

# PEAK TO AVERAGE (PAPR) CCDF



element

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	Keysight	N9010A	AFQ	2022-01-17	2023-01-17
Block - DC	Fairview Microwave	SD3379	AMM	2021-09-14	2022-09-14
Spectrum Analyzer	Agilent Technologies, Inc.	N9020A	R316	2021-08-19	2023-08-19

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

Because the conducted Output Power was measured using a RMS Average detector, the Peak to Average Power Ratio (PAPR) was measured to show that the maximum peak-max-hold spectrum to the maximum of the average spectrum does not exceed the rule part defined limit.

The PAPR measurement method is described in ANSI C63.26 section 5.2.3.4.  
The PAPR was measured using the CCDF function of the spectrum analyzer.

Per FCC part 24.232(d) and RSS 133 6.4, the PAPR limit shall not exceed 13 dB for more than the ANSI described 0.1% of the time.


Per FCC part 27.50(d)(5), RSS-139 6.5, and RSS-170 5.3.1, the maximum peak-to-average power ratio (PAPR) is 13dB.

RF conducted emissions testing was performed only on one port. The testing was performed on the same version of hardware (AHFII) as the original certification test. The AHFII antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in this certification 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.

# PEAK TO AVERAGE (PAPR) CCDF



TstFtr 2022.03.14.0 XMI 2022.02.07.0

EUT: AHFIL Remote Radio Head		Work Order: NOKI0038
Serial Number: YK214000035		Date: 18-Mar-22
Customer: Nokia of America Corporation		Temperature: 19.6 °C
Attendees: Mitchell Hill		Humidity: 30.9% RH
Project: None		Barometric Pres.: 1018 mbar
Tested by: Brandon Hobbs	Power: 54 VDC	Job Site: TX06
TEST SPECIFICATIONS		Test Method
FCC 24E:2022		ANSI C63.26:2015
RSS-133 Issue 6:2013+A1:2018		RSS-133 Issue 6:2013+A1:2018
COMMENTS		
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. Band n25 carriers are enabled at maximum power (80 watts/carrier).		
DEVIATIONS FROM TEST STANDARD		
None		
Configuration #	2	Signature 
		PAPR Value (dB)      PAPR Limit (dB)      Results

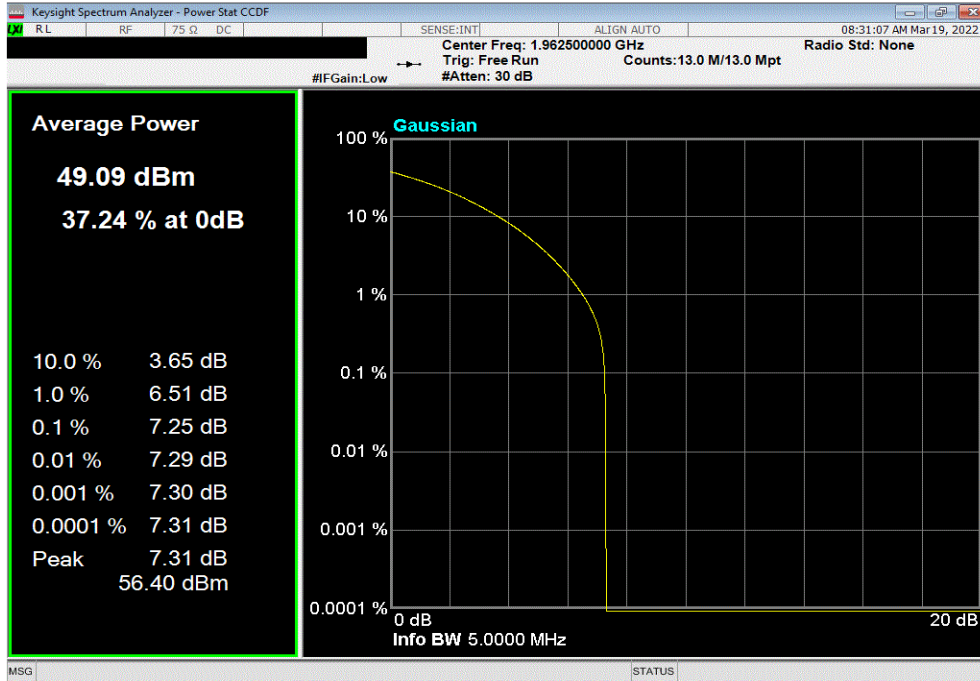
Configuration #	Power	Test Method	PAPR Value (dB)	PAPR Limit (dB)	Results
Band n25, 1930 MHz - 1995 MHz, 5G NR					
Port 1					
5 MHz Bandwidth					
QPSK Modulation					
		Mid Channel, 1962.5 MHz	7.25	13	Pass
16-QAM Modulation					
		Mid Channel, 1962.5 MHz	7.43	13	Pass
64-QAM Modulation					
		Mid Channel, 1962.5 MHz	7.24	13	Pass
256-QAM Modulation					
		Low Channel, 1932.5 MHz	7.27	13	Pass
		Mid Channel, 1962.5 MHz	7.26	13	Pass
		High Channel, 1992.5 MHz	7.24	13	Pass
10 MHz Bandwidth					
256-QAM Modulation					
		Low Channel, 1935 MHz	7.32	13	Pass
		Mid Channel, 1962.5 MHz	7.25	13	Pass
		High Channel, 1990 MHz	7.26	13	Pass
15 MHz Bandwidth					
256-QAM Modulation					
		Low Channel, 1937.5 MHz	7.40	13	Pass
		Mid Channel, 1962.5 MHz	7.22	13	Pass
		High Channel, 1987.5 MHz	7.28	13	Pass
20 MHz Bandwidth					
256-QAM Modulation					
		Low Channel, 1940 MHz	7.39	13	Pass
		Mid Channel, 1962.5 MHz	7.12	13	Pass
		High Channel, 1985 MHz	7.23	13	Pass
30 MHz Bandwidth					
256-QAM Modulation					
		Low Channel, 1945 MHz	7.55	13	Pass
		Mid Channel, 1962.5 MHz	7.13	13	Pass
		High Channel, 1980 MHz	7.30	13	Pass

# PEAK TO AVERAGE (PAPR) CCDF

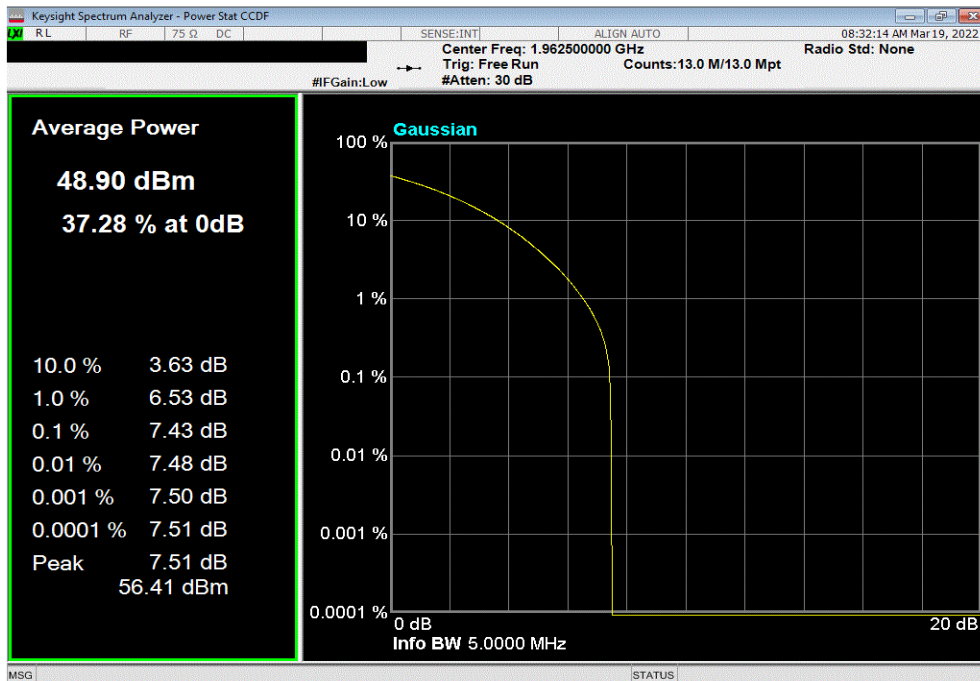


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 1962.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.25	13	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 1962.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.43	13	Pass			

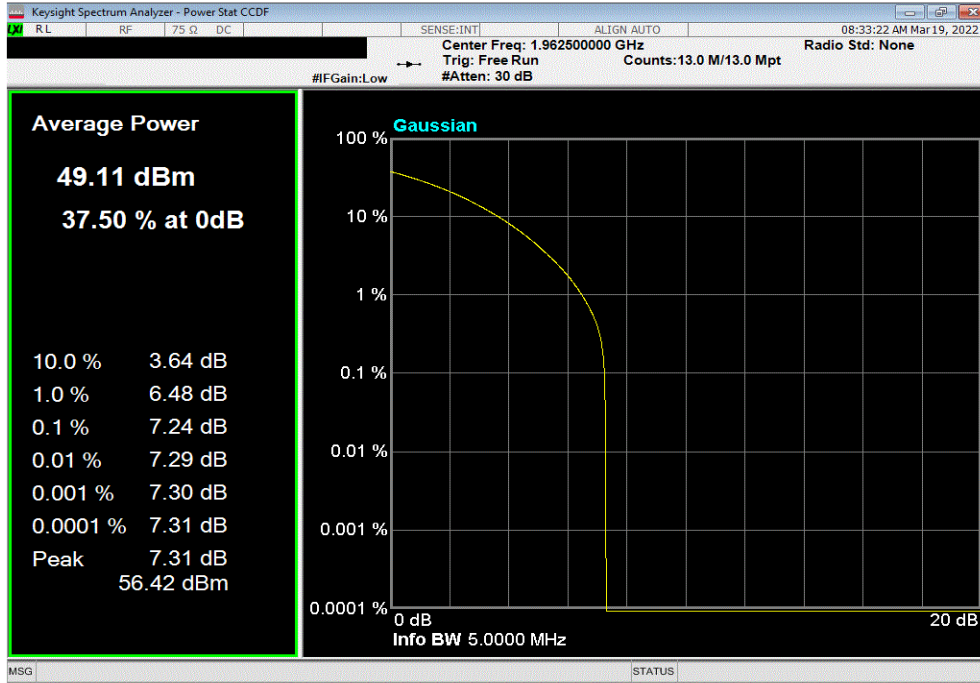


# PEAK TO AVERAGE (PAPR) CCDF

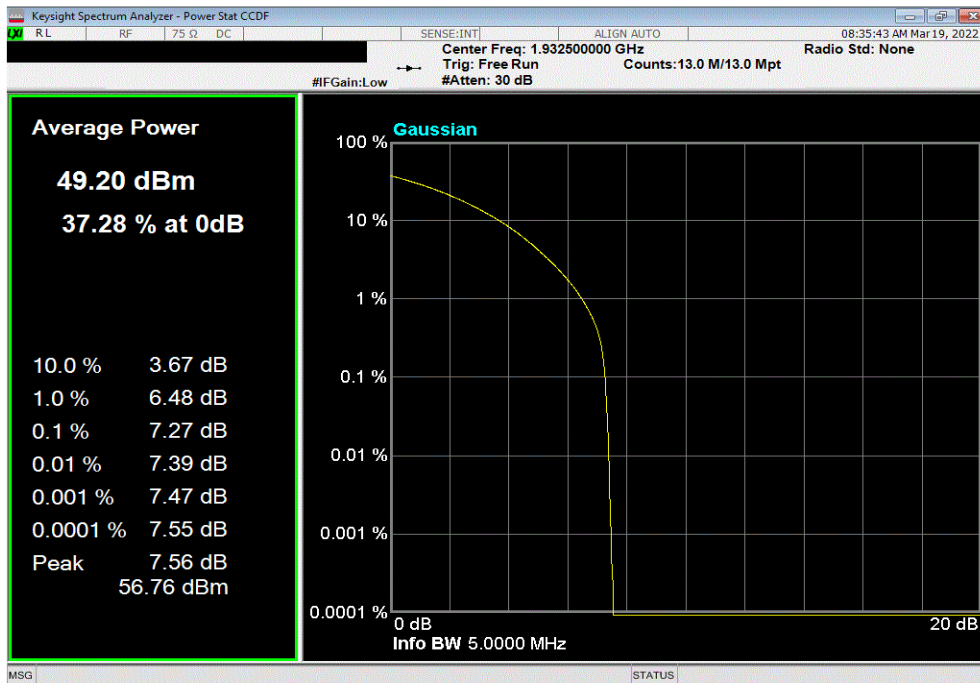


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 1962.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.24	13	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1932.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.27	13	Pass			

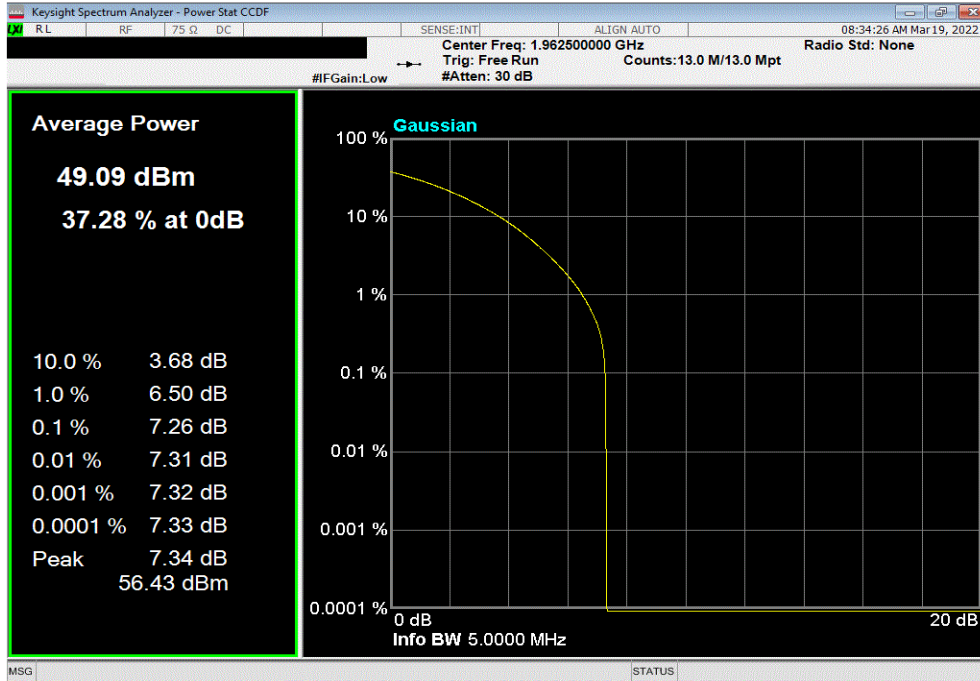


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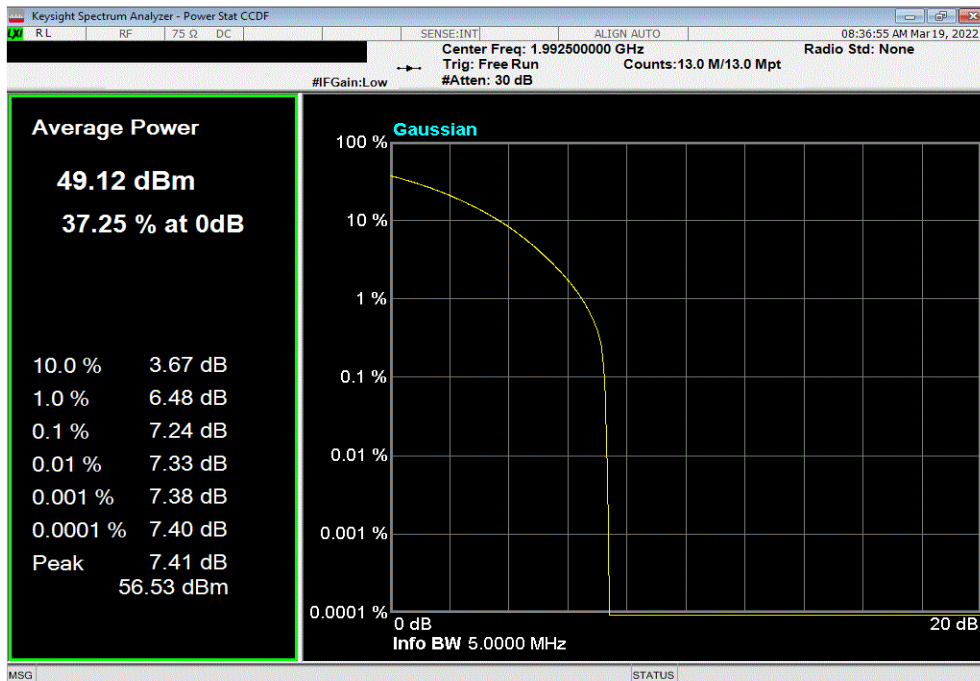


TbTx 2022.03.14.0 XMt 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1962.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 1992.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.24	13	Pass			

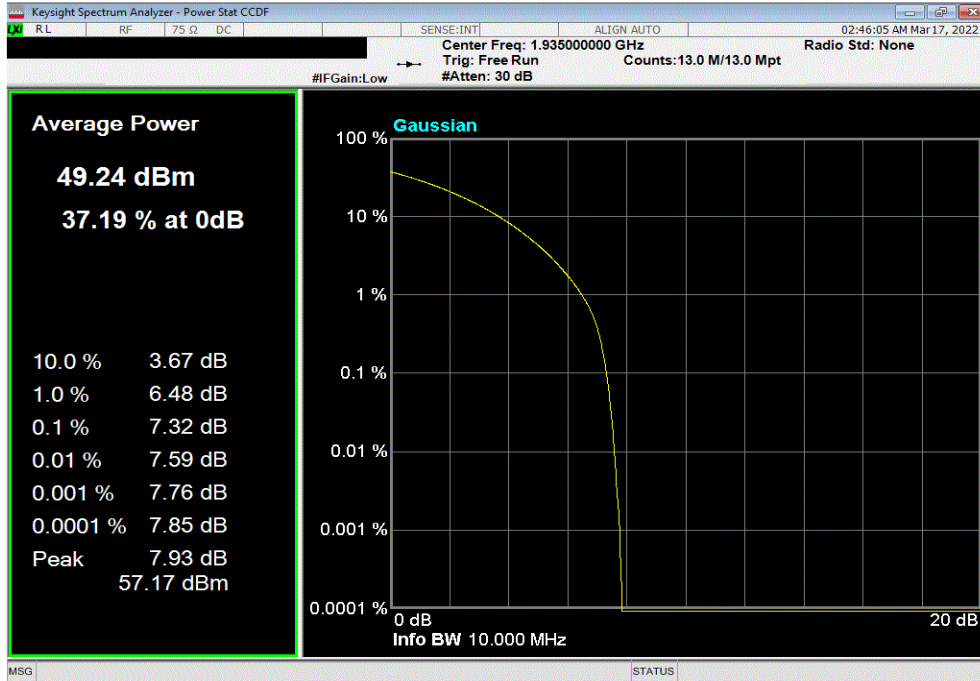


# PEAK TO AVERAGE (PAPR) CCDF

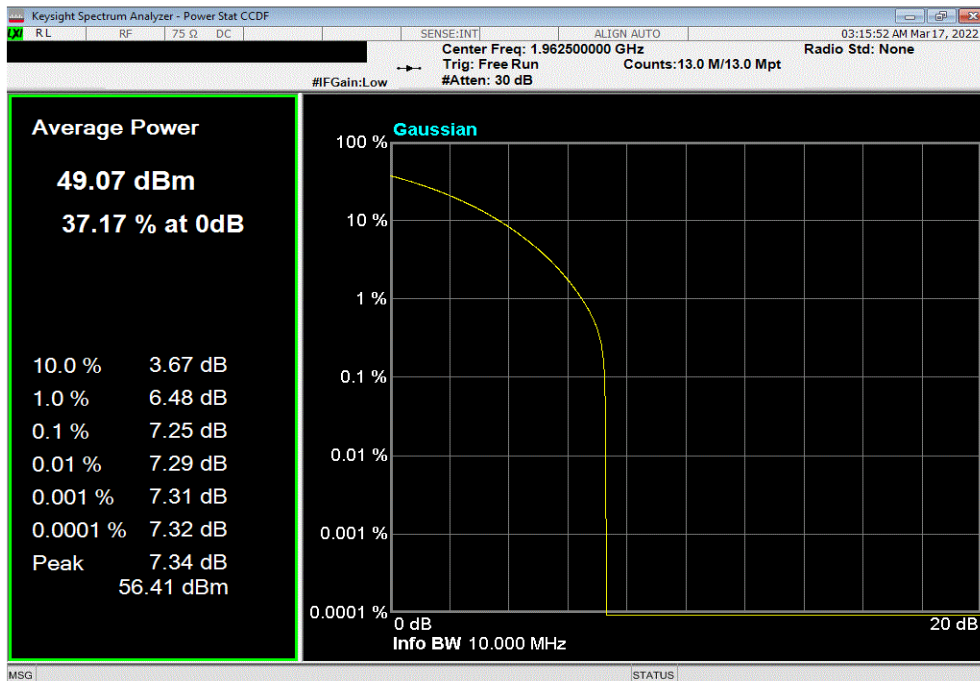


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1935 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.32	13	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1962.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.25	13	Pass			



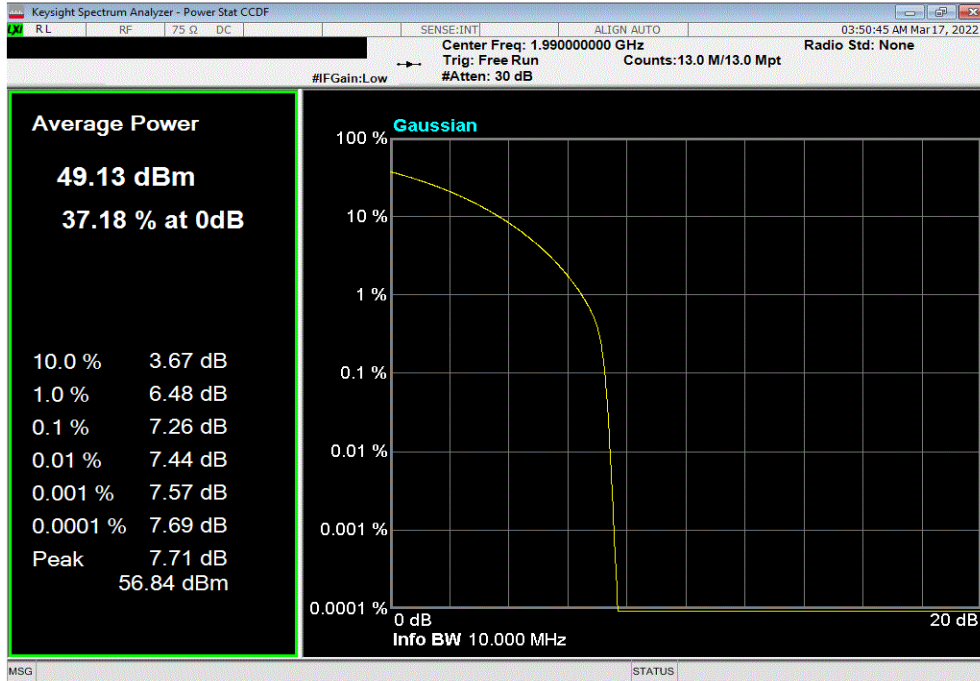


# PEAK TO AVERAGE (PAPR) CCDF

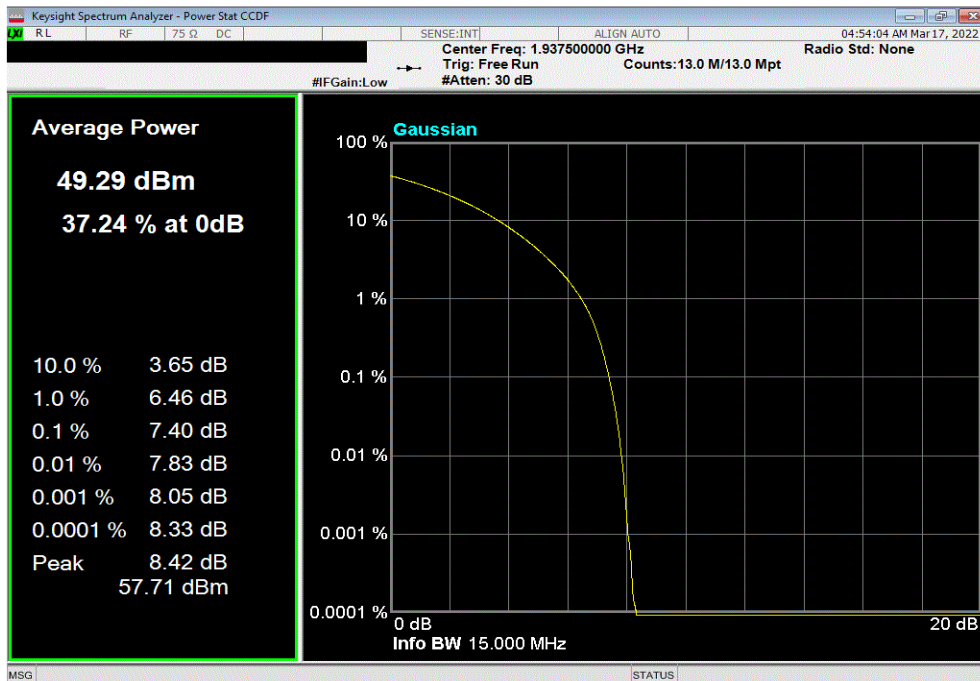


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 1990 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1937.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.4	13	Pass			

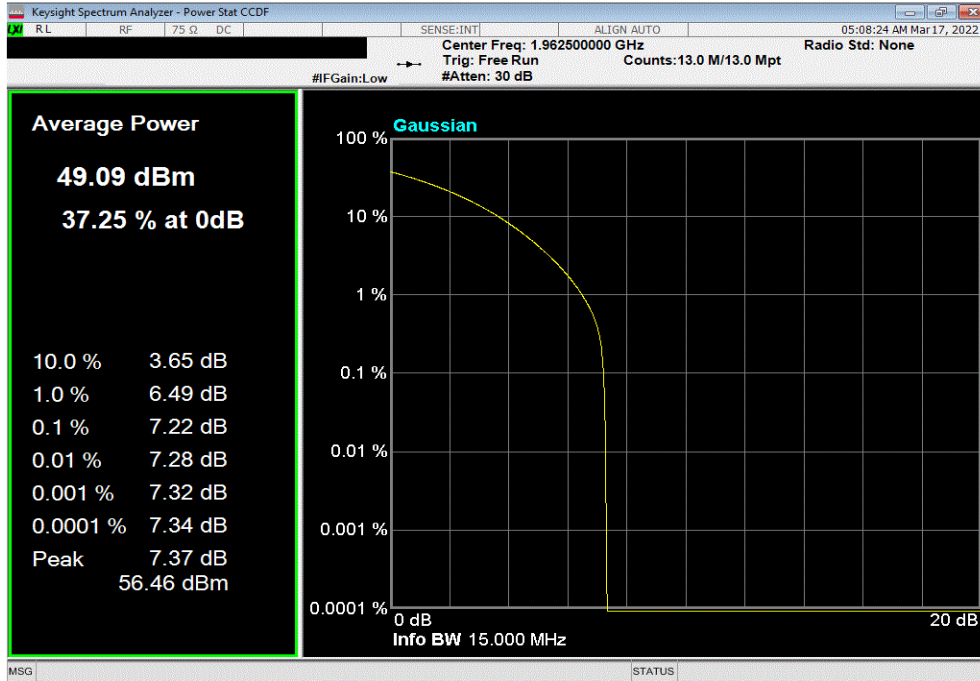


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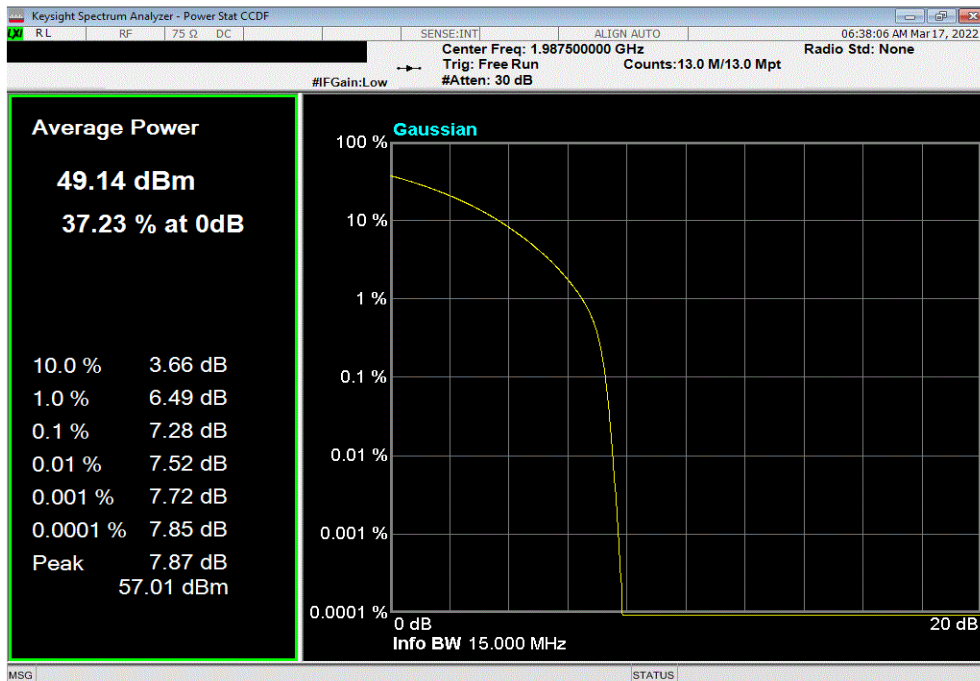


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1962.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.22	13	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, High Channel, 1987.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.28	13	Pass			



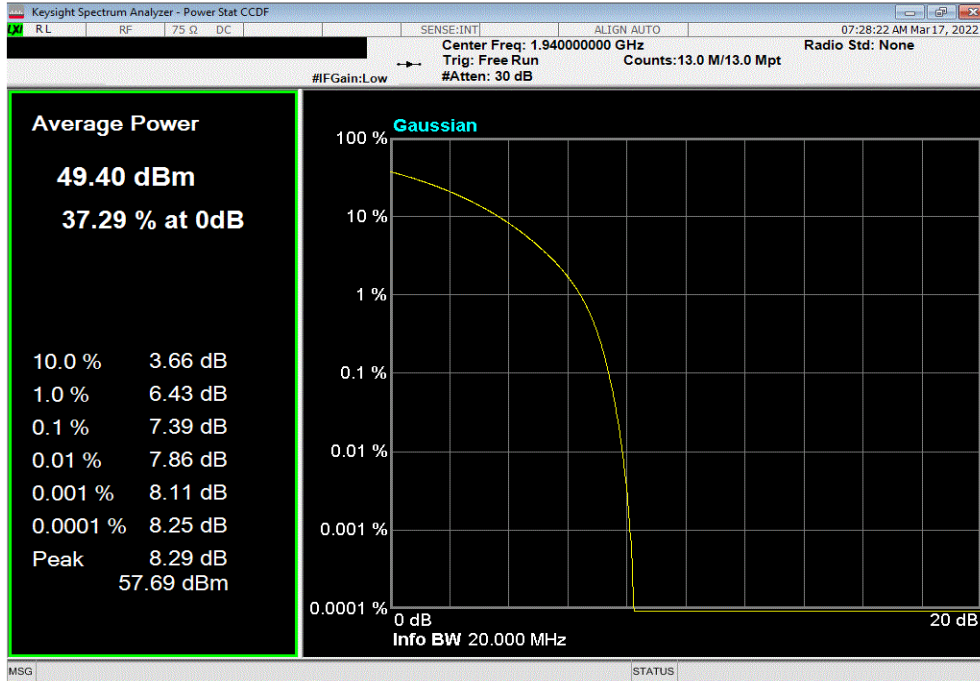


# PEAK TO AVERAGE (PAPR) CCDF

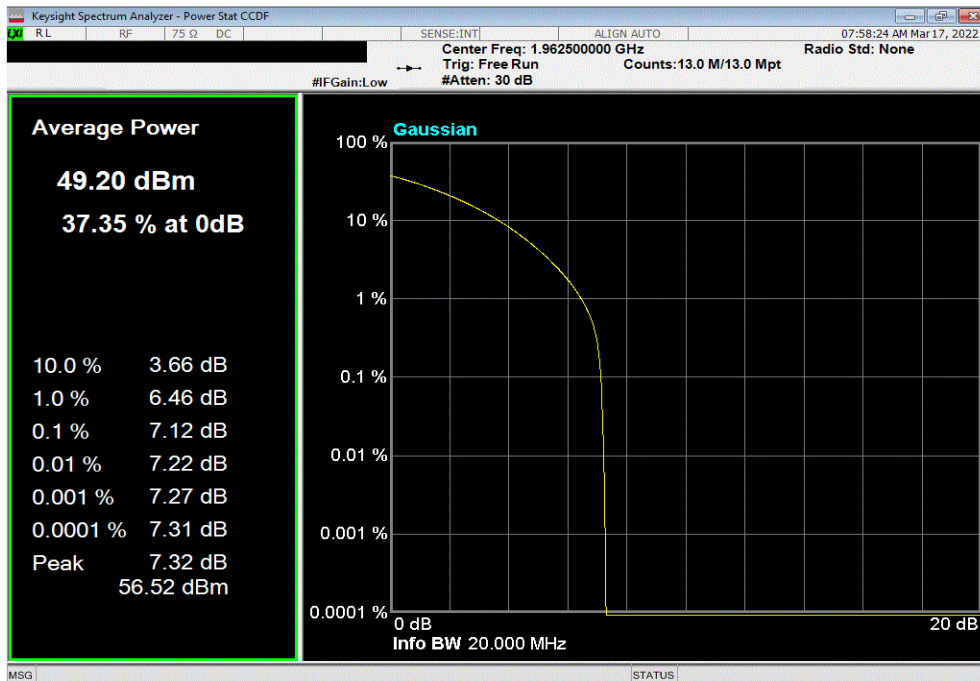


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 20 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1940 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.39	13	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 20 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1962.5 MHz.						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.12	13	Pass			

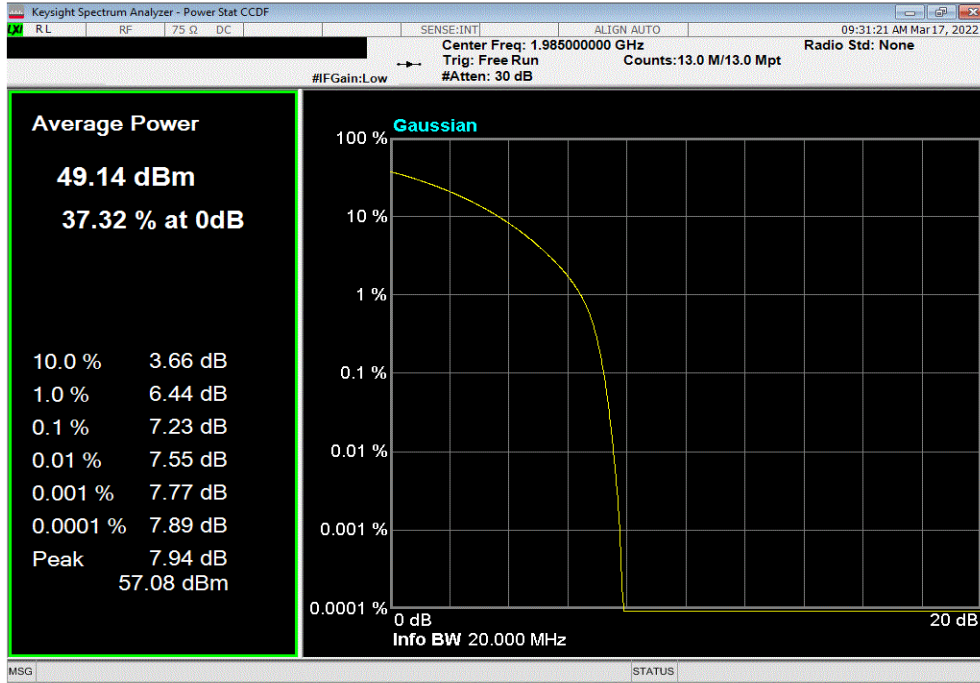


# PEAK TO AVERAGE (PAPR) CCDF

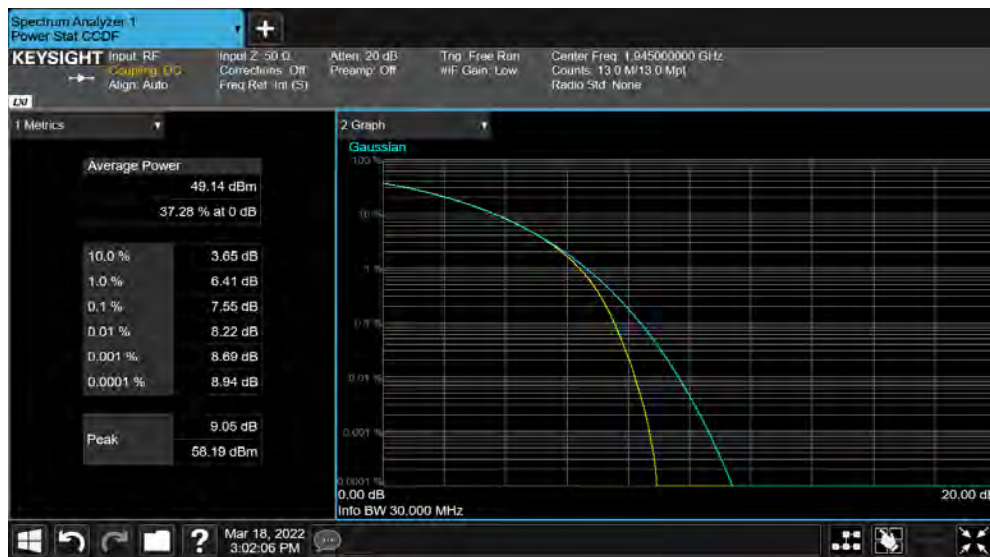


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 20 MHz Bandwidth, 256-QAM Modulation, High Channel, 1985 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.23	13	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 30 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1945 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.55	13	Pass			

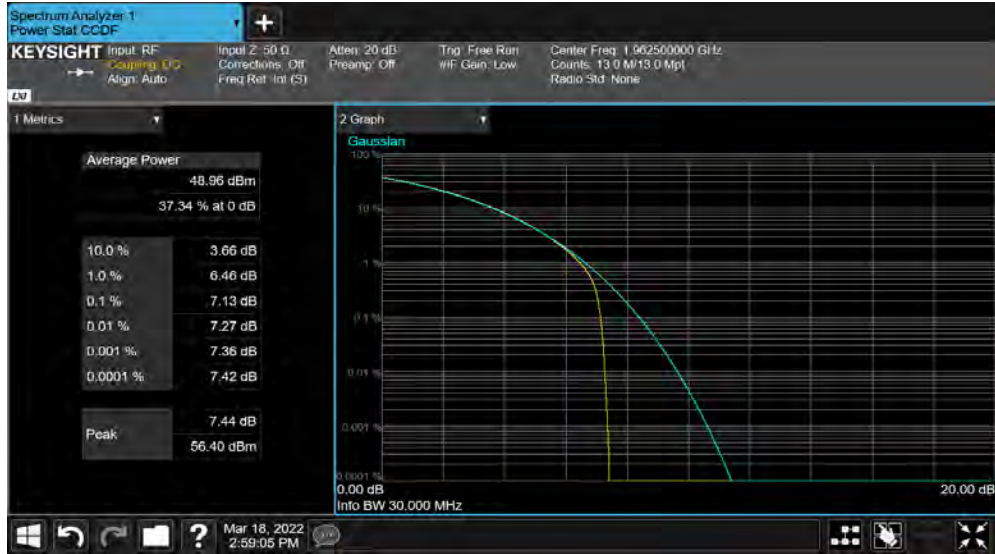


# PEAK TO AVERAGE (PAPR) CCDF

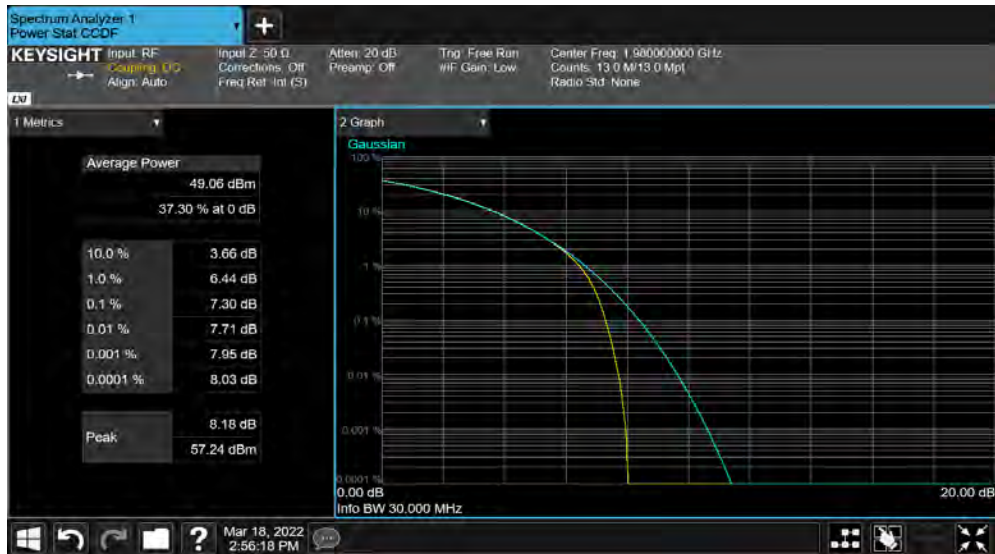


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 30 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 1962.5 MHz						
		PAPR Value (dB)	PAPR Limit (dB)	Results		
		7.13	13	Pass		




Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 30 MHz Bandwidth, 256-QAM Modulation, High Channel, 1980 MHz						
		PAPR Value (dB)	PAPR Limit (dB)	Results		
		7.3	13	Pass		



# PEAK TO AVERAGE (PAPR) CCDF



TstTx 2022.03.14.0 XMH 2022.02.07.0

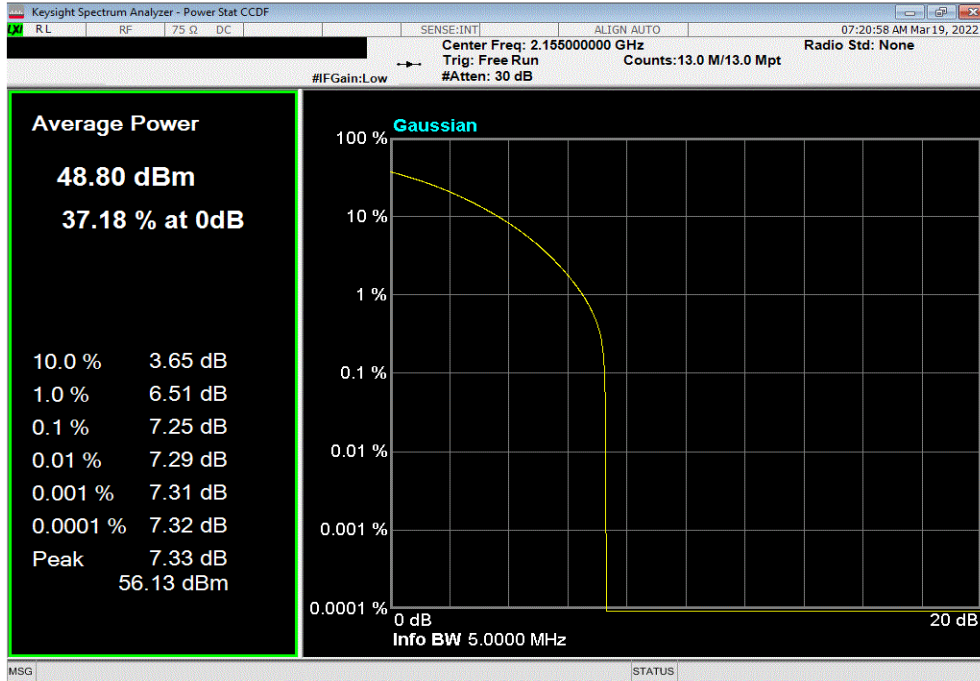
EUT: AHFII Remote Radio Head		Work Order: NOKI0038		
Serial Number: YK214000035		Date: 19-Mar-22		
Customer: Nokia of America Corporation		Temperature: 22.1 °C		
Attendees: Mitchell Hill		Humidity: 43.2% RH		
Project: None		Barometric Pres.:		
Tested by: Brandon Hobbs		Power: 54 VDC		
		Job Site: TX09		
TEST SPECIFICATIONS				
FCC 27:2022		Test Method		
RSS-139 Issue 3:2015, RSS-170 Issue 3:2015		ANSI C63.26:2015		
		RSS-139 Issue 3:2015, RSS-170 Issue 3:2015		
COMMENTS				
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. Band n66 carriers are enabled at maximum power (80 watts/carrier).				
DEVIATIONS FROM TEST STANDARD				
None				
Configuration #	2	Signature 		
		PAPR Value (dB)	PAPR Limit (dB)	Results
Band n66, 2110 MHz - 2200 MHz, 5G NR				
Port 1				
5 MHz Bandwidth				
QPSK Modulation				
	Mid Channel, 2155 MHz	7.25	13	Pass
16-QAM Modulation				
	Mid Channel, 2155 MHz	7.43	13	Pass
64-QAM Modulation				
	Mid Channel, 2155 MHz	7.25	13	Pass
256-QAM Modulation				
	Low Channel, 2112.5 MHz	7.26	13	Pass
	Mid Channel, 2155 MHz	7.26	13	Pass
	High Channel, 2197.5 MHz	7.26	13	Pass
10 MHz Bandwidth				
256-QAM Modulation				
	Low Channel, 2115 MHz	7.26	13	Pass
	Mid Channel, 2155 MHz	7.26	13	Pass
	High Channel, 2195 MHz	7.26	13	Pass
15 MHz Bandwidth				
256-QAM Modulation				
	Low Channel, 2117.5 MHz	7.27	13	Pass
	Mid Channel, 2155 MHz	7.23	13	Pass
	High Channel, 2192.5 MHz	7.26	13	Pass
20 MHz Bandwidth				
256-QAM Modulation				
	Low Channel, 2120 MHz	7.21	13	Pass
	Mid Channel, 2155 MHz	7.13	13	Pass
	High Channel, 2190 MHz	7.19	13	Pass
30 MHz Bandwidth				
256-QAM Modulation				
	Low Channel, 2125 MHz	7.27	13	Pass
	Mid Channel, 2155 MHz	7.11	13	Pass
	High Channel, 2185 MHz	7.24	13	Pass

# PEAK TO AVERAGE (PAPR) CCDF

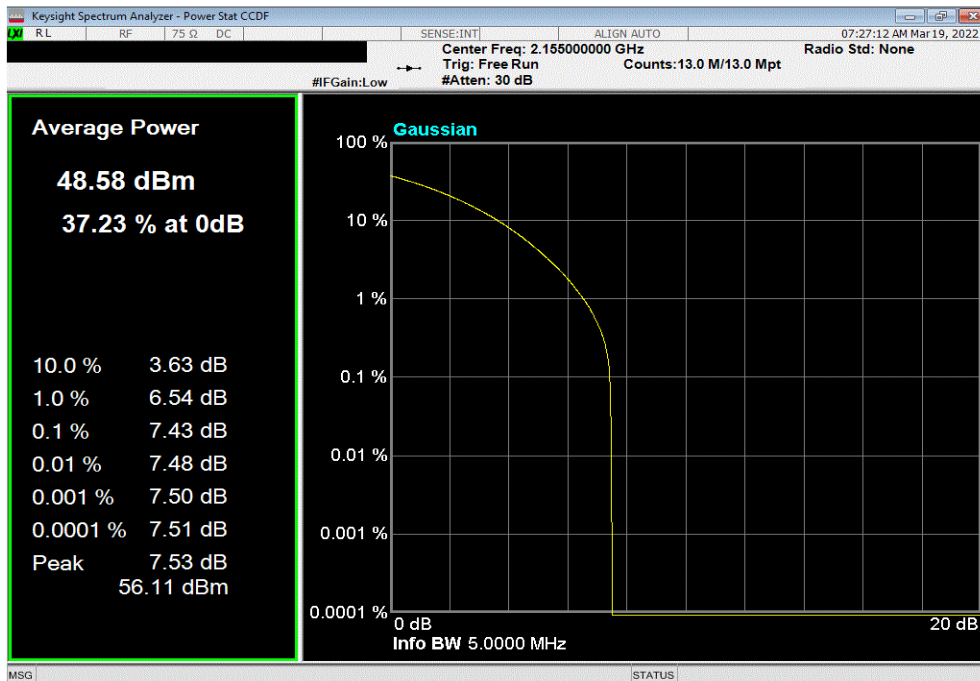


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 2155 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.25	13	Pass			



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Mid Channel, 2155 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.43	13	Pass			



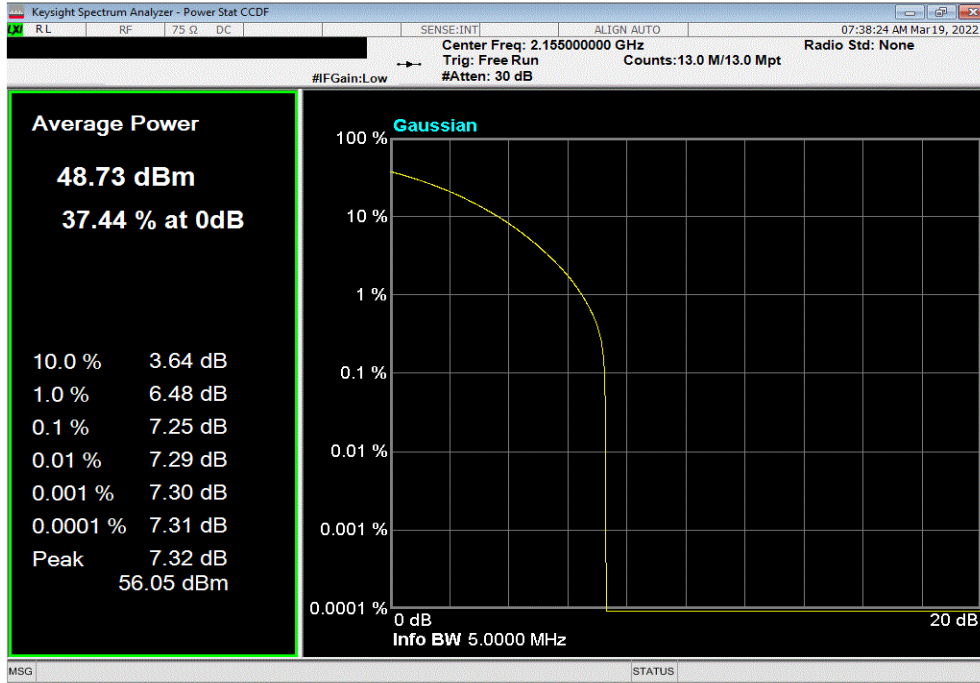


# PEAK TO AVERAGE (PAPR) CCDF

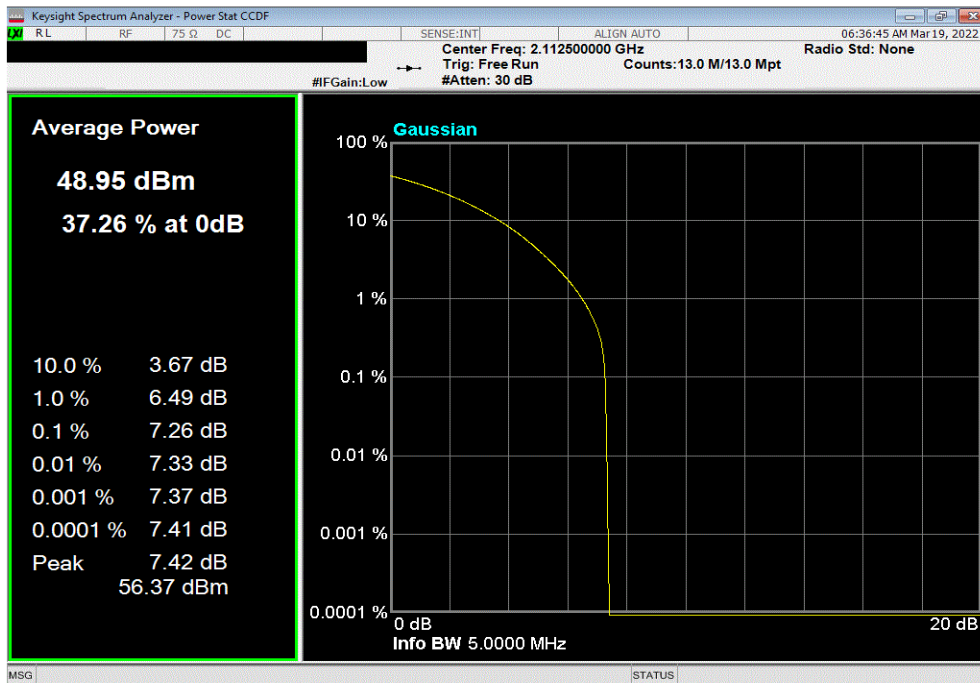


TbTx 2022.03.14.0 XMit 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Mid Channel, 2155 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.25	13	Pass			



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2112.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			

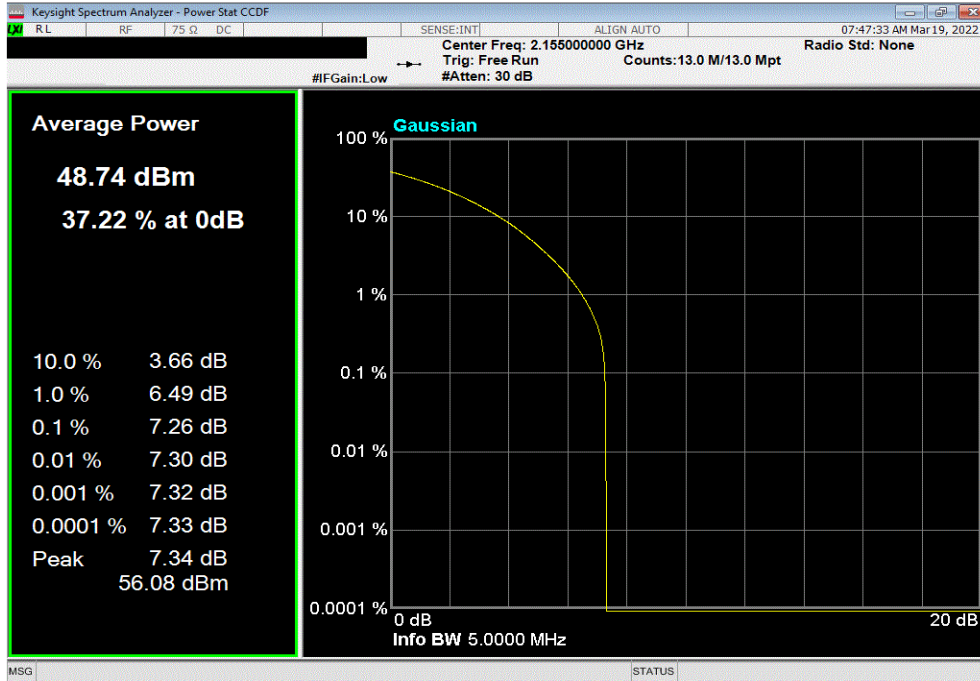


# PEAK TO AVERAGE (PAPR) CCDF

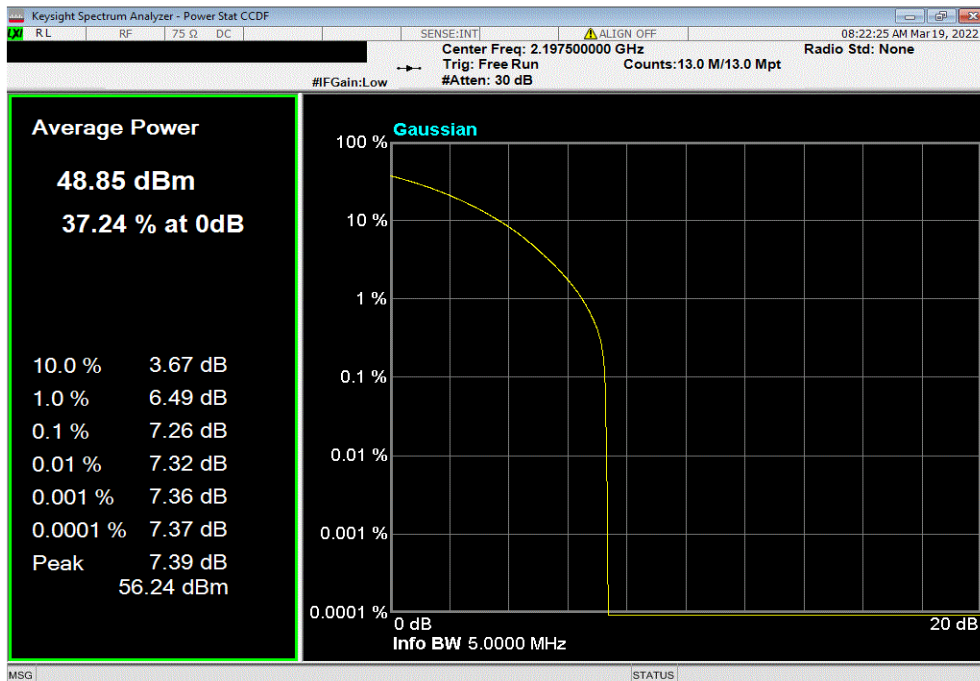


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2155 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 2197.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			

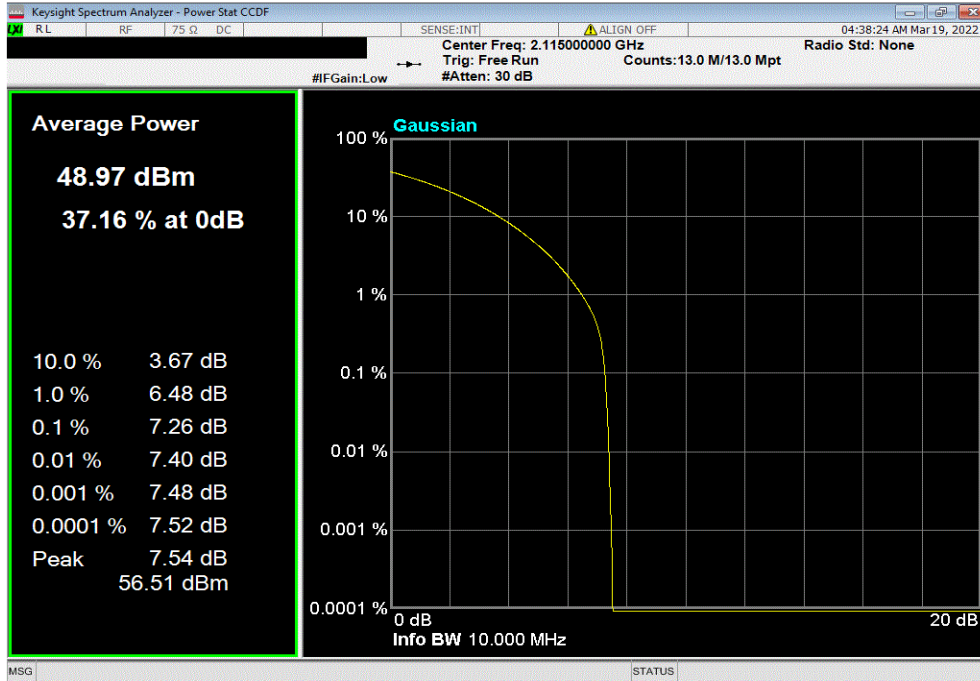


# PEAK TO AVERAGE (PAPR) CCDF

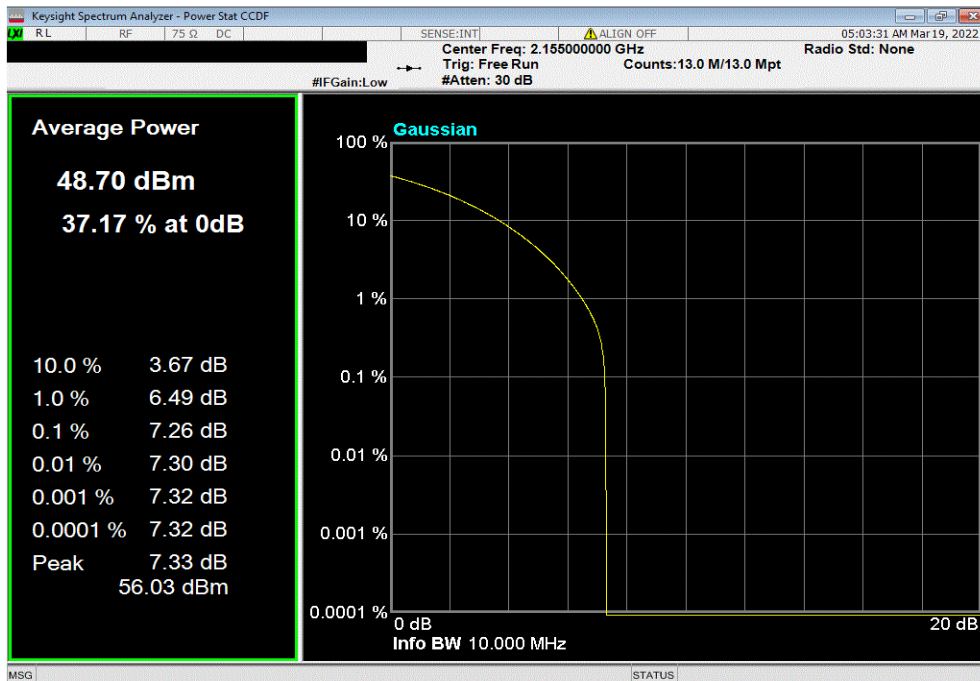


TbTx 2022.03.14.0 XMit 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2115 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2155 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			

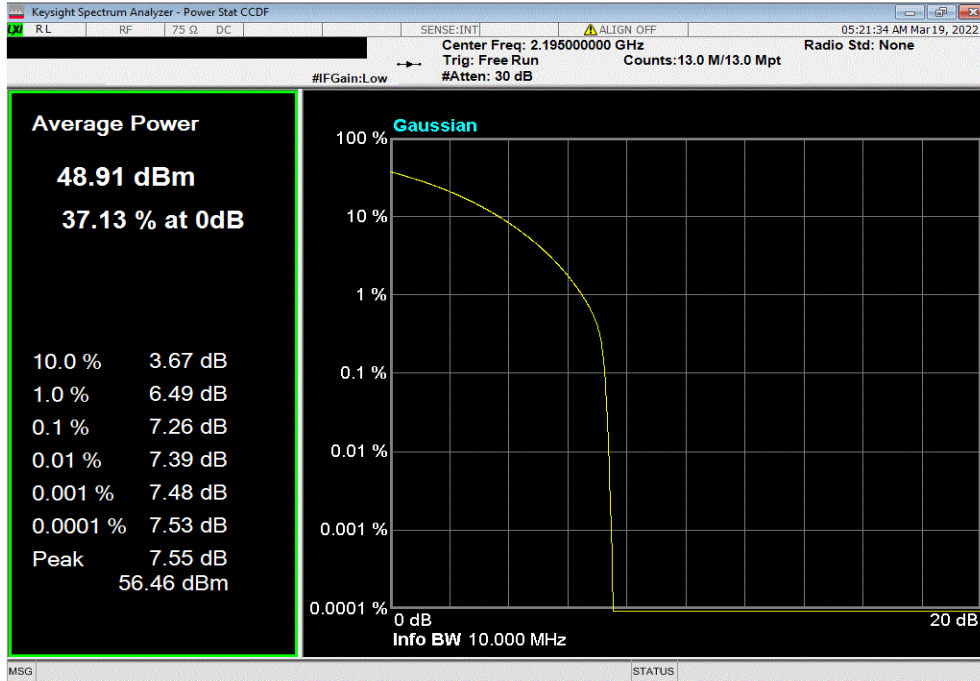


# PEAK TO AVERAGE (PAPR) CCDF

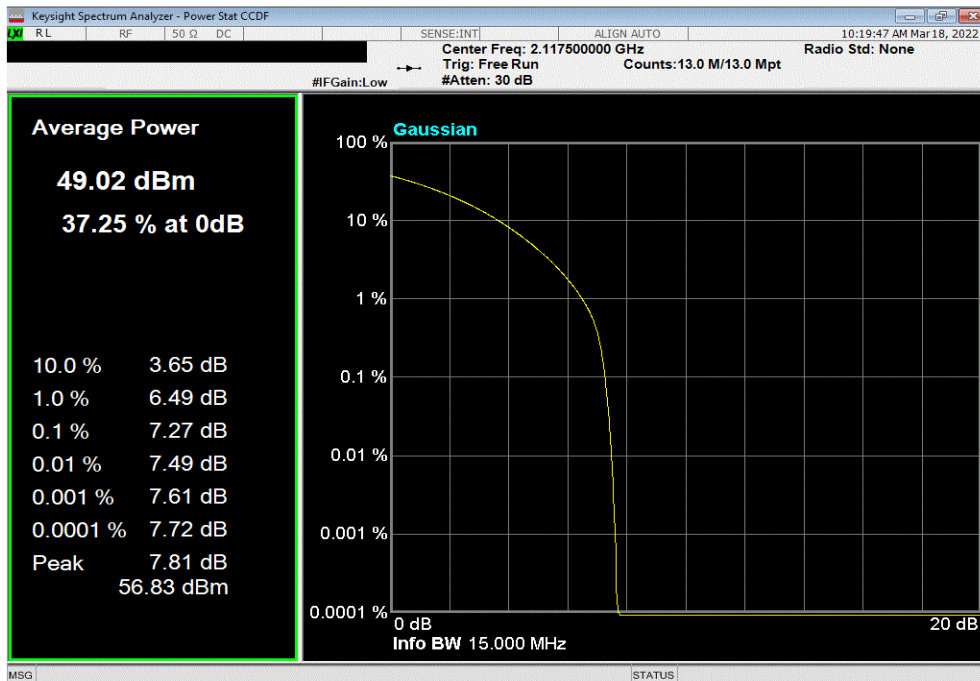


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 2195 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2117.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.27	13	Pass			

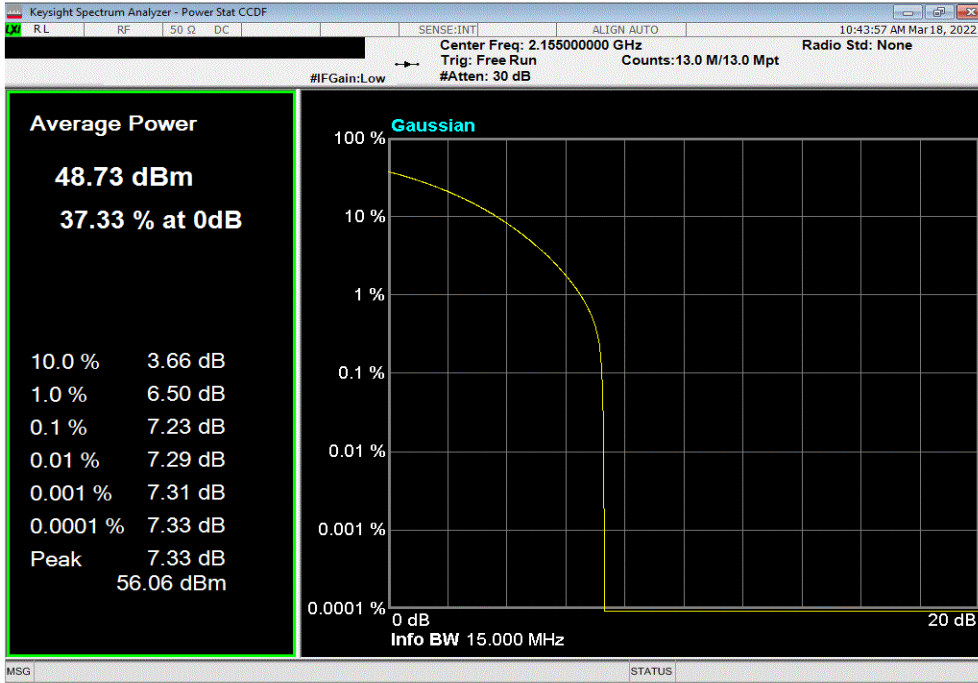


# PEAK TO AVERAGE (PAPR) CCDF

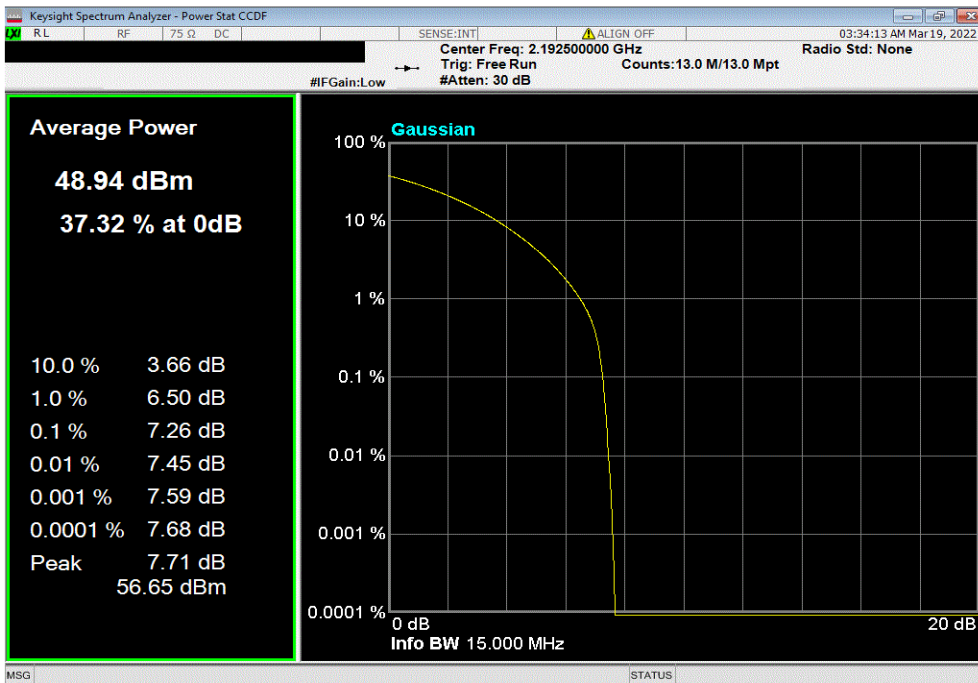


TbTx 2022.03.14.0 XMit 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2155 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.23	13	Pass			



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, High Channel, 2192.5 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.26	13	Pass			



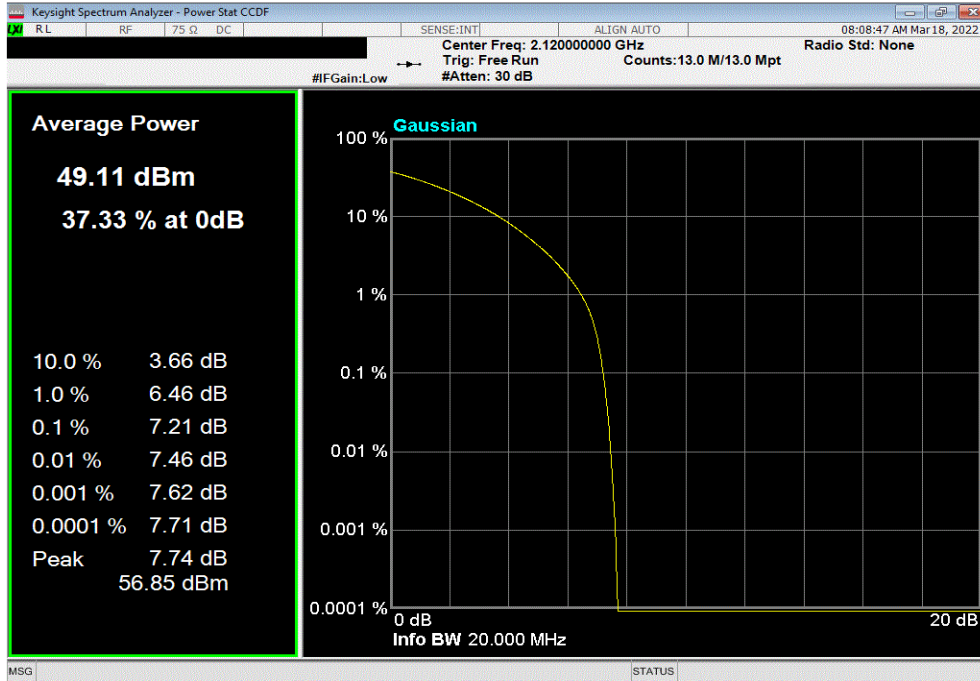


# PEAK TO AVERAGE (PAPR) CCDF

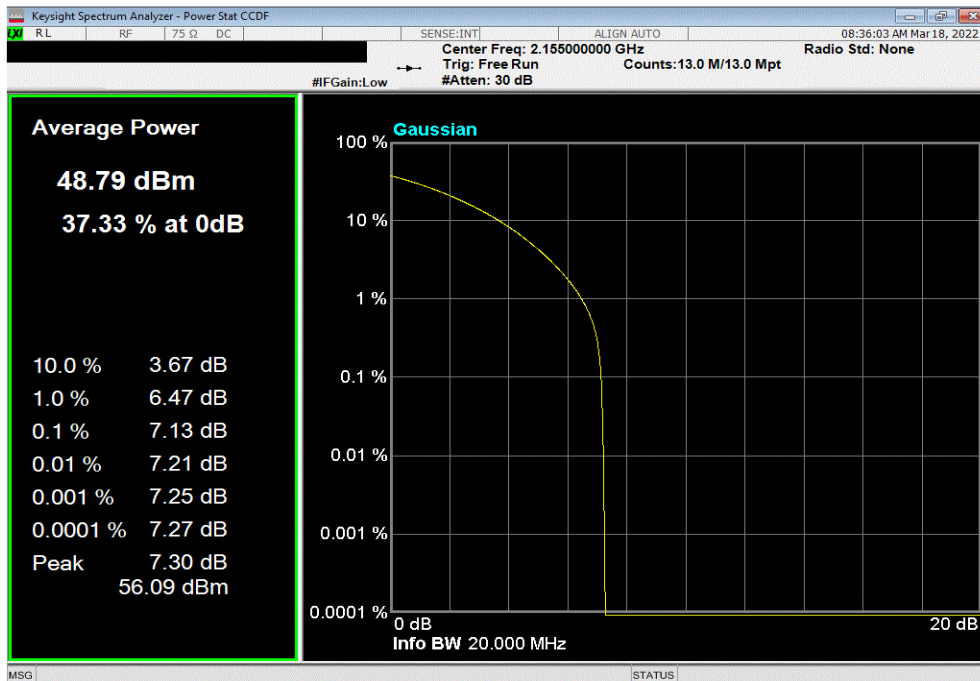


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 20 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2120 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.21	13	Pass			



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 20 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2155 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.13	13	Pass			

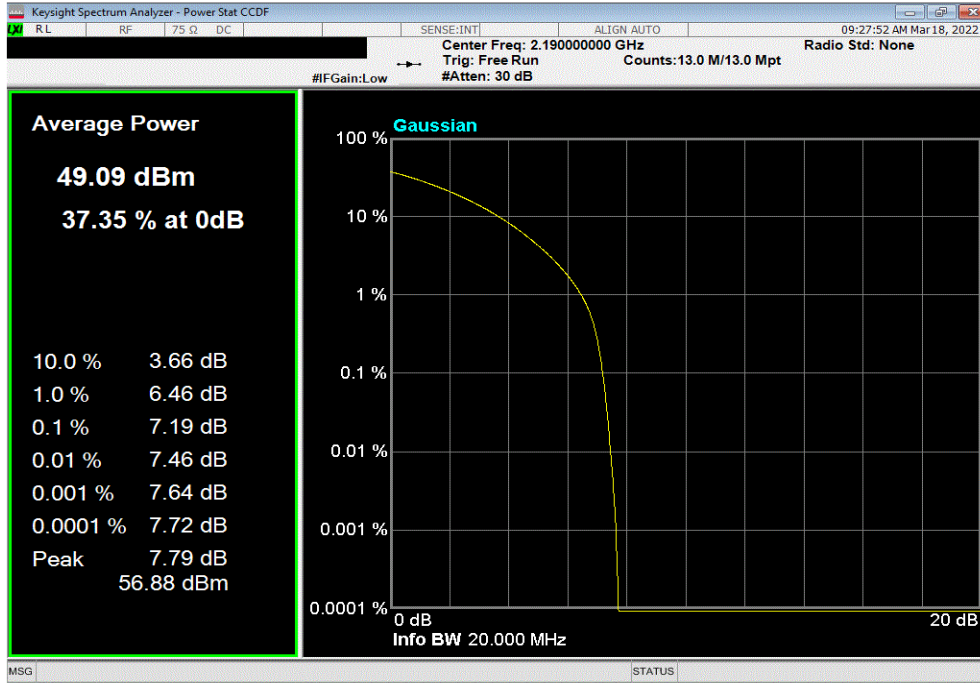


# PEAK TO AVERAGE (PAPR) CCDF

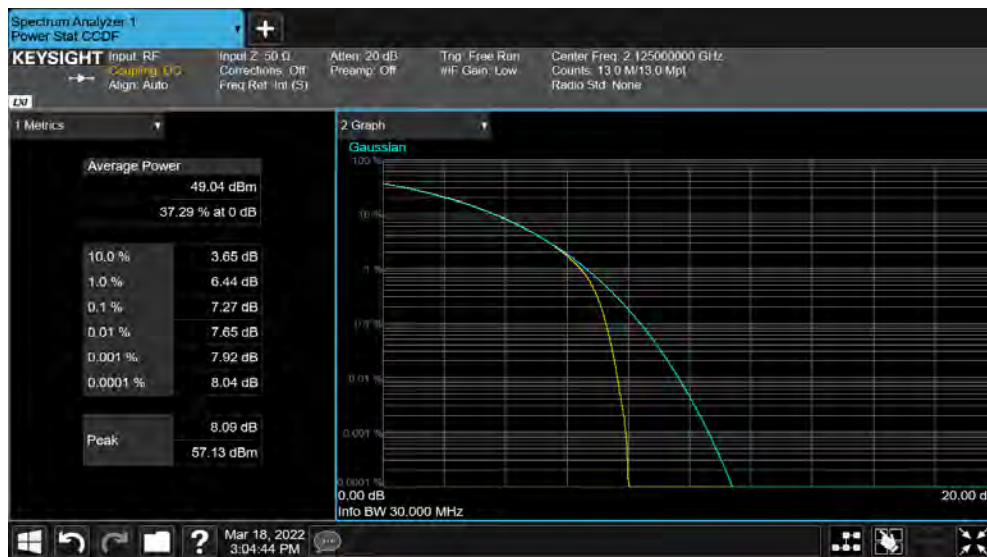


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 20 MHz Bandwidth, 256-QAM Modulation, High Channel, 2190 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.19	13	Pass			



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 30 MHz Bandwidth, 256-QAM Modulation, Low Channel, 2125 MHz						
	PAPR Value (dB)	PAPR Limit (dB)	Results			
	7.27	13	Pass			

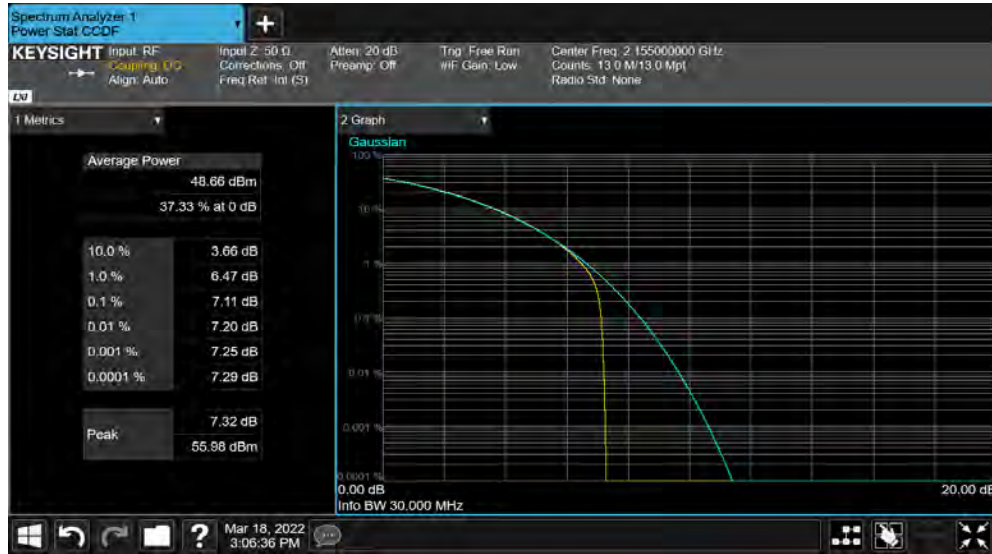


# PEAK TO AVERAGE (PAPR) CCDF

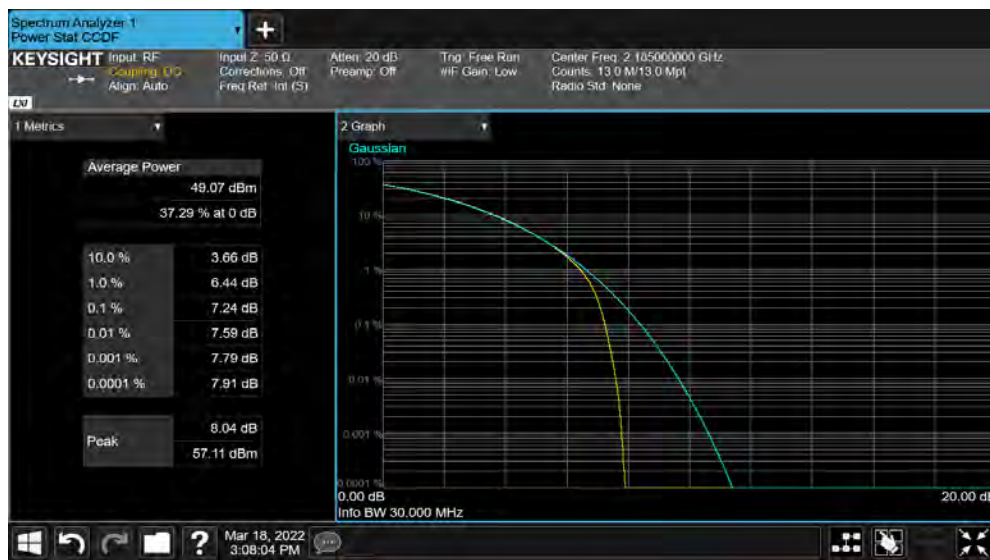


TbTx 2022.03.14.0 XMI 2022.02.07.0

Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 30 MHz Bandwidth, 256-QAM Modulation, Mid Channel, 2155 MHz						
				PAPR Value (dB)	PAPR Limit (dB)	Results
				7.11	13	Pass



Band n66, 2110 MHz - 2200 MHz, 5G NR, Port 1, 30 MHz Bandwidth, 256-QAM Modulation, High Channel, 2185 MHz						
				PAPR Value (dB)	PAPR Limit (dB)	Results
				7.24	13	Pass





XMH 2022.02.07.0

# BAND EDGE COMPLIANCE

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
Generator - Signal	Keysight	N5182B	TEV	2021-04-27	2024-04-27
Block - DC	Fairview Microwave	SD3379	AMM	2021-09-14	2022-09-14
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFQ	2022-01-17	2023-01-17

## 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.

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.

RF conducted emissions testing was performed on one port. The AHFII antenna ports are essentially electrically identical (the RF power variation between the antenna ports is small) and 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.

Per section FCC 24.238(a), 27.53(h)(1), RSS 133 6.5 (i), RSS-139 6.6 and RSS-170 5.4 & 5.4.1.2 - 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.

The RBW to be used for these measurements are per FCC 24.238(b), 27.53(h)(3), RSS 133 6.5 (i), RSS-139 6.6 and RSS-170 5.4. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's 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 MHz or 1 percent of emission bandwidth, as specified). The requirements for FCC/IC measurements are detailed in KDB971168 D01 v03r01 and ANSI 63.26.

# BAND EDGE COMPLIANCE



TbTx 2021.12.14.1 XMt 2022.02.07.0

EUT: AHFII Remote Radio Head	Work Order: NOKI0038
Serial Number: YK214000035	Date: 17-Mar-22
Customer: Nokia of America Corporation	Temperature: 21.9 °C
Attendees: Mitchell Hill	Humidity: 27.4% RH
Project: None	Barometric Pres.: 1019 mbar
Tested by: Brandon Hobbs	Power: 54 VDC
	Job Site: TX06

<b>TEST SPECIFICATIONS</b>	<b>Test Method</b>
FCC 24E:2022	ANSI C63.26:2015
RSS-133 Issue 6:2013+A1:2018	RSS-133 Issue 6:2013+A1:2018

**COMMENTS**  
 All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. Band n25 carriers are enabled at maximum power (80 watts/carrier). Some measurement marker values were offset by RBW/2 from the band edge frequency as allowed by ANSI C63.26 clause 5.7.2 for some test cases.

**DEVIATIONS FROM TEST STANDARD**  
 None

Configuration #	2	Signature	
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Band	Port	Modulation	Frequency Range	Max Value (dBm)	Limit < (dBm)	Result
Band n25, 1930 MHz - 1995 MHz, 5G NR	Port 1	5 MHz Bandwidth				
		QPSK Modulation				
		Low Channel, 1932.5 MHz	1	-22.4	-19	Pass
		Low Channel, 1932.5 MHz	2	-20.5	-19	Pass
		Low Channel, 1932.5 MHz	3	-19.8	-19	Pass
		High Channel, 1992.5 MHz	1	-22.4	-19	Pass
		High Channel, 1992.5 MHz	2	-22.6	-19	Pass
		High Channel, 1992.5 MHz	3	-22.5	-19	Pass
		16-QAM Modulation				
		Low Channel, 1932.5 MHz	1	-24.0	-19	Pass
		Low Channel, 1932.5 MHz	2	-20.7	-19	Pass
		Low Channel, 1932.5 MHz	3	-19.5	-19	Pass
		High Channel, 1992.5 MHz	1	-24.0	-19	Pass
		High Channel, 1992.5 MHz	2	-23.1	-19	Pass
		High Channel, 1992.5 MHz	3	-22.7	-19	Pass
		64-QAM Modulation				
		Low Channel, 1932.5 MHz	1	-22.8	-19	Pass
		Low Channel, 1932.5 MHz	2	-20.0	-19	Pass
		Low Channel, 1932.5 MHz	3	-19.9	-19	Pass
		High Channel, 1992.5 MHz	1	-21.2	-19	Pass
		High Channel, 1992.5 MHz	2	-22.4	-19	Pass
		High Channel, 1992.5 MHz	3	-22.2	-19	Pass
		256-QAM Modulation				
		Low Channel, 1932.5 MHz	1	-22.9	-19	Pass
		Low Channel, 1932.5 MHz	2	-20.2	-19	Pass
		Low Channel, 1932.5 MHz	3	-19.5	-19	Pass
		High Channel, 1992.5 MHz	1	-22.1	-19	Pass
		High Channel, 1992.5 MHz	2	-23.0	-19	Pass
		High Channel, 1992.5 MHz	3	-22.3	-19	Pass
		10 MHz Bandwidth				
		QPSK Modulation				
		Low Channel, 1935 MHz	1	-24.7	-19	Pass
		Low Channel, 1935 MHz	2	-19.6	-19	Pass
		Low Channel, 1935 MHz	3	-19.6	-19	Pass
		High Channel, 1990 MHz	1	-25.2	-19	Pass
		High Channel, 1990 MHz	2	-20.6	-19	Pass
		High Channel, 1990 MHz	3	-20.1	-19	Pass
		16-QAM Modulation				
		Low Channel, 1935 MHz	1	-24.8	-19	Pass
		Low Channel, 1935 MHz	2	-19.8	-19	Pass
		Low Channel, 1935 MHz	3	-19.7	-19	Pass
		High Channel, 1990 MHz	1	-26.5	-19	Pass
		High Channel, 1990 MHz	2	-21.6	-19	Pass
		High Channel, 1990 MHz	3	-21.0	-19	Pass



<b>64-QAM Modulation</b>					
Low Channel, 1935 MHz	1	-24.6	-19	Pass	
Low Channel, 1935 MHz	2	-19.7	-19	Pass	
Low Channel, 1935 MHz	3	-19.5	-19	Pass	
High Channel, 1990 MHz	1	-25.5	-19	Pass	
High Channel, 1990 MHz	2	-20.7	-19	Pass	
High Channel, 1990 MHz	3	-19.7	-19	Pass	
<b>256-QAM Modulation</b>					
Low Channel, 1935 MHz	1	-24.5	-19	Pass	
Low Channel, 1935 MHz	2	-19.8	-19	Pass	
Low Channel, 1935 MHz	3	-19.4	-19	Pass	
High Channel, 1990 MHz	1	-24.7	-19	Pass	
High Channel, 1990 MHz	2	-20.1	-19	Pass	
High Channel, 1990 MHz	3	-20.1	-19	Pass	
<b>15 MHz Bandwidth</b>					
<b>QPSK Modulation</b>					
Low Channel, 1937.5 MHz	1	-23.7	-19	Pass	
Low Channel, 1937.5 MHz	2	-20.0	-19	Pass	
Low Channel, 1937.5 MHz	3	-19.5	-19	Pass	
High Channel, 1987.5 MHz	1	-24.3	-19	Pass	
High Channel, 1987.5 MHz	2	-20.0	-19	Pass	
High Channel, 1987.5 MHz	3	-19.2	-19	Pass	
<b>16-QAM Modulation</b>					
Low Channel, 1937.5 MHz	1	-23.1	-19	Pass	
Low Channel, 1937.5 MHz	2	-19.6	-19	Pass	
Low Channel, 1937.5 MHz	3	-19.5	-19	Pass	
High Channel, 1987.5 MHz	1	-24.3	-19	Pass	
High Channel, 1987.5 MHz	2	-20.1	-19	Pass	
High Channel, 1987.5 MHz	3	-19.5	-19	Pass	
<b>64-QAM Modulation</b>					
Low Channel, 1937.5 MHz	1	-23.0	-19	Pass	
Low Channel, 1937.5 MHz	2	-19.7	-19	Pass	
Low Channel, 1937.5 MHz	3	-19.4	-19	Pass	
Low Channel, 1937.5 MHz	4	-20.3	-19	Pass	
High Channel, 1987.5 MHz	1	-24.6	-19	Pass	
High Channel, 1987.5 MHz	2	-20.1	-19	Pass	
High Channel, 1987.5 MHz	3	-19.6	-19	Pass	
<b>256-QAM Modulation</b>					
Low Channel, 1937.5 MHz	1	-23.7	-19	Pass	
Low Channel, 1937.5 MHz	2	-19.9	-19	Pass	
Low Channel, 1937.5 MHz	3	-19.2	-19	Pass	
High Channel, 1987.5 MHz	1	-23.8	-19	Pass	
High Channel, 1987.5 MHz	2	-20.0	-19	Pass	
High Channel, 1987.5 MHz	3	-19.4	-19	Pass	
<b>20 MHz Bandwidth</b>					
<b>QPSK Modulation</b>					
Low Channel, 1940 MHz	1	-22.8	-19	Pass	
Low Channel, 1940 MHz	2	-19.8	-19	Pass	
Low Channel, 1940 MHz	3	-19.2	-19	Pass	
High Channel, 1985 MHz	1	-23.2	-19	Pass	
High Channel, 1985 MHz	2	-19.5	-19	Pass	
High Channel, 1985 MHz	3	-19.7	-19	Pass	
High Channel, 1985 MHz	4	-19.6	-19	Pass	
<b>16-QAM Modulation</b>					
Low Channel, 1940 MHz	1	-22.2	-19	Pass	
Low Channel, 1940 MHz	2	-19.7	-19	Pass	
Low Channel, 1940 MHz	3	-19.3	-19	Pass	
High Channel, 1985 MHz	1	-23.2	-19	Pass	
High Channel, 1985 MHz	2	-19.9	-19	Pass	
High Channel, 1985 MHz	3	-19.8	-19	Pass	
High Channel, 1985 MHz	4	-20.1	-19	Pass	

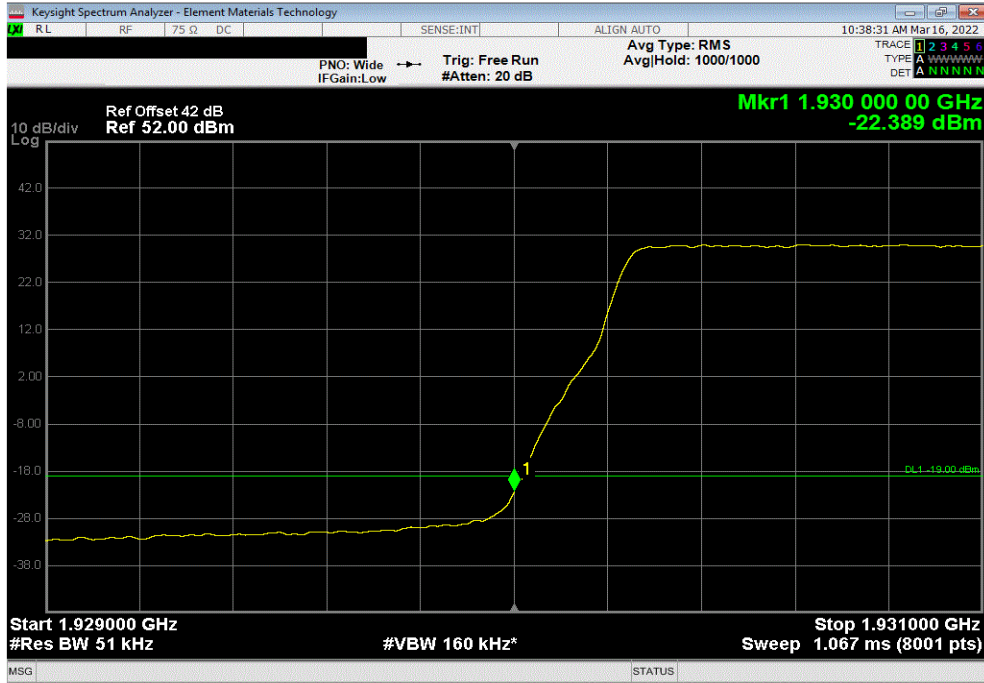
<b>64-QAM Modulation</b>					
Low Channel, 1940 MHz	1	-22.9	-19	Pass	
Low Channel, 1940 MHz	2	-19.4	-19	Pass	
Low Channel, 1940 MHz	3	-19.2	-19	Pass	
High Channel, 1985 MHz	1	-23.1	-19	Pass	
High Channel, 1985 MHz	2	-19.8	-19	Pass	
High Channel, 1985 MHz	3	-19.6	-19	Pass	
High Channel, 1985 MHz	4	-19.9	-19	Pass	
<b>256-QAM Modulation</b>					
Low Channel, 1940 MHz	1	-23.0	-19	Pass	
Low Channel, 1940 MHz	2	-19.8	-19	Pass	
Low Channel, 1940 MHz	3	-19.4	-19	Pass	
High Channel, 1985 MHz	1	-23.3	-19	Pass	
High Channel, 1985 MHz	2	-19.6	-19	Pass	
High Channel, 1985 MHz	3	-19.2	-19	Pass	
High Channel, 1985 MHz	4	-19.4	-19	Pass	
<b>30 MHz Bandwidth</b>					
<b>QPSK Modulation</b>					
Low Channel, 1945 MHz	1	-20.6	-19	Pass	
Low Channel, 1945 MHz	2	-19.6	-19	Pass	
Low Channel, 1945 MHz	3	-19.3	-19	Pass	
High Channel, 1980 MHz	1	-21.0	-19	Pass	
High Channel, 1980 MHz	2	-19.3	-19	Pass	
High Channel, 1980 MHz	3	-19.7	-19	Pass	
High Channel, 1980 MHz	4	-19.7	-19	Pass	
<b>16-QAM Modulation</b>					
Low Channel, 1945 MHz	1	-20.9	-19	Pass	
Low Channel, 1945 MHz	2	-19.4	-19	Pass	
Low Channel, 1945 MHz	3	-19.3	-19	Pass	
High Channel, 1980 MHz	1	-20.8	-19	Pass	
High Channel, 1980 MHz	2	-19.4	-19	Pass	
High Channel, 1980 MHz	3	-19.9	-19	Pass	
High Channel, 1980 MHz	4	-20.1	-19	Pass	
<b>64-QAM Modulation</b>					
Low Channel, 1945 MHz	1	-21.0	-19	Pass	
Low Channel, 1945 MHz	2	-19.4	-19	Pass	
Low Channel, 1945 MHz	3	-19.3	-19	Pass	
High Channel, 1980 MHz	1	-21.0	-19	Pass	
High Channel, 1980 MHz	2	-19.3	-19	Pass	
High Channel, 1980 MHz	3	-19.8	-19	Pass	
High Channel, 1980 MHz	4	-19.7	-19	Pass	
<b>256-QAM Modulation</b>					
Low Channel, 1945 MHz	1	-20.9	-19	Pass	
Low Channel, 1945 MHz	2	-19.3	-19	Pass	
Low Channel, 1945 MHz	3	-19.2	-19	Pass	
High Channel, 1980 MHz	1	-20.2	-19	Pass	
High Channel, 1980 MHz	2	-19.2	-19	Pass	
High Channel, 1980 MHz	3	-19.7	-19	Pass	
High Channel, 1980 MHz	4	-20.0	-19	Pass	

# BAND EDGE COMPLIANCE

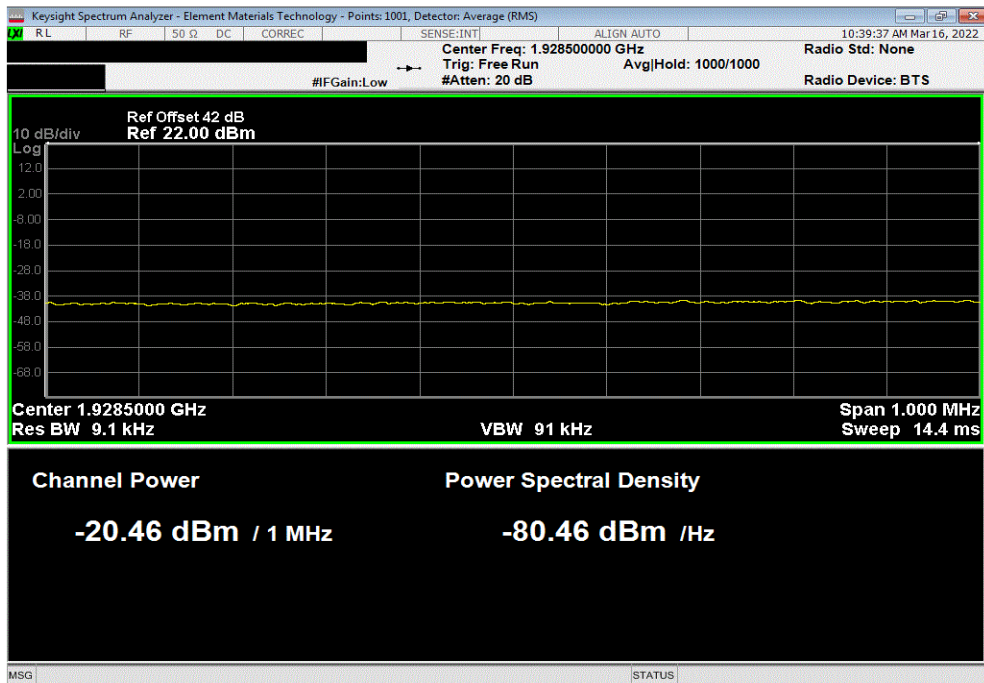


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-22.39	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.46	-19	Pass			

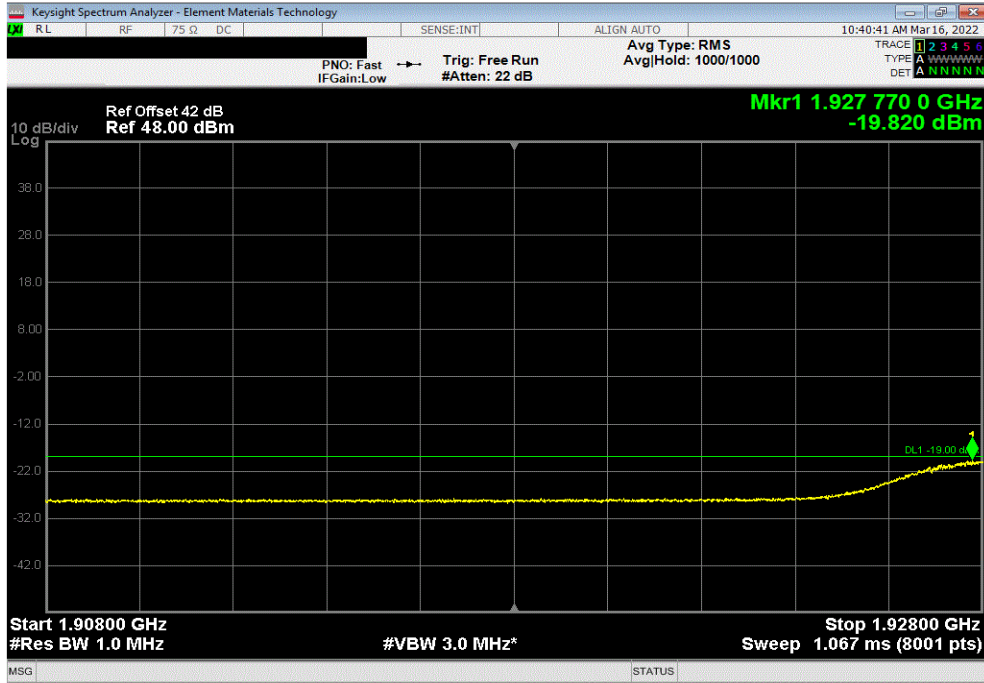


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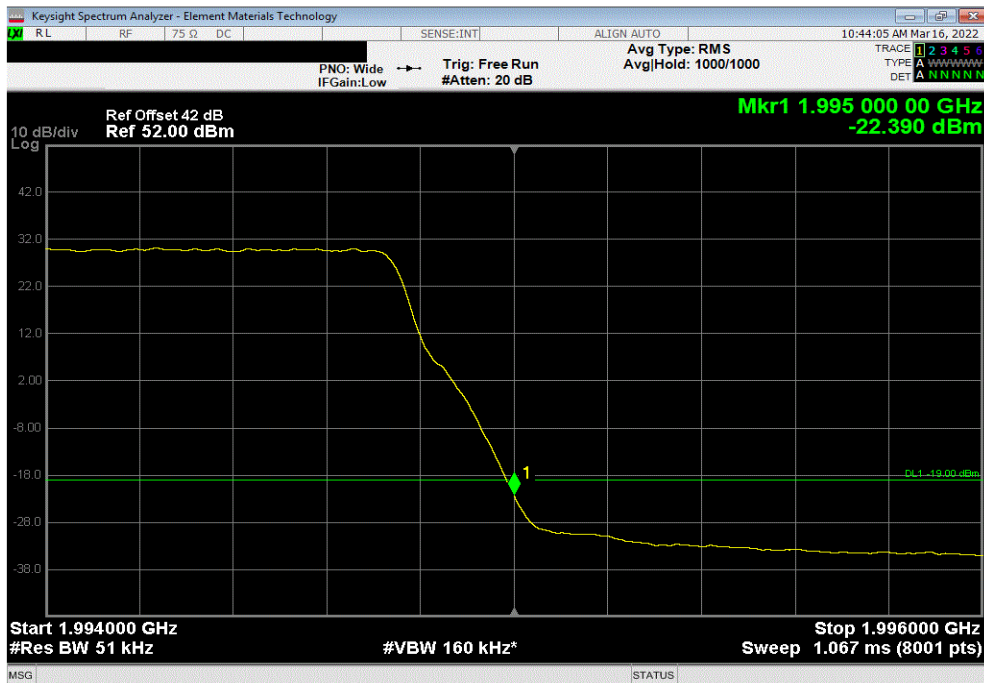


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.82	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, QPSK Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-22.39	-19	Pass			

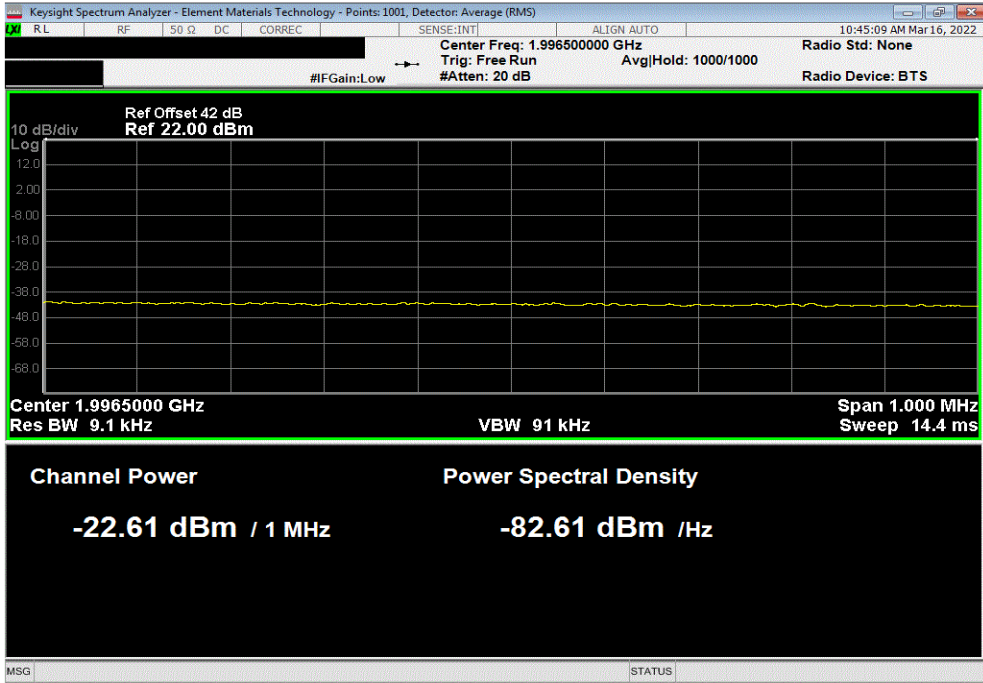


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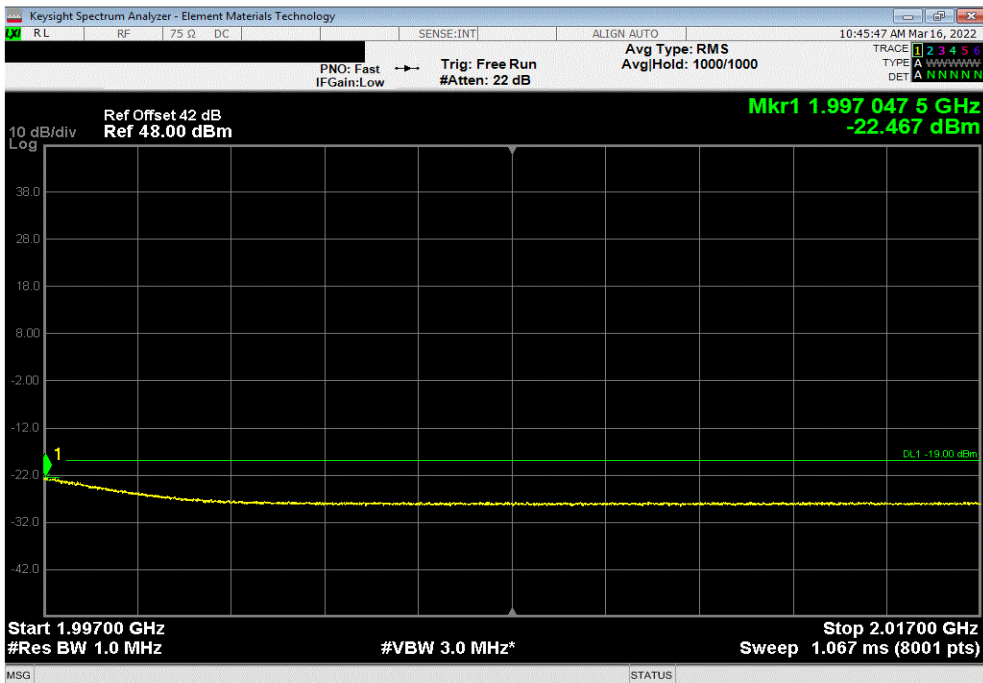


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, QPSK Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-22.61	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, QPSK Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-22.47	-19	Pass			



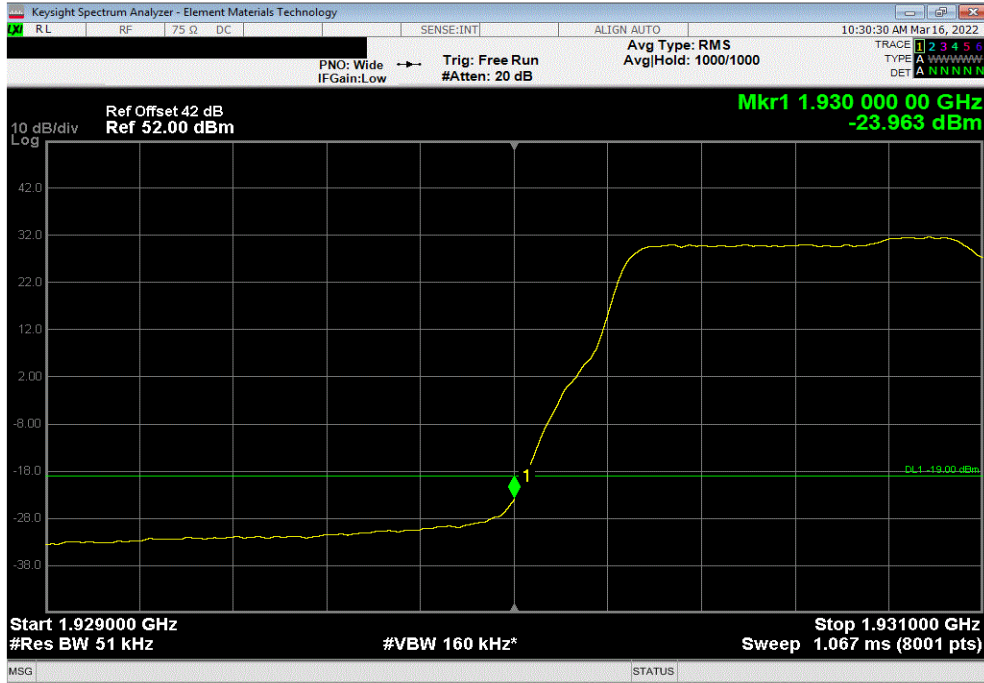


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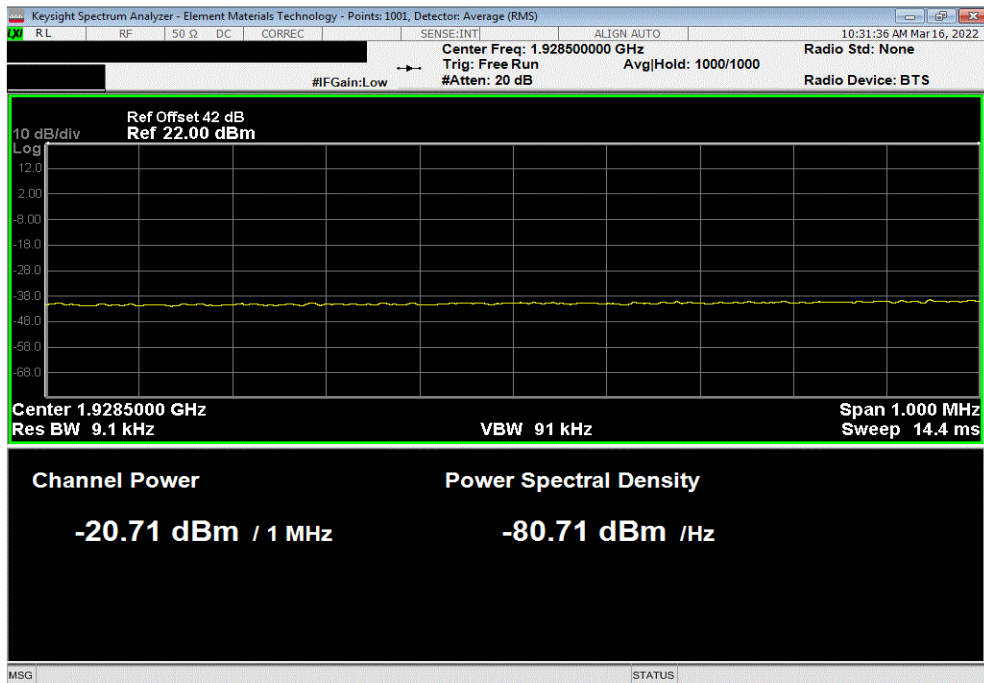


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-23.96	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.71	-19	Pass			

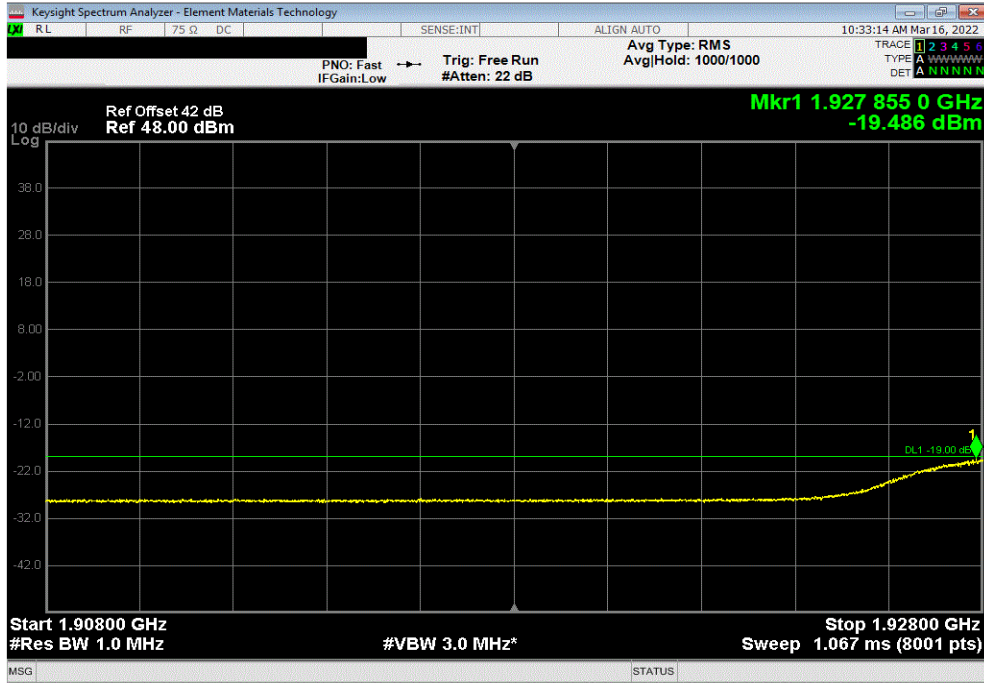


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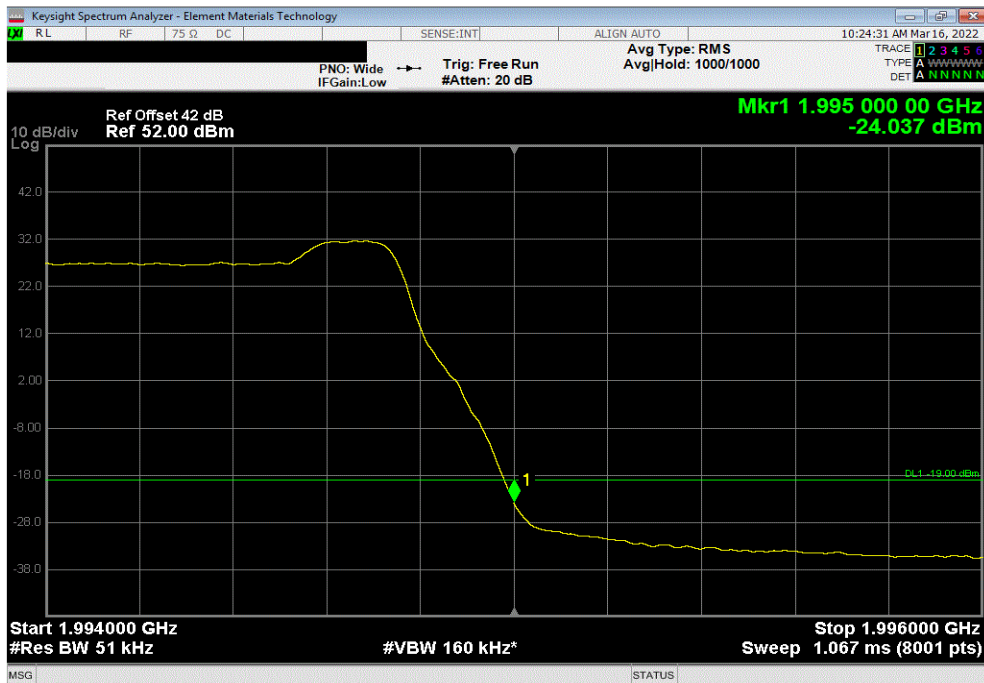


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.49	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.04	-19	Pass			

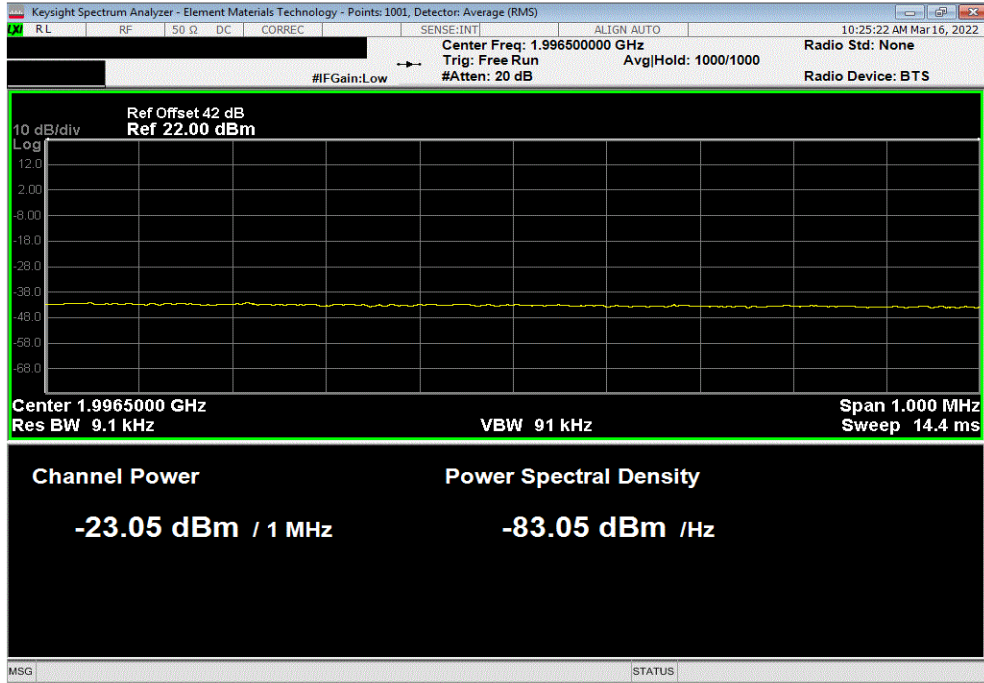


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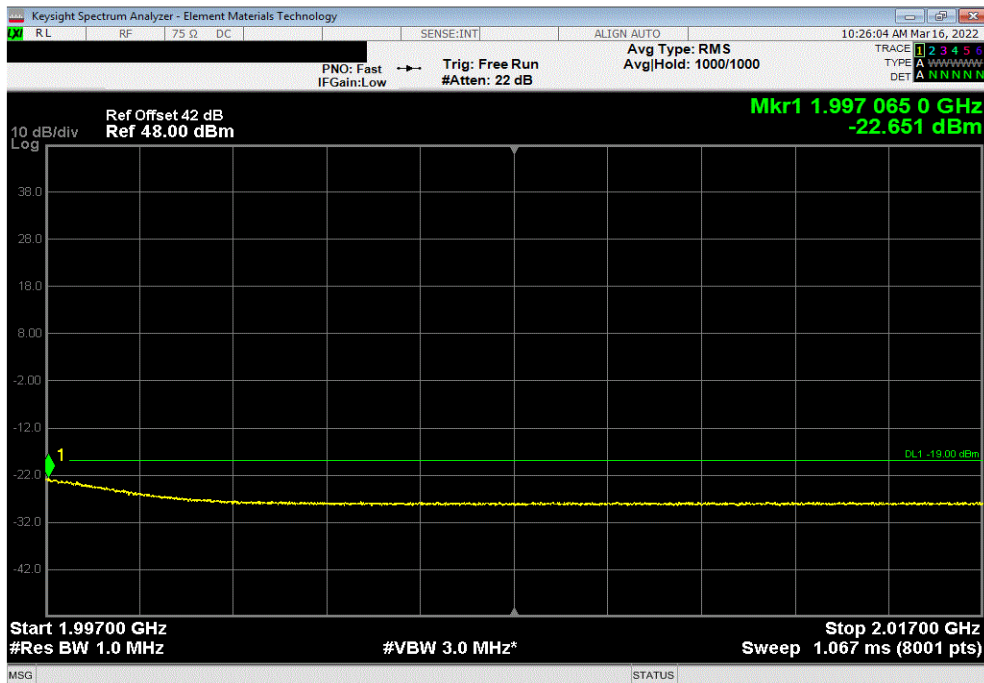


TuTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-23.05	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-22.65	-19	Pass			

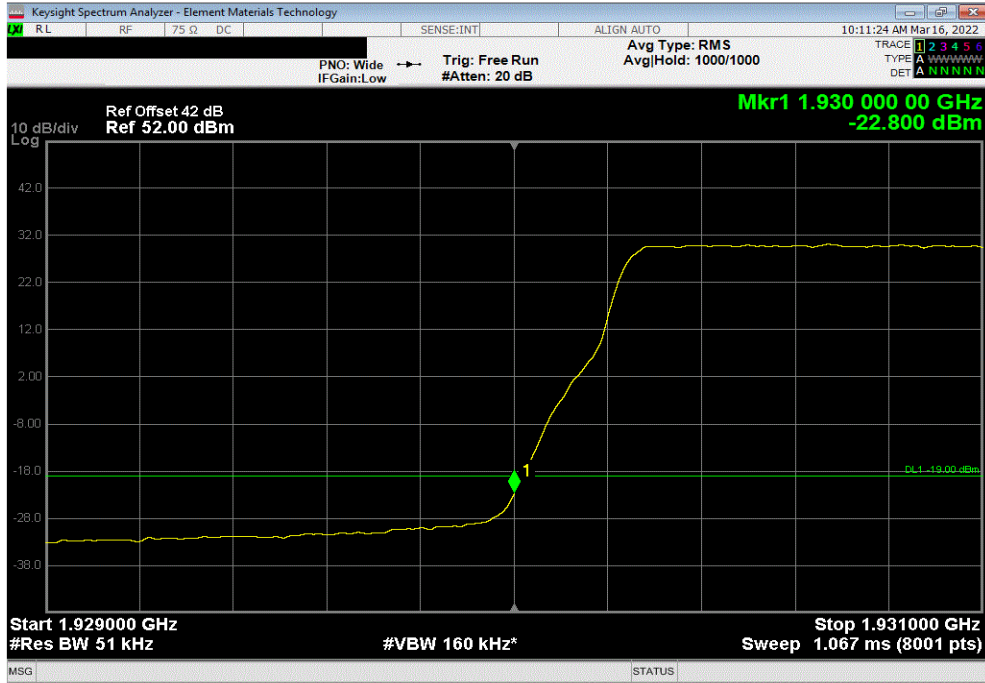


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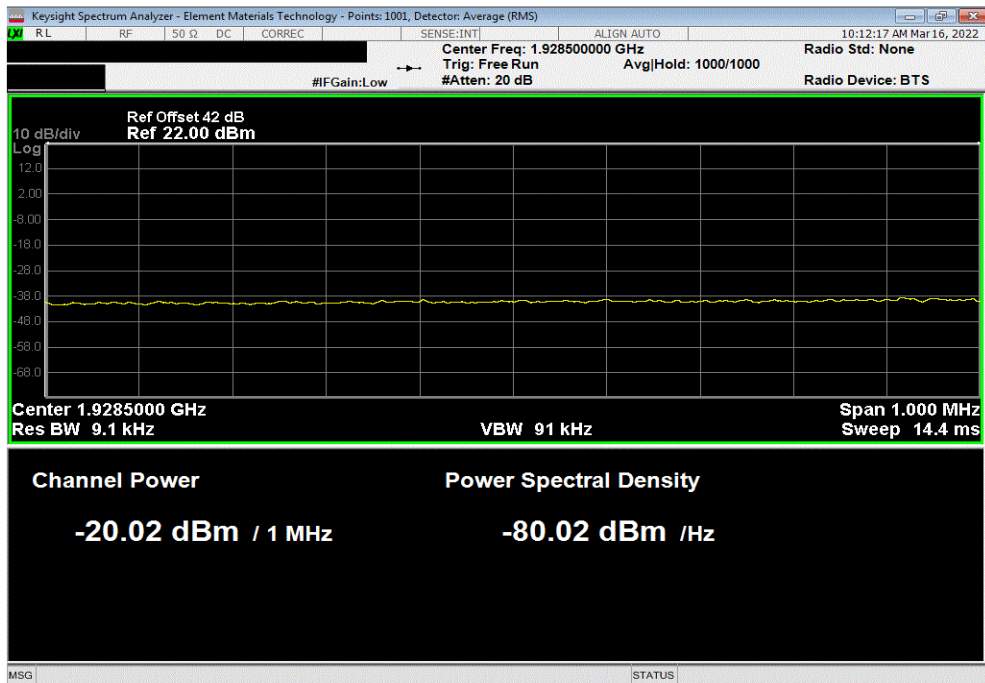


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-22.80	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.02	-19	Pass			

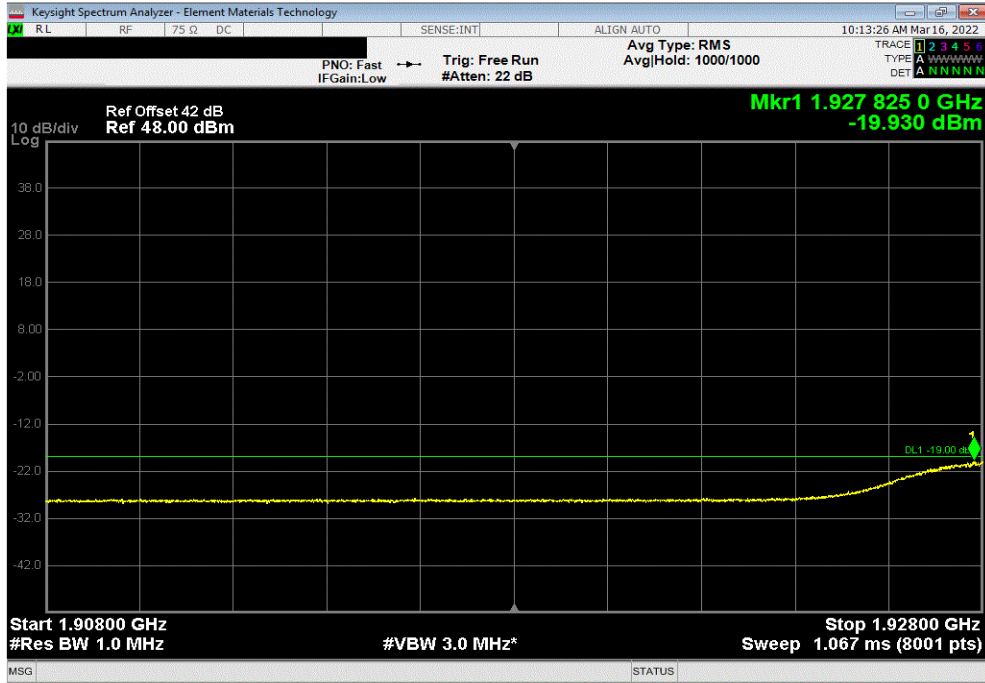


# BAND EDGE COMPLIANCE

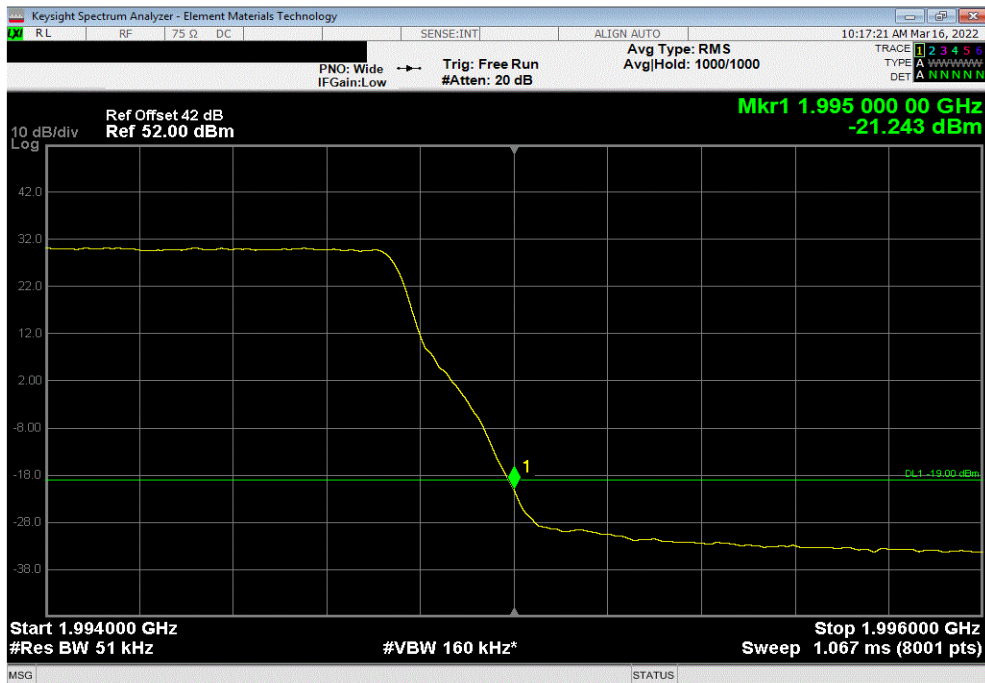


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.93	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-21.24	-19	Pass			



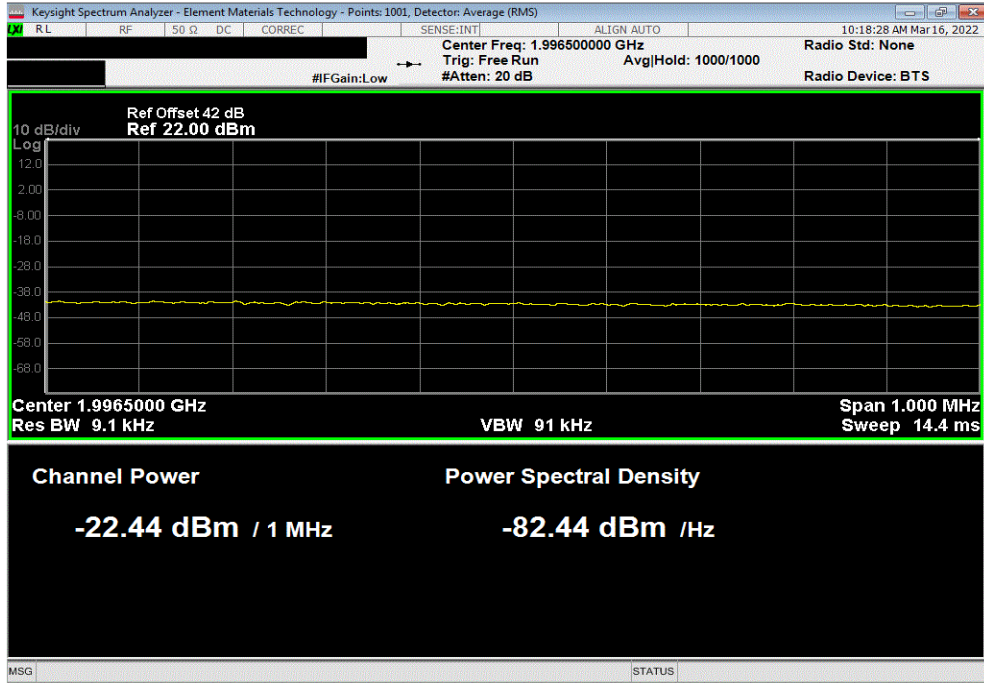


# BAND EDGE COMPLIANCE

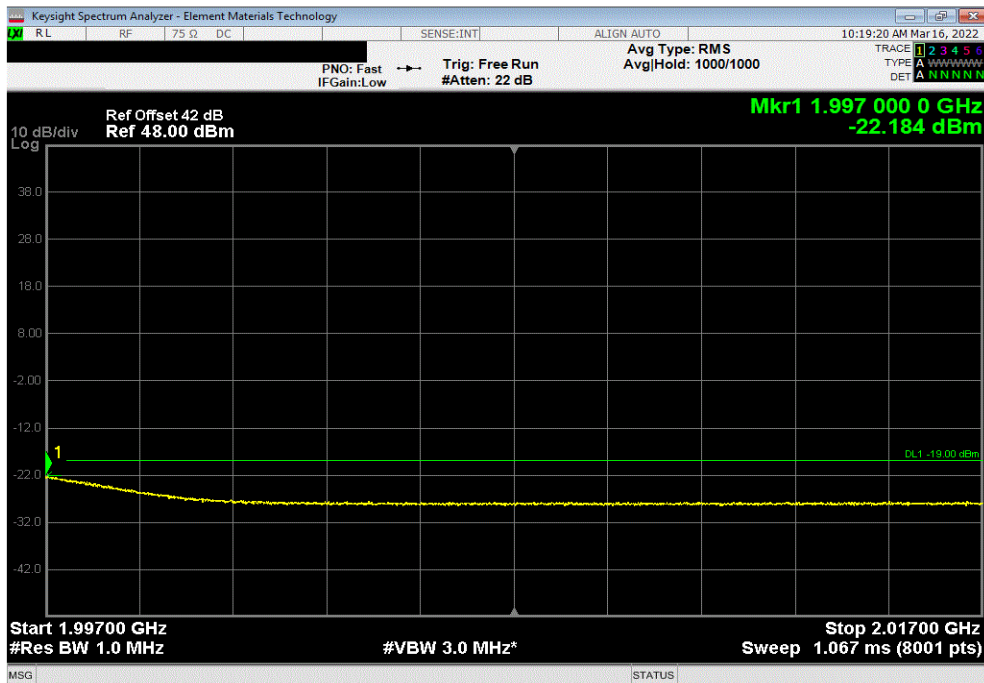


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-22.44	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-22.18	-19	Pass			

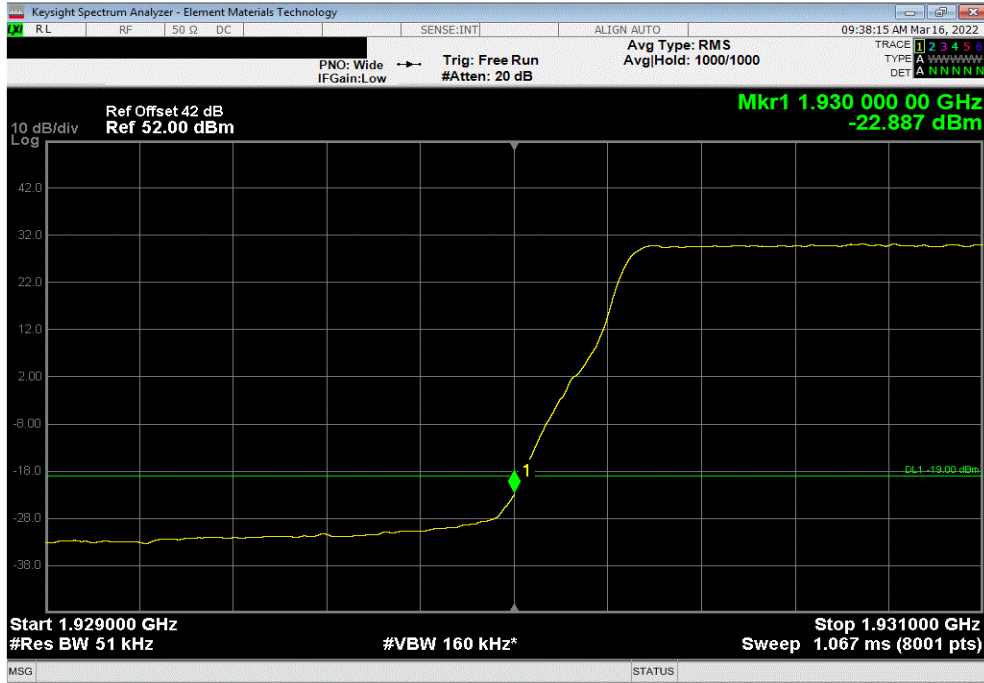


# BAND EDGE COMPLIANCE

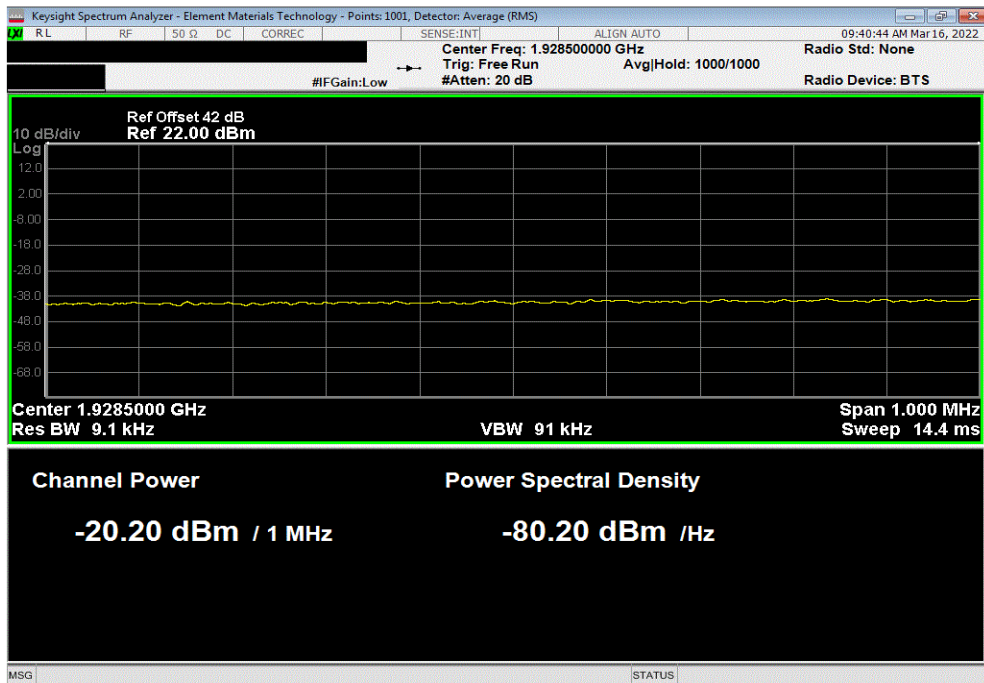


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-22.89	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.20	-19	Pass			

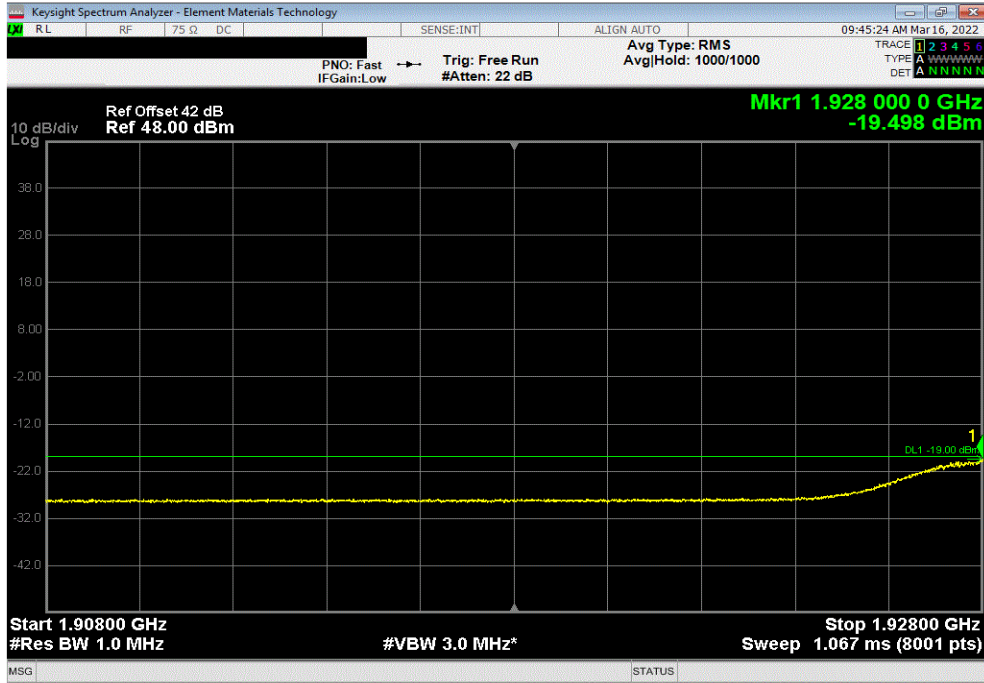


# BAND EDGE COMPLIANCE

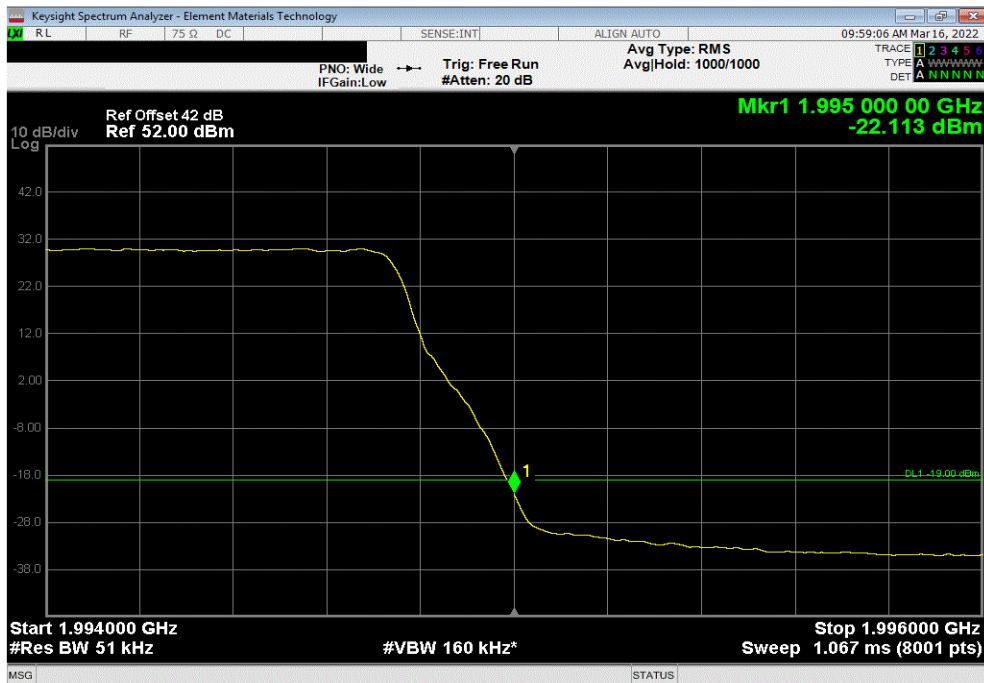


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1932.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.50	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-22.11	-19	Pass			

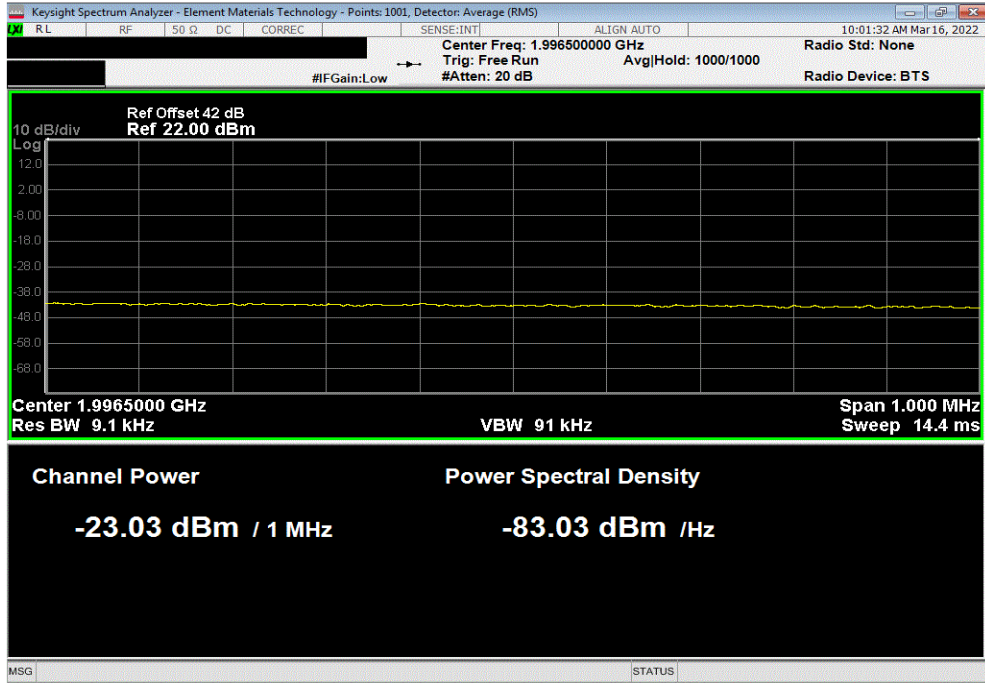


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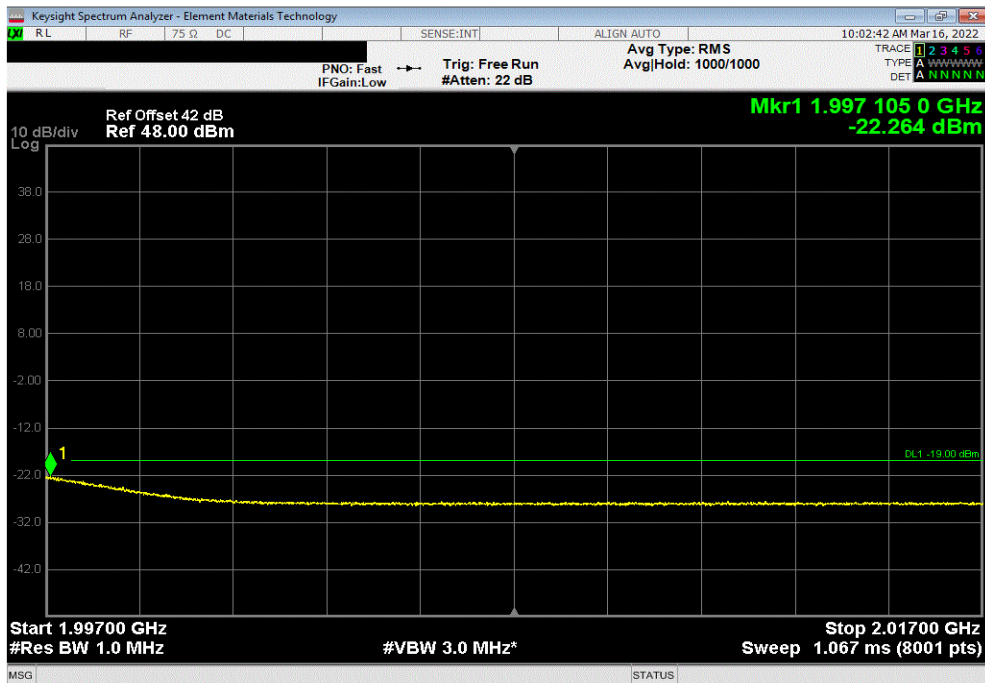


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-23.03	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 1992.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-22.26	-19	Pass			

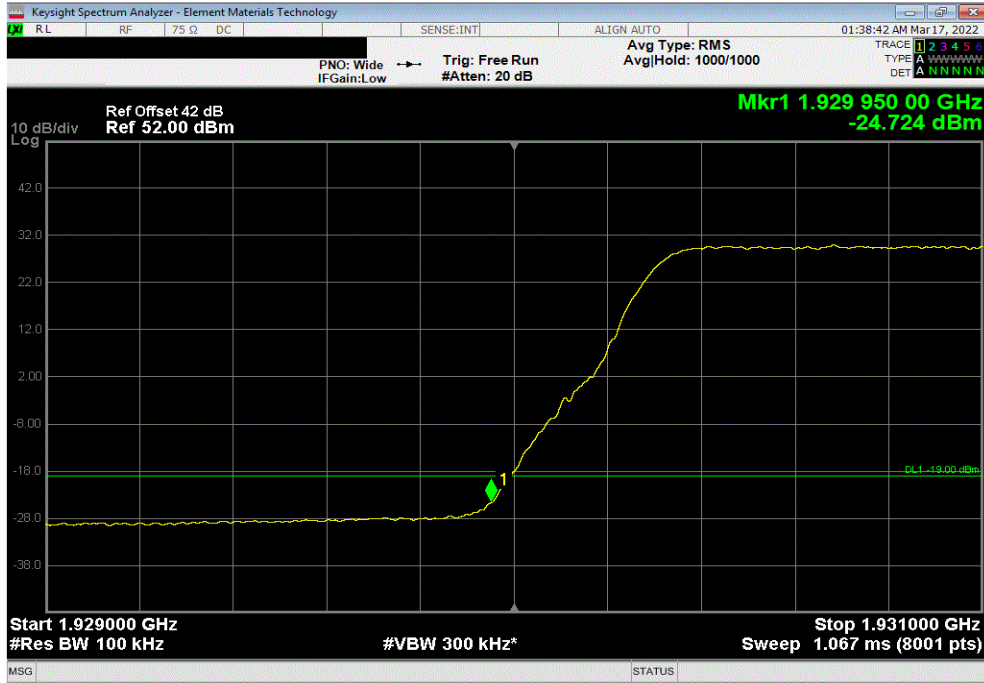


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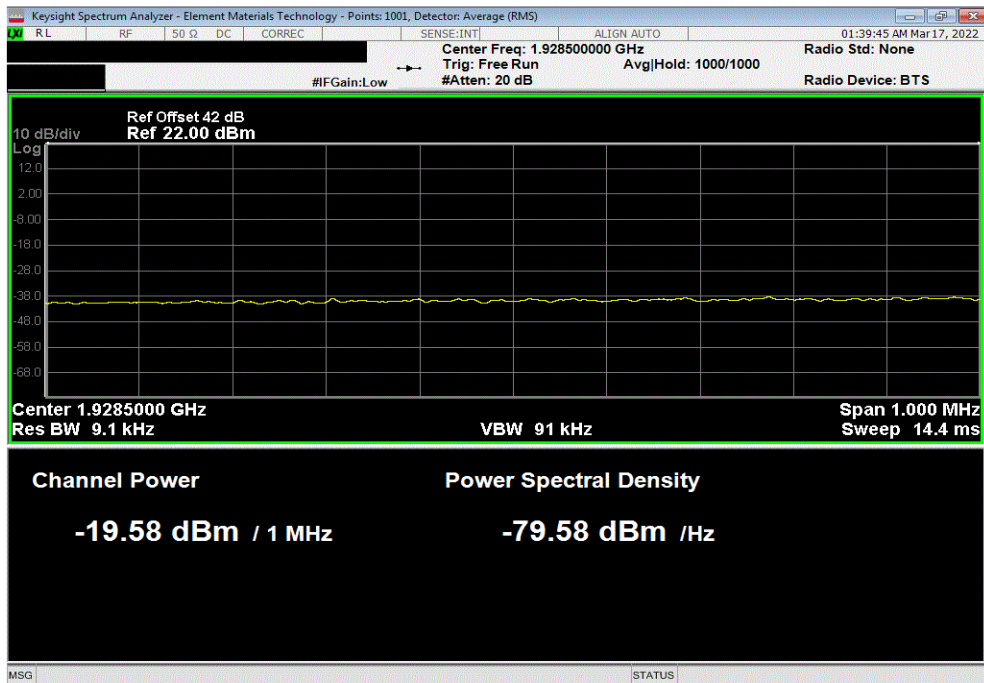


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.72	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.58	-19	Pass			



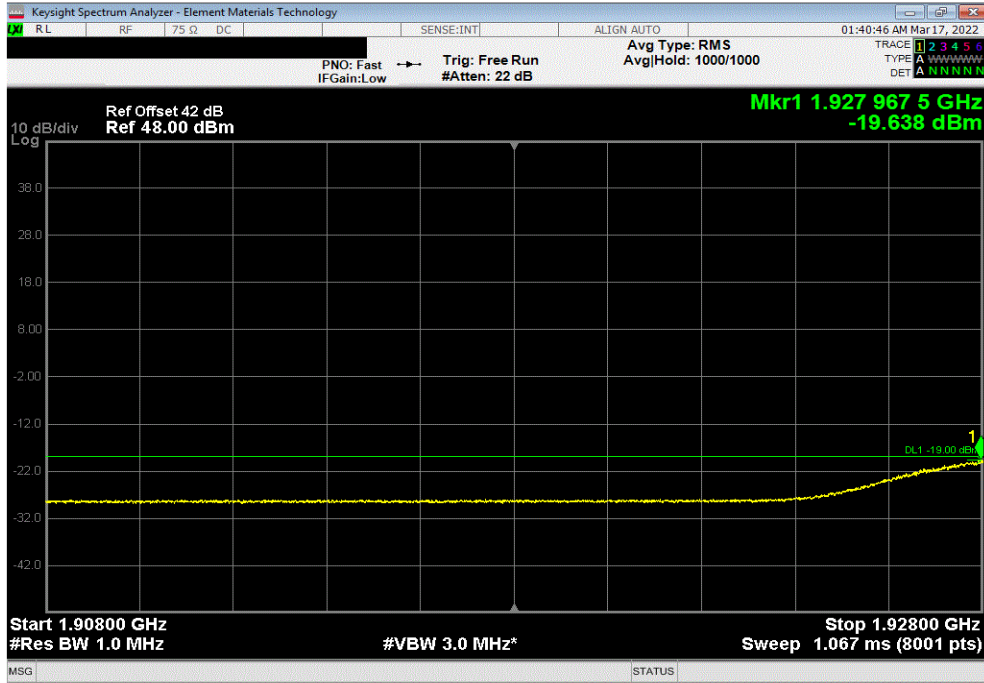


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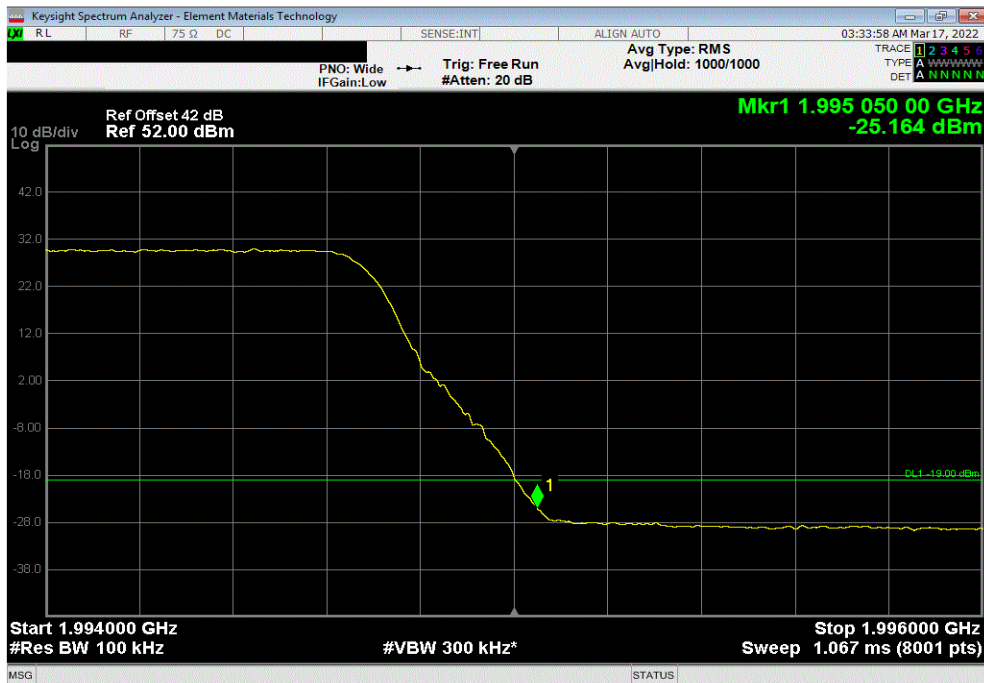


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.64	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-25.16	-19	Pass			

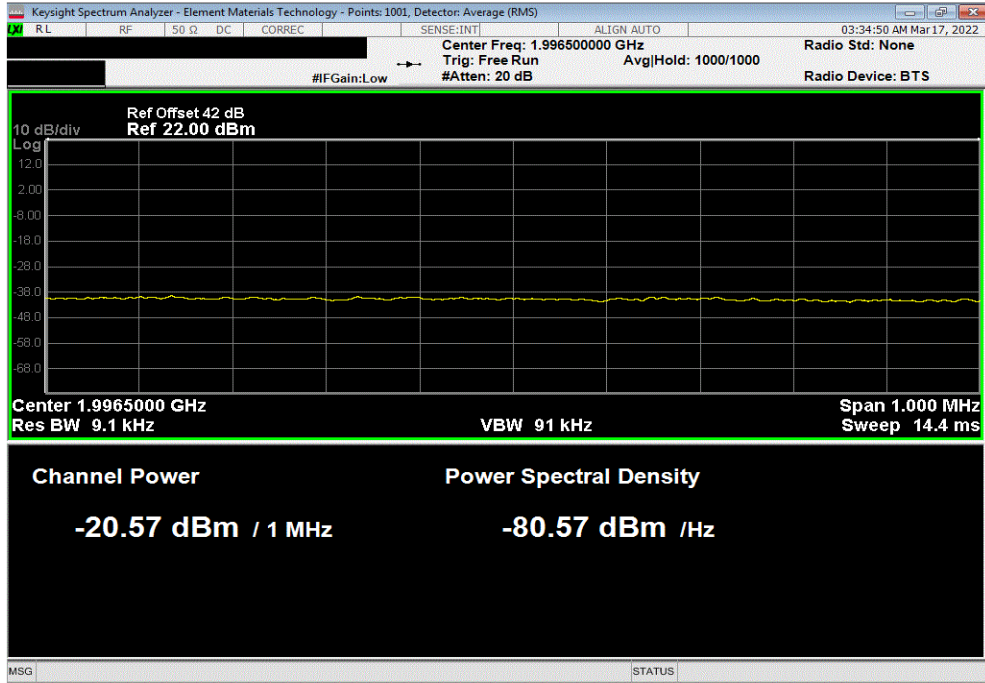


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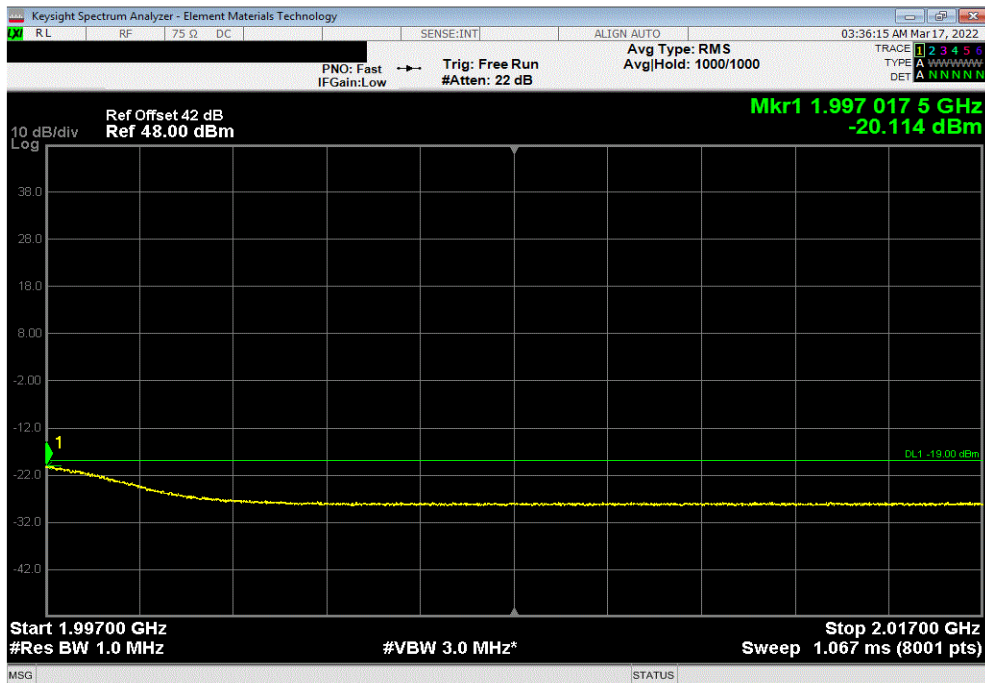


TuTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.57	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-20.11	-19	Pass			

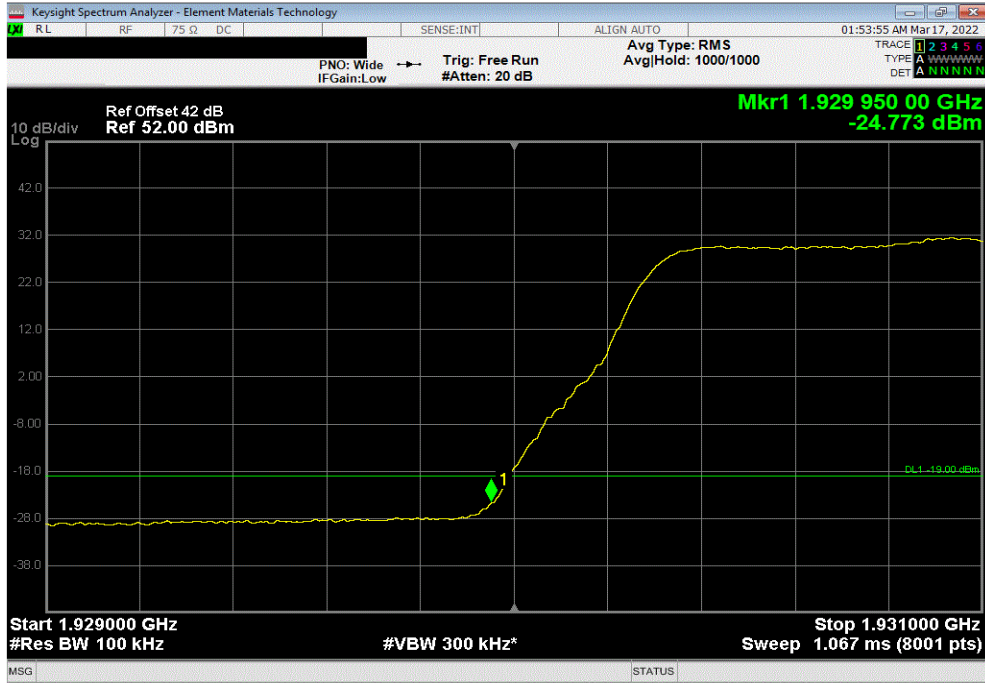


# BAND EDGE COMPLIANCE

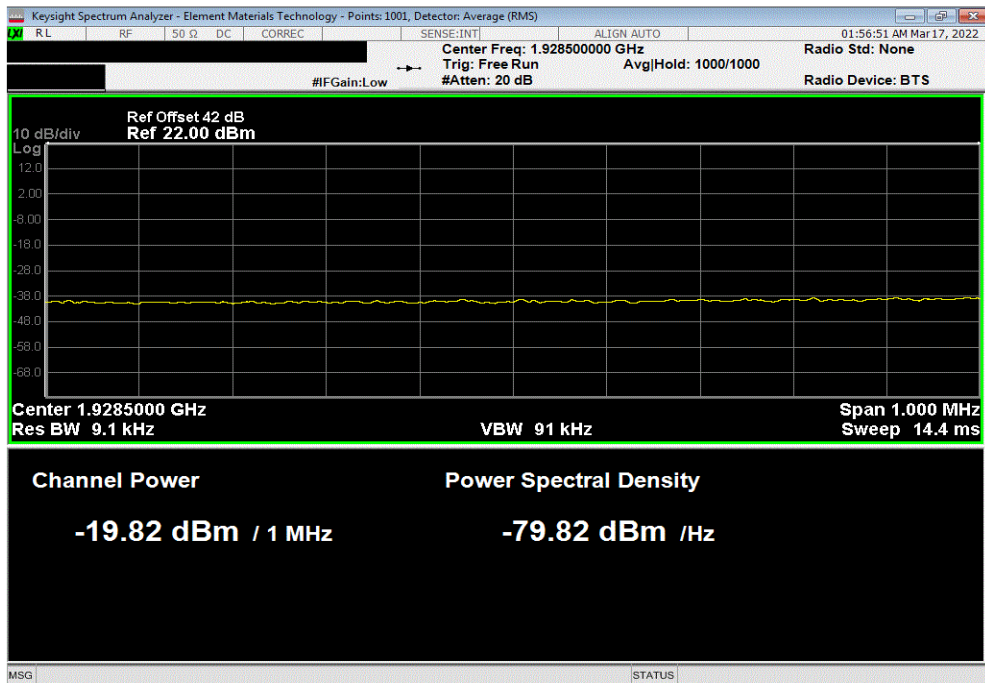


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.77	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.82	-19	Pass			

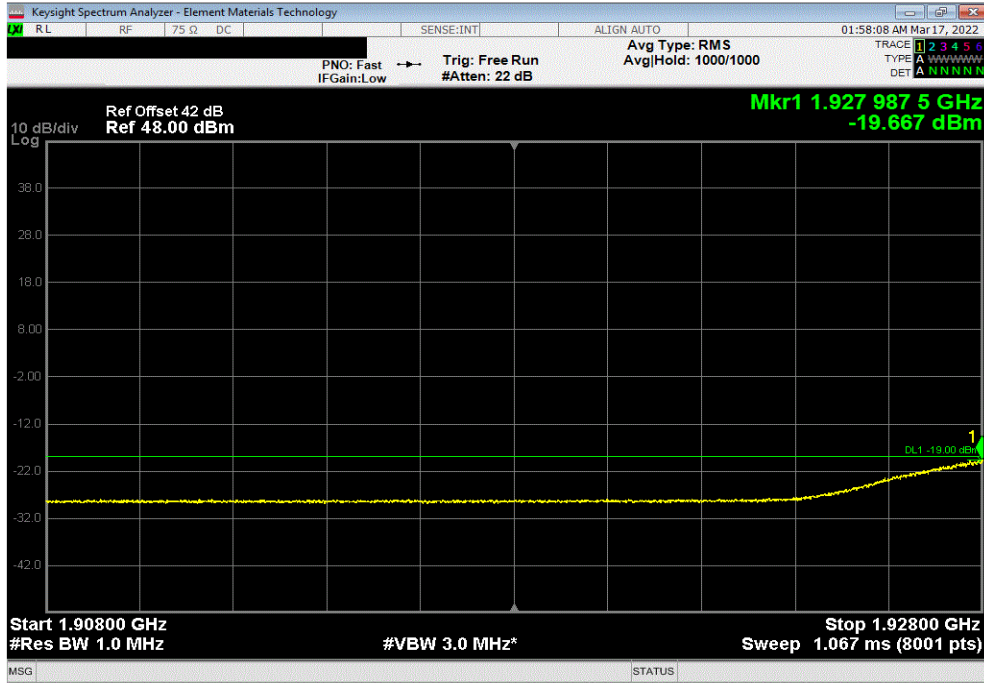


# BAND EDGE COMPLIANCE

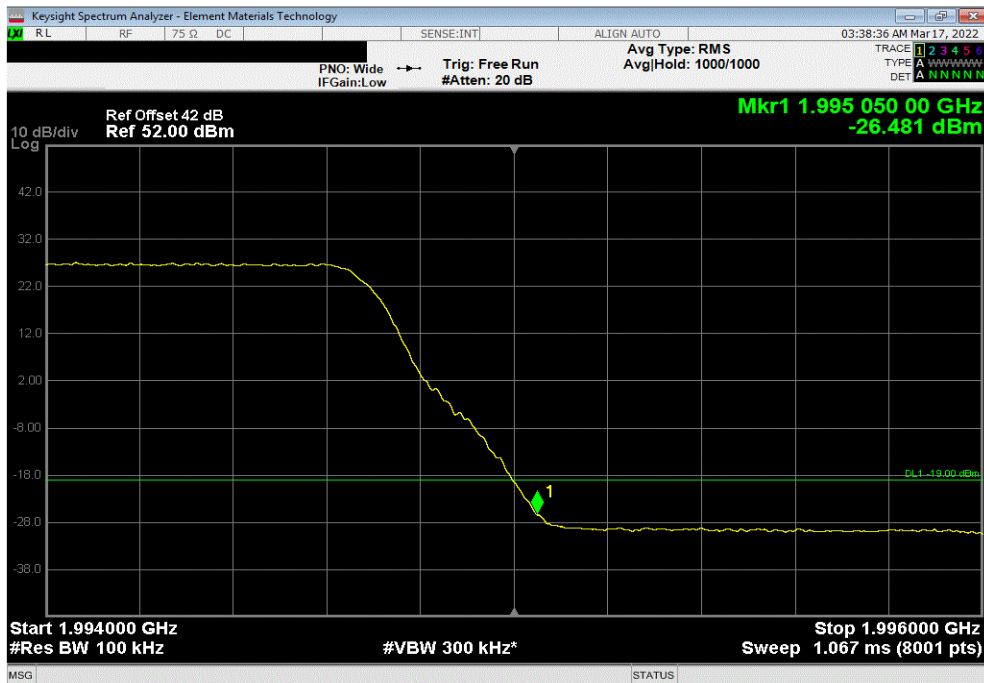


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.67	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-26.48	-19	Pass			

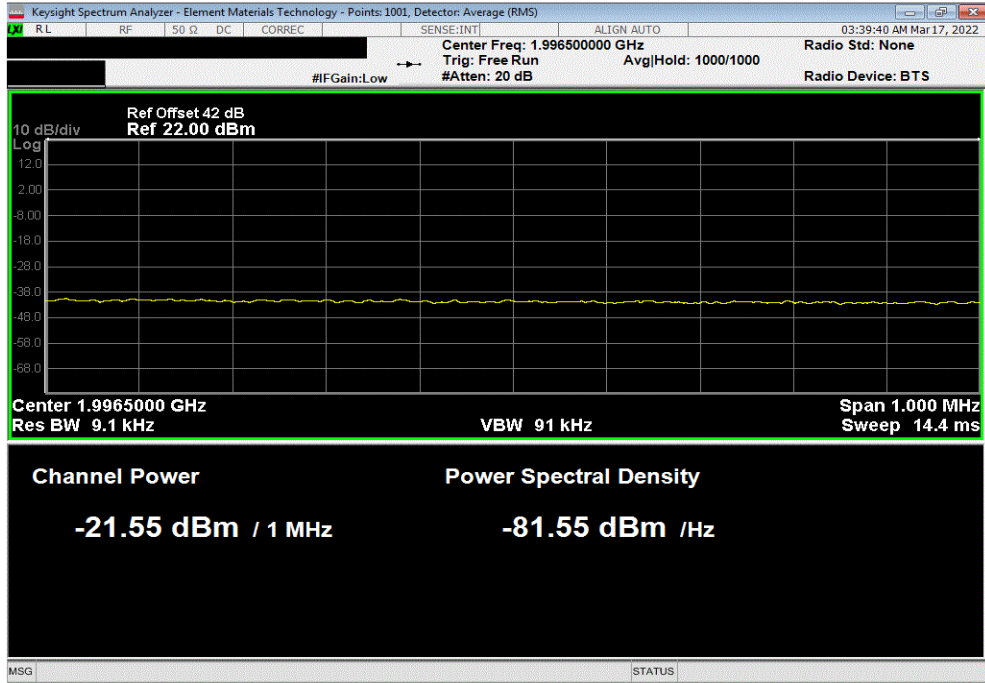


# BAND EDGE COMPLIANCE

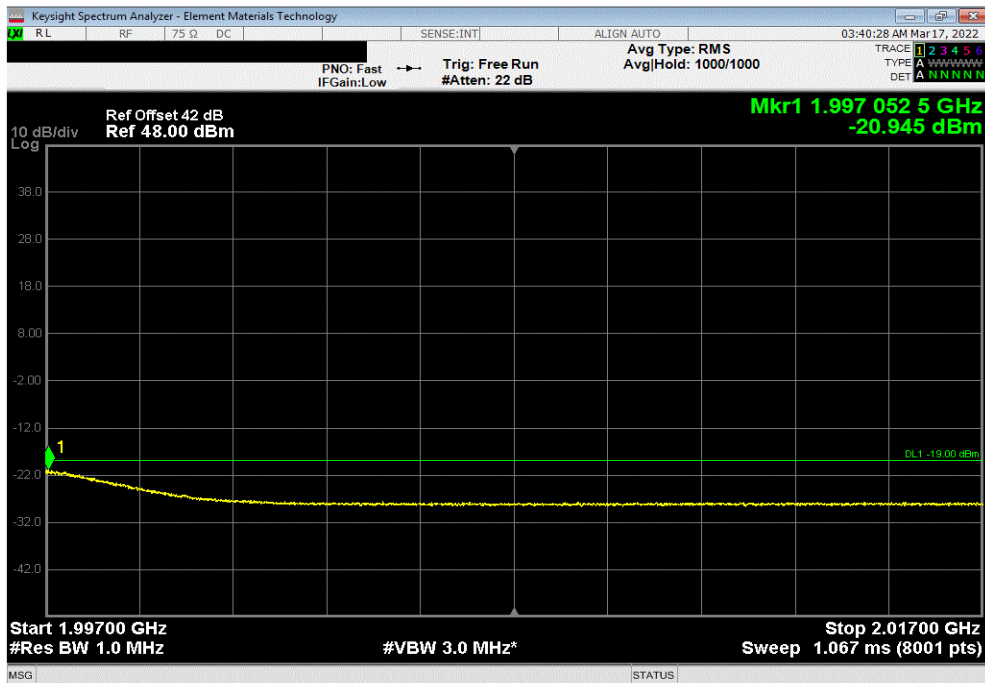


TuTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-21.55	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-20.95	-19	Pass			



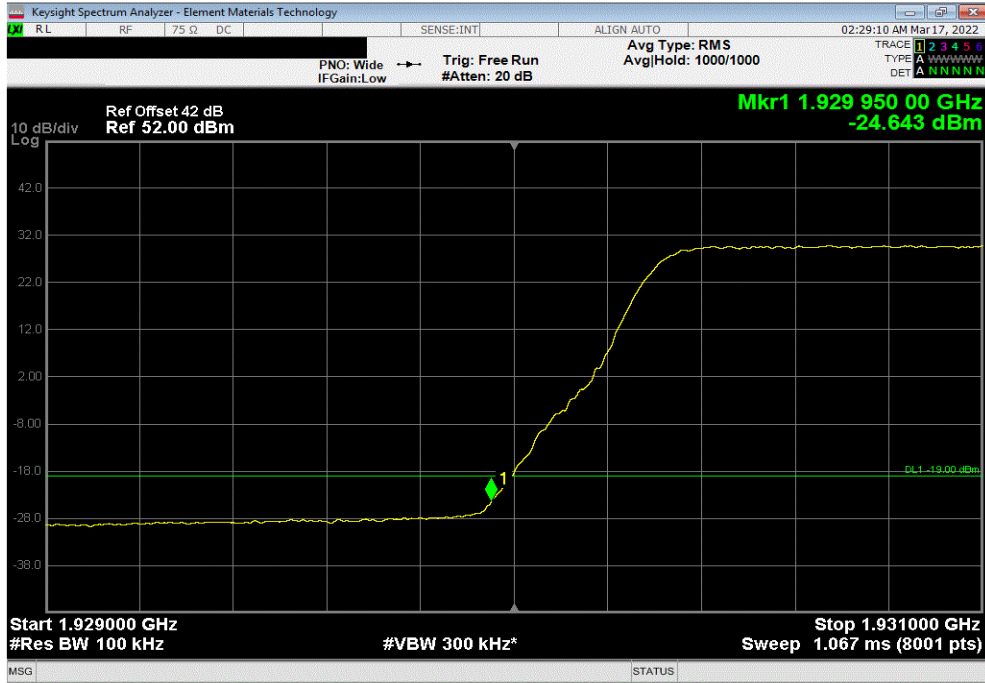


# BAND EDGE COMPLIANCE

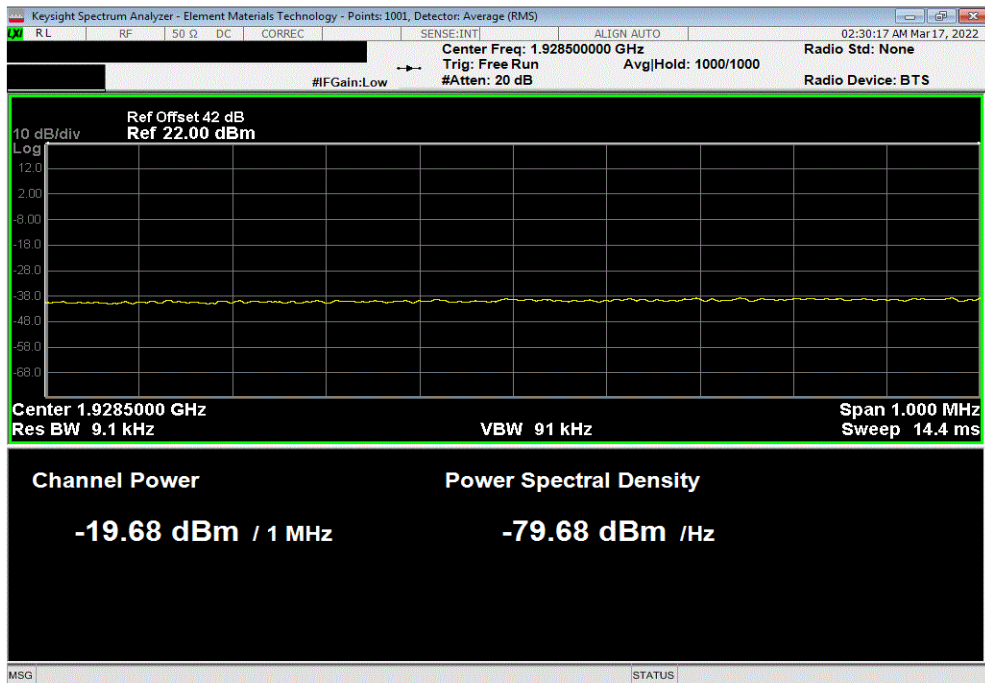


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.64	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.68	-19	Pass			



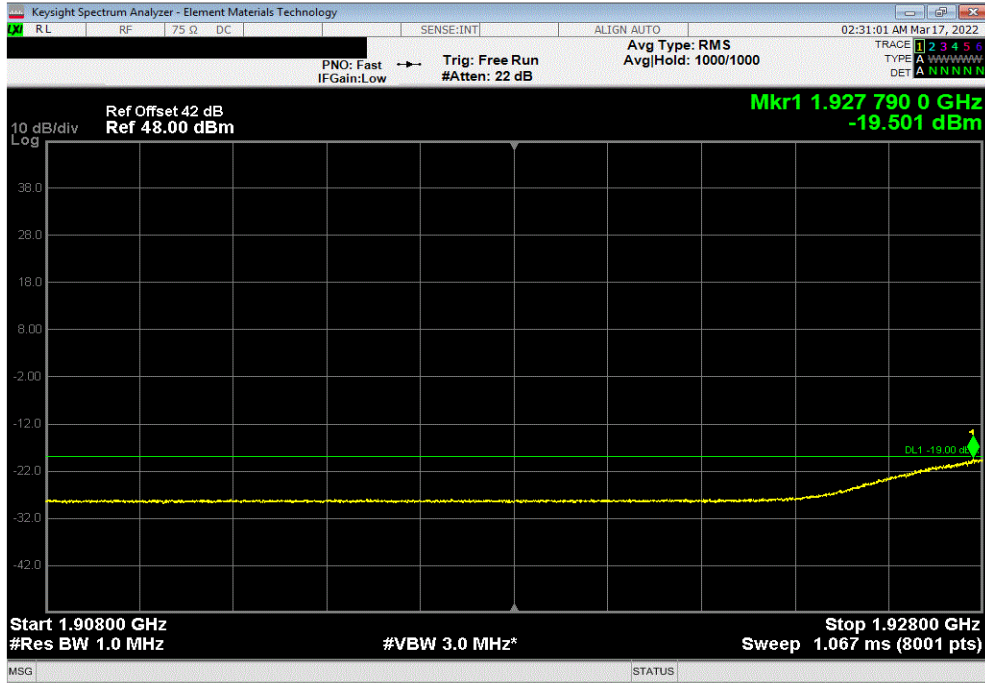


# BAND EDGE COMPLIANCE

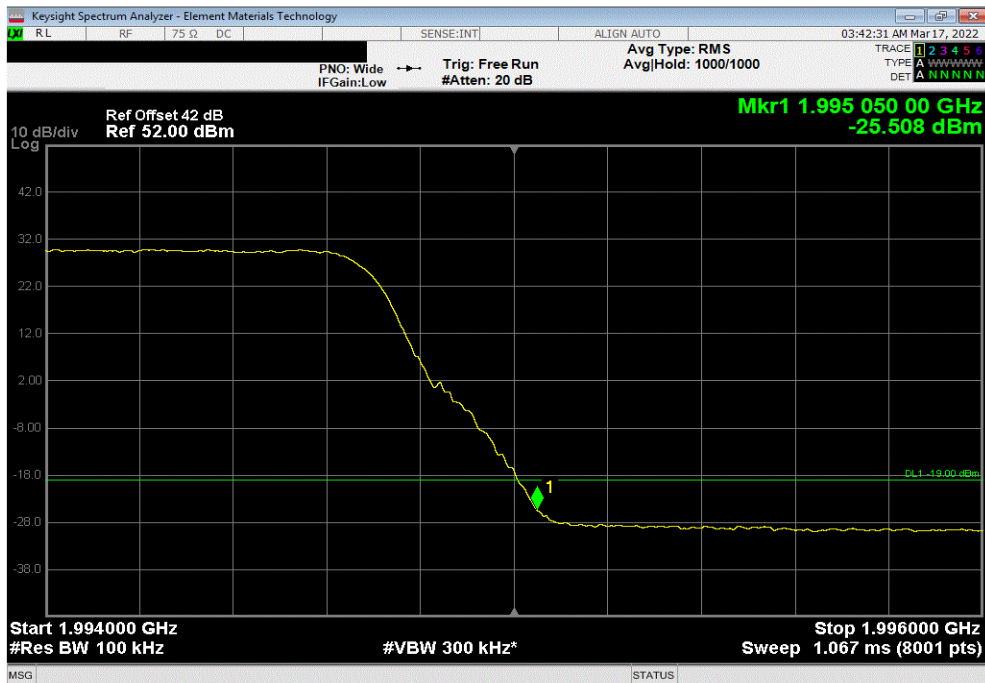


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.50	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-25.51	-19	Pass			

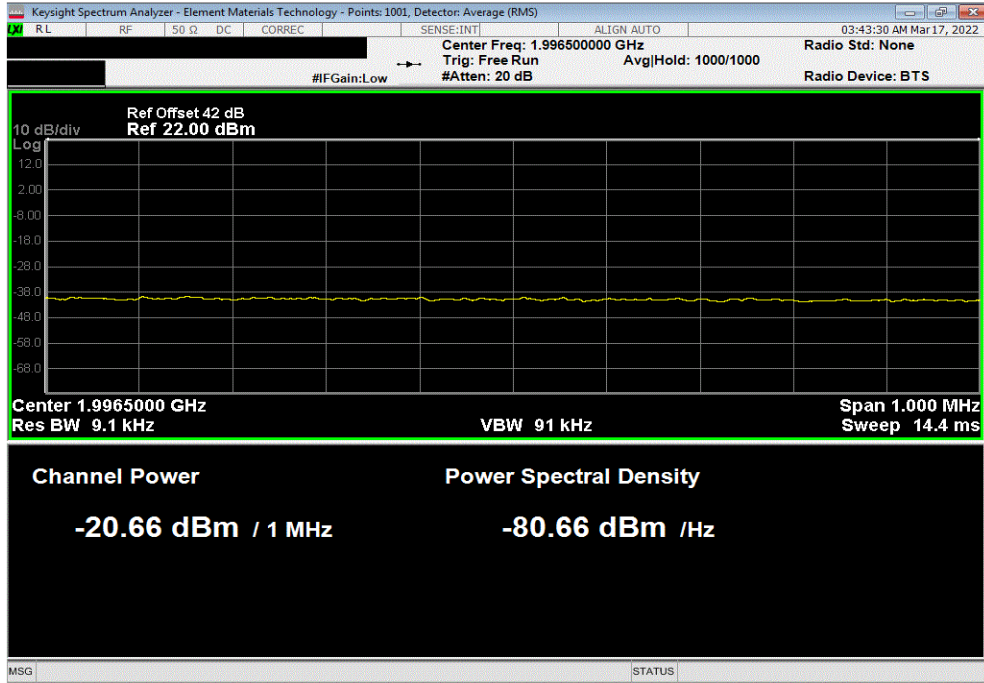


# BAND EDGE COMPLIANCE

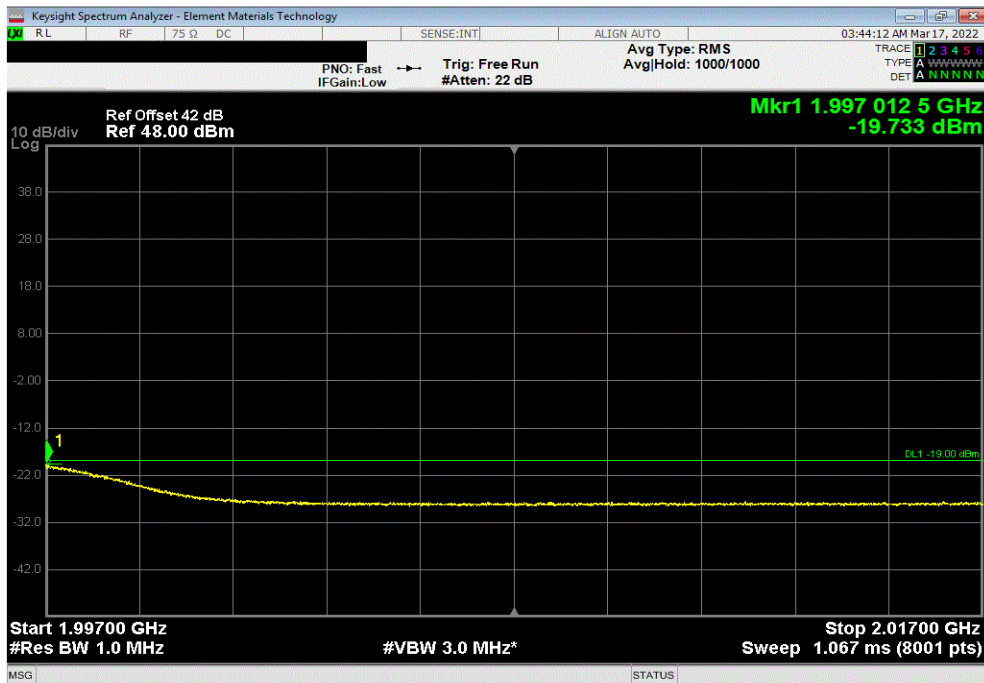


TuTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.66	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.73	-19	Pass			

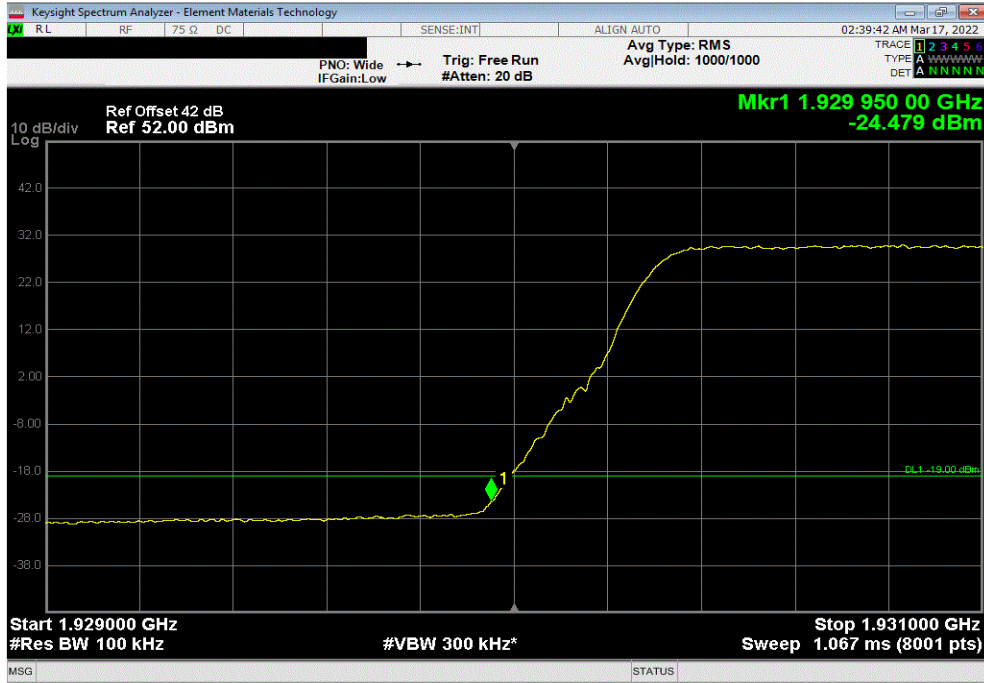


# BAND EDGE COMPLIANCE

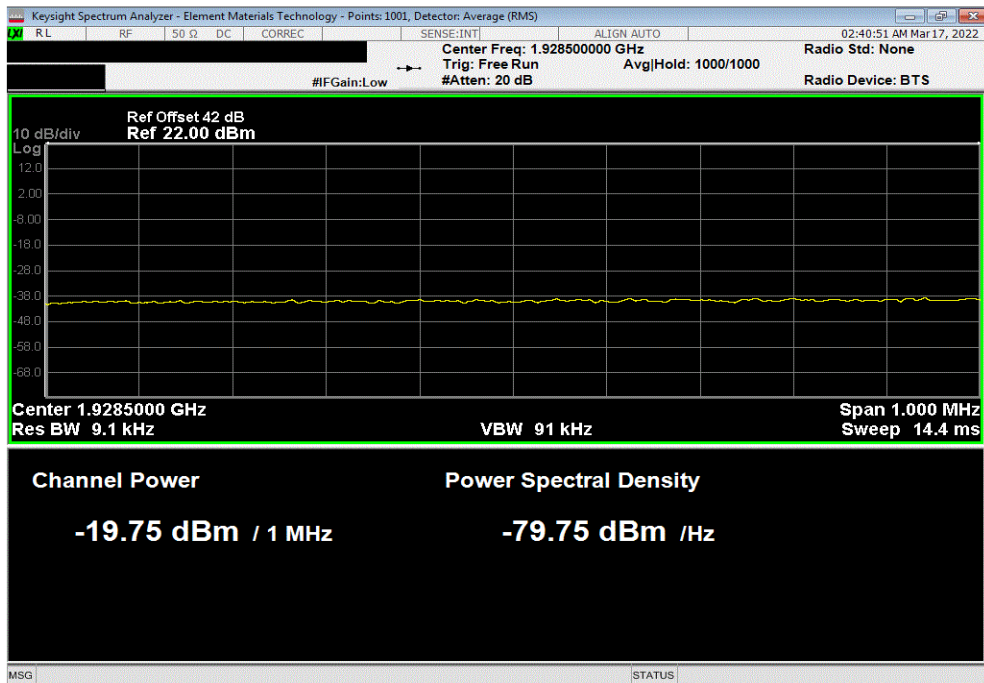


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.48	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.75	-19	Pass			

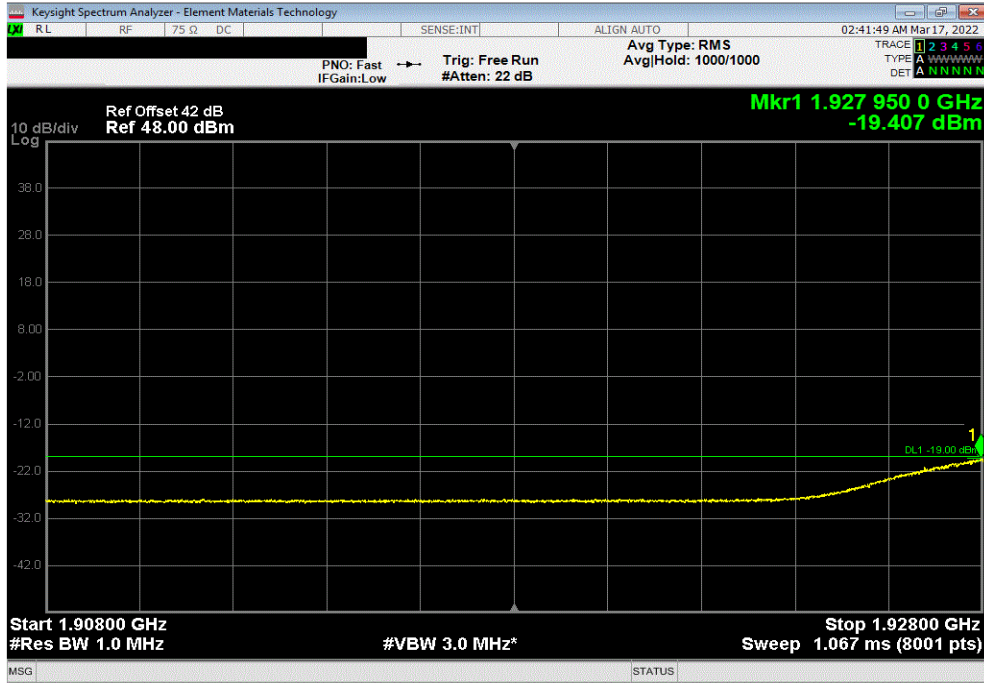


# BAND EDGE COMPLIANCE

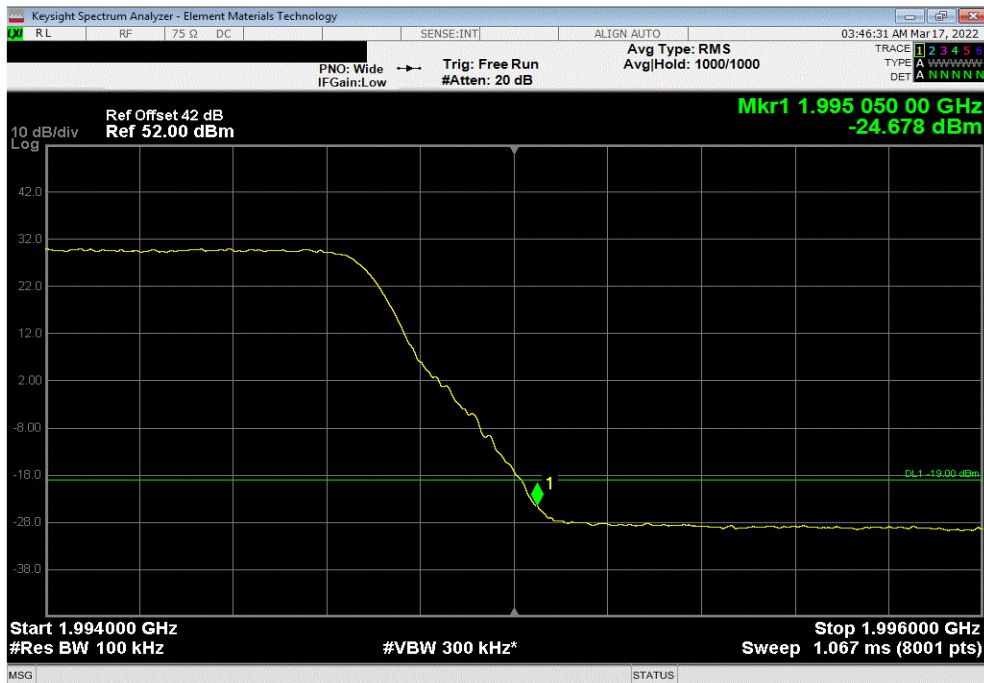


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1935 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.41	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.68	-19	Pass			

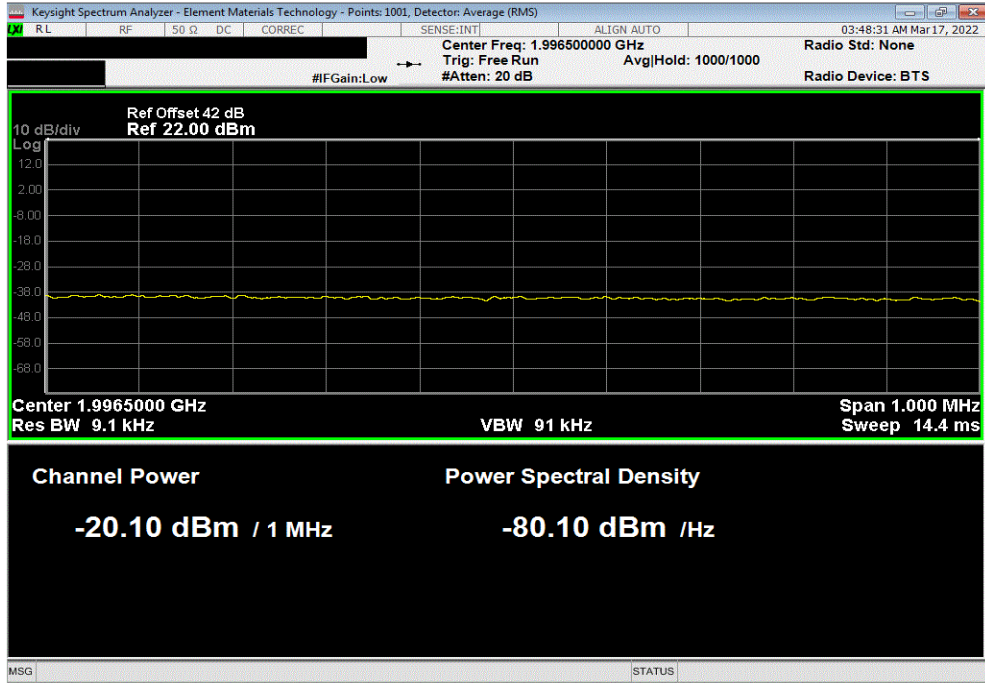


# BAND EDGE COMPLIANCE

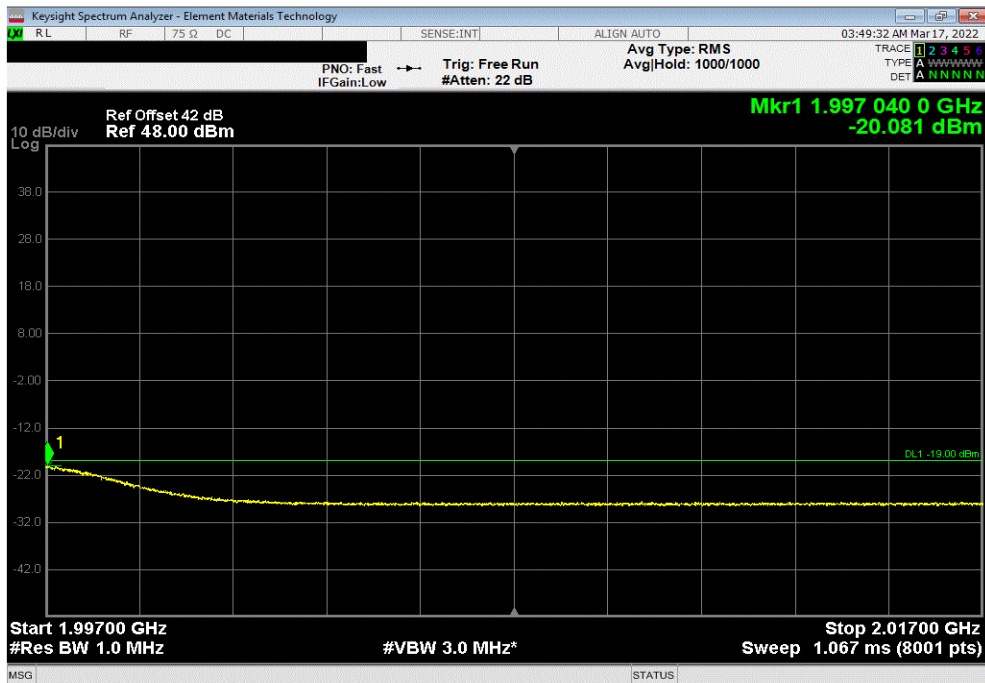


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.10	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 1990 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-20.08	-19	Pass			



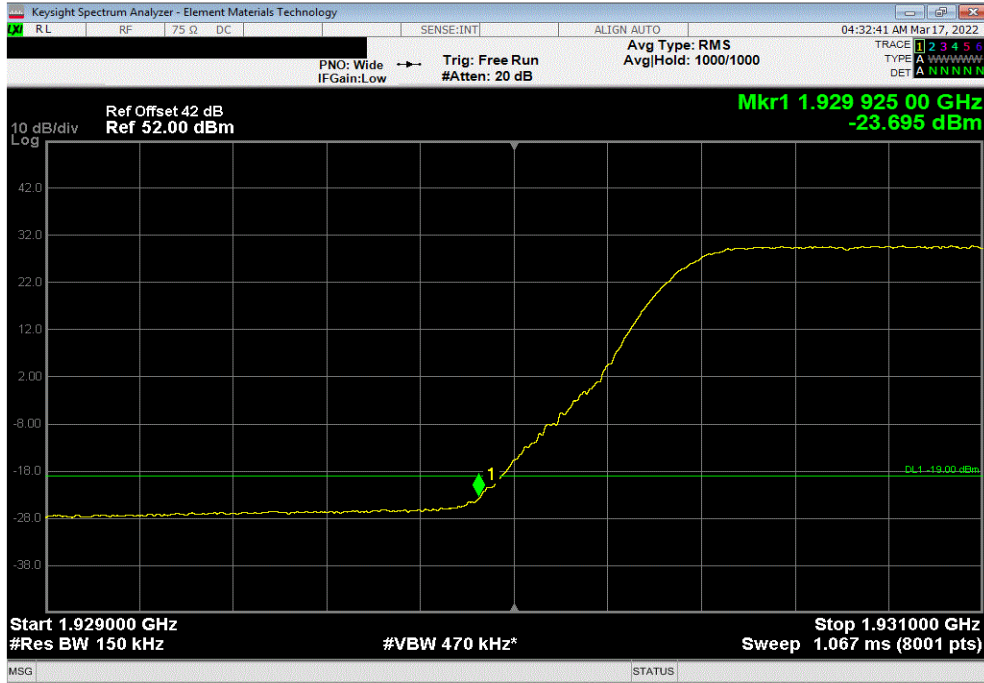


# BAND EDGE COMPLIANCE

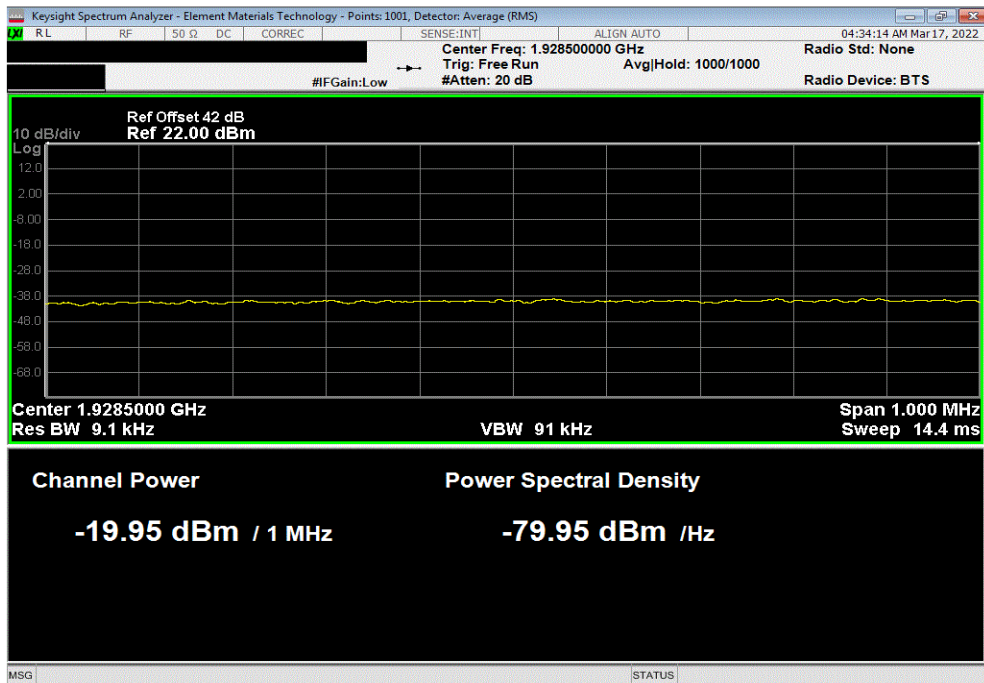


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, QPSK Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-23.70	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, QPSK Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.95	-19	Pass			

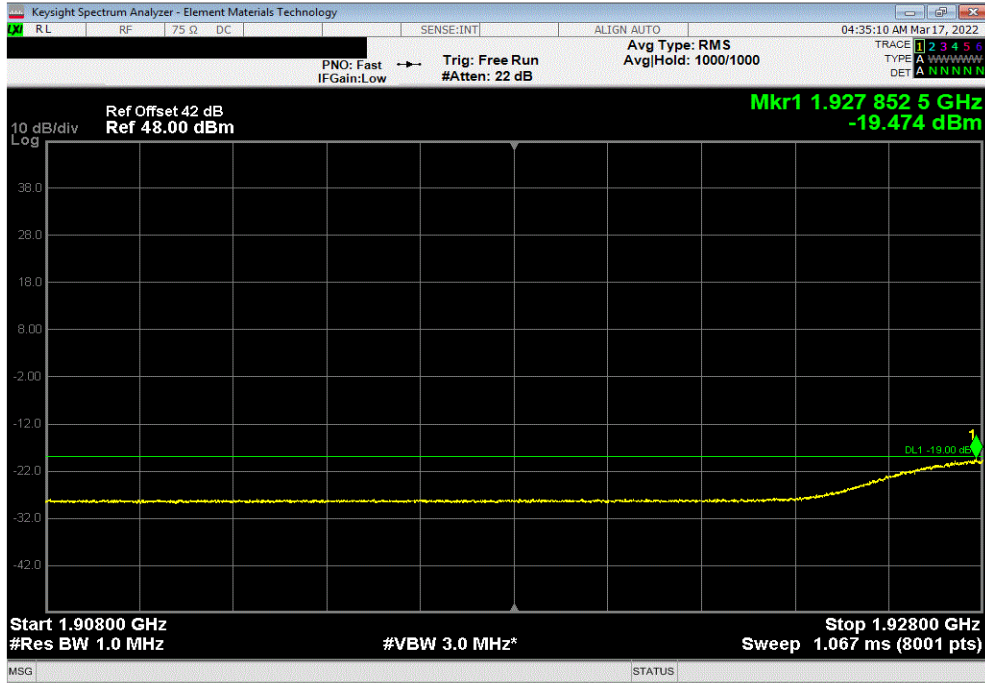


# BAND EDGE COMPLIANCE

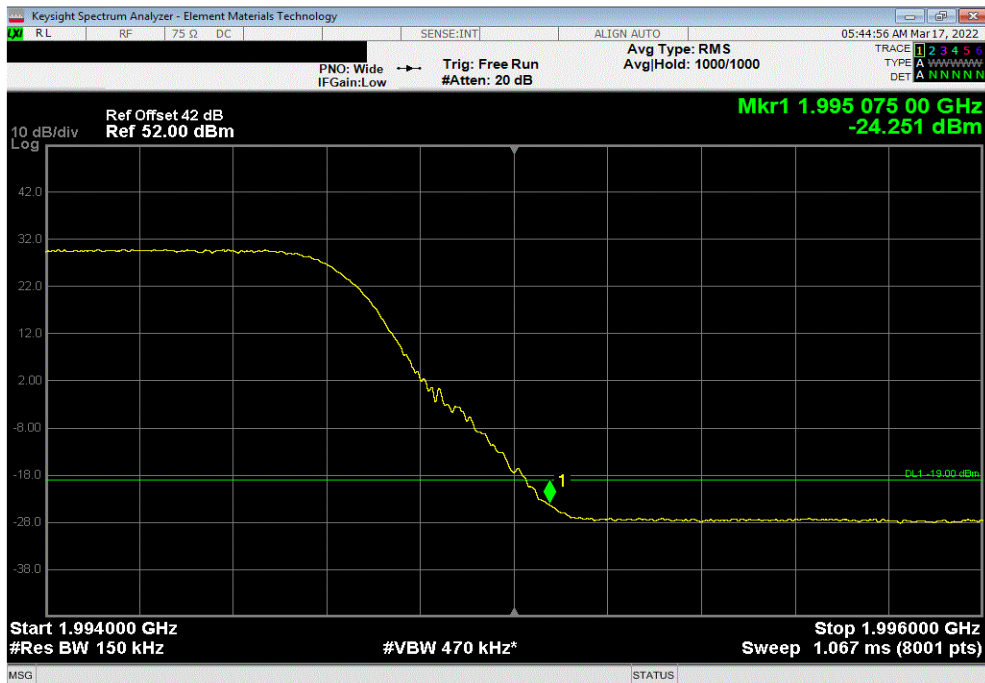


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, QPSK Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.47	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, QPSK Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.25	-19	Pass			

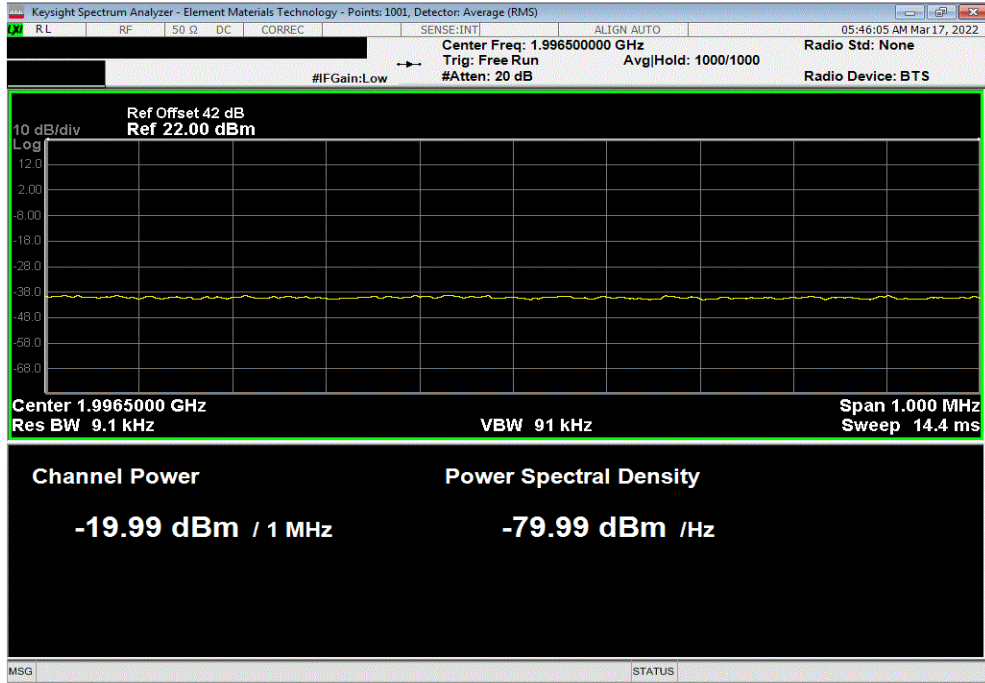


# BAND EDGE COMPLIANCE

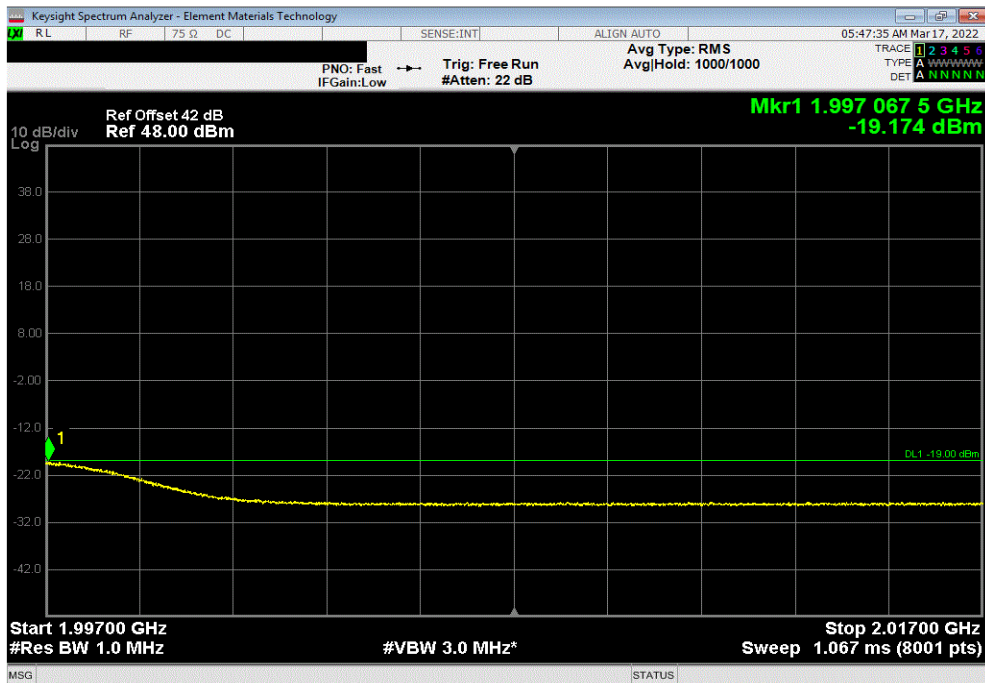


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, QPSK Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.99	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, QPSK Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.17	-19	Pass			

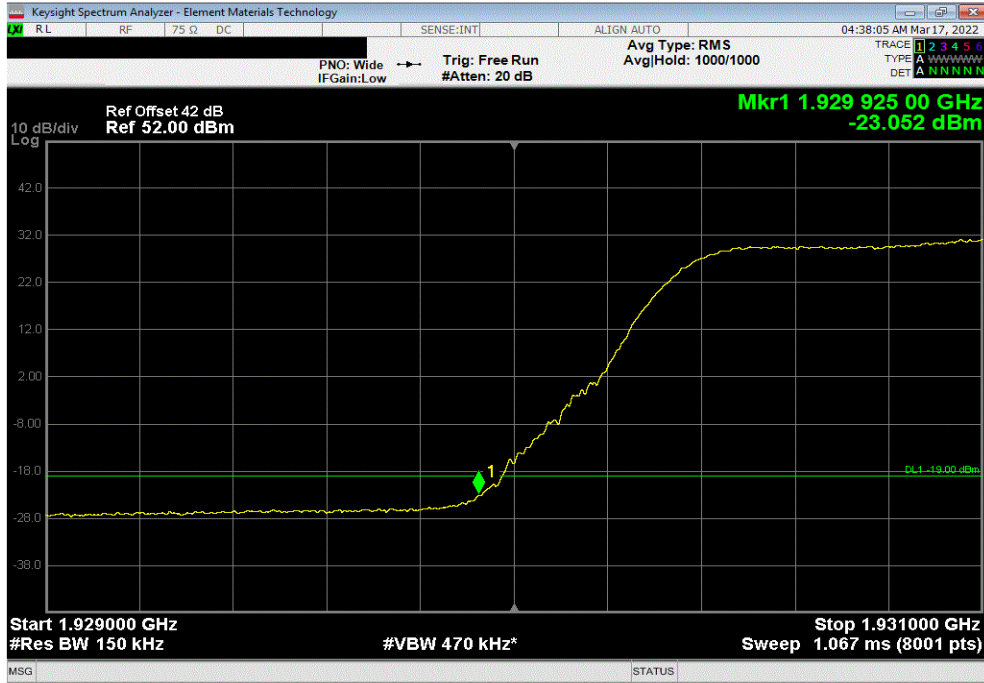


# BAND EDGE COMPLIANCE

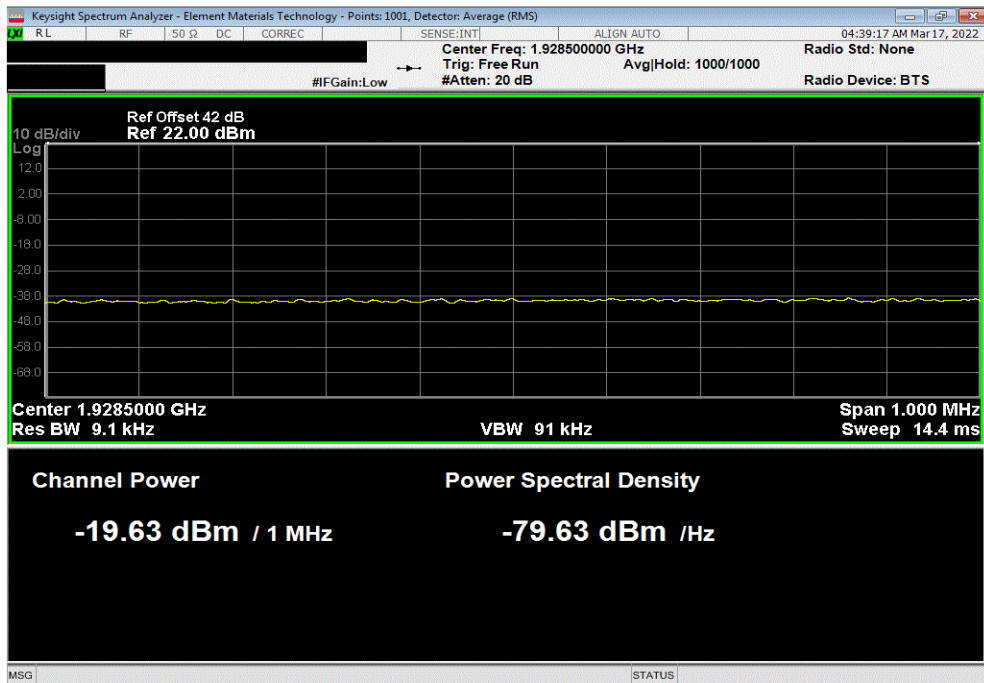


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-23.05	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.63	-19	Pass			

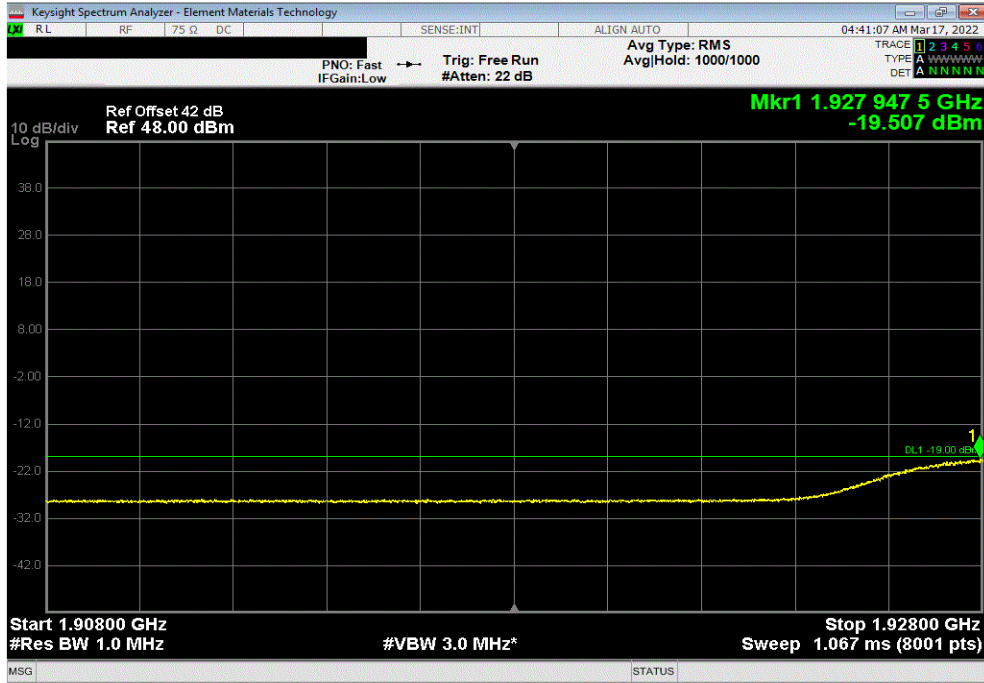


# BAND EDGE COMPLIANCE

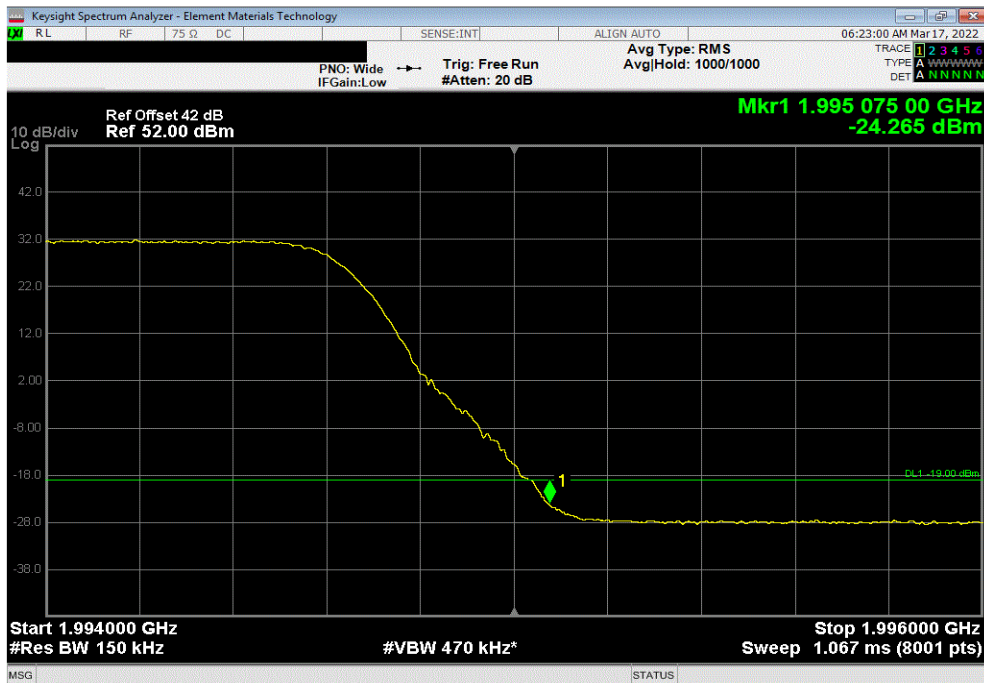


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 16-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.51	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 16-QAM Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.27	-19	Pass			



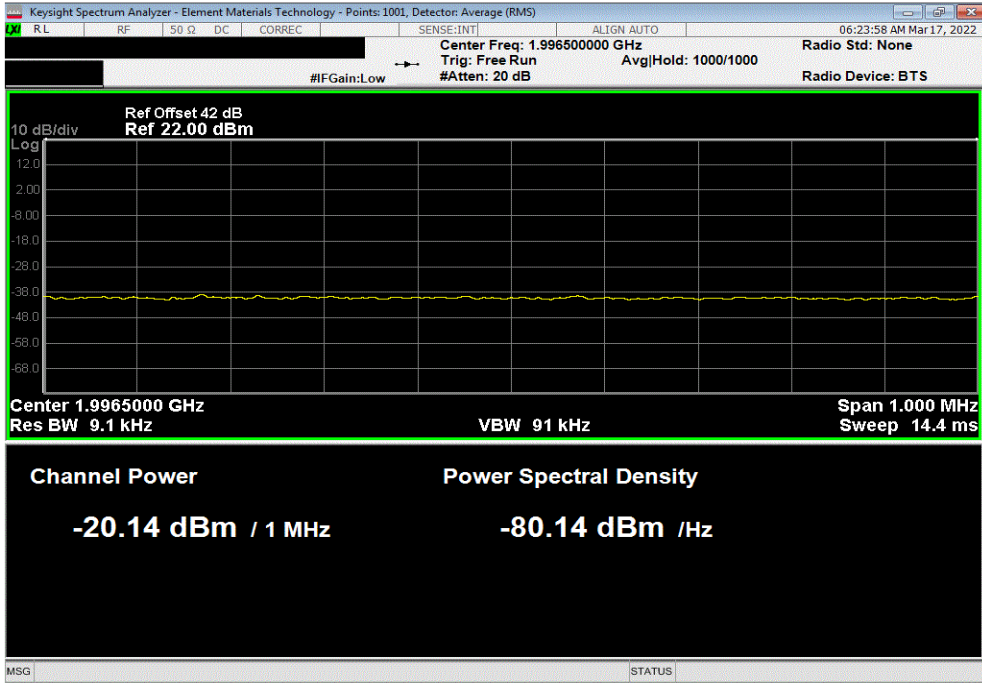


# BAND EDGE COMPLIANCE

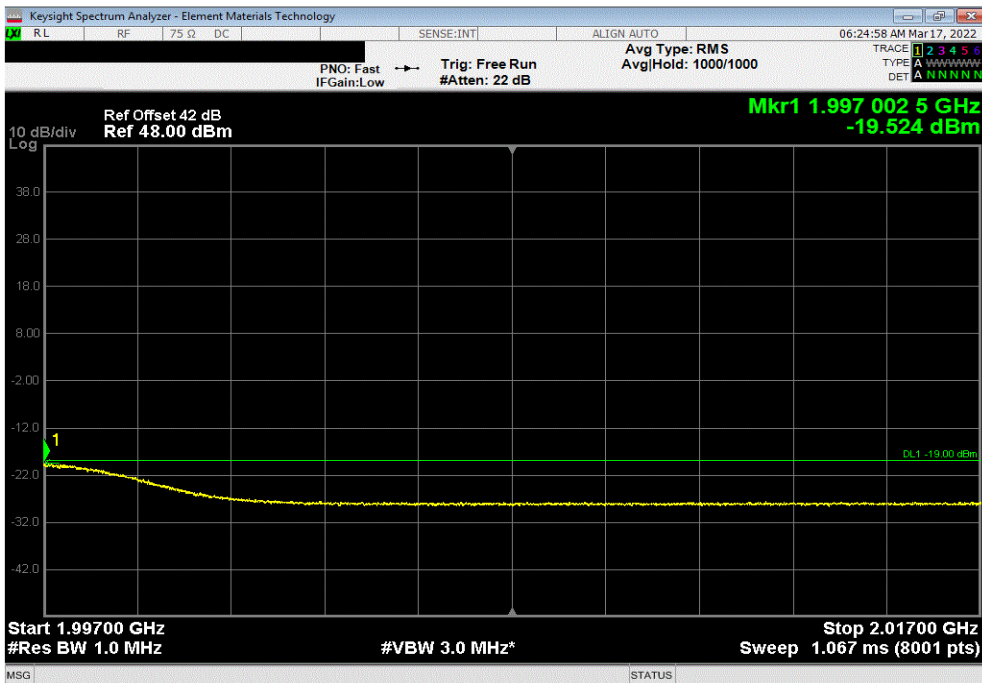


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 16-QAM Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.14	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 16-QAM Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.52	-19	Pass			

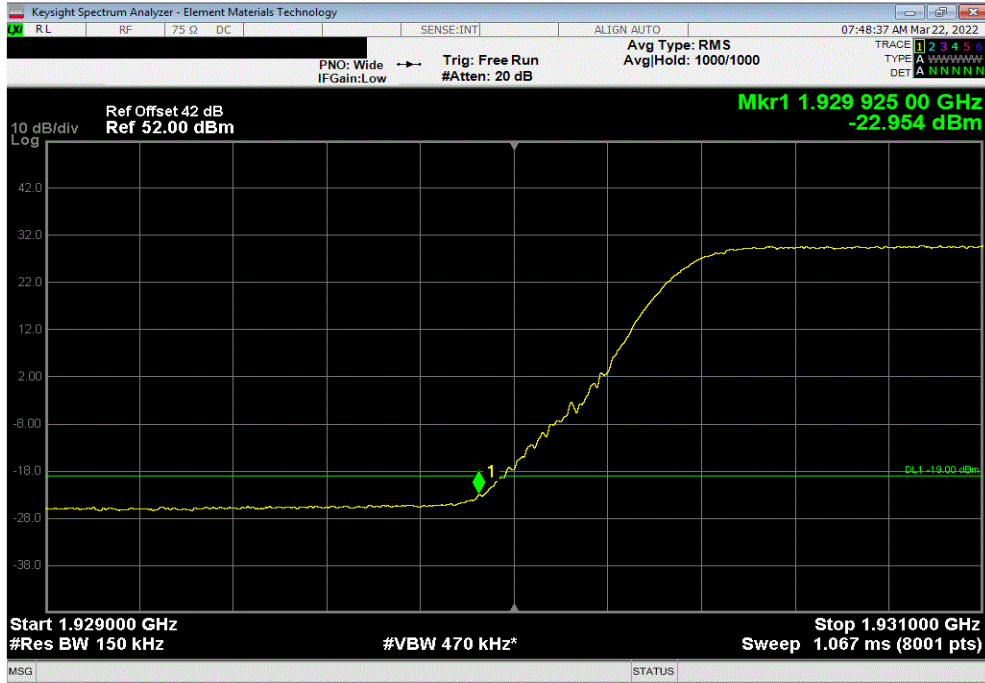


# BAND EDGE COMPLIANCE

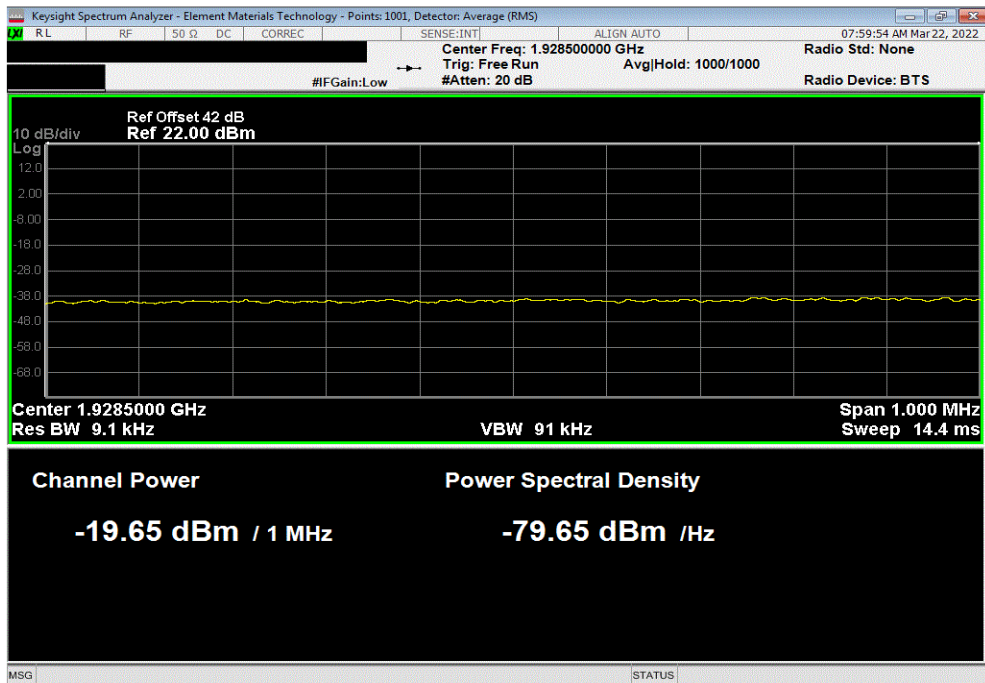


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-22.95	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.65	-19	Pass			

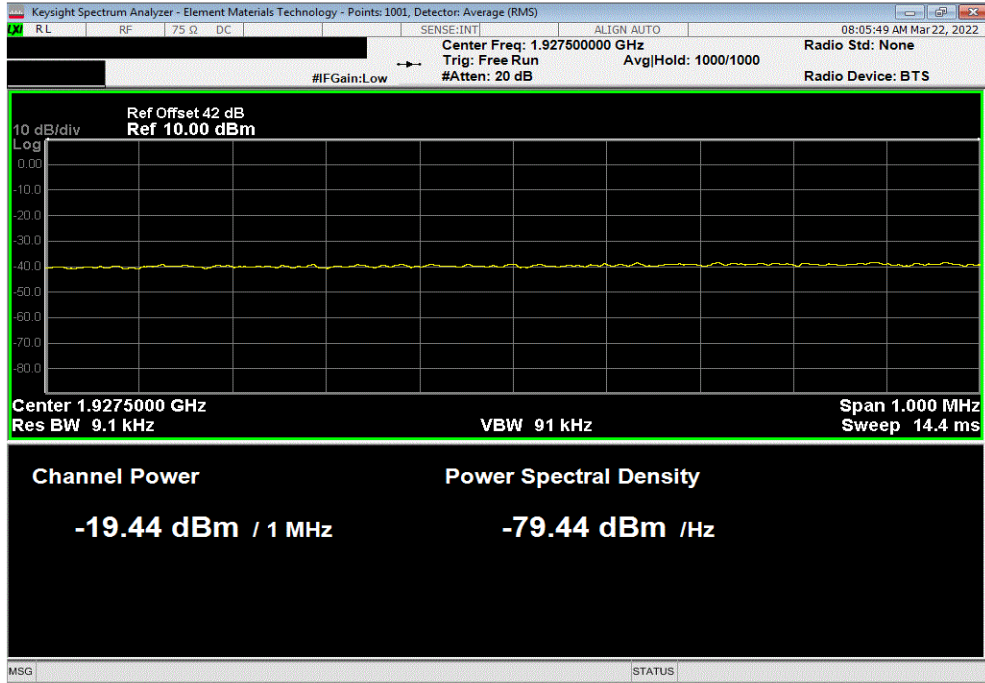


# BAND EDGE COMPLIANCE

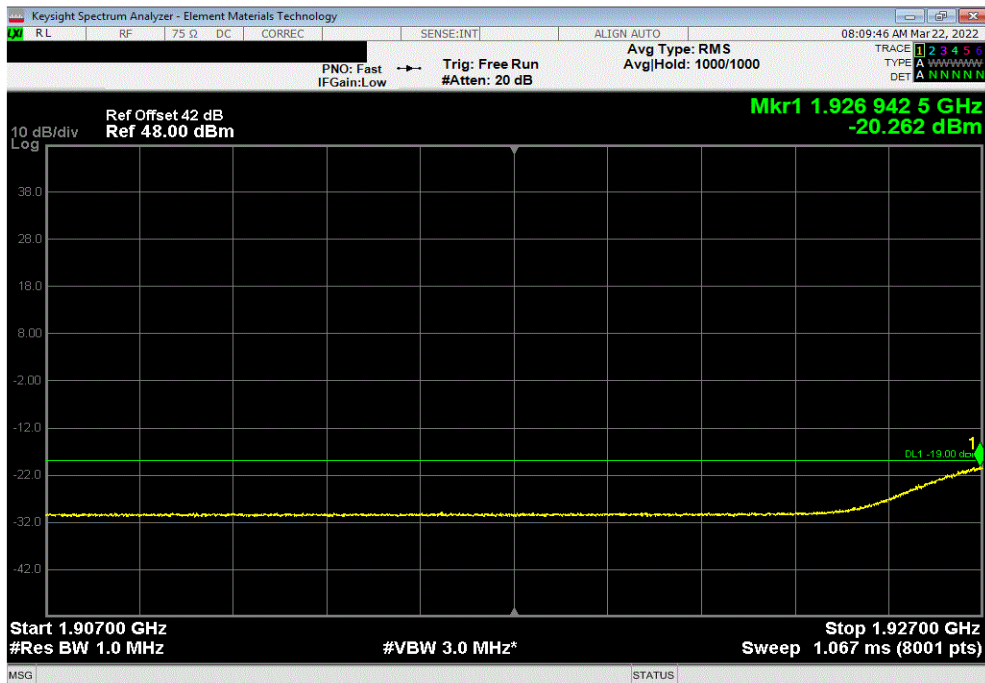


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.44	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 64-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
4	-20.26	-19	Pass			

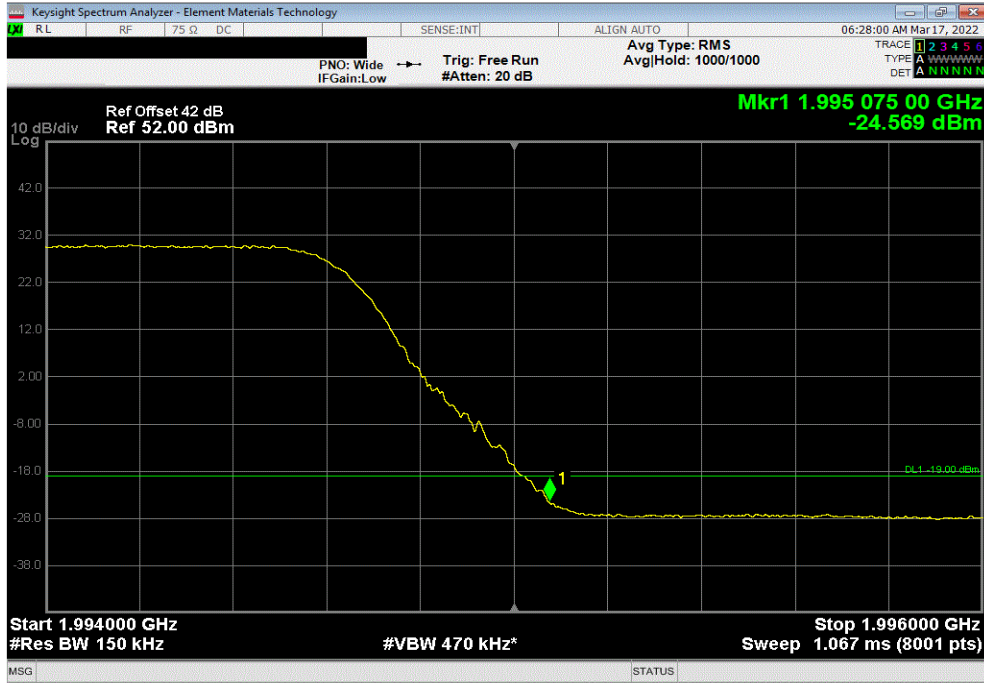


# BAND EDGE COMPLIANCE

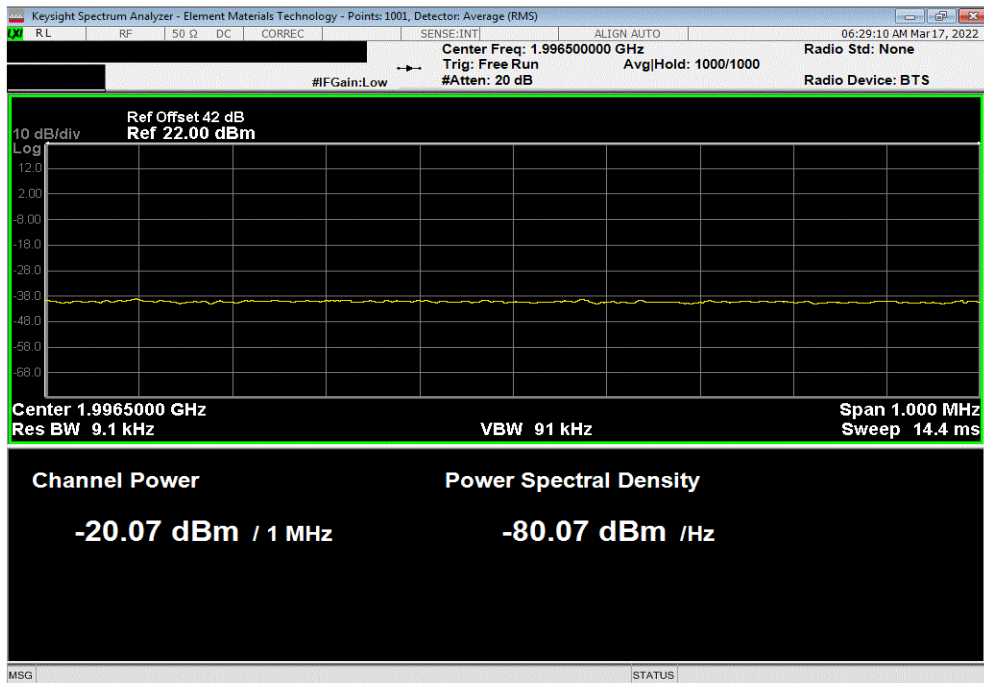


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 64-QAM Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-24.57	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 64-QAM Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-20.07	-19	Pass			

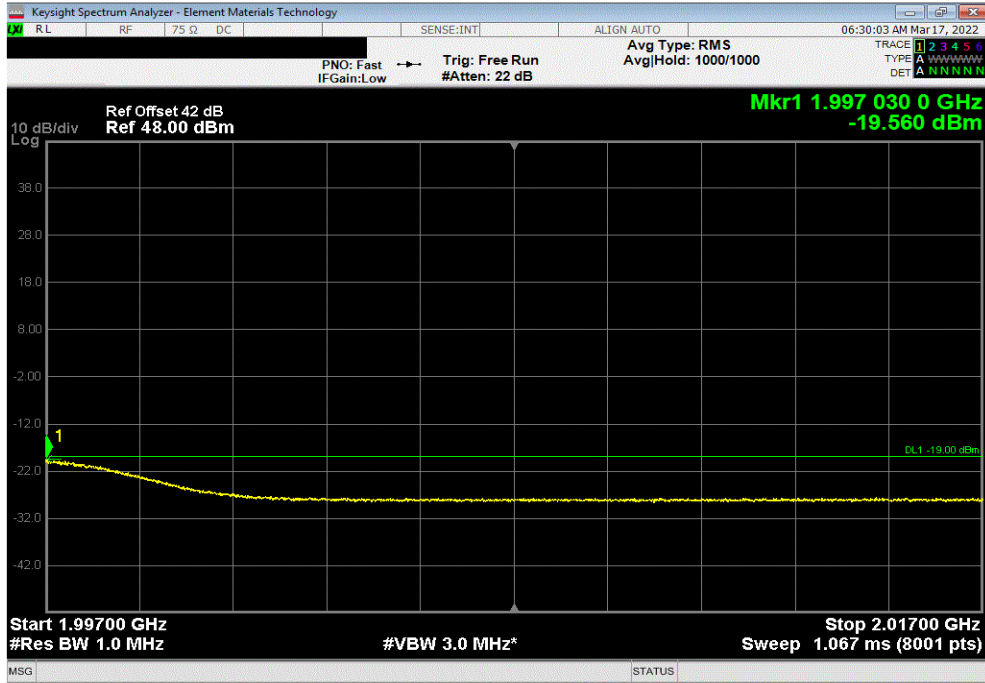


# BAND EDGE COMPLIANCE

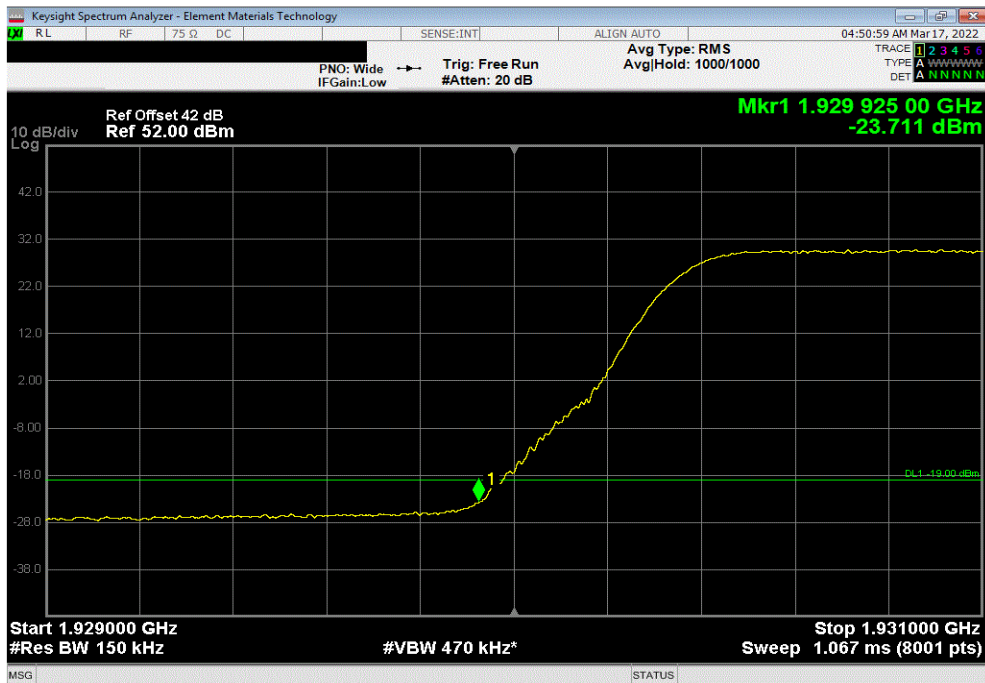


TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 64-QAM Modulation, High Channel, 1987.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.56	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
1	-23.71	-19	Pass			



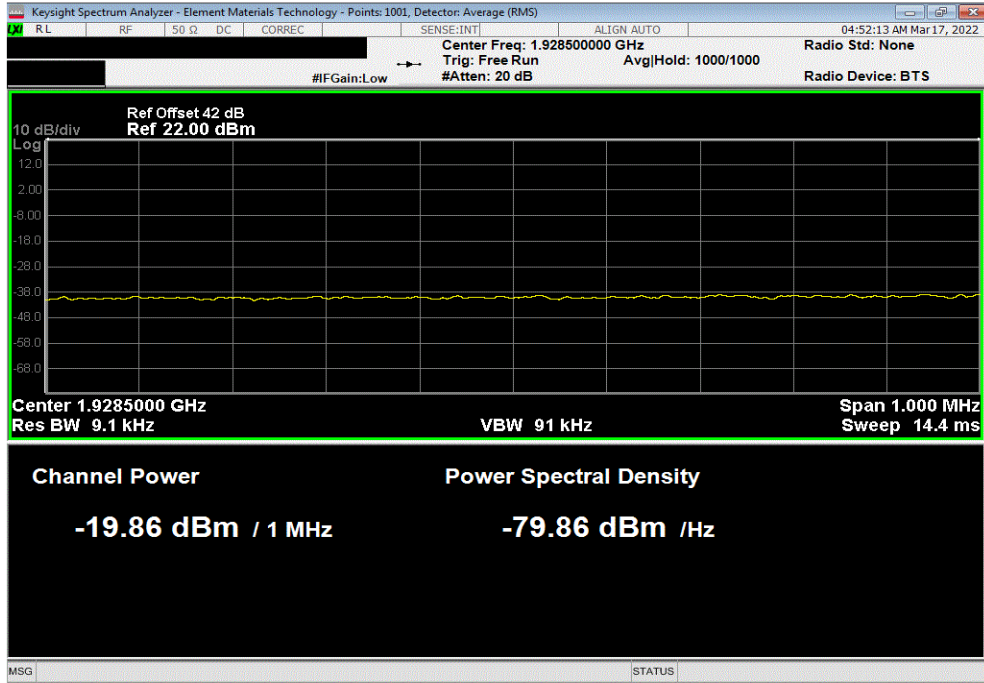


# BAND EDGE COMPLIANCE



TbTx 2021.12.14.1 XMI 2022.02.07.0

Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
2	-19.86	-19	Pass			



Band n25, 1930 MHz - 1995 MHz, 5G NR, Port 1, 15 MHz Bandwidth, 256-QAM Modulation, Low Channel, 1937.5 MHz						
Frequency Range	Max Value (dBm)	Limit < (dBm)	Result			
3	-19.21	-19	Pass			

