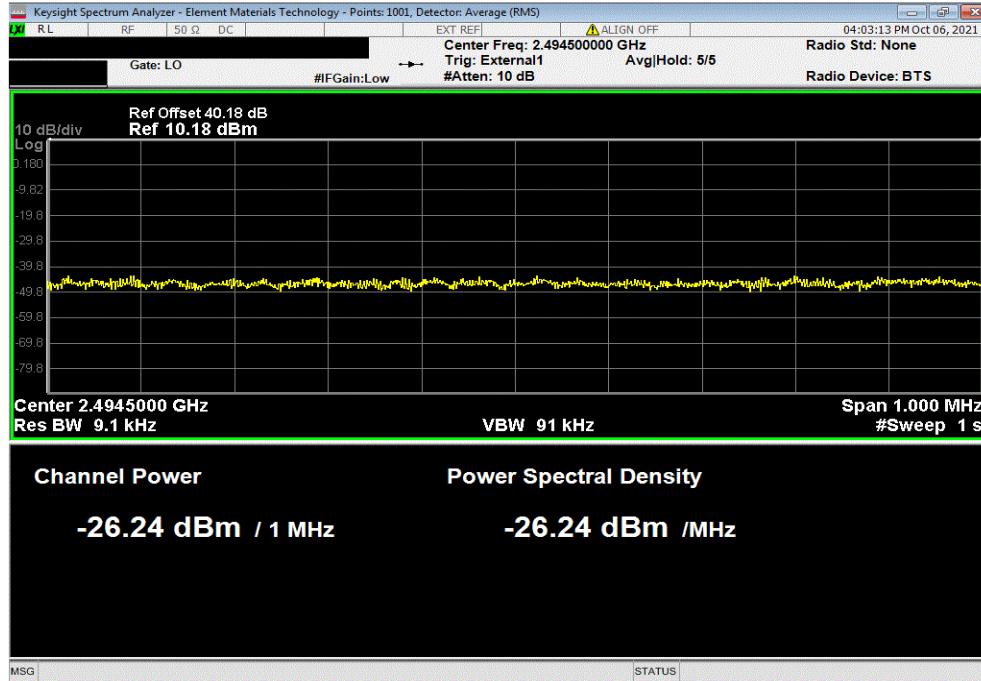


BAND EDGE COMPLIANCE - 5G NR

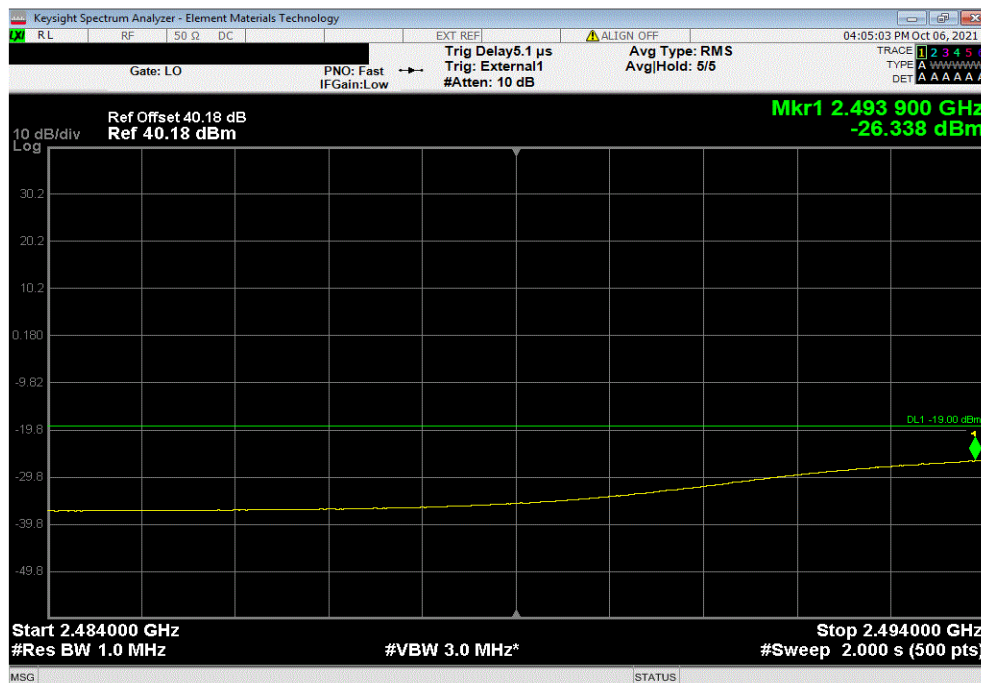


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Low Channel 2536.02 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-26.24	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Low Channel 2536.02 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-26.34	-19	Pass			

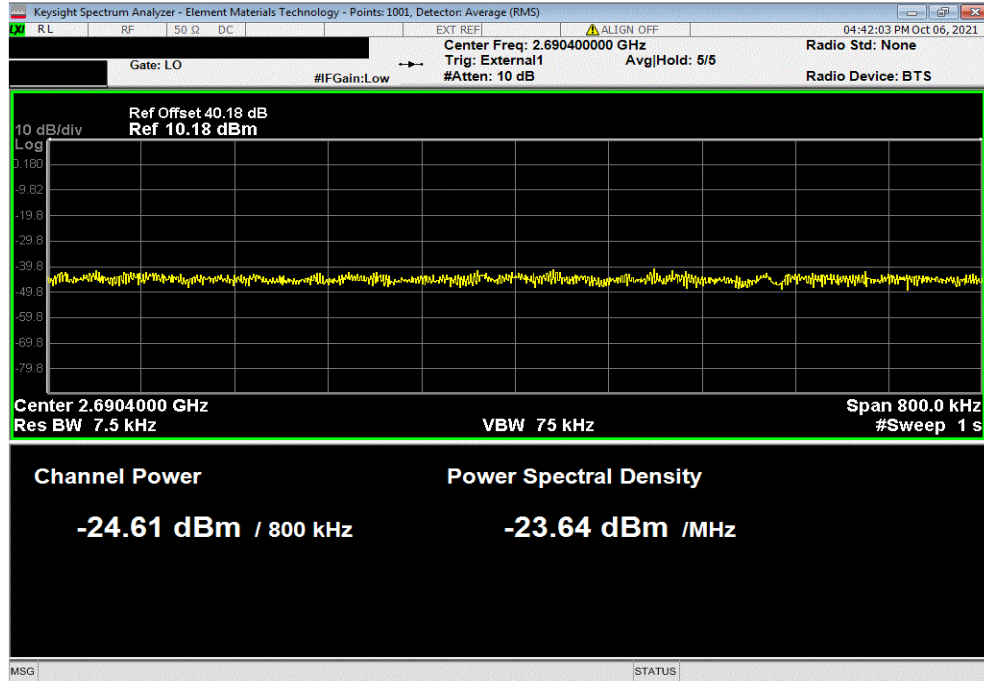


BAND EDGE COMPLIANCE - 5G NR

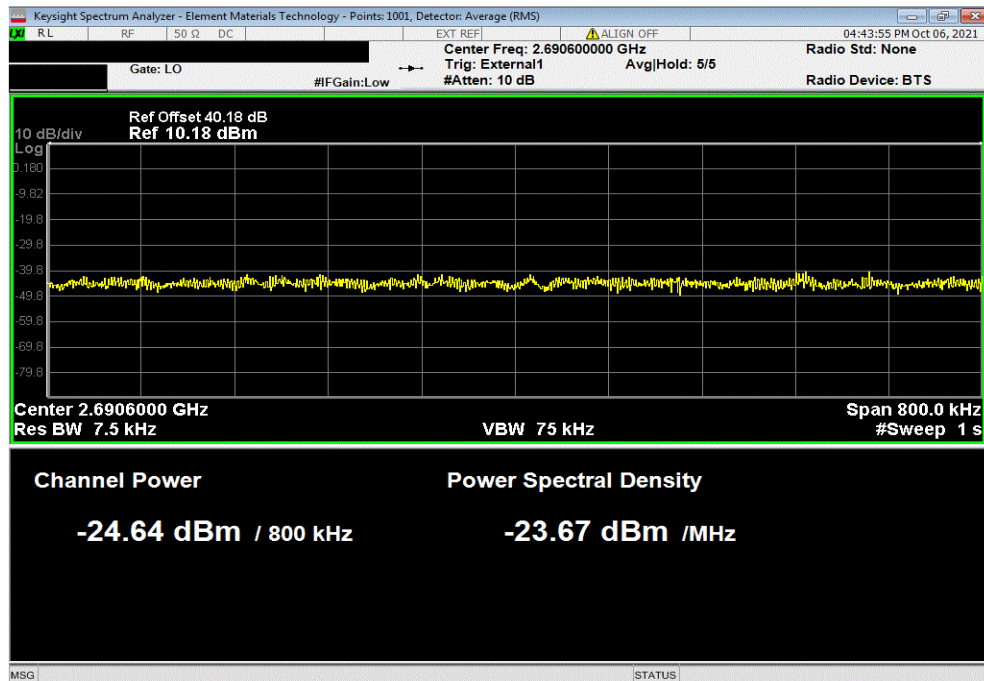


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, High Channel 2649.99 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-24.61	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, High Channel 2649.99 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-24.64	-19	Pass			

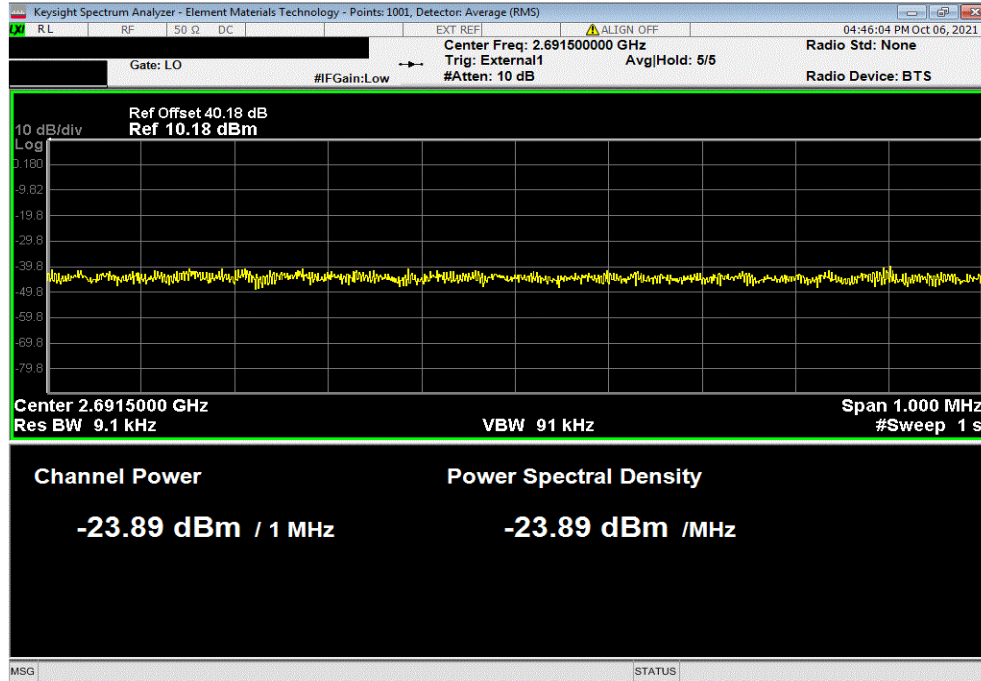


BAND EDGE COMPLIANCE - 5G NR

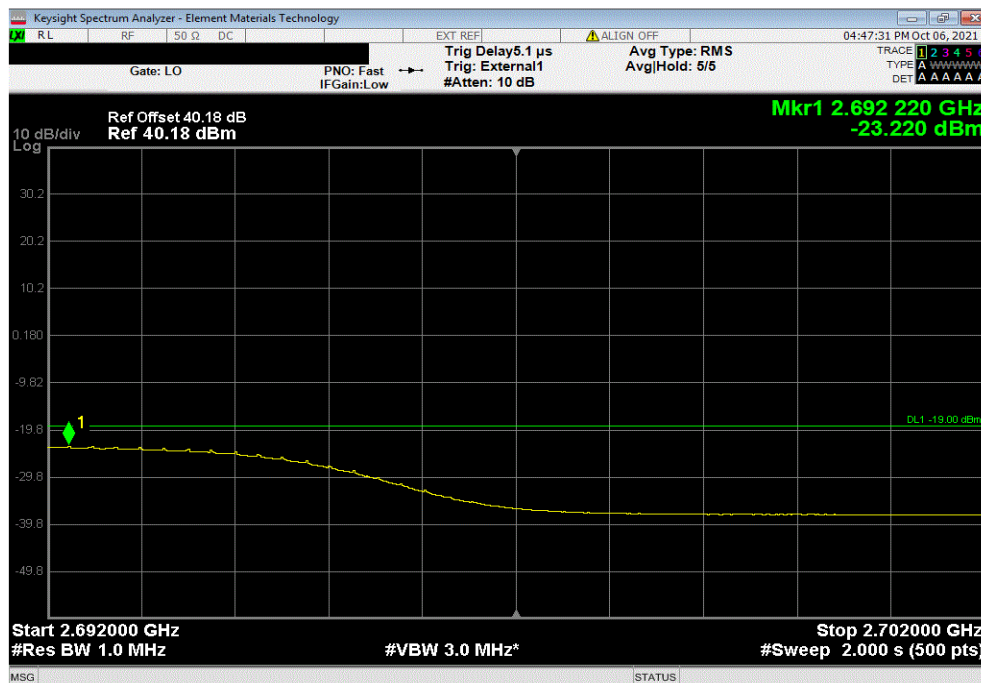


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, High Channel 2649.99 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-23.89	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, High Channel 2649.99 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-23.22	-19	Pass			

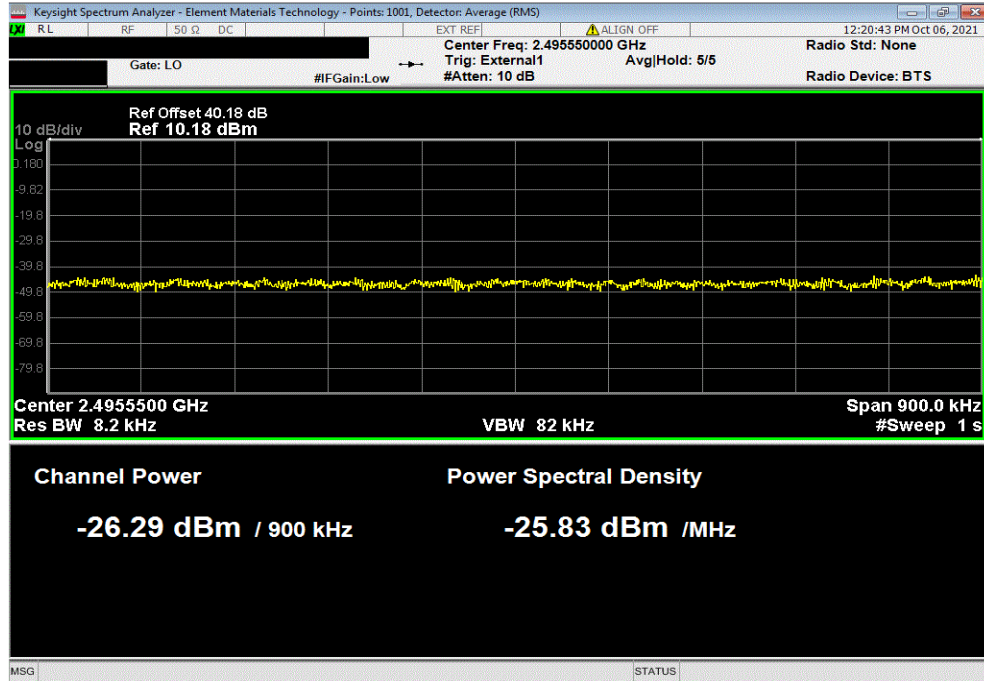


BAND EDGE COMPLIANCE - 5G NR

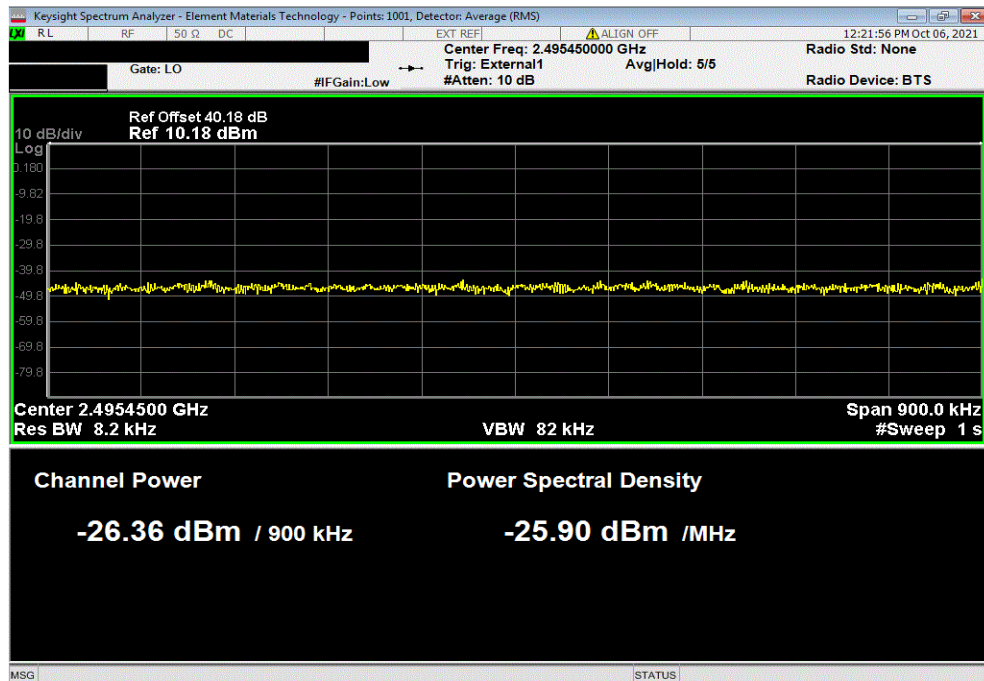


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-26.29	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-26.36	-19	Pass			

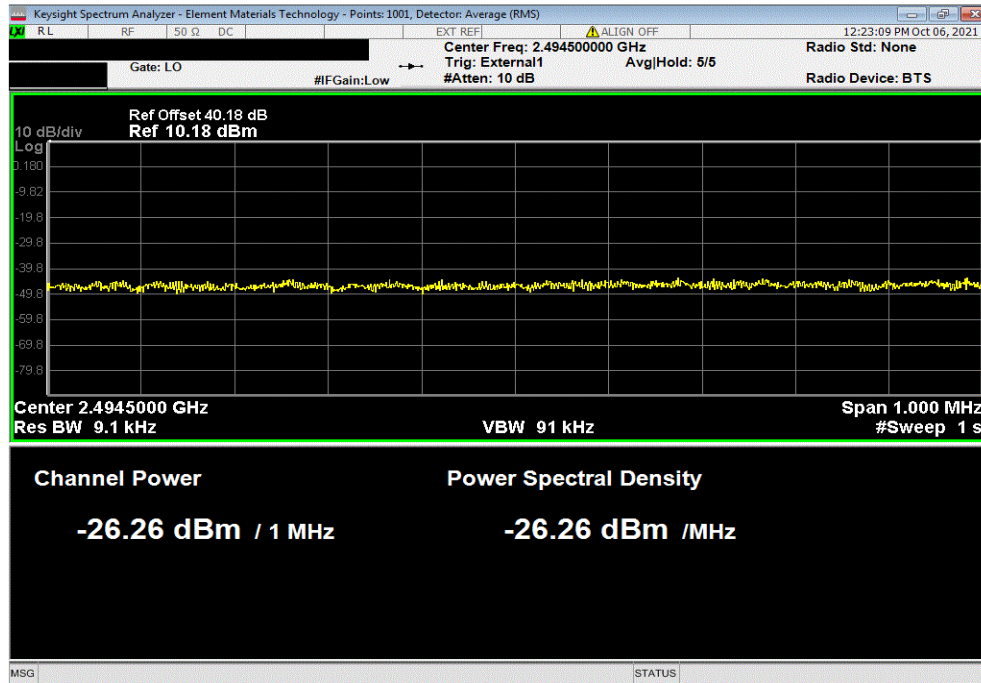


BAND EDGE COMPLIANCE - 5G NR

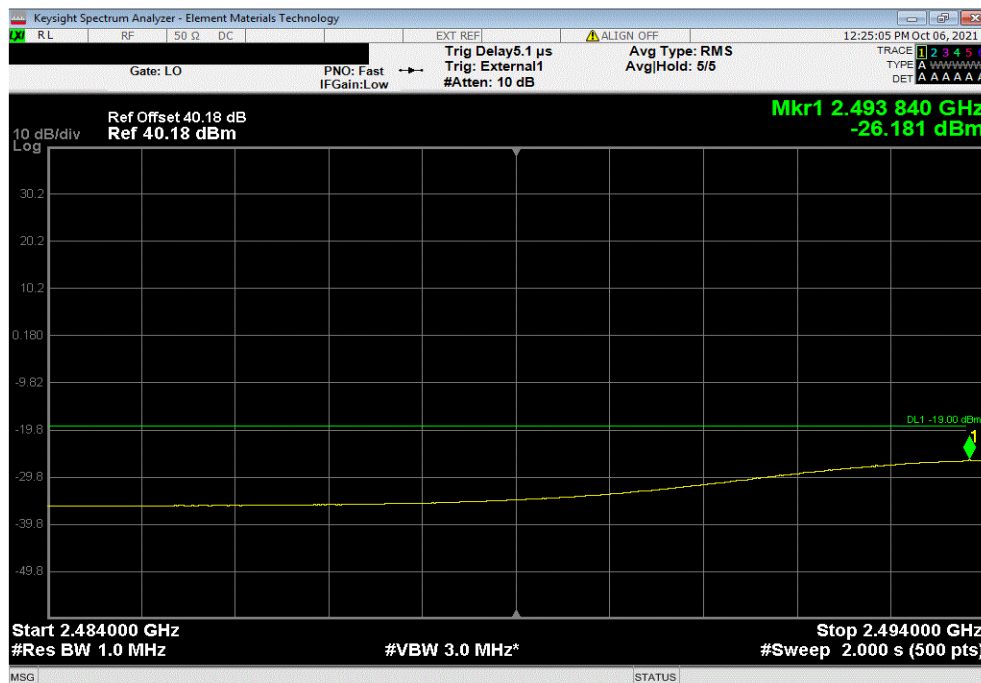


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-26.26	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-26.18	-19	Pass			

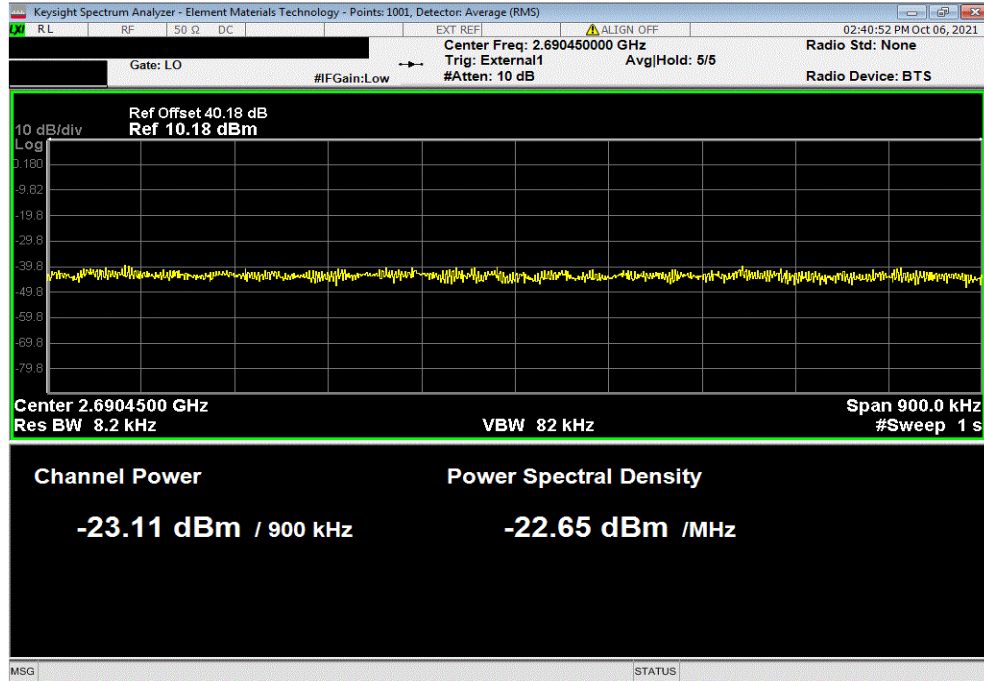


BAND EDGE COMPLIANCE - 5G NR

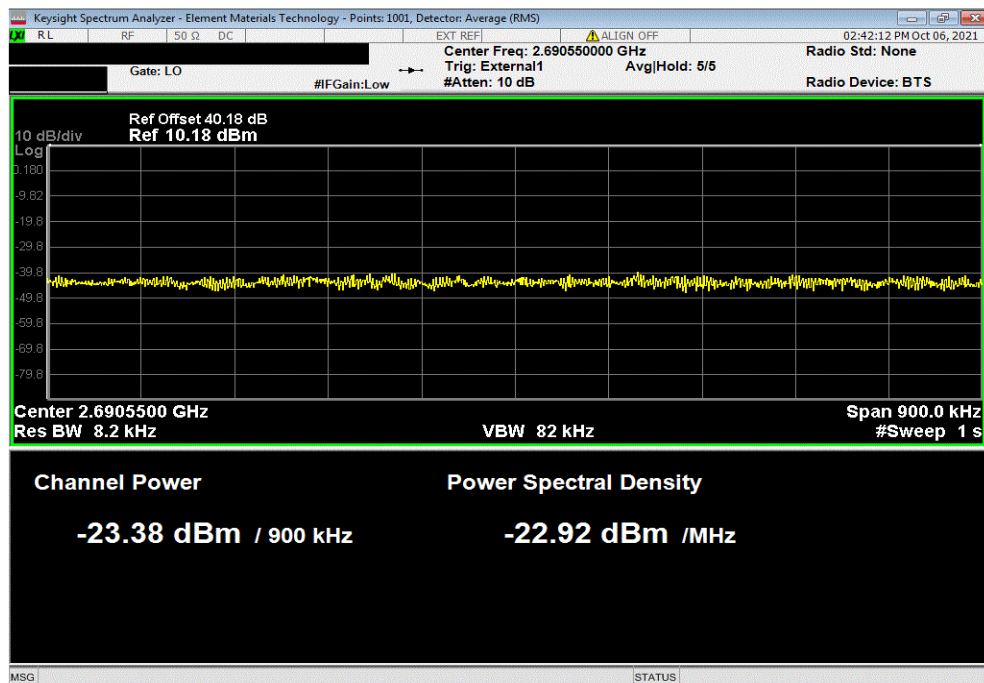


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-23.11	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-23.38	-19	Pass			

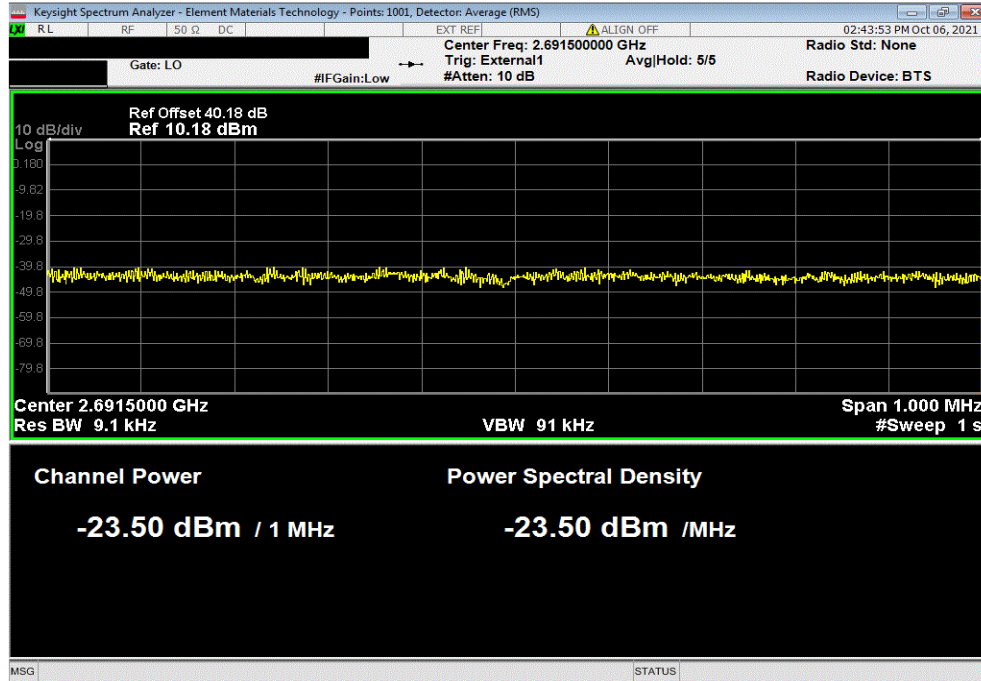


BAND EDGE COMPLIANCE - 5G NR

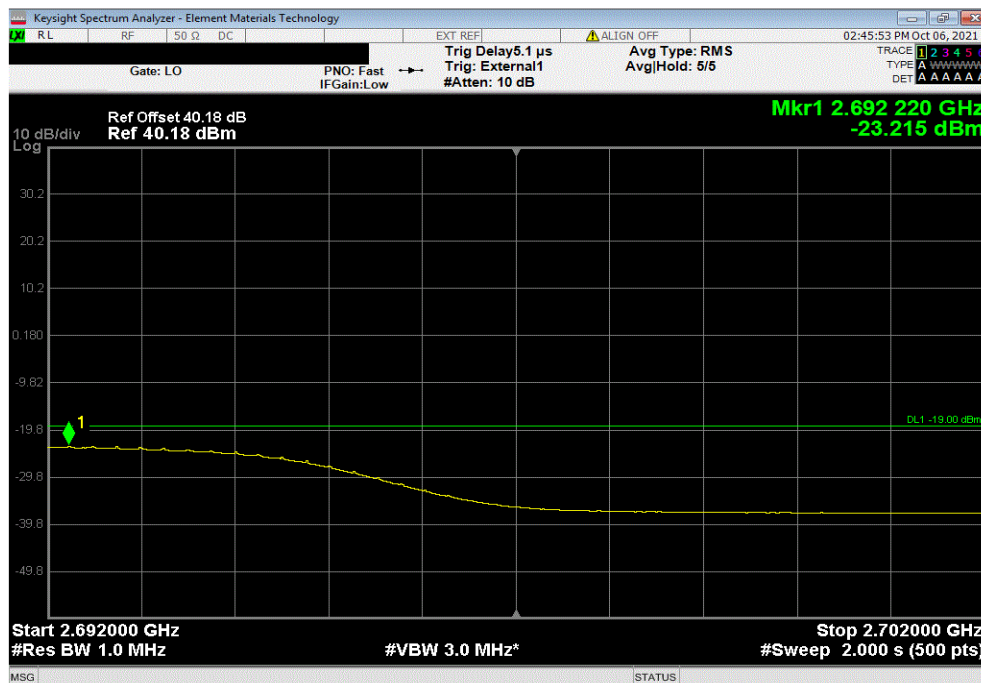


TbTx 2021.03.19.1 XMR 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-23.50	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-23.22	-19	Pass			

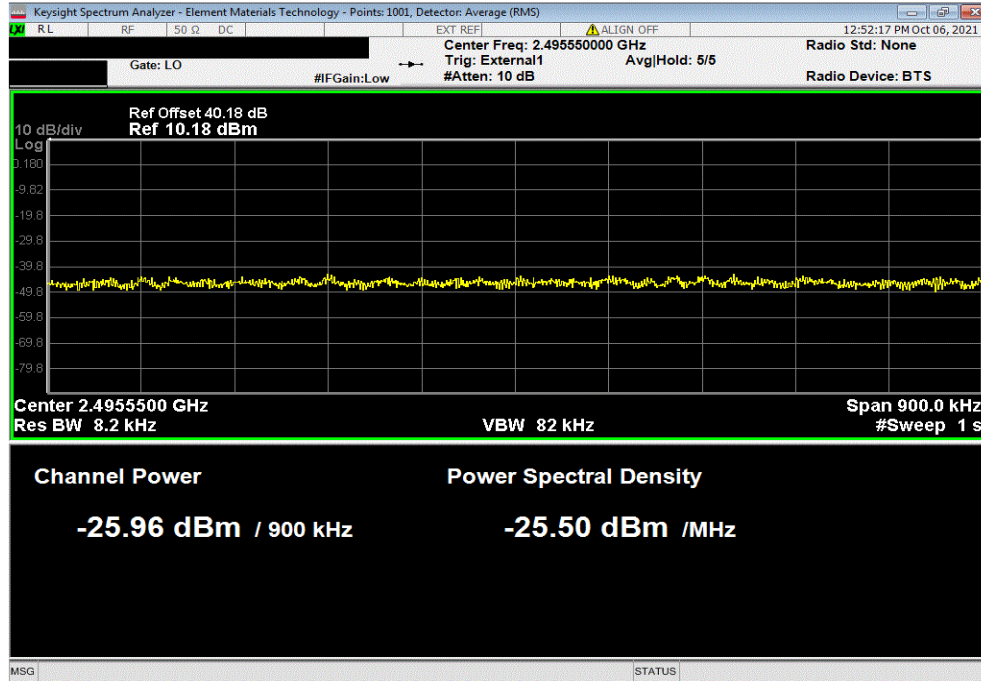


BAND EDGE COMPLIANCE - 5G NR

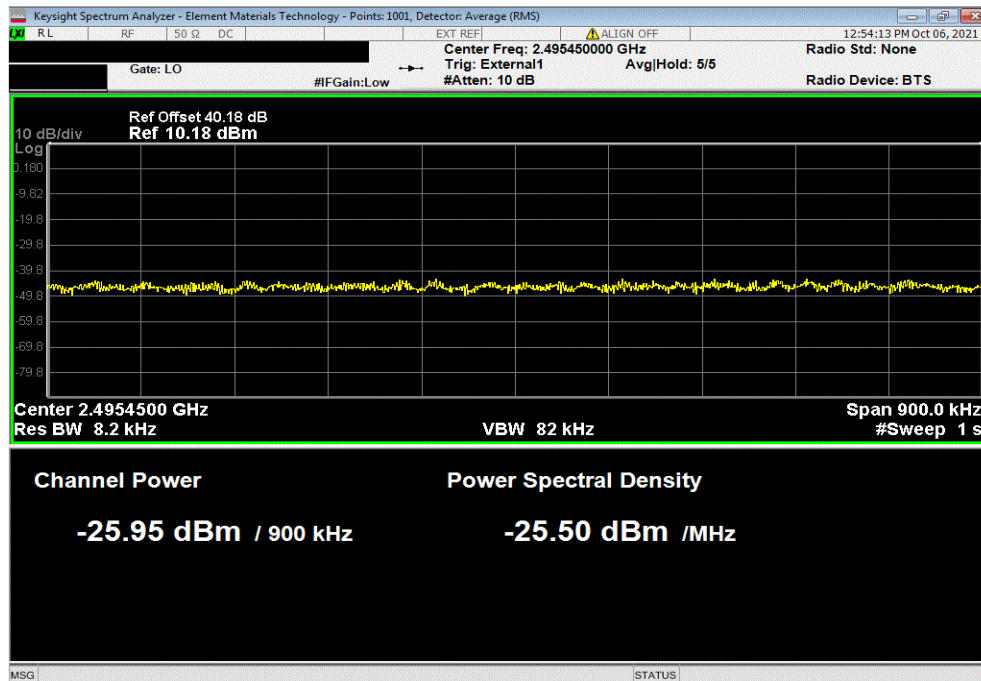


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-25.96	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-25.95	-19	Pass			

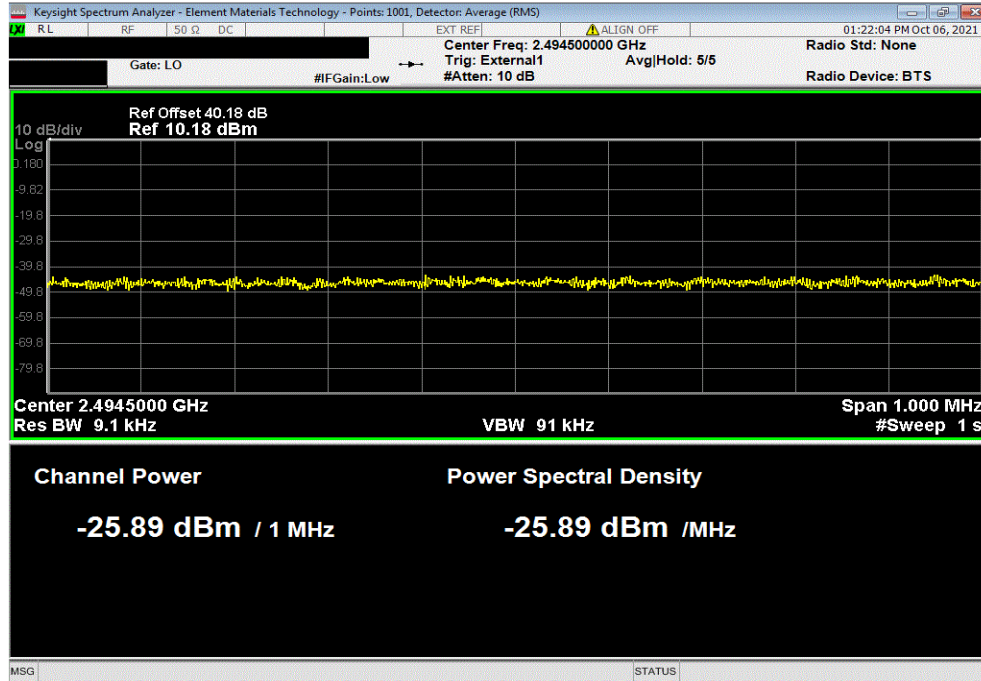


BAND EDGE COMPLIANCE - 5G NR

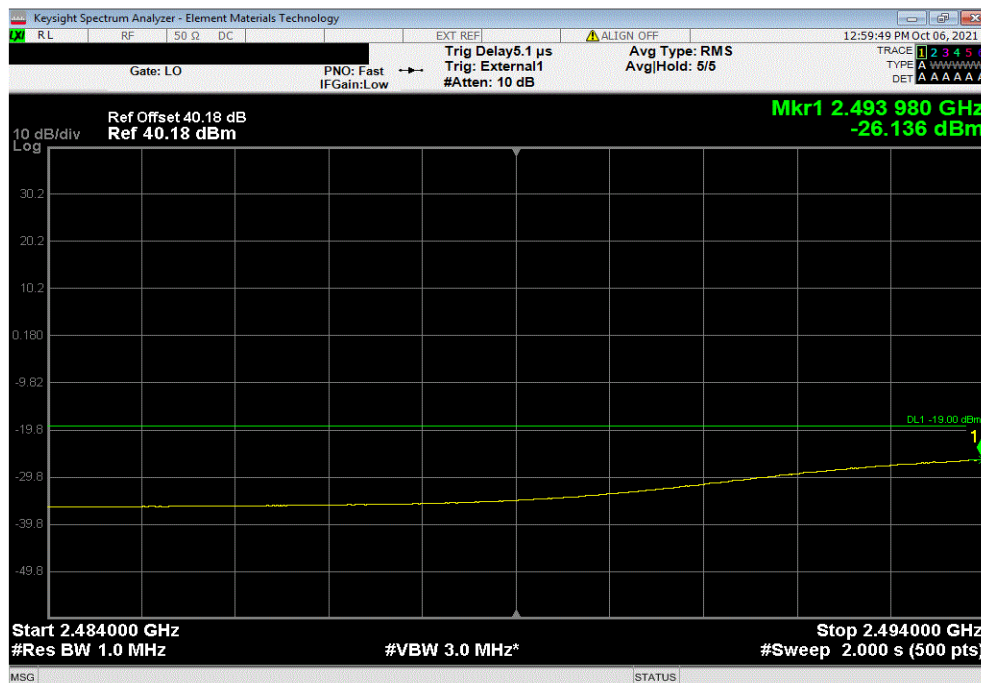


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-25.89	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-26.14	-19	Pass			

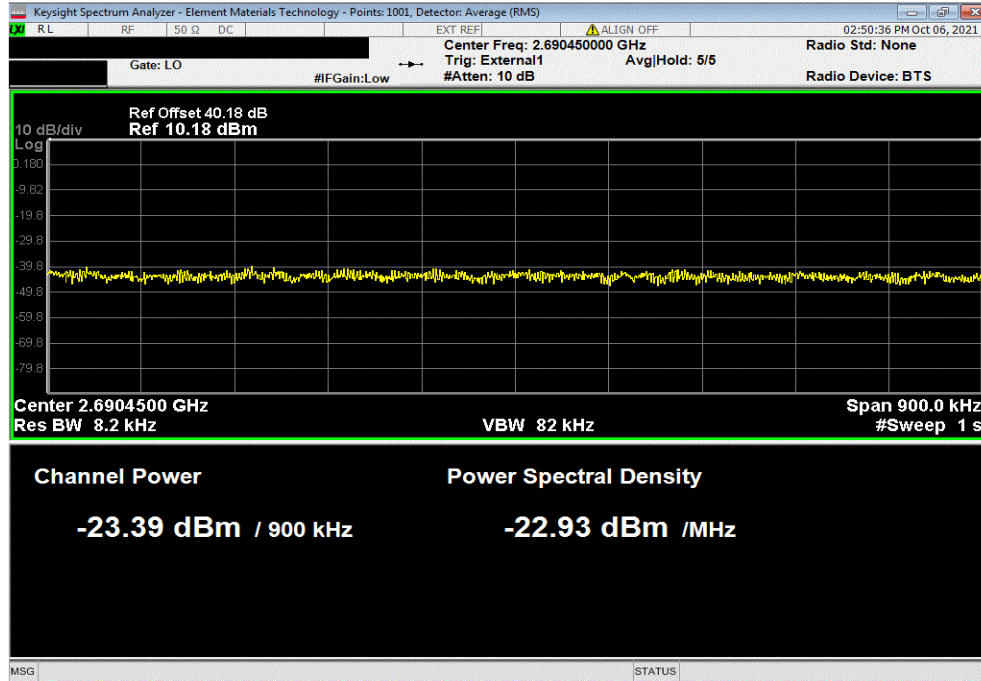


BAND EDGE COMPLIANCE - 5G NR

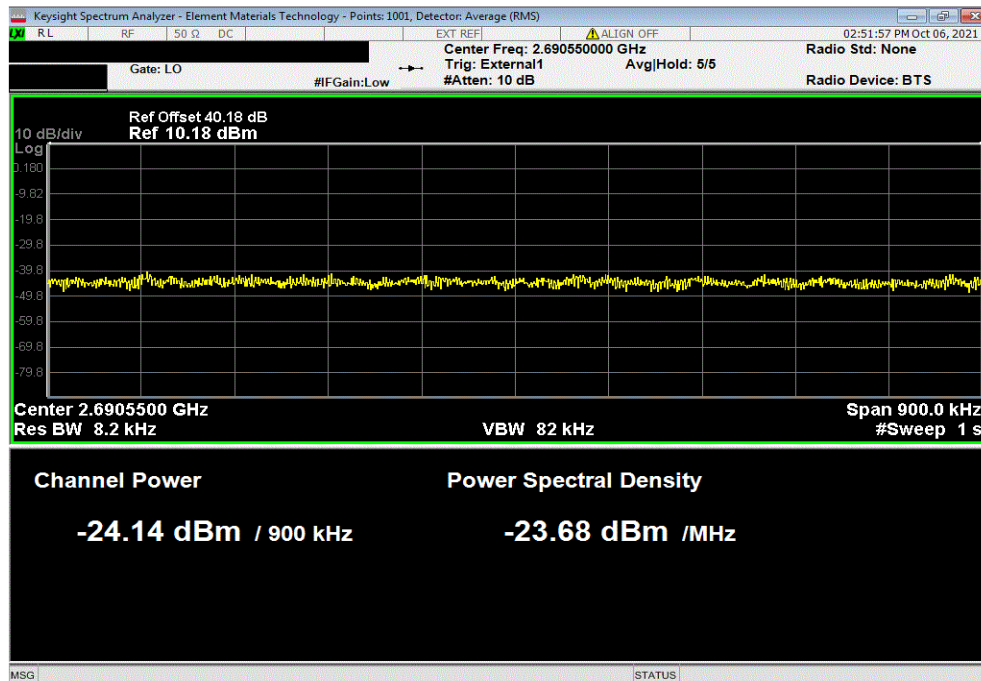


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, High Channel 2644.98 MHz						
Frequency Range		Max Value (dBm)	Limit (dBm)	Result		
1		-23.39	-19	Pass		



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, High Channel 2644.98 MHz						
Frequency Range		Max Value (dBm)	Limit (dBm)	Result		
2		-24.14	-19	Pass		

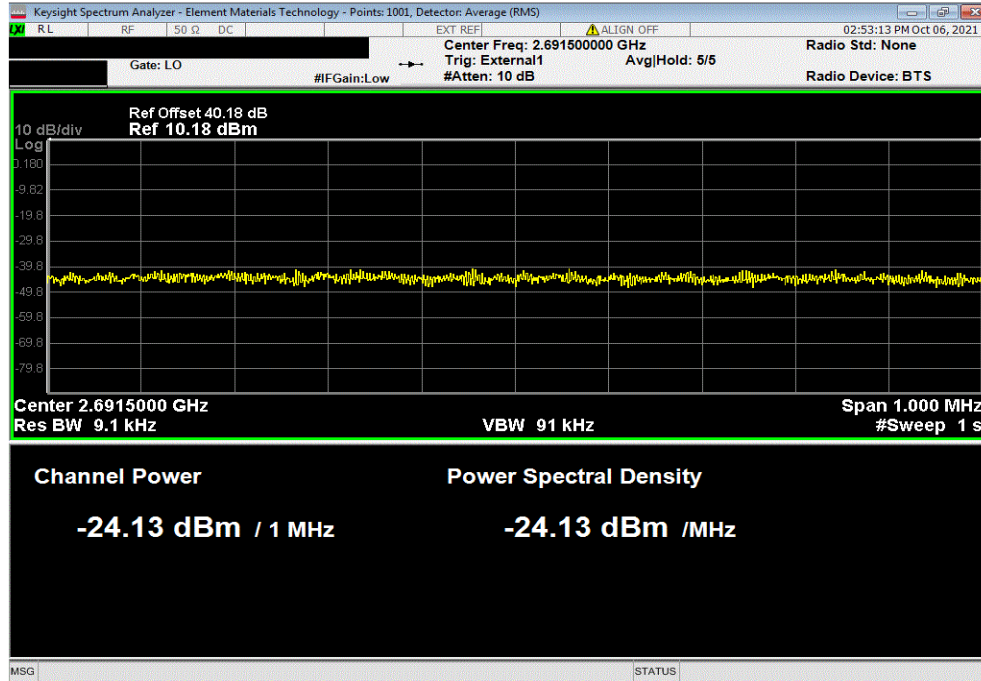


BAND EDGE COMPLIANCE - 5G NR

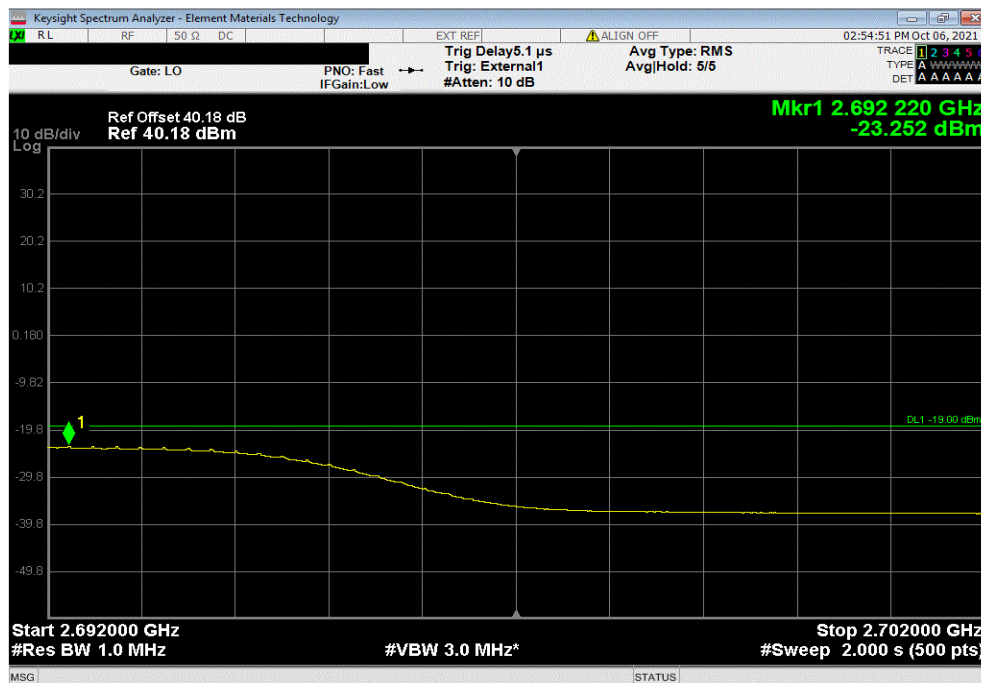


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-24.13	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-23.25	-19	Pass			

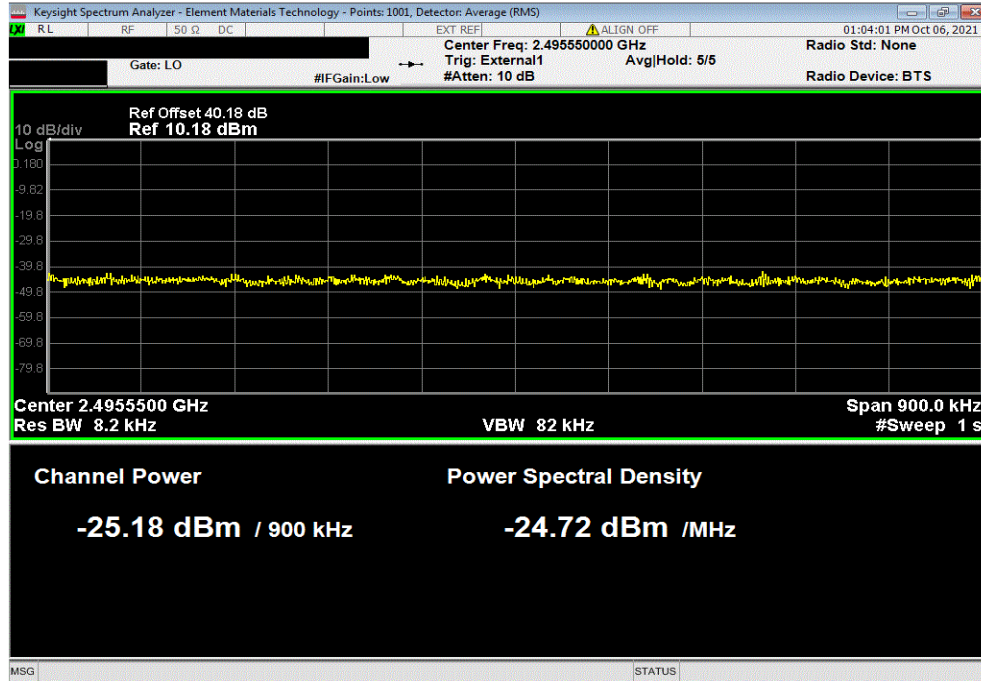


BAND EDGE COMPLIANCE - 5G NR

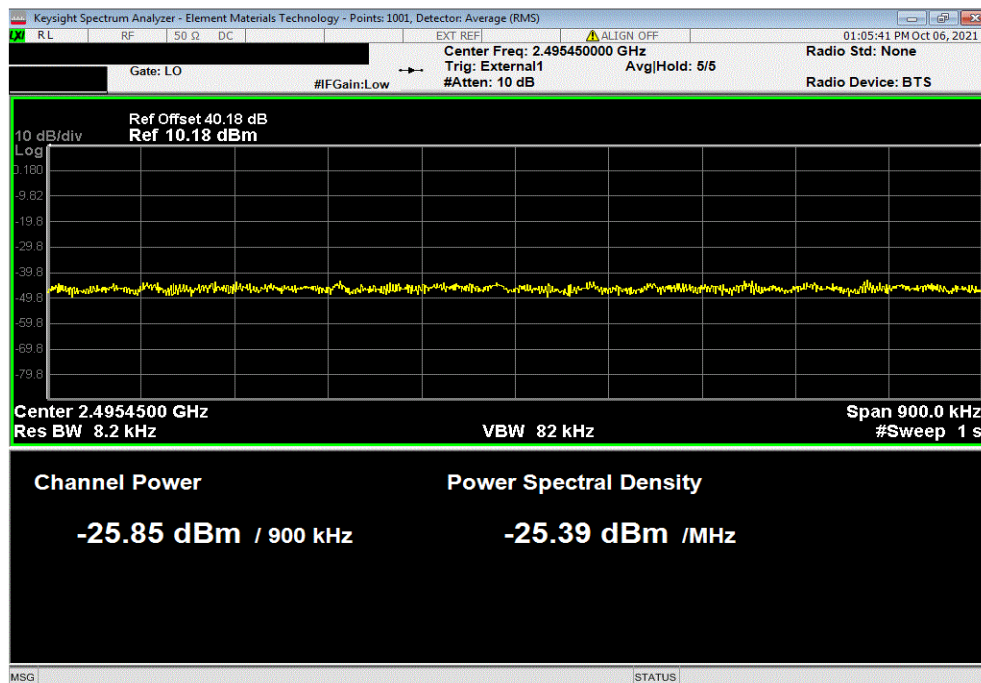


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-25.18	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-25.85	-19	Pass			

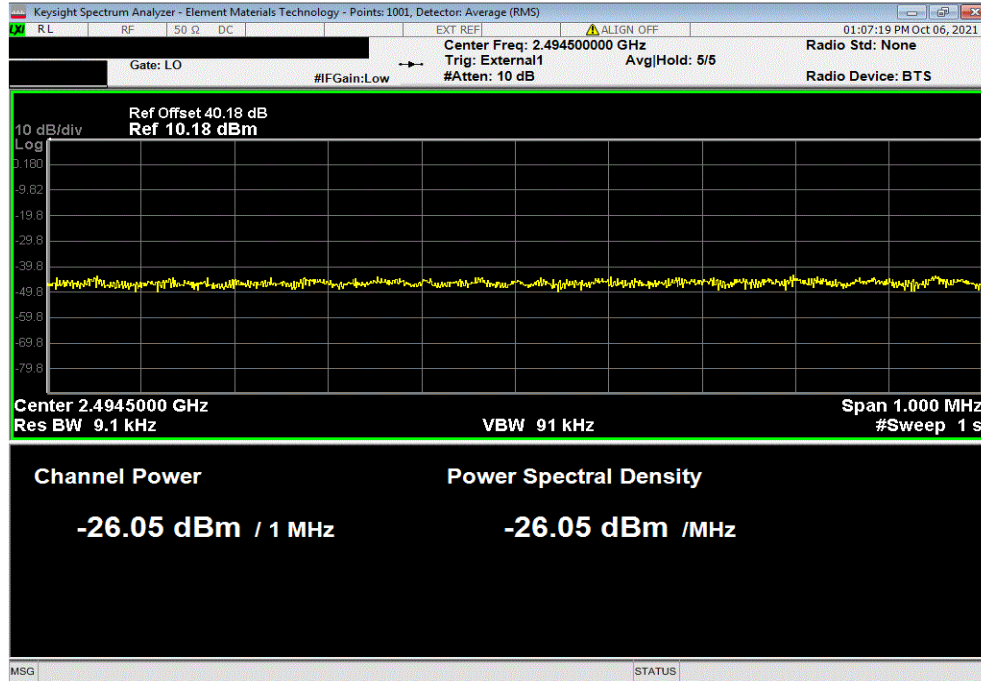


BAND EDGE COMPLIANCE - 5G NR

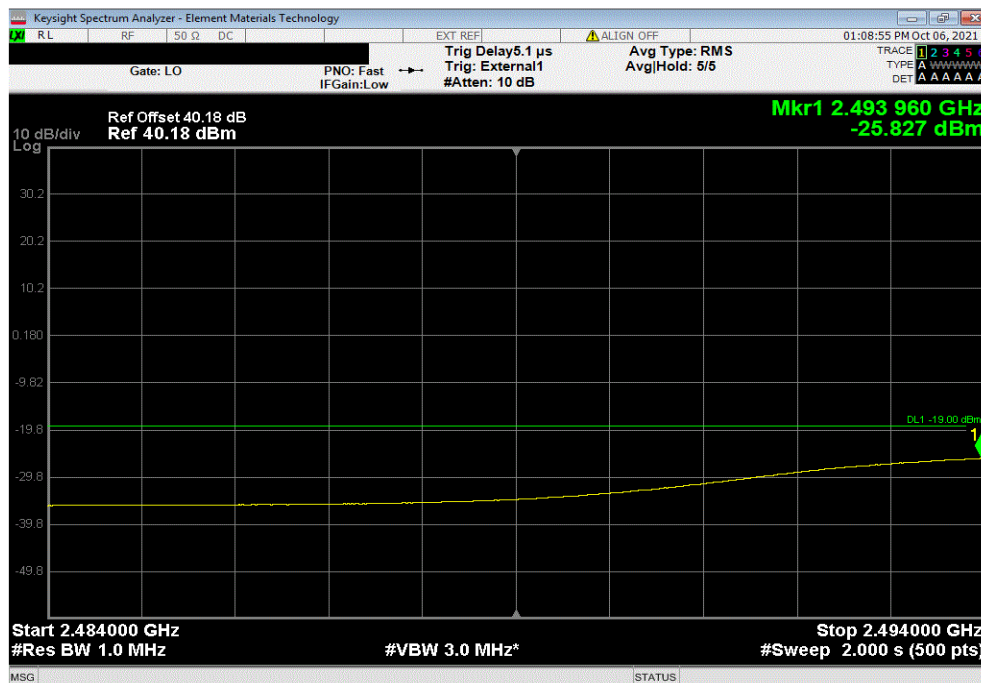


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-26.05	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-25.83	-19	Pass			

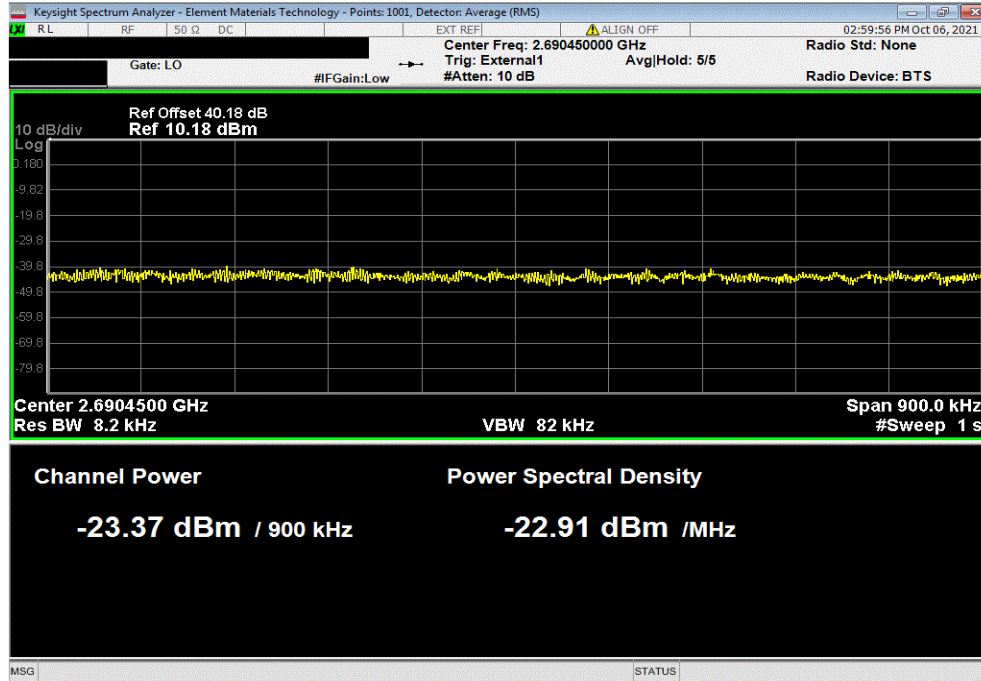


BAND EDGE COMPLIANCE - 5G NR

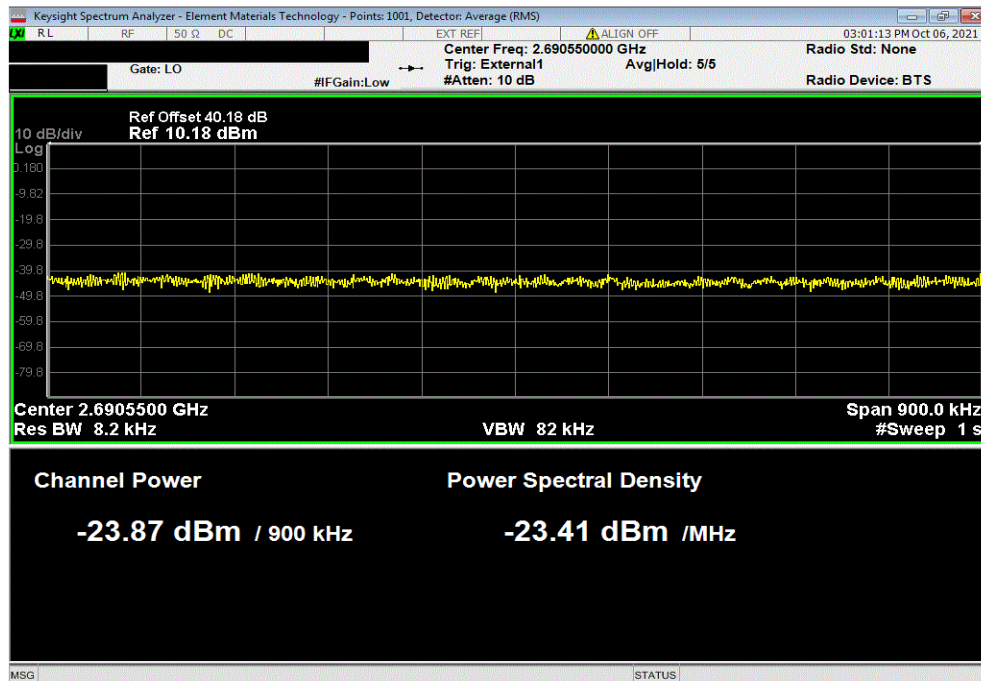


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, High Channel 2644.98 MHz						
Frequency Range		Max Value (dBm)	Limit (dBm)	Result		
1		-23.37	-19	Pass		



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, High Channel 2644.98 MHz						
Frequency Range		Max Value (dBm)	Limit (dBm)	Result		
2		-23.87	-19	Pass		

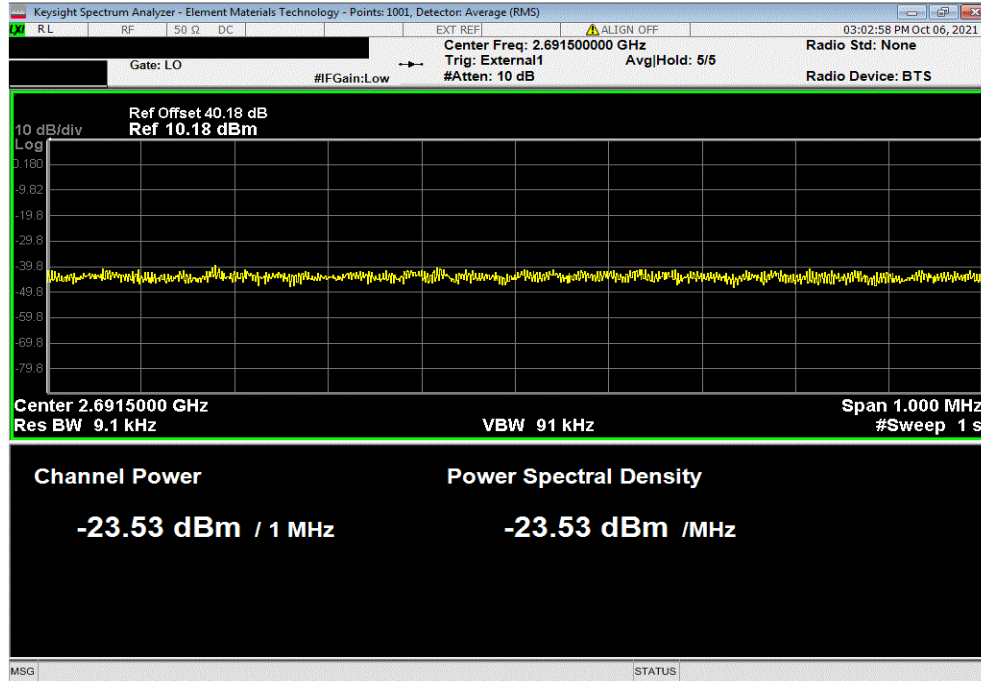


BAND EDGE COMPLIANCE - 5G NR

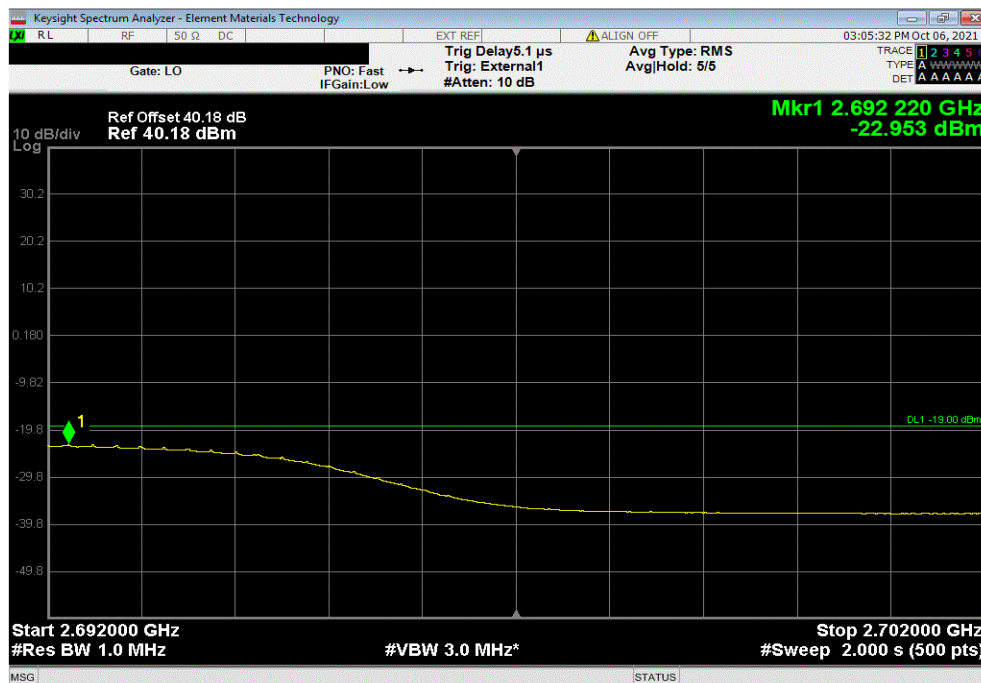


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-23.53	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-22.95	-19	Pass			

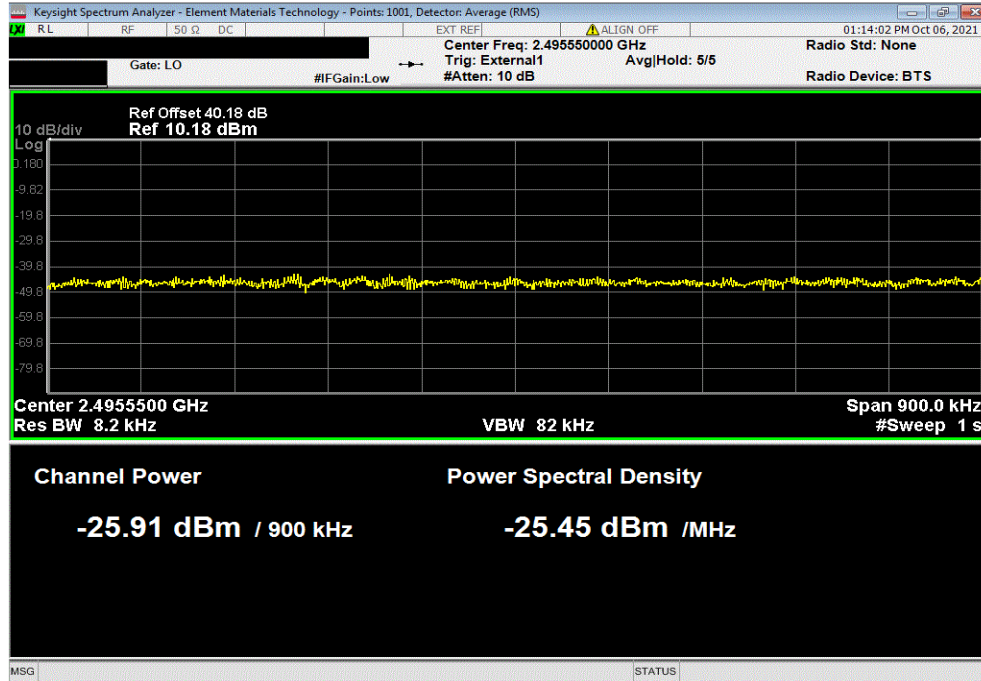


BAND EDGE COMPLIANCE - 5G NR

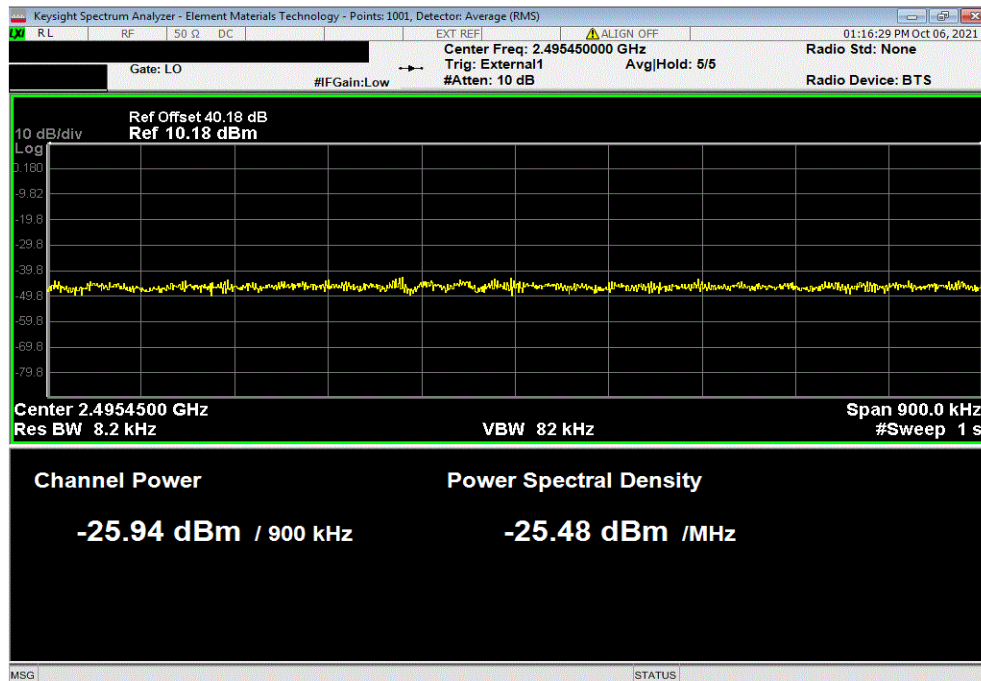


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-25.91	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-25.94	-19	Pass			

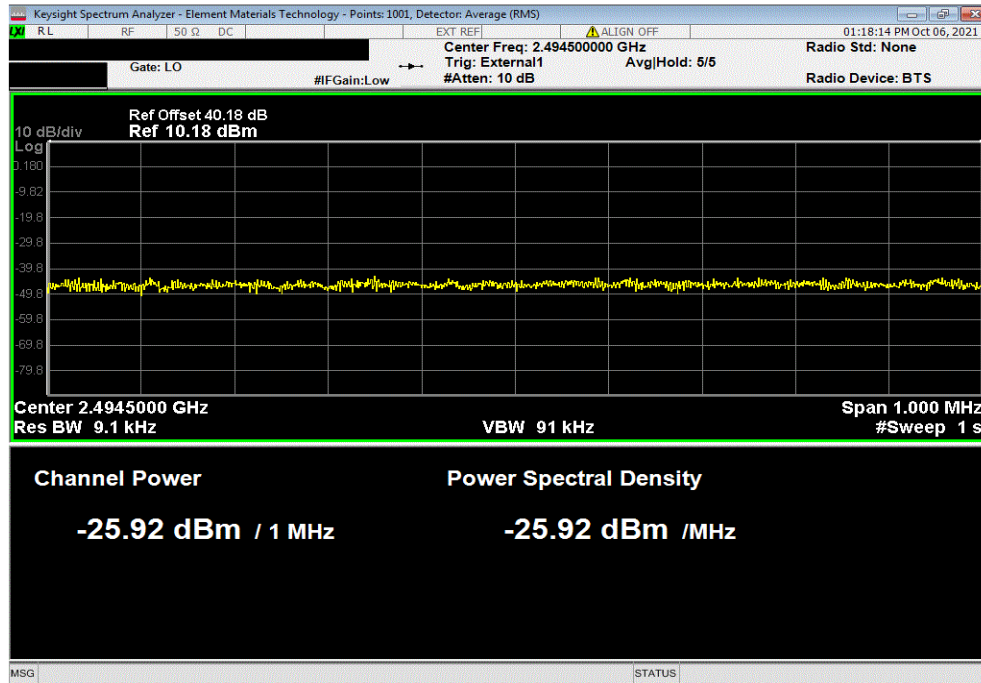


BAND EDGE COMPLIANCE - 5G NR

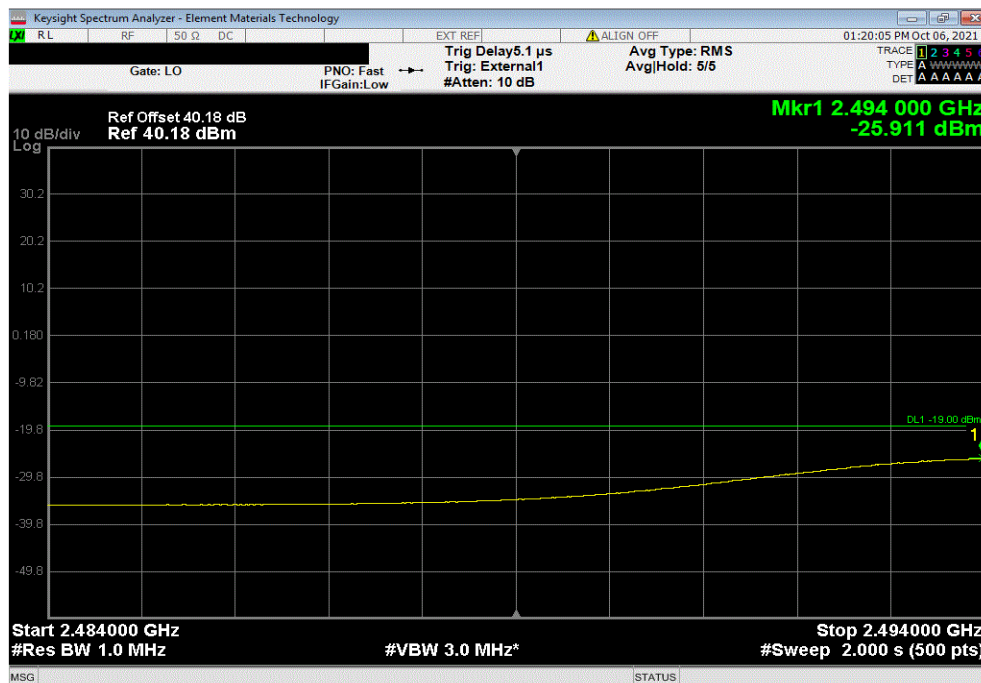


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-25.92	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Low Channel 2541.00 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-25.91	-19	Pass			

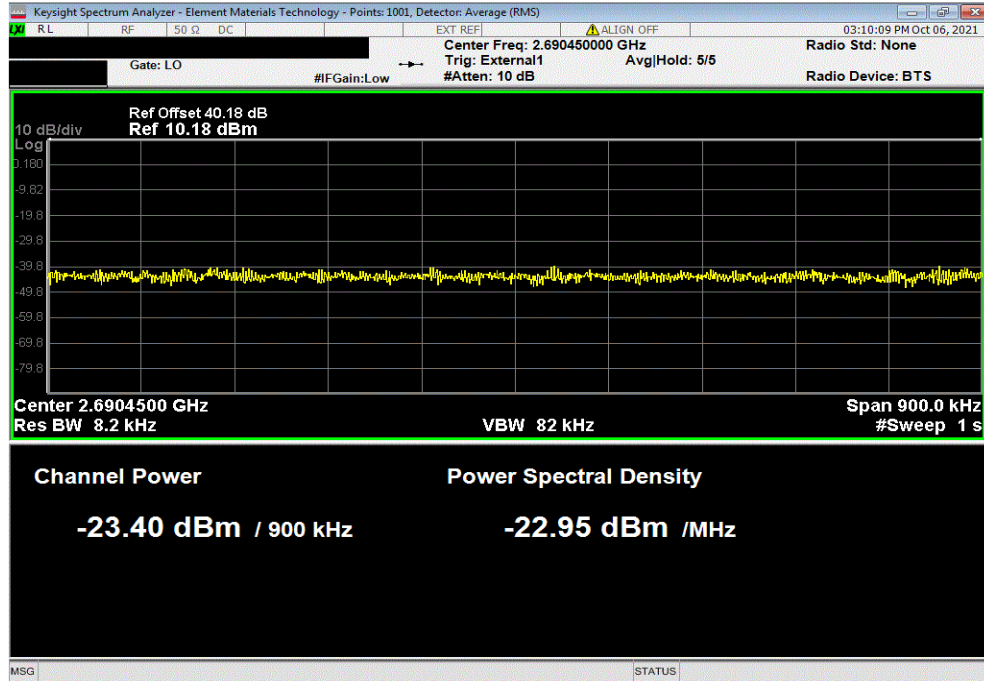


BAND EDGE COMPLIANCE - 5G NR

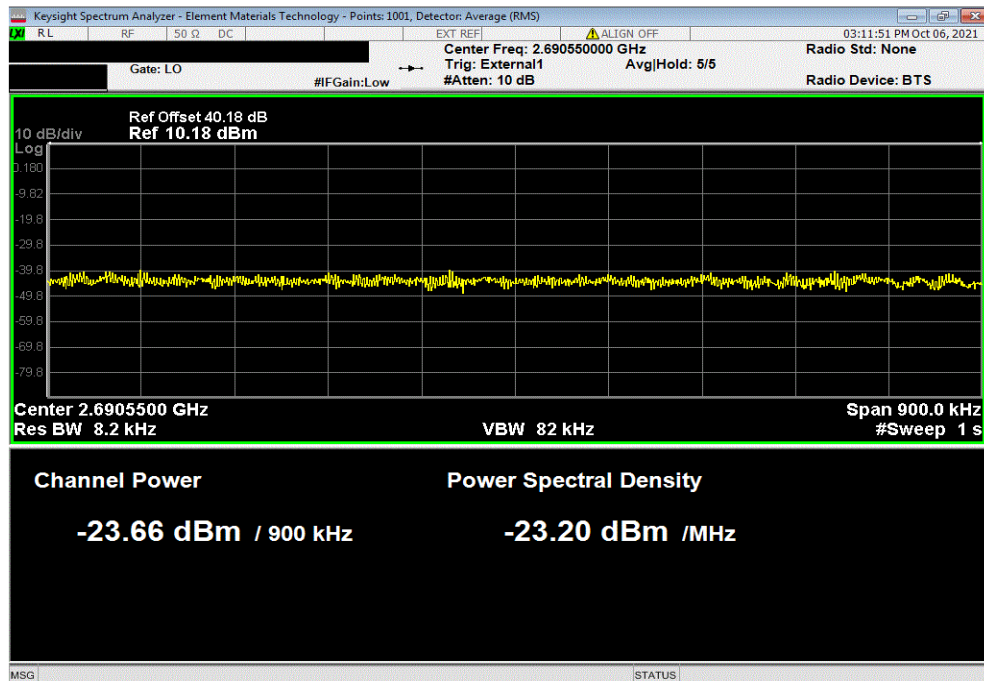


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-23.40	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-23.66	-19	Pass			

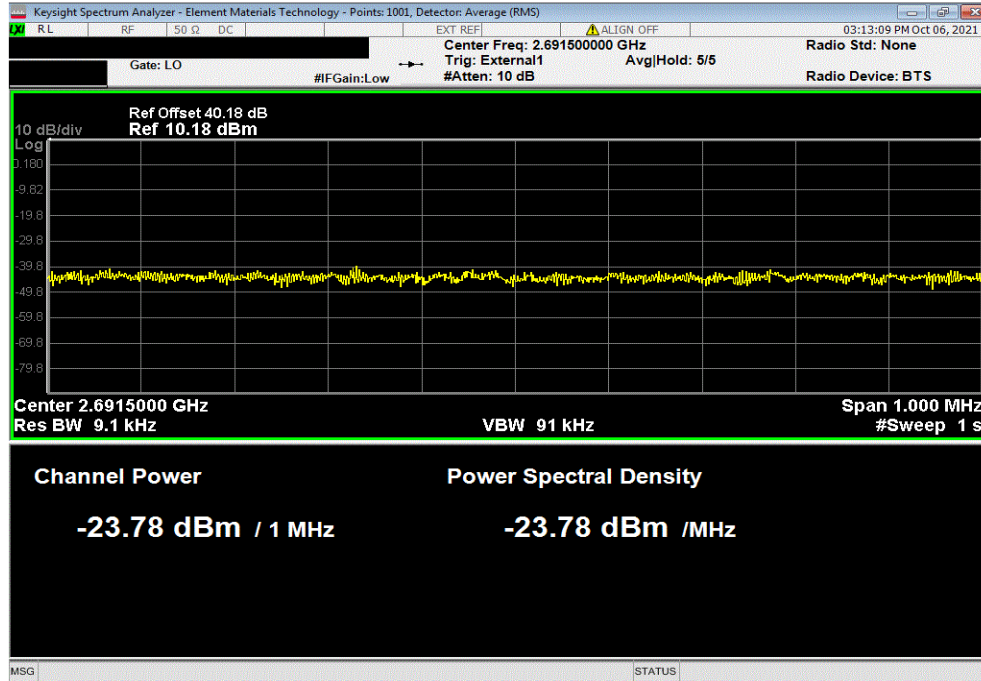


BAND EDGE COMPLIANCE - 5G NR



TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-23.78	-19	Pass			



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, High Channel 2644.98 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-23.37	-19	Pass			

