

PEAK AND AVERAGE (PAPR) CCDF - 3dBi

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	AFN	2022-01-19	2023-01-19
Block - DC	Fairview Microwave	SD3235-2148	ANF	2022-05-27	2023-05-27
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17
Cable	UtiFlex Micro-Coax	UFD1150A-1-0720-200200	TXK	2021-09-13	2022-09-13

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 have a limit per part 25.

The PAPR measurement method is described in ANSI C63.26 section 5.2.3.4.

The PAPR was measured using the Complimentary Cumulative Distribution Function (CCDF) function of the spectrum analyzer.

Per ANSI a 0.1% of the time was used.

RF conducted emissions testing was performed only on one port. The Remote Radio Head (RRH) antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown during output power testing) and antenna port 3 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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TSTx 2022.05.02.0 XMR 2022.02.07.0

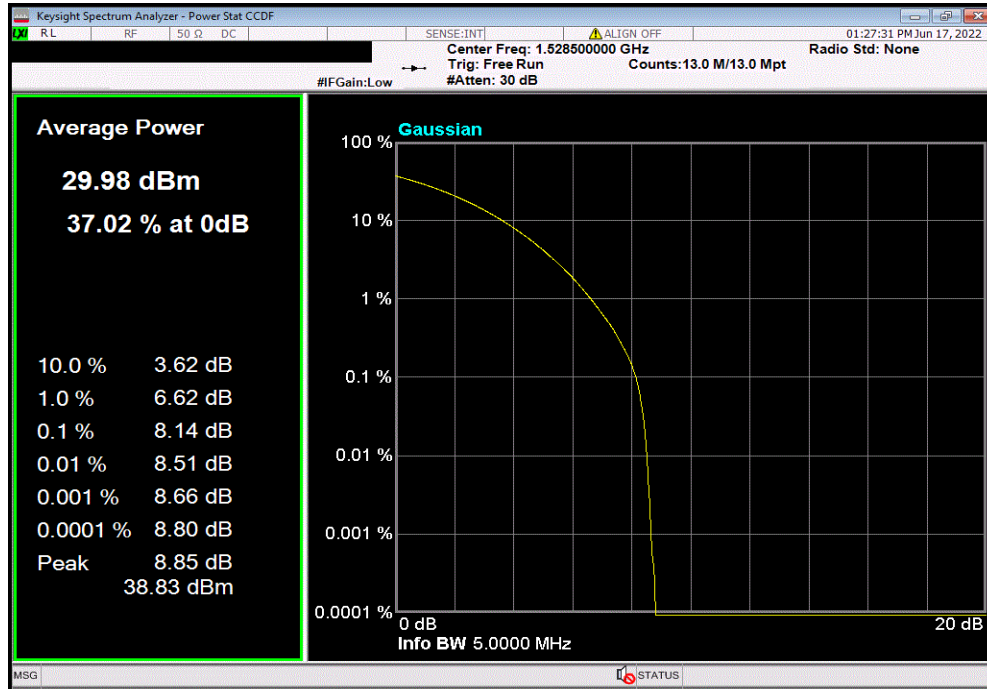
EUT: TR44KA Base Station		Work Order: MASY0006
Serial Number: SV2146TR44KA000001		Date: 10-Aug-22
Customer: Mavenir Systems, Inc		Temperature: 20.7 °C
Attendees: None		Humidity: 56.3% RH
Project: None		Barometric Pres.: 1019 mbar
Tested by: Brandon Hobbs	Power: 48 VDC	Job Site: TX09
TEST SPECIFICATIONS		Test Method
FCC 25:2022		ANSI C63.26:2015
COMMENTS		
All conducted path losses were accounted for: cables, attenuators, adapters, DC block and notch filter. The PA gain was adjusted for a 3dBi antenna (Final software value of 42). All available Resource Block / Offset configurations were used for each bandwidth.		
DEVIATIONS FROM TEST STANDARD		
None		
Configuration #	1	Signature
		0.1% Value (dB) Limit (dB) Results
5G NR, Band n24, SCS 15kHz		
5 MHz Bandwidth		
QPSK Modulation		
Low Channel 1528.5 MHz		
25 RB/0 Offset		
	8.14	N/A N/A
High Channel 1533.5 MHz		
25 RB/0 Offset		
	8.14	N/A N/A
16-QAM Modulation		
Low Channel 1528.5 MHz		
25 RB/0 Offset		
	8.12	N/A N/A
High Channel 1533.5 MHz		
25 RB/0 Offset		
	8.14	N/A N/A
64-QAM Modulation		
Low Channel 1528.5 MHz		
25 RB/0 Offset		
	8.17	N/A N/A
High Channel 1533.5 MHz		
25 RB/0 Offset		
	8.20	N/A N/A
256-QAM Modulation		
Low Channel 1528.5 MHz		
25 RB/0 Offset		
	8.11	N/A N/A
High Channel 1533.5 MHz		
25 RB/0 Offset		
	8.11	N/A N/A
10 MHz Bandwidth		
QPSK Modulation		
Mid Channel 1531 MHz		
25 RB/0 Offset		
	8.36	N/A N/A
25 RB/13 Offset		
	8.44	N/A N/A
25 RB/27 Offset		
	8.38	N/A N/A
40 RB/0 Offset		
	8.40	N/A N/A
40 RB/6 Offset		
	8.37	N/A N/A
40 RB/12 Offset		
	8.44	N/A N/A
52 RB/0 Offset		
	8.35	N/A N/A
16-QAM Modulation		
Mid Channel 1531 MHz		
25 RB/0 Offset		
	8.39	N/A N/A
25 RB/13 Offset		
	8.41	N/A N/A
25 RB/27 Offset		
	8.40	N/A N/A
40 RB/0 Offset		
	8.40	N/A N/A
40 RB/6 Offset		
	8.30	N/A N/A
40 RB/12 Offset		
	8.38	N/A N/A
52 RB/0 Offset		
	8.18	N/A N/A
64-QAM Modulation		
Mid Channel 1531 MHz		
25 RB/0 Offset		
	8.50	N/A N/A
25 RB/13 Offset		
	8.51	N/A N/A
25 RB/27 Offset		
	8.50	N/A N/A
40 RB/0 Offset		
	8.37	N/A N/A
40 RB/6 Offset		
	8.31	N/A N/A
40 RB/12 Offset		
	8.35	N/A N/A
52 RB/0 Offset		
	8.17	N/A N/A
256-QAM Modulation		
Mid Channel 1531 MHz		
25 RB/0 Offset		
	8.45	N/A N/A
25 RB/13 Offset		
	8.36	N/A N/A
25 RB/27 Offset		
	8.37	N/A N/A
40 RB/0 Offset		
	8.32	N/A N/A
40 RB/6 Offset		
	8.38	N/A N/A
40 RB/12 Offset		
	8.31	N/A N/A
52 RB/0 Offset		
	8.17	N/A N/A

PEAK AND AVERAGE (PAPR) CCDF - 3dBi

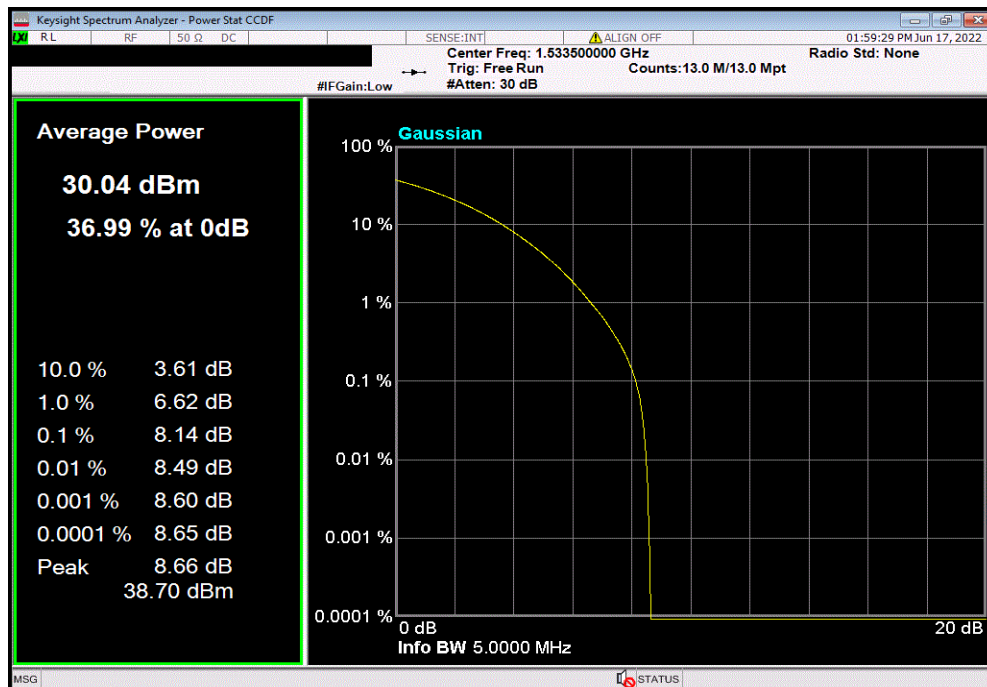


TbTx 2022.05.02.0 XMR 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, QPSK Modulation, Low Channel 1528.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.14	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, QPSK Modulation, High Channel 1533.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.14	N/A	N/A			

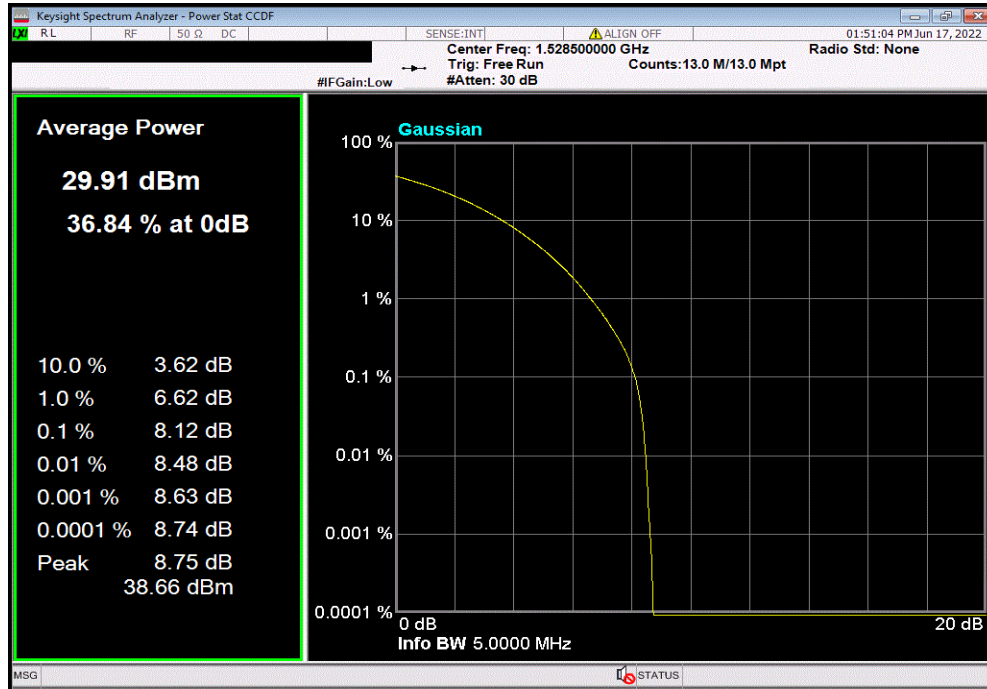


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

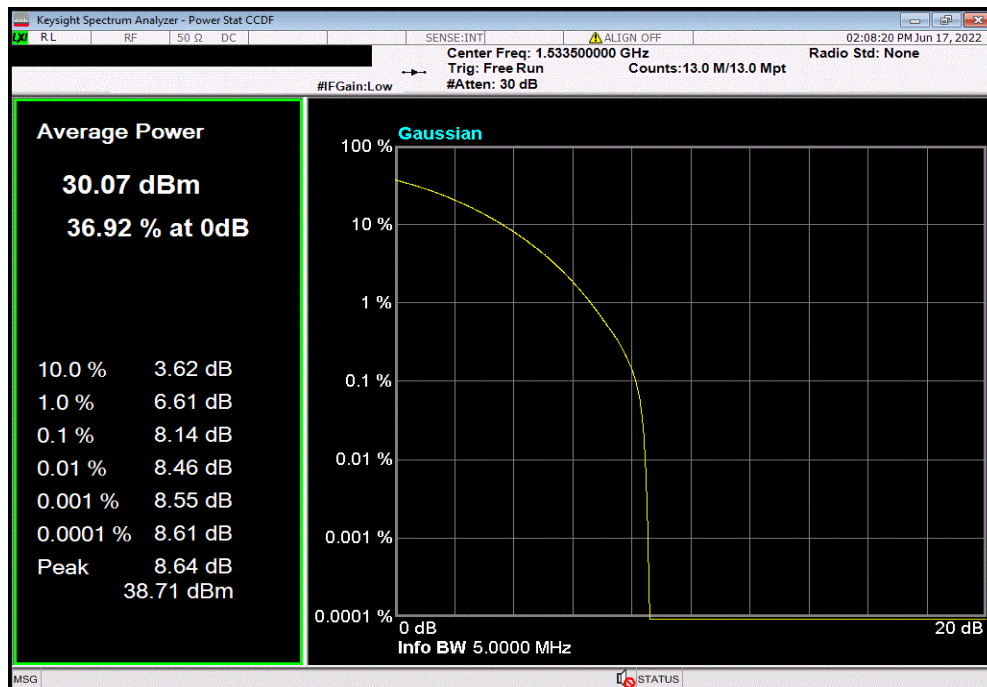


TMTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel 1528.5 MHz, 25 RB/0 Offset						
	0.1%		Limit		Results	
	Value (dB)		(dB)			
	8.12		N/A		N/A	



5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 16-QAM Modulation, High Channel 1533.5 MHz, 25 RB/0 Offset						
	0.1%		Limit		Results	
	Value (dB)		(dB)			
	8.14		N/A		N/A	

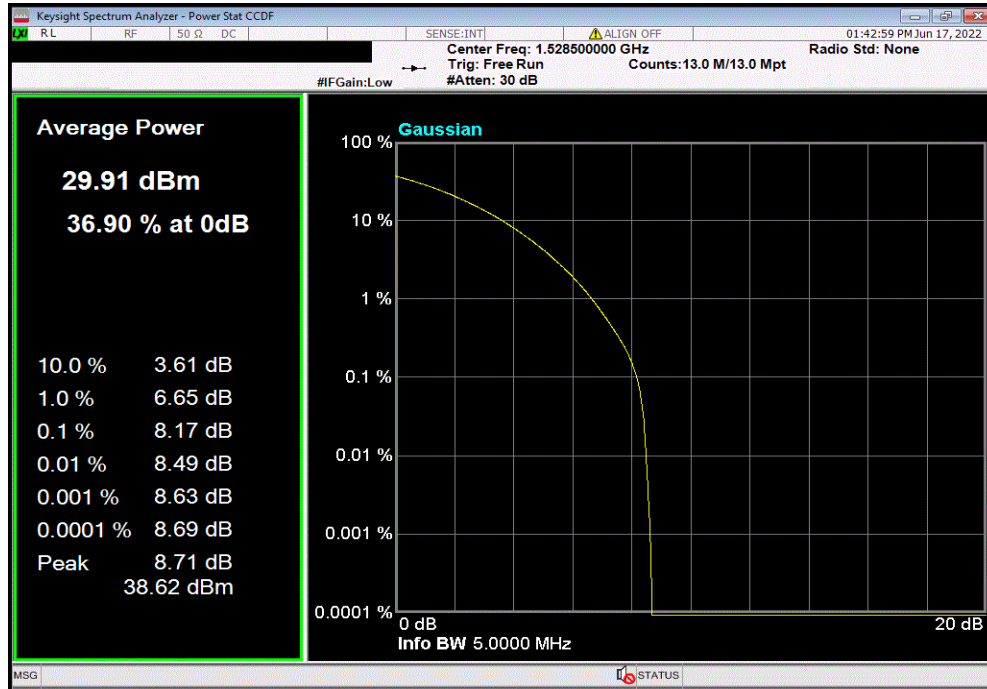


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

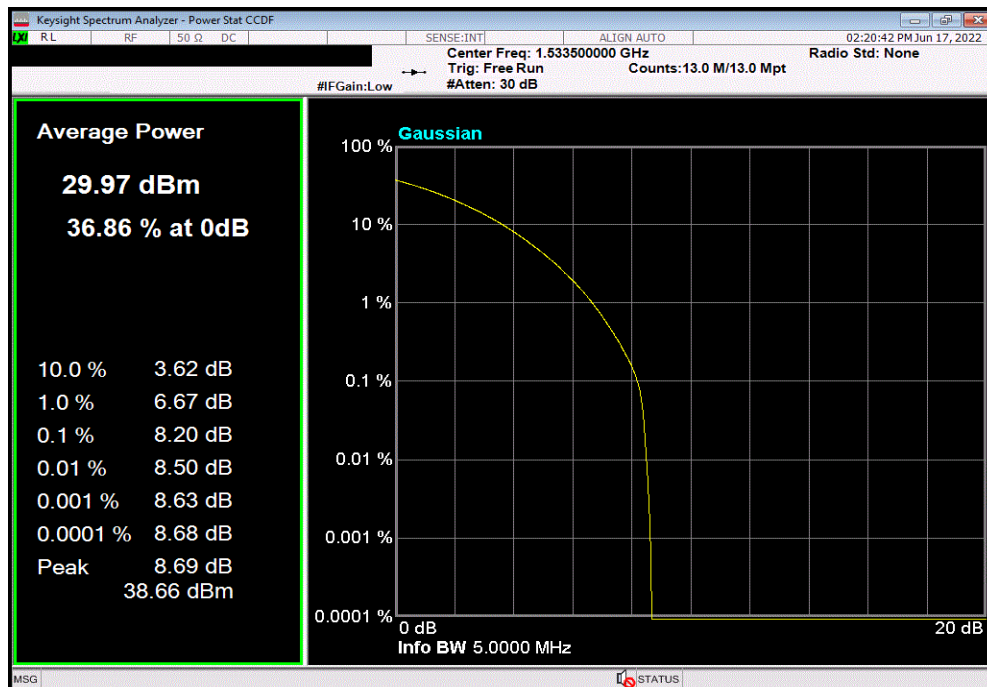


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel 1528.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.17	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 64-QAM Modulation, High Channel 1533.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.2	N/A	N/A			

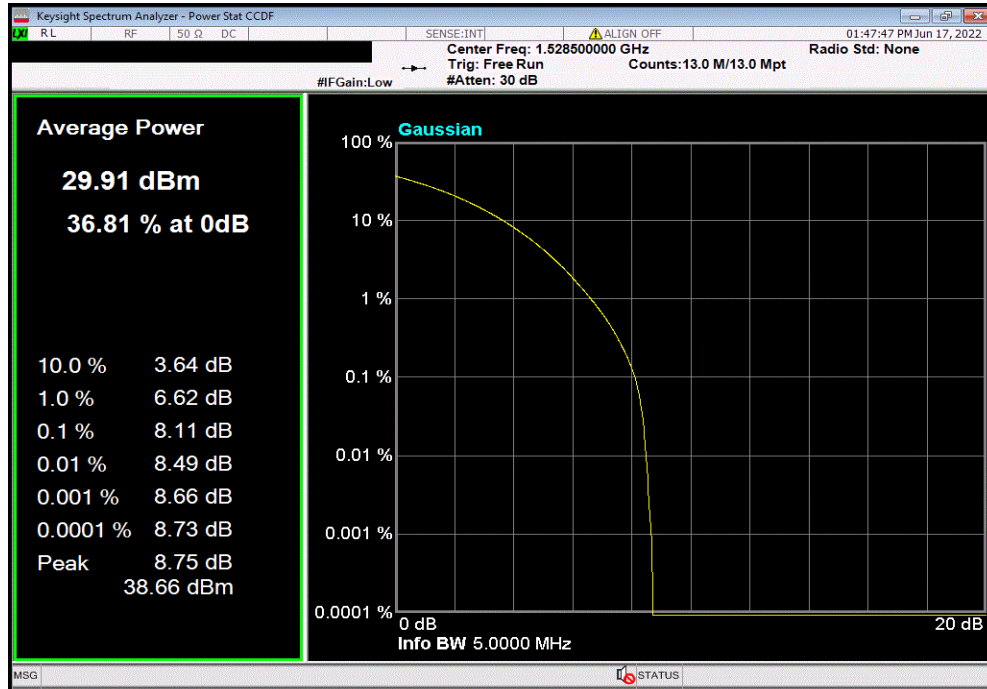


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

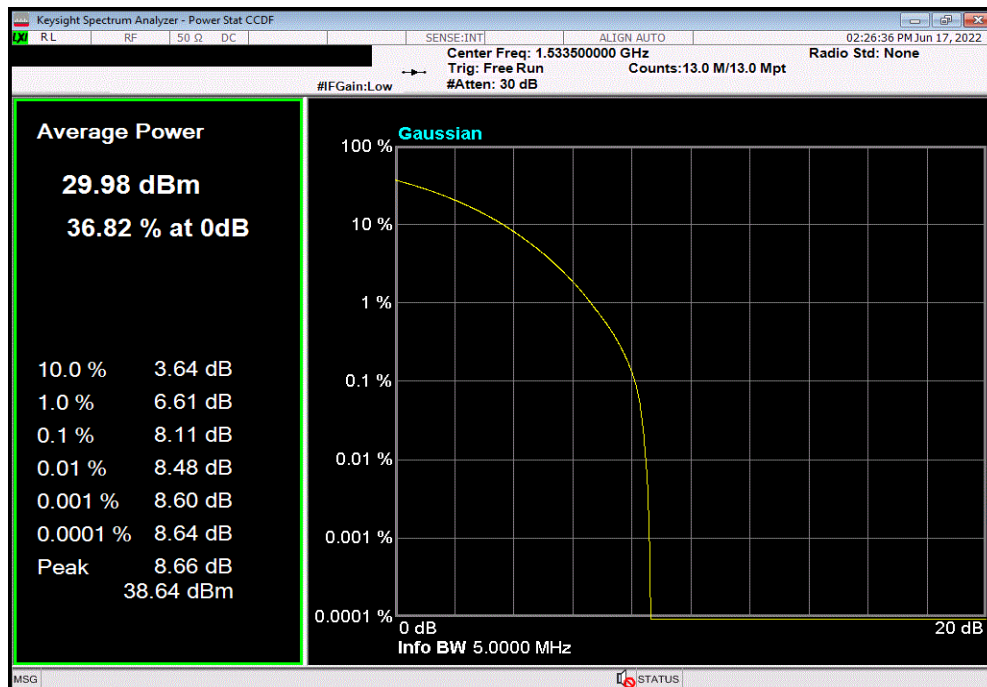


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel 1528.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.11	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 256-QAM Modulation, High Channel 1533.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.11	N/A	N/A			

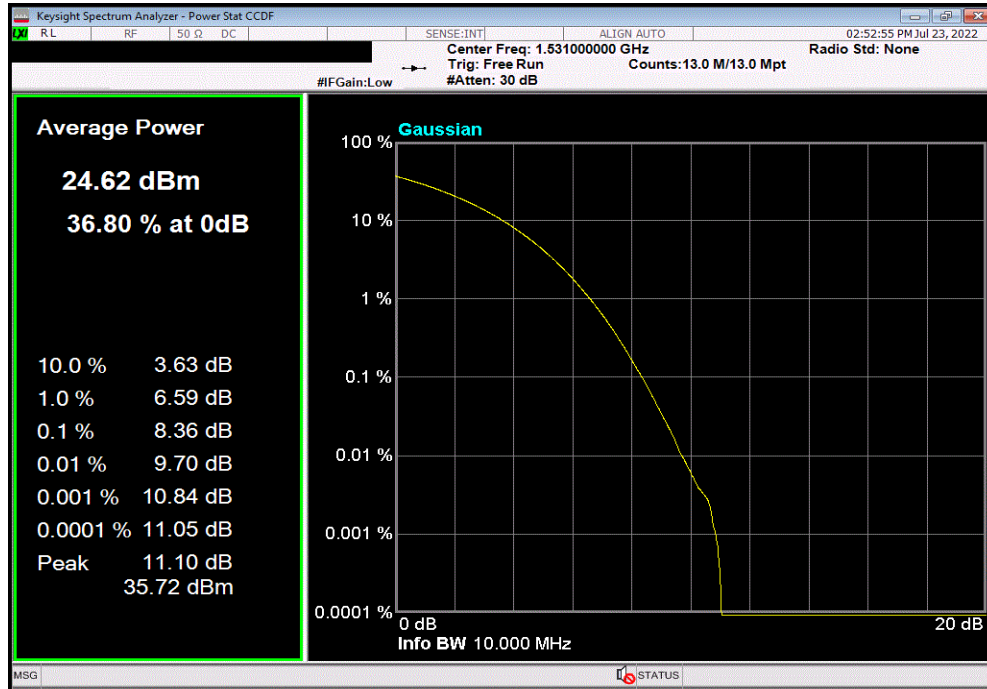


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

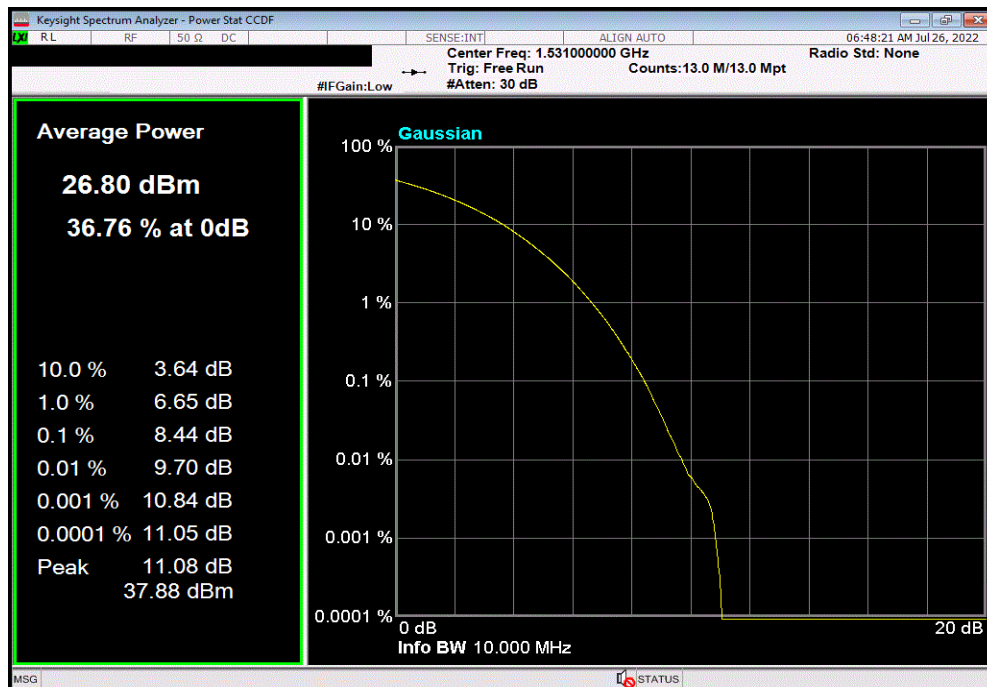


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.36	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 25 RB/13 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.44	N/A	N/A			

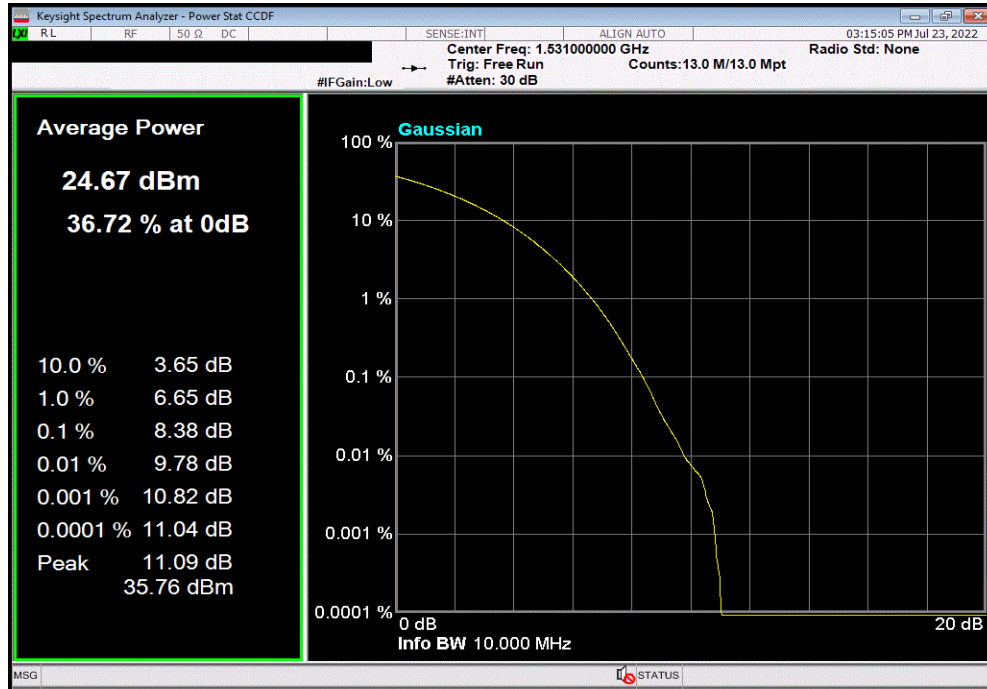


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

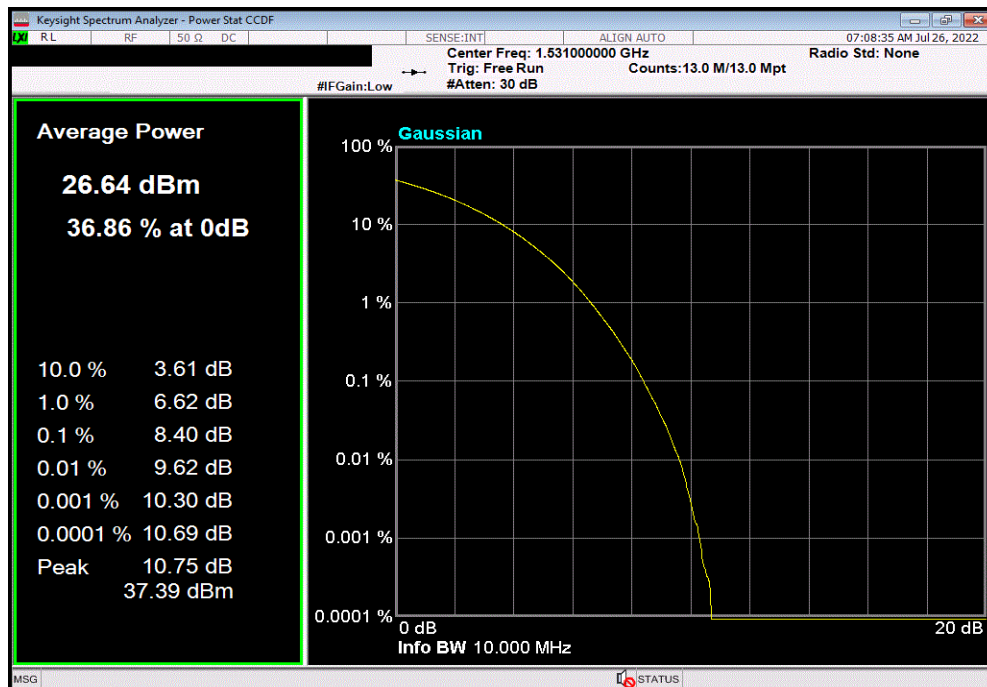


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 25 RB/27 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.38	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 40 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.4	N/A	N/A			

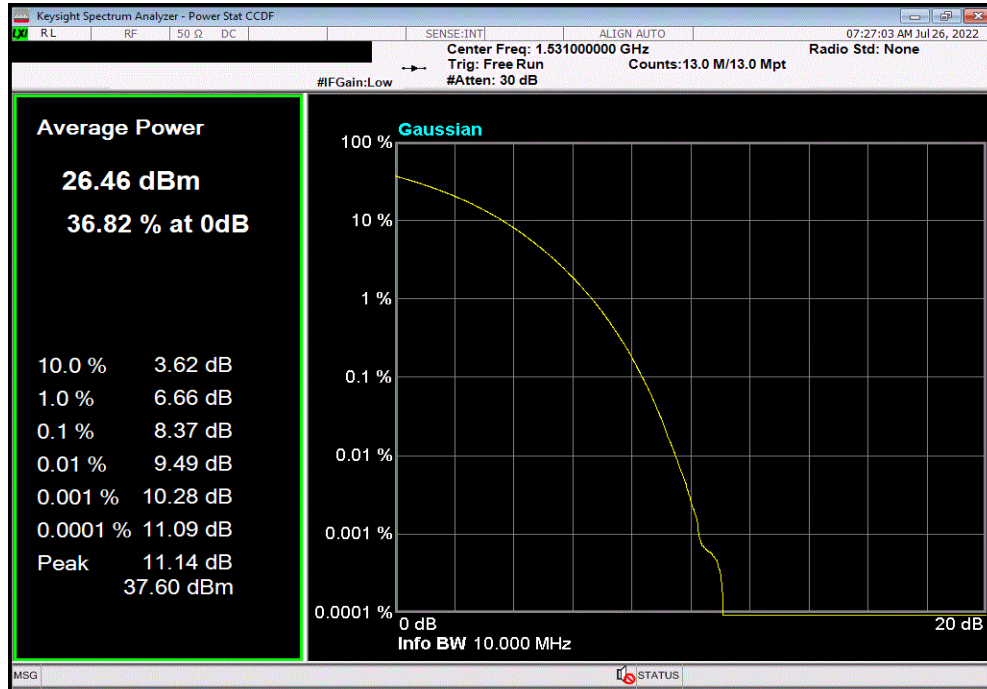


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

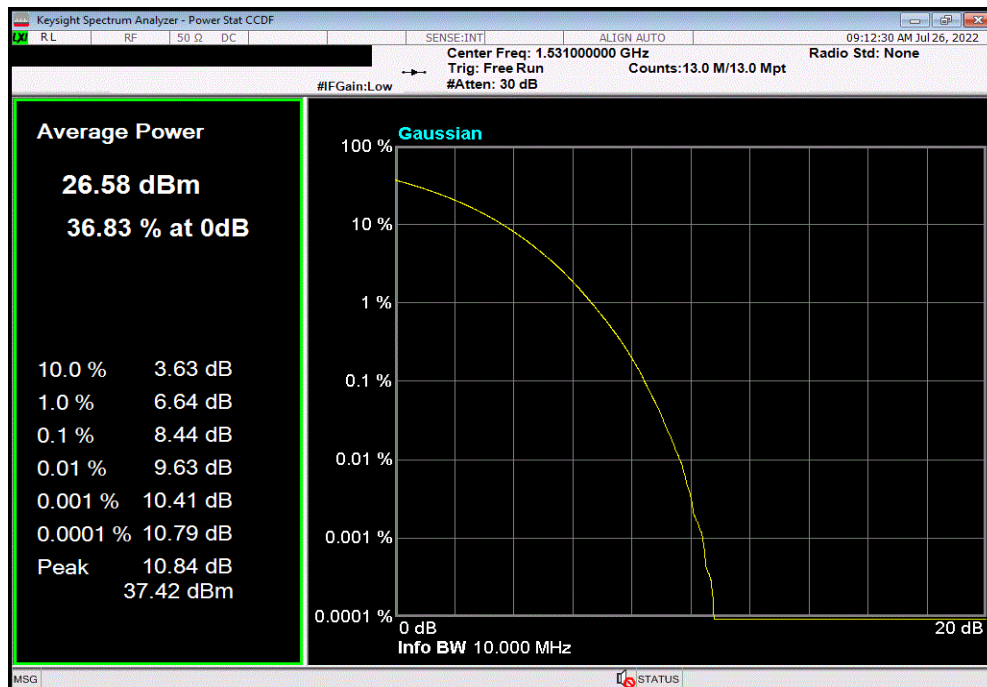


TbTx 2022.05.02.0 XMR 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 40 RB/6 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.37	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 40 RB/12 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.44	N/A	N/A			

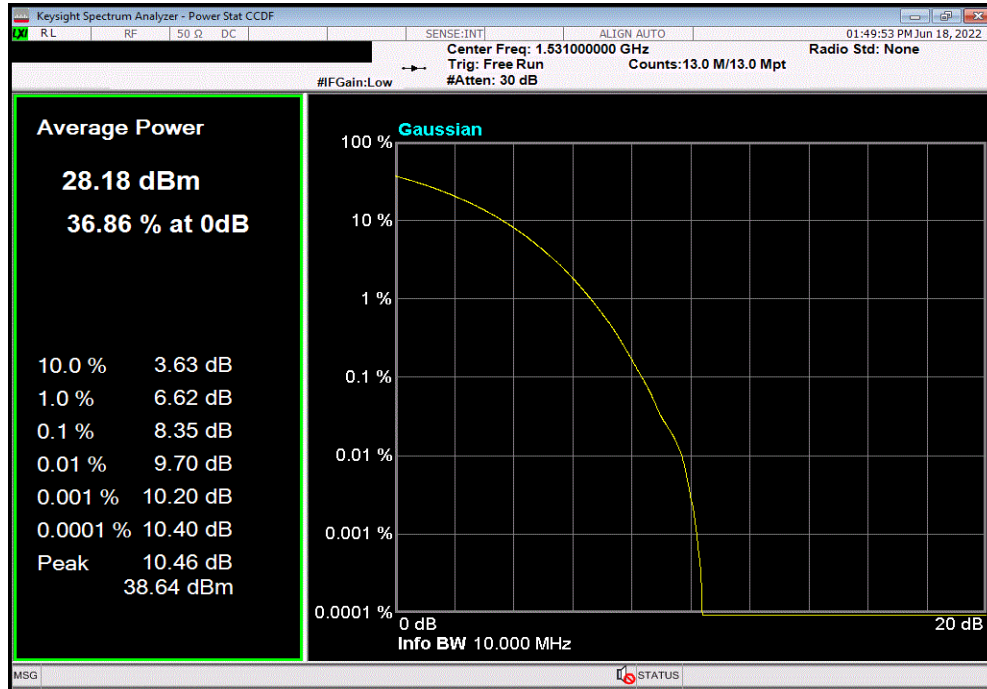


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

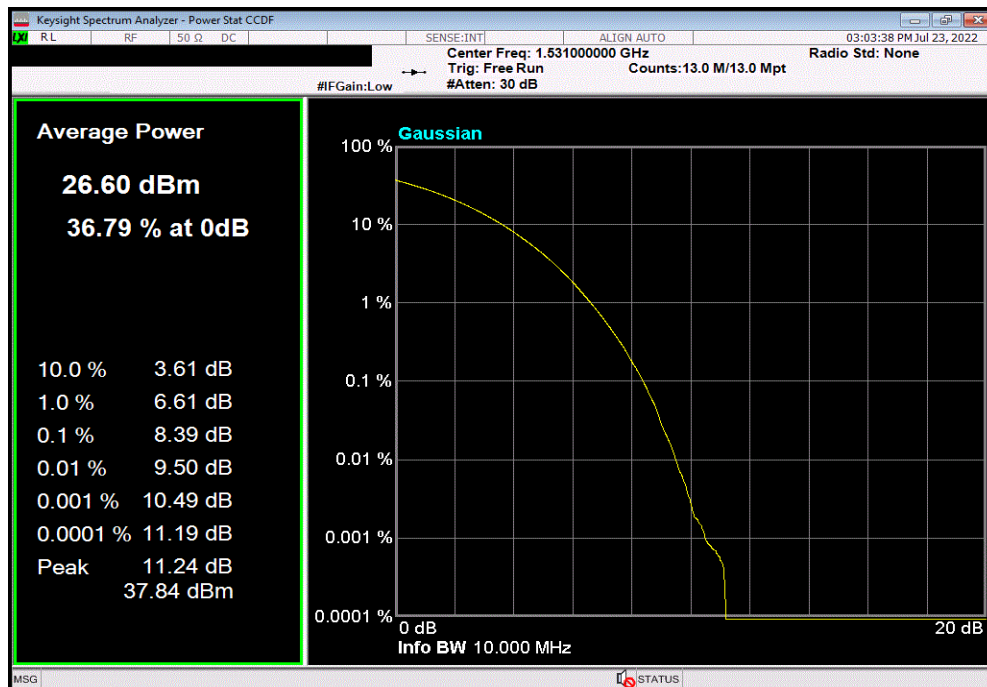


TbTx 2022.05.02.0 XMI 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 52 RB/0 Offset						
				0.1% Value (dB)	Limit (dB)	Results
				8.35	N/A	N/A



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 25 RB/0 Offset						
				0.1% Value (dB)	Limit (dB)	Results
				8.39	N/A	N/A

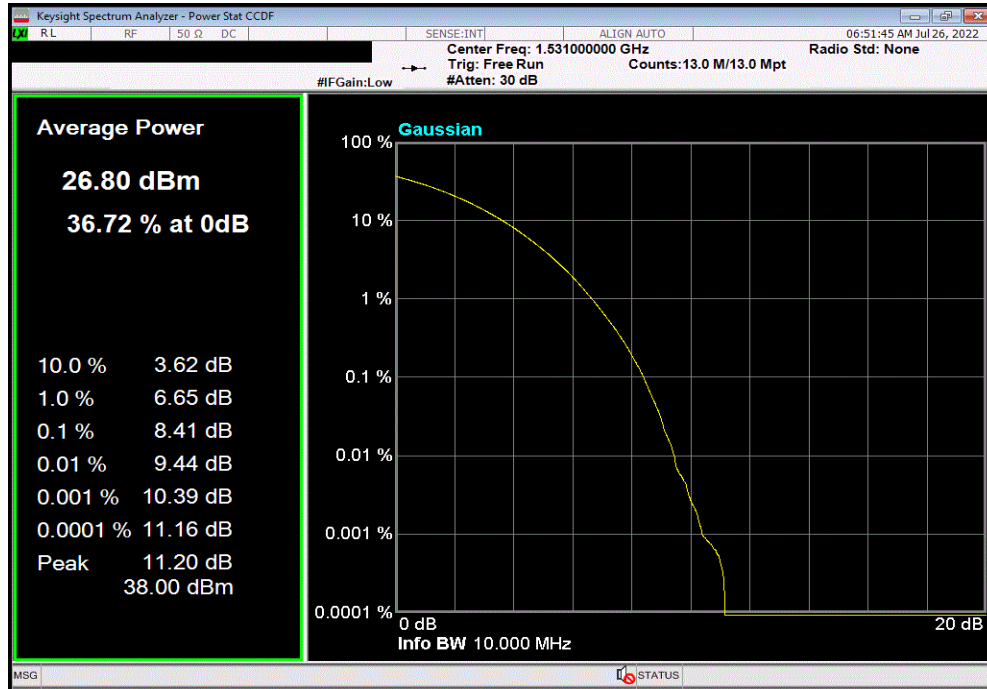


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

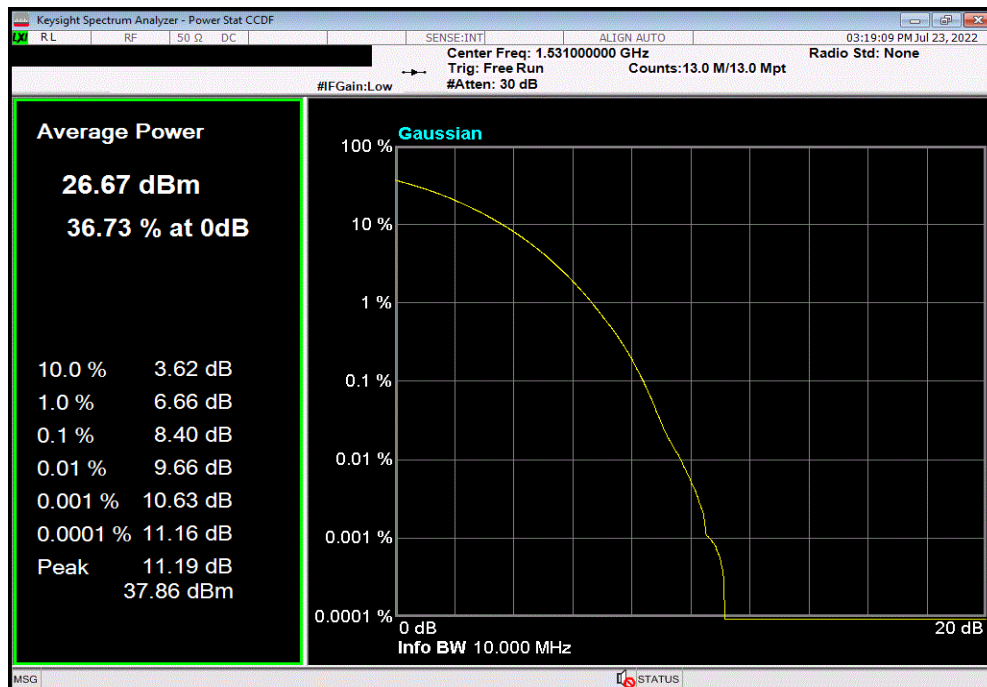


TbTx 2022.05.02.0 XMI 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 25 RB/13 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.41	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 25 RB/27 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.4	N/A	N/A			

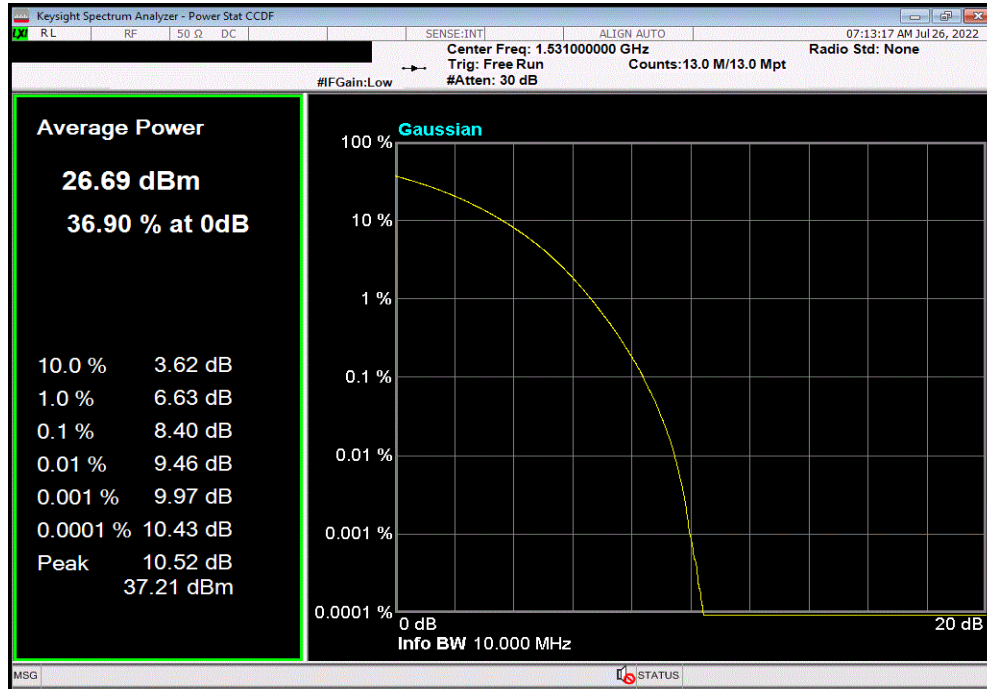


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

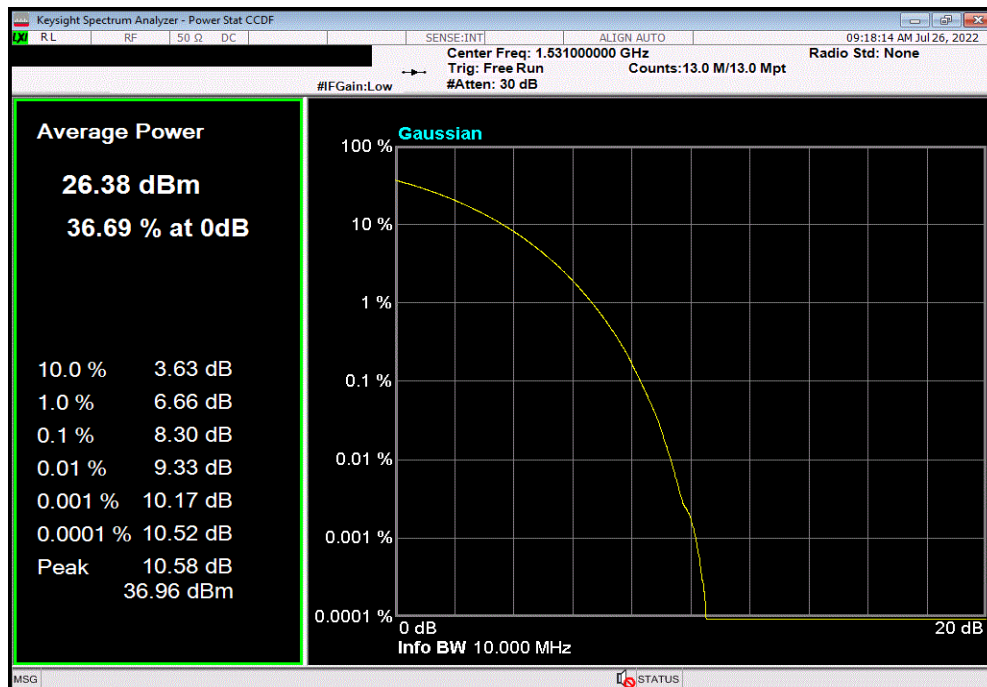


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 40 RB/0 Offset						
				0.1%	Limit	
				Value (dB)	(dB)	Results
				8.4	N/A	N/A



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 40 RB/6 Offset						
				0.1%	Limit	
				Value (dB)	(dB)	Results
				8.3	N/A	N/A

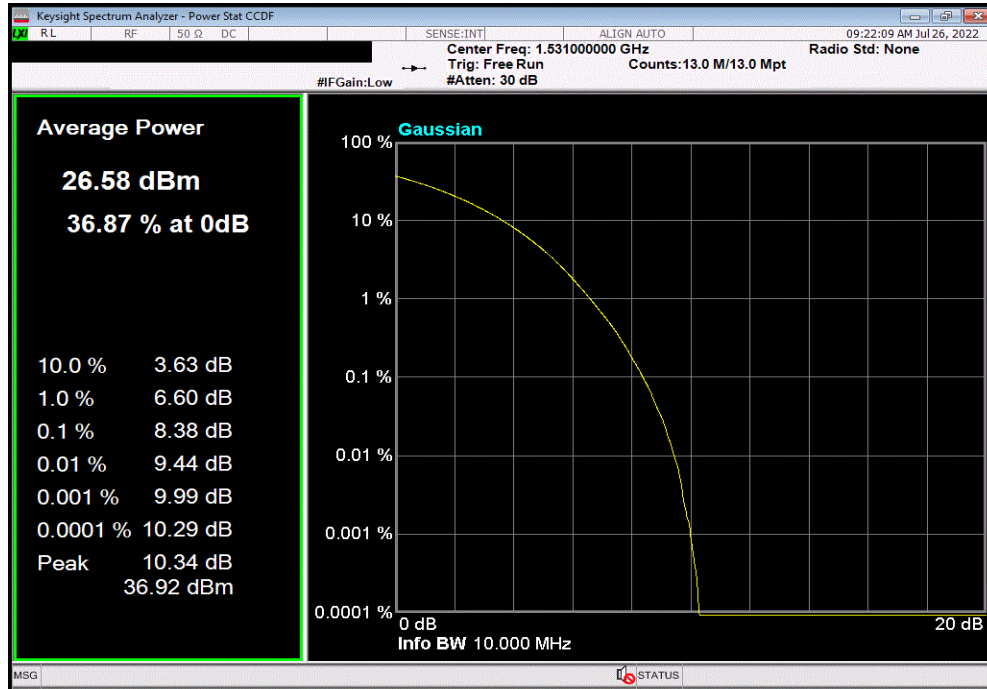


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

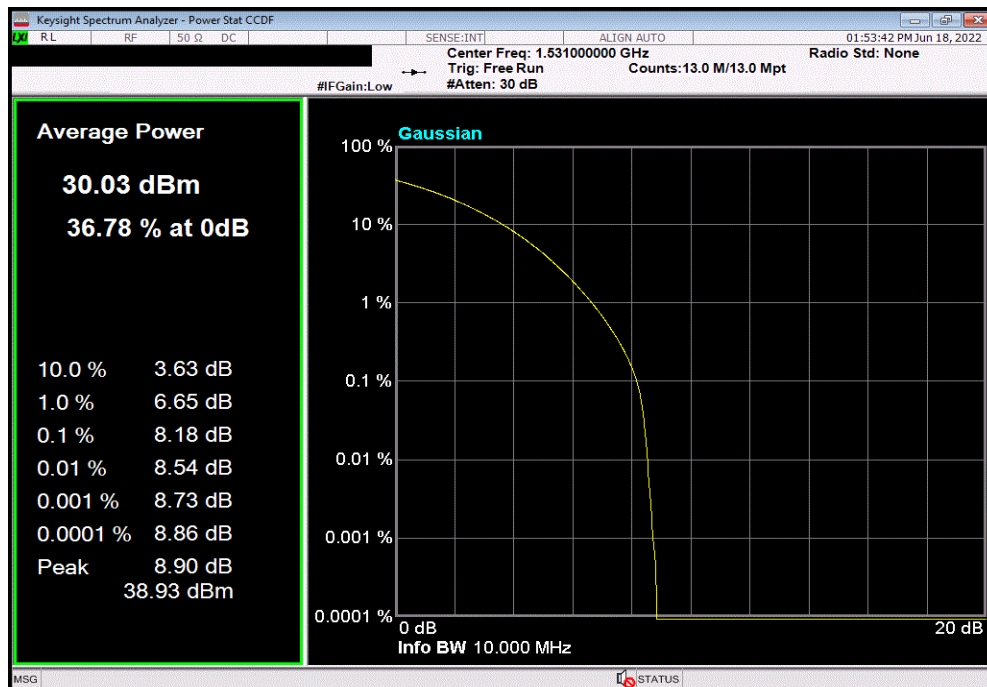


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 40 RB/12 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.38	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 52 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.18	N/A	N/A			

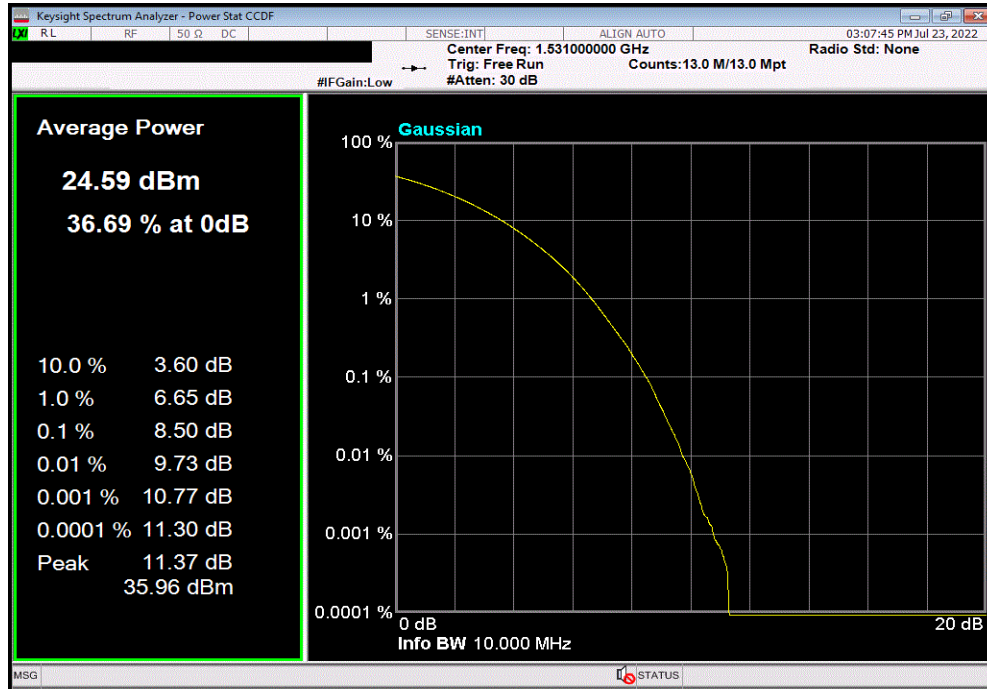


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

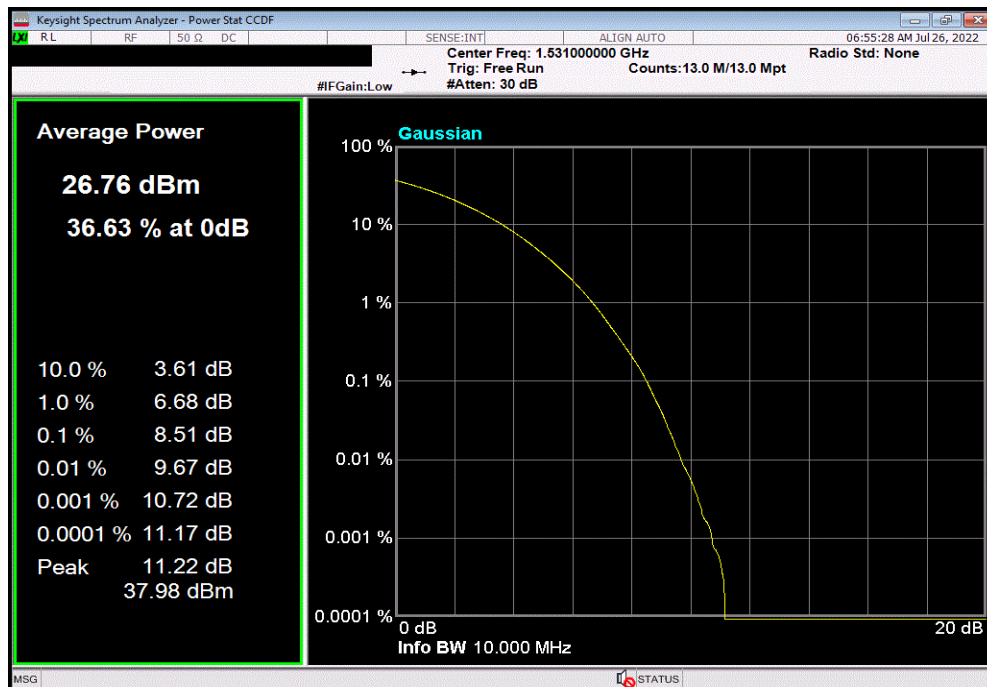


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.5	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 25 RB/13 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.51	N/A	N/A			

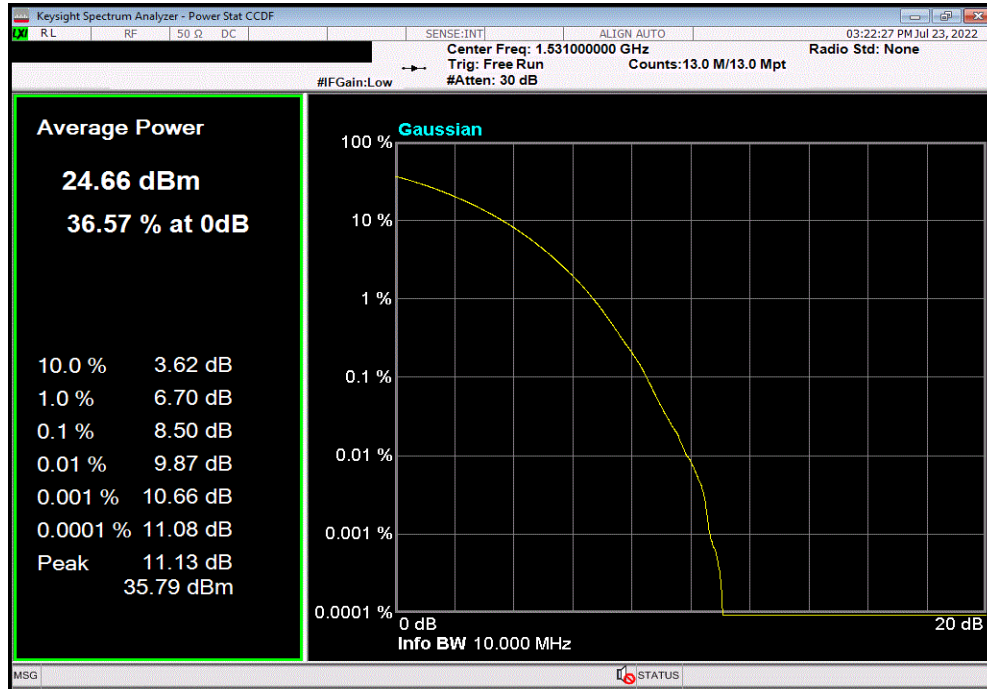


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

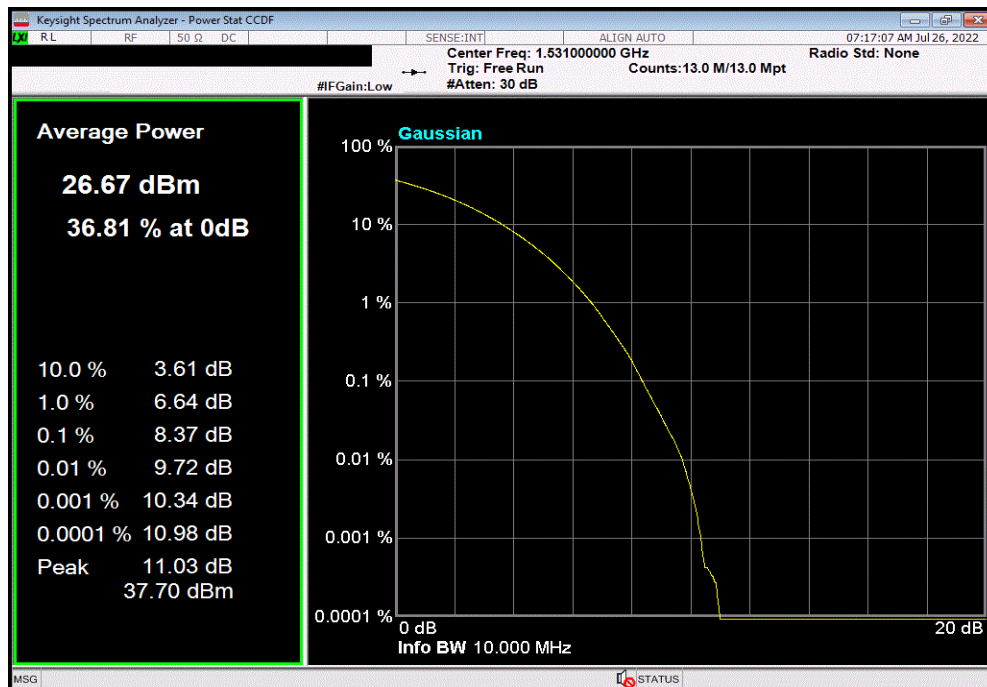


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 25 RB/27 Offset						
	0.1%		Limit		Results	
	Value (dB)		(dB)			
	8.5		N/A		N/A	



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 40 RB/0 Offset						
	0.1%		Limit		Results	
	Value (dB)		(dB)			
	8.37		N/A		N/A	

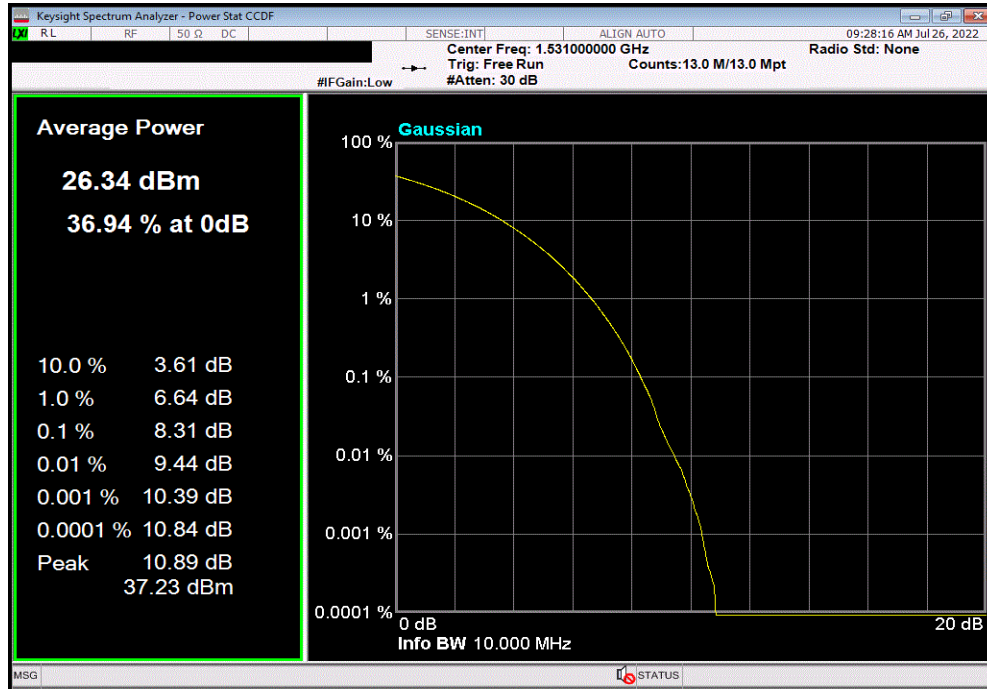


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

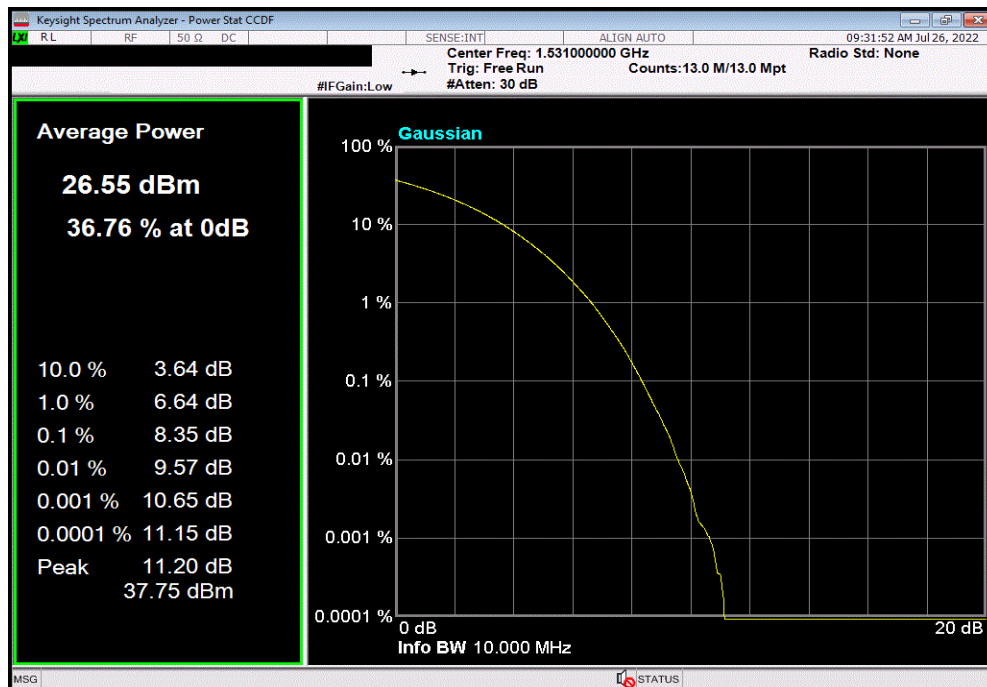


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 40 RB/6 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.31	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 40 RB/12 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.35	N/A	N/A			

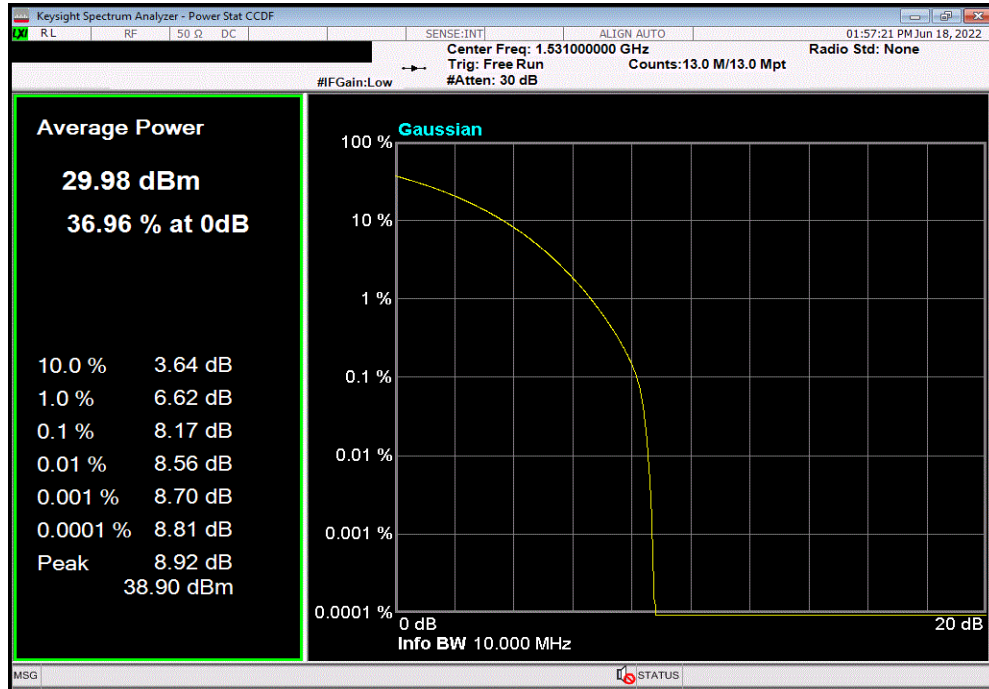


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

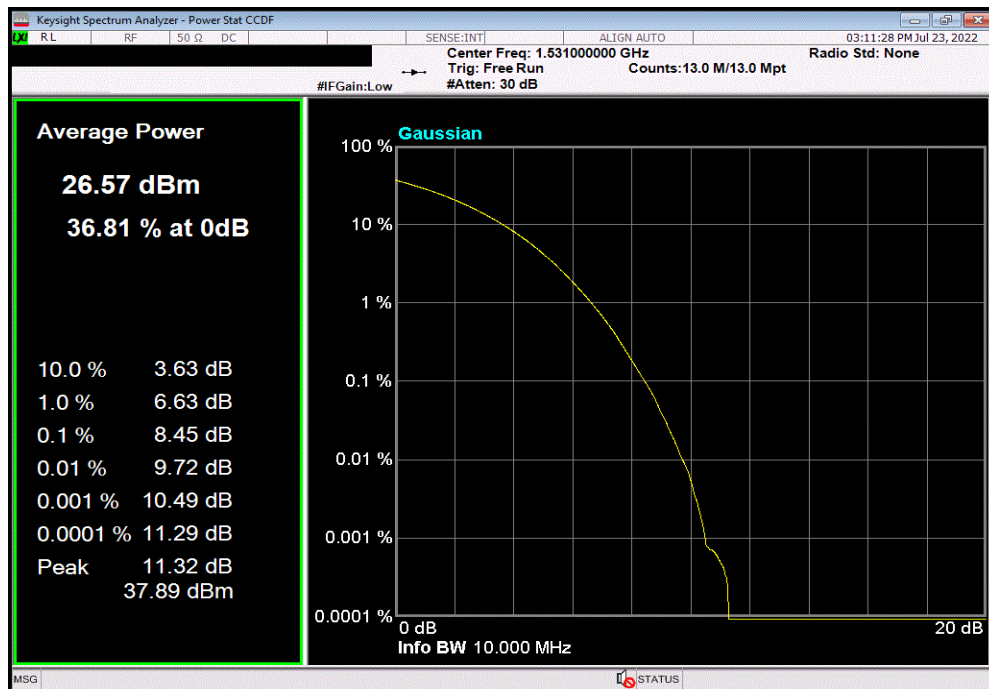


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 52 RB/0 Offset						
				0.1% Value (dB)	Limit (dB)	Results
				8.17	N/A	N/A



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 25 RB/0 Offset						
				0.1% Value (dB)	Limit (dB)	Results
				8.45	N/A	N/A

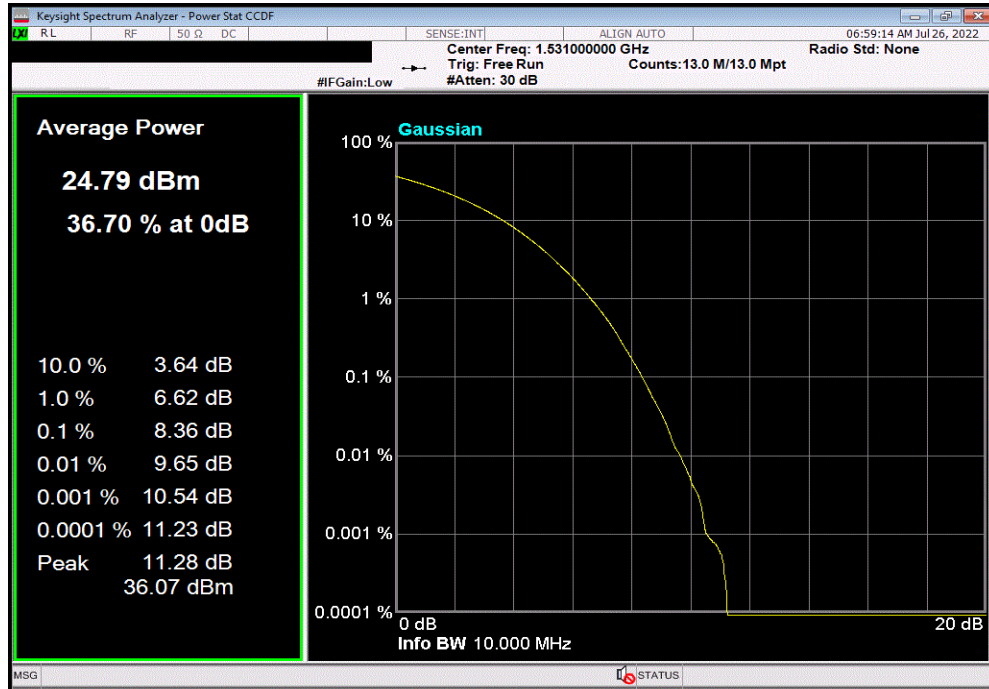


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

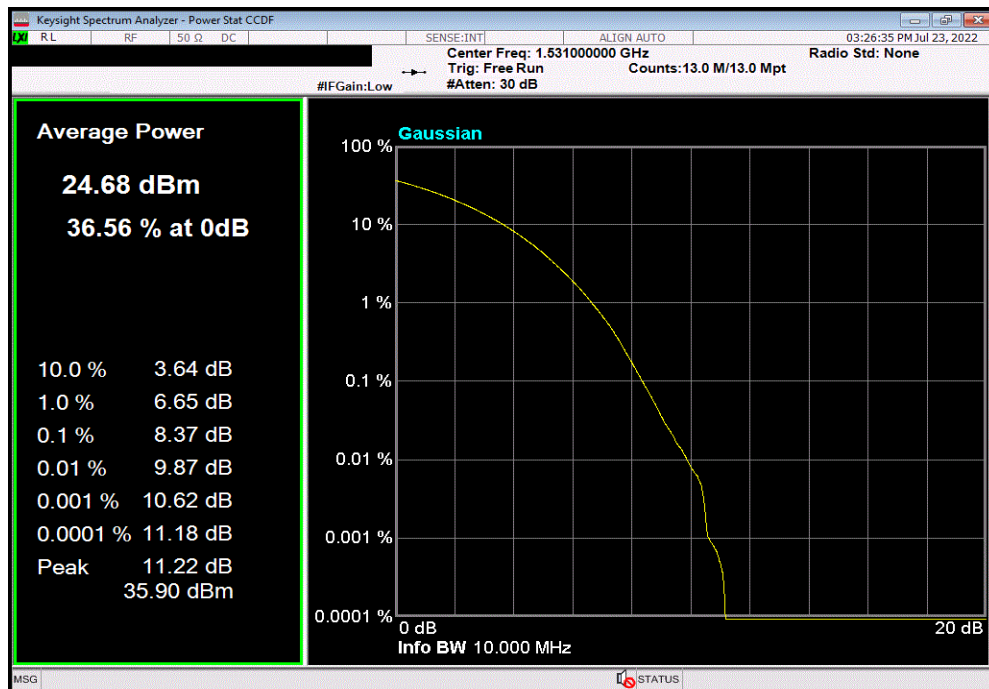


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 25 RB/13 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.36	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 25 RB/27 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.37	N/A	N/A			

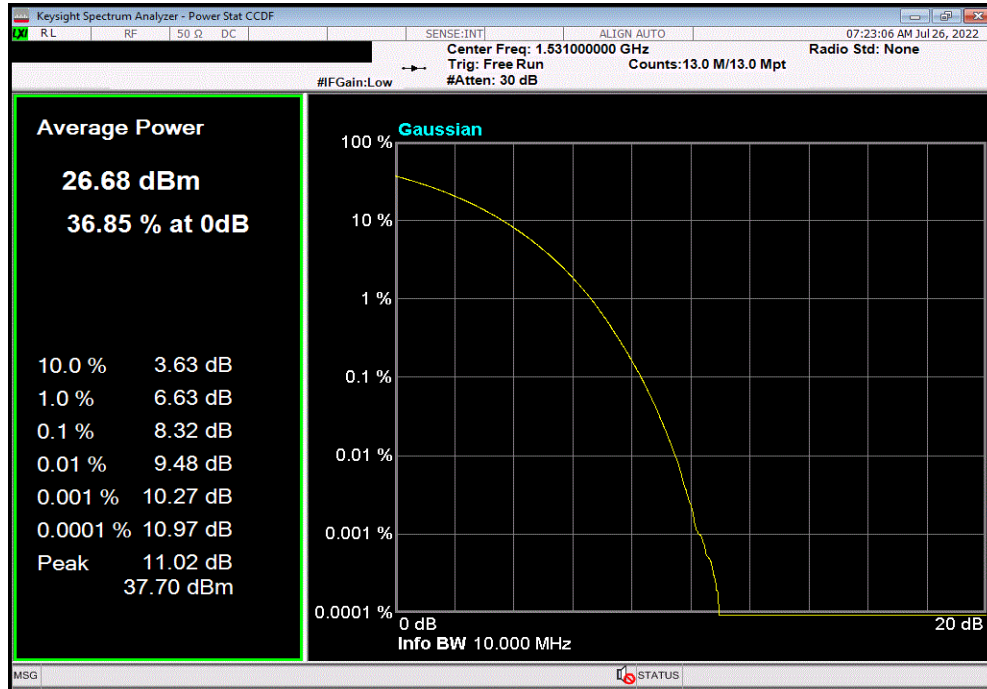


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

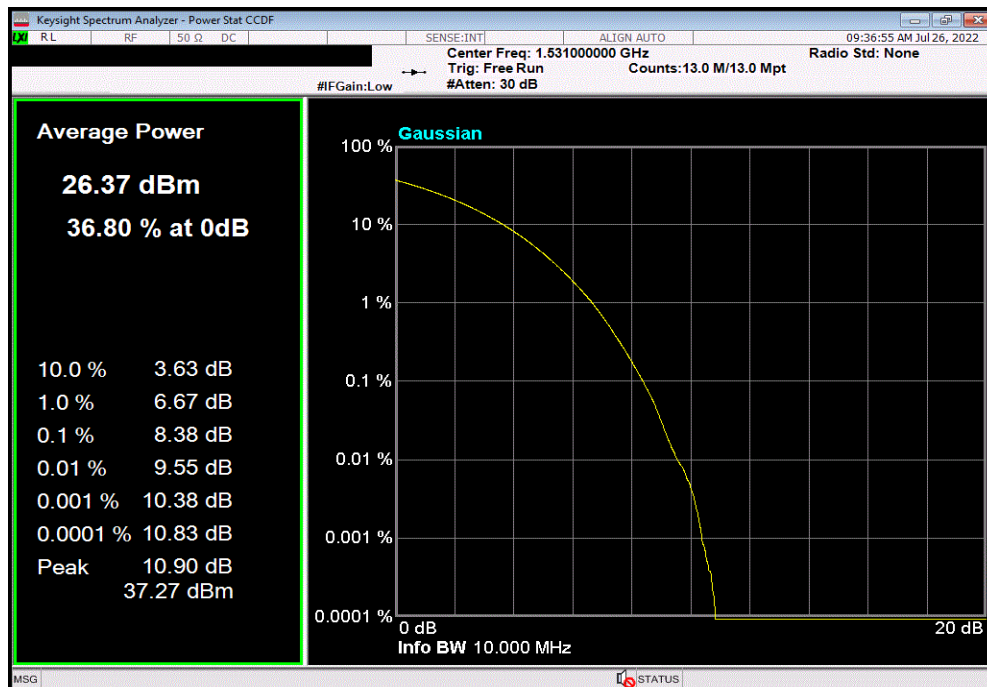


TbTx 2022.05.02.0 XMR 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 40 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.32	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 40 RB/6 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.38	N/A	N/A			

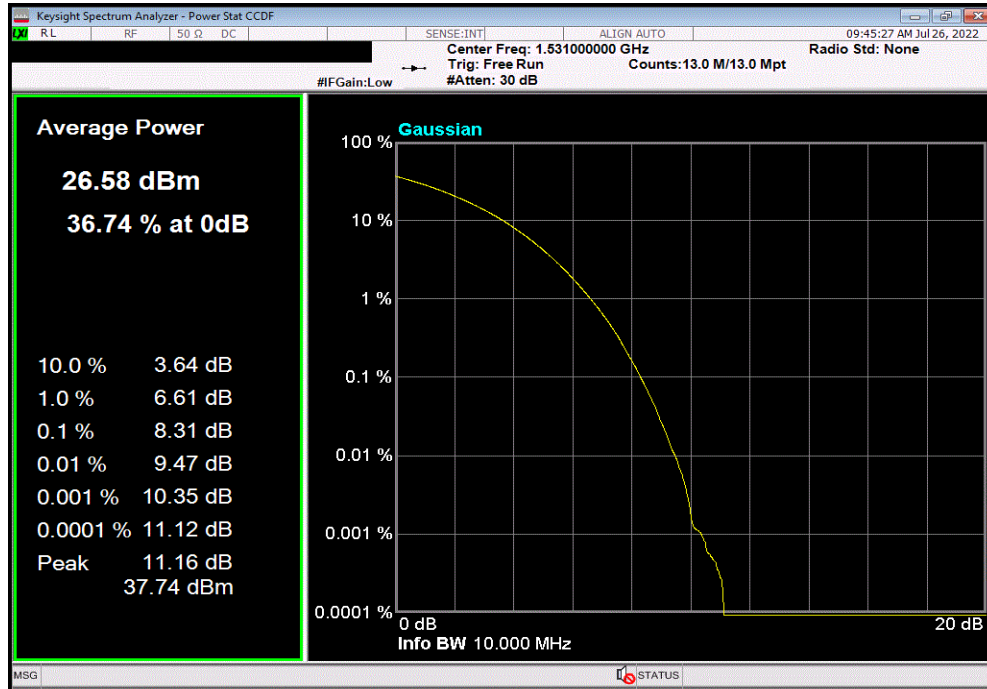


PEAK AND AVERAGE (PAPR) CCDF - 3dBi

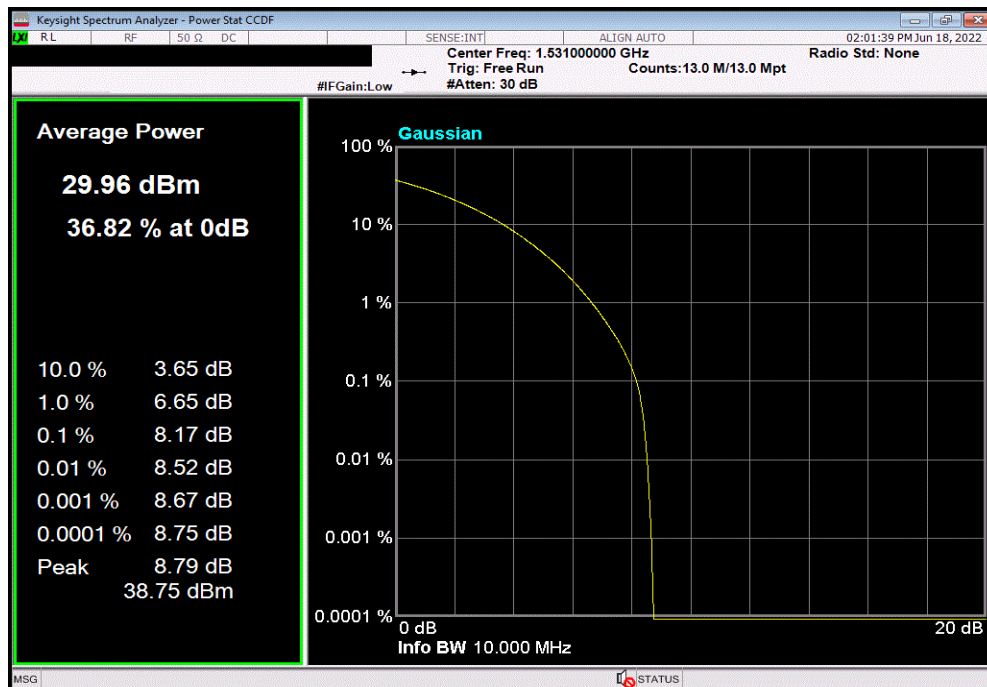


TbTx 2022.05.02.0 XMR 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 40 RB/12 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.31	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 52 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.17	N/A	N/A			



PEAK AND AVERAGE (PAPR) CCDF - 16dBi

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	AFN	2022-01-19	2023-01-19
Block - DC	Fairview Microwave	SD3235-2148	ANF	2022-05-27	2023-05-27
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17
Cable	UtiFlex Micro-Coax	UFD1150A-1-0720-200200	TXK	2021-09-13	2022-09-13

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 have a limit per part 25.

The PAPR measurement method is described in ANSI C63.26 section 5.2.3.4.

The PAPR was measured using the Complimentary Cumulative Distribution Function (CCDF) function of the spectrum analyzer.

Per ANSI a 0.1% of the time was used.

RF conducted emissions testing was performed only on one port. The Remote Radio Head (RRH) antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown during output power testing) and antenna port 3 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 AND AVERAGE (PAPR) CCDF - 16dBi



TMTx 2022.05.02.0 XMt 2022.02.07.0

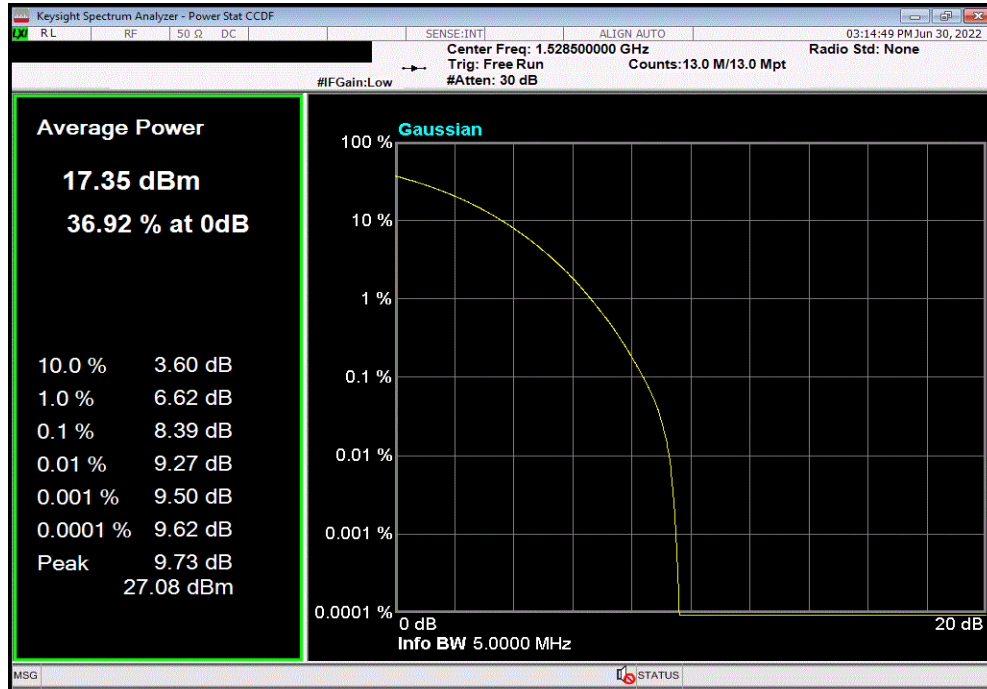
EUT: TR44KA Base Station		Work Order: MASY0006	
Serial Number: SV2146TR44KA000001		Date: 10-Aug-22	
Customer: Mavenir Systems, Inc		Temperature: 21.4 °C	
Attendees: None		Humidity: 55.5% RH	
Project: None		Barometric Pres.: 1019 mbar	
Tested by: Brandon Hobbs		Power: 48 VDC	Job Site: TX09
TEST SPECIFICATIONS		Test Method	
FCC 25:2022		ANSI C63.26:2015	
COMMENTS			
All conducted path losses were accounted for: cables, attenuators, adapters, DC block and notch filter. The PA gain was adjusted for a 16dBi antenna (Final software value of 29). All available Resource Block / Offset configurations were used for each bandwidth.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		0.1% Value (dB)	Limit (dB) Results
5G NR, Band n24, SCS 15kHz			
5 MHz Bandwidth			
QPSK Modulation			
Low Channel 1528.5 MHz			
25 RB/0 Offset		8.39	N/A N/A
High Channel 1533.5 MHz			
25 RB/0 Offset		8.40	N/A N/A
16-QAM Modulation			
Low Channel 1528.5 MHz			
25 RB/0 Offset		8.36	N/A N/A
High Channel 1533.5 MHz			
25 RB/0 Offset		8.34	N/A N/A
64-QAM Modulation			
Low Channel 1528.5 MHz			
25 RB/0 Offset		8.46	N/A N/A
High Channel 1533.5 MHz			
25 RB/0 Offset		8.47	N/A N/A
256-QAM Modulation			
Low Channel 1528.5 MHz			
25 RB/0 Offset		8.36	N/A N/A
High Channel 1533.5 MHz			
25 RB/0 Offset		8.35	N/A N/A
10 MHz Bandwidth			
QPSK Modulation			
Mid Channel 1531 MHz			
25 RB/0 Offset		8.36	N/A N/A
25 RB/13 Offset		8.37	N/A N/A
25 RB/27 Offset		8.37	N/A N/A
40 RB/0 Offset		8.39	N/A N/A
40 RB/6 Offset		8.35	N/A N/A
40 RB/12 Offset		8.41	N/A N/A
52 RB/0 Offset		8.35	N/A N/A
16-QAM Modulation			
Mid Channel 1531 MHz			
25 RB/0 Offset		8.35	N/A N/A
25 RB/13 Offset		8.36	N/A N/A
25 RB/27 Offset		8.36	N/A N/A
40 RB/0 Offset		8.40	N/A N/A
40 RB/6 Offset		8.30	N/A N/A
40 RB/12 Offset		8.39	N/A N/A
52 RB/0 Offset		8.43	N/A N/A
64-QAM Modulation			
Mid Channel 1531 MHz			
25 RB/0 Offset		8.50	N/A N/A
25 RB/13 Offset		8.48	N/A N/A
25 RB/27 Offset		8.49	N/A N/A
40 RB/0 Offset		8.37	N/A N/A
40 RB/6 Offset		8.31	N/A N/A
40 RB/12 Offset		8.34	N/A N/A
52 RB/0 Offset		8.38	N/A N/A
256-QAM Modulation			
Mid Channel 1531 MHz			
25 RB/0 Offset		8.40	N/A N/A
25 RB/13 Offset		8.36	N/A N/A
25 RB/27 Offset		8.38	N/A N/A
40 RB/0 Offset		8.31	N/A N/A
40 RB/6 Offset		8.35	N/A N/A
40 RB/12 Offset		8.31	N/A N/A
52 RB/0 Offset		8.36	N/A N/A

PEAK AND AVERAGE (PAPR) CCDF - 16dBi

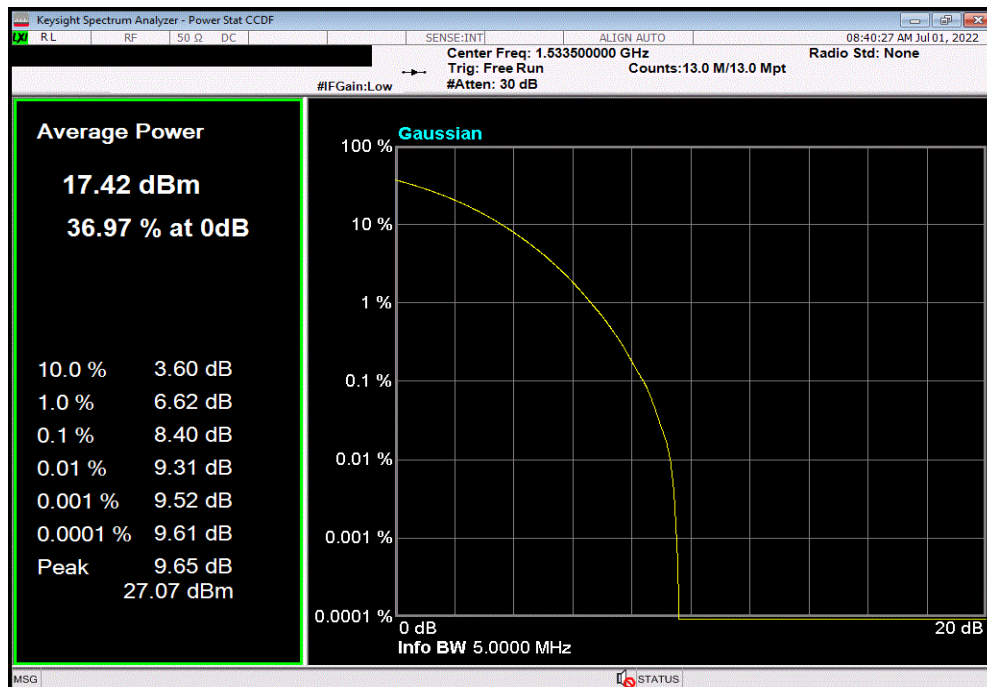


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, QPSK Modulation, Low Channel 1528.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.39	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, QPSK Modulation, High Channel 1533.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.4	N/A	N/A			

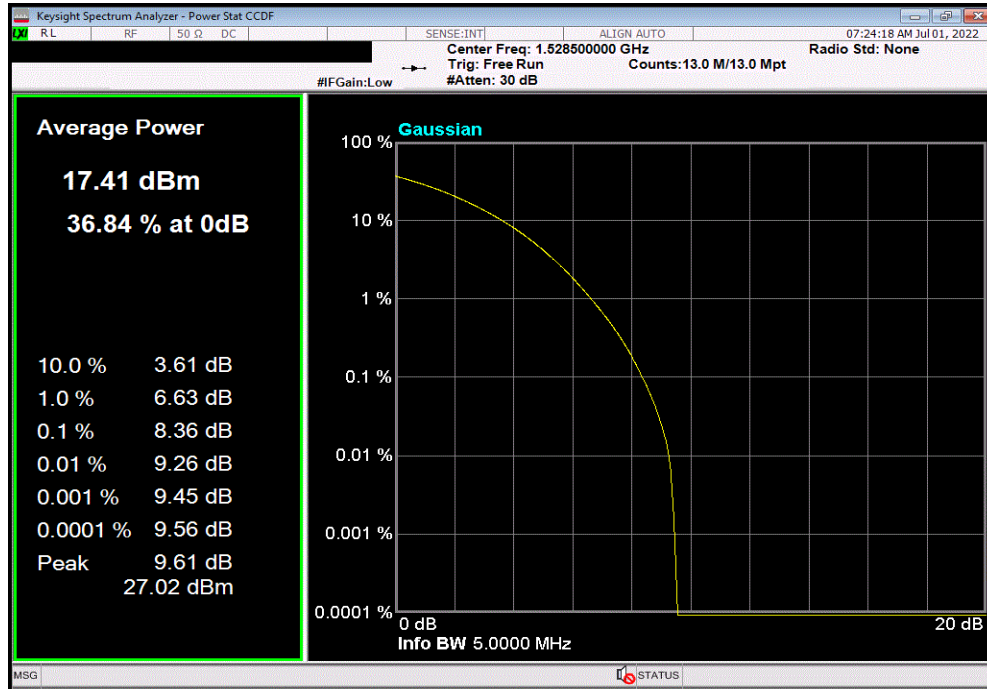


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

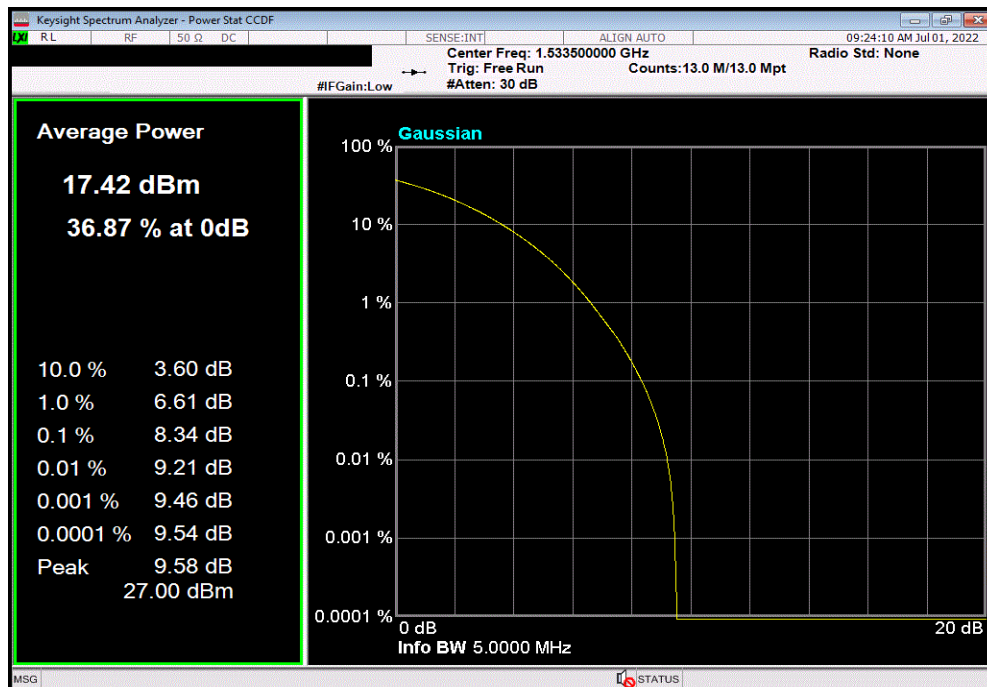


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel 1528.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.36	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 16-QAM Modulation, High Channel 1533.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.34	N/A	N/A			

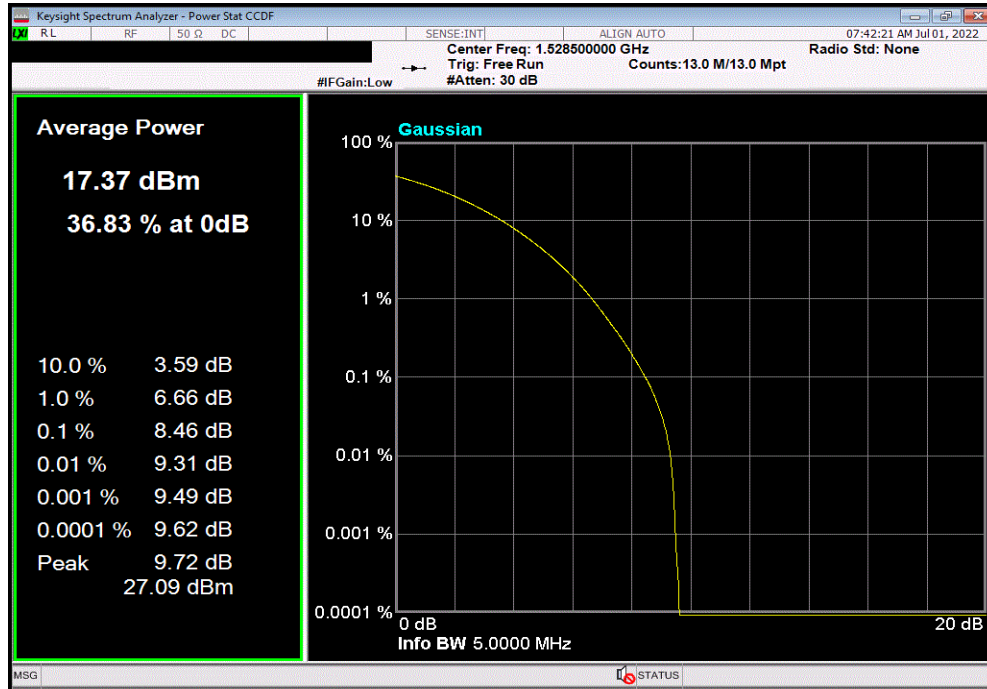


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

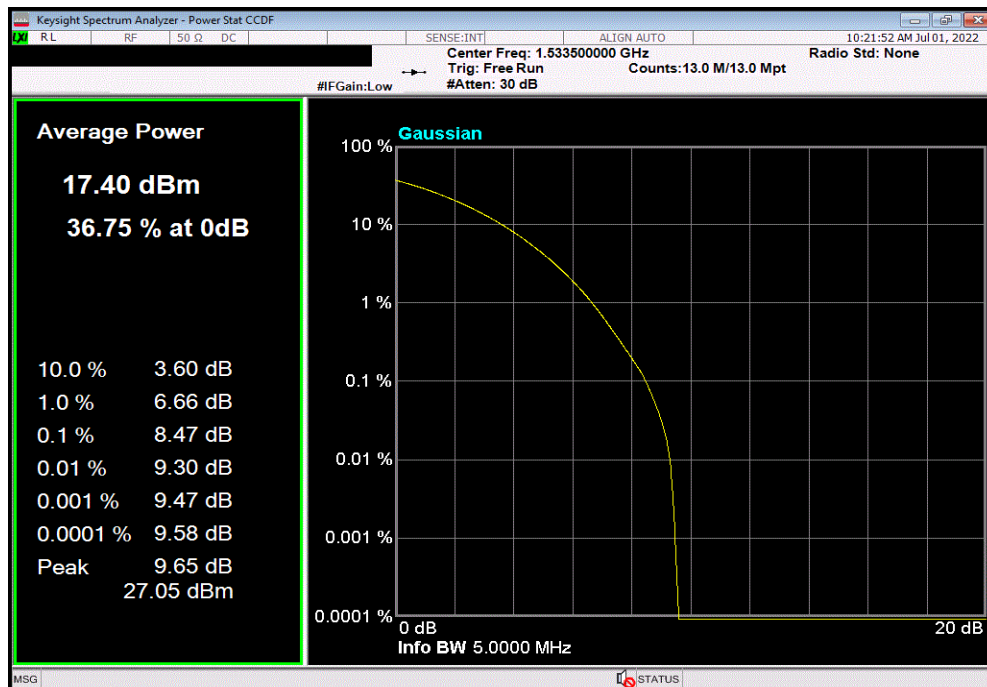


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel 1528.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.46	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 64-QAM Modulation, High Channel 1533.5 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.47	N/A	N/A			

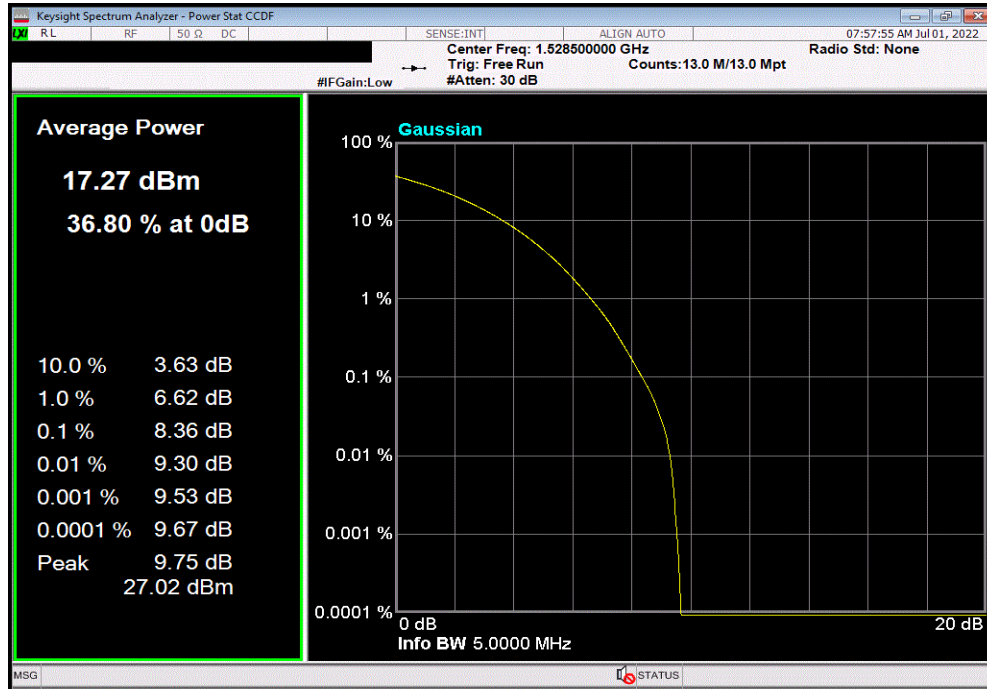


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

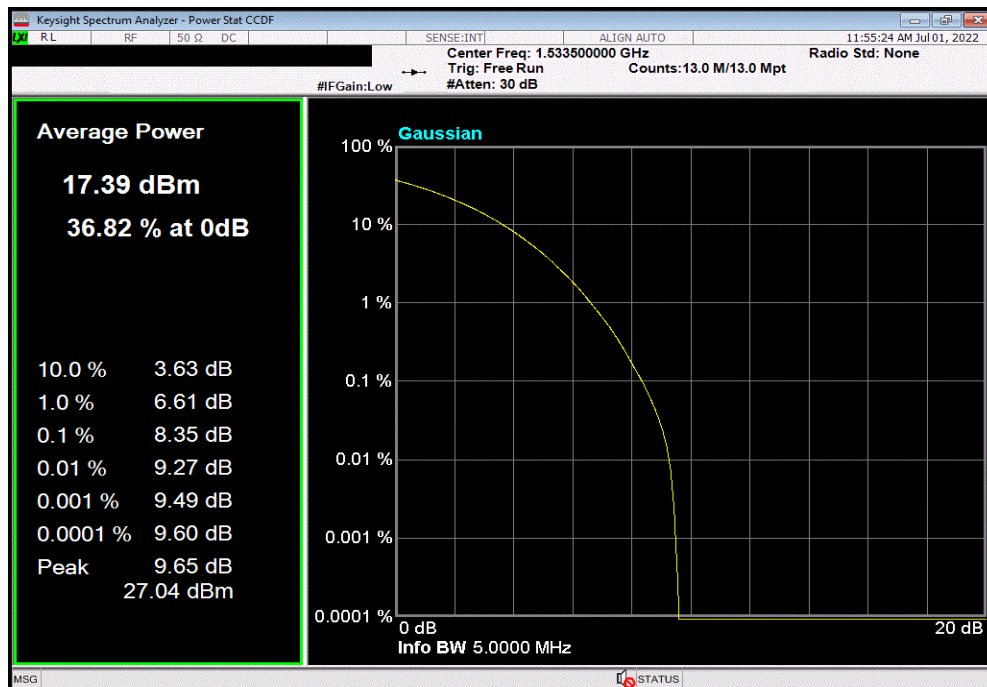


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel 1528.5 MHz, 25 RB/0 Offset						
	0.1%		Limit		Results	
	Value (dB)		(dB)			
	8.36		N/A		N/A	



5G NR, Band n24, SCS 15kHz, 5 MHz Bandwidth, 256-QAM Modulation, High Channel 1533.5 MHz, 25 RB/0 Offset						
	0.1%		Limit		Results	
	Value (dB)		(dB)			
	8.35		N/A		N/A	

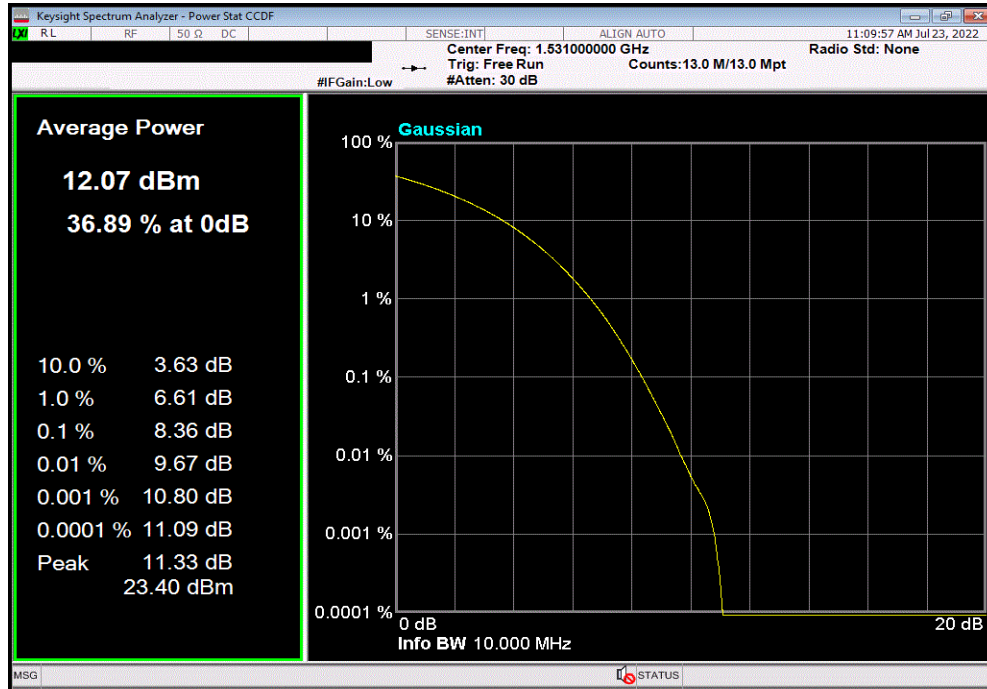


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

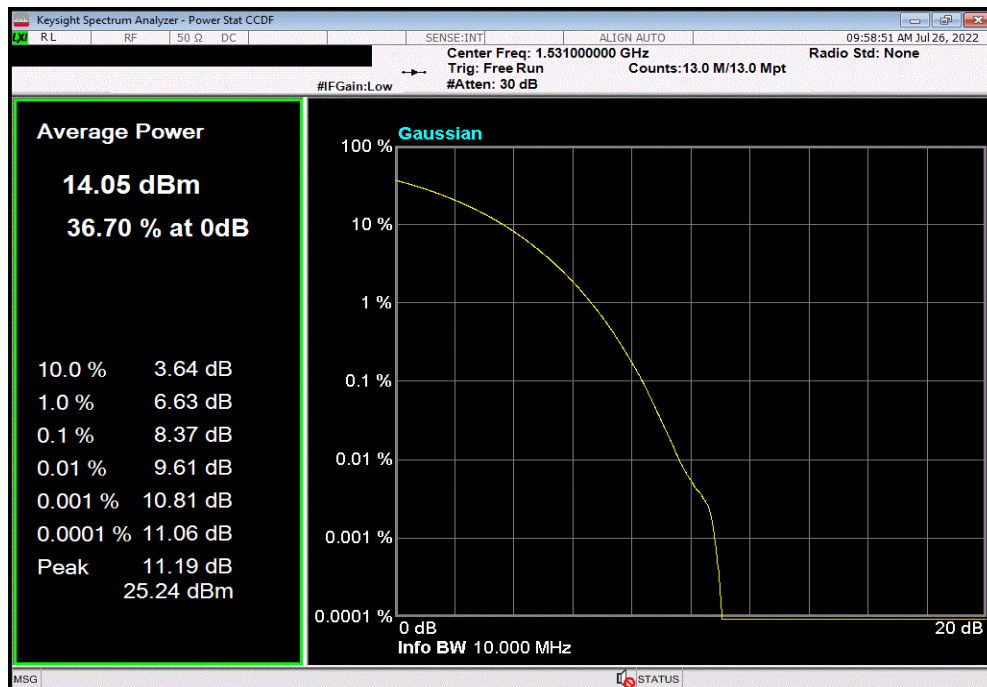


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.36	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 25 RB/13 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.37	N/A	N/A			

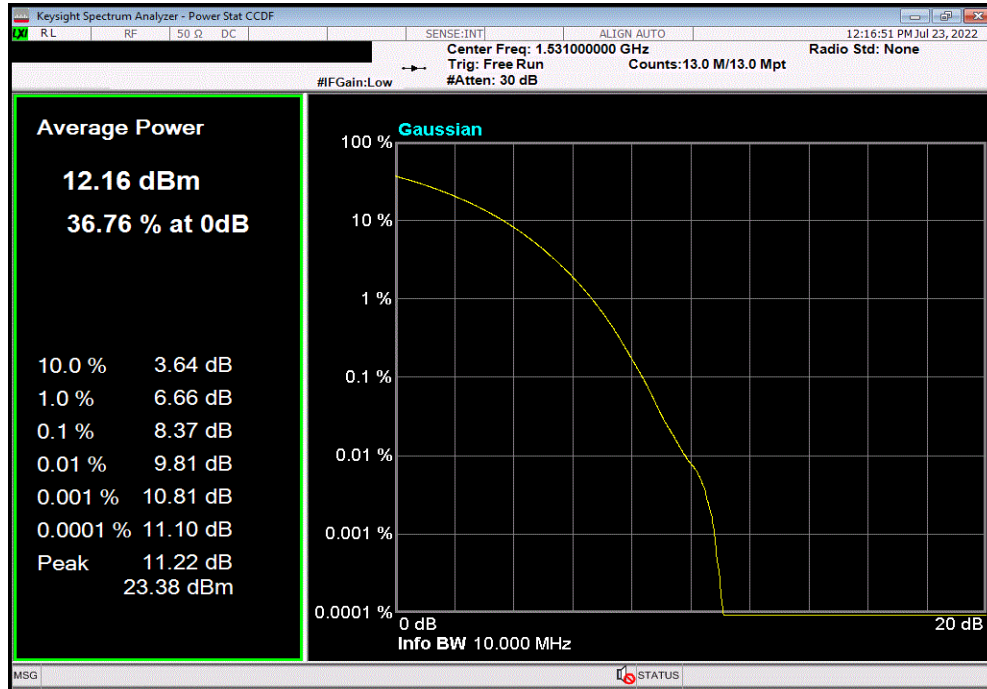


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

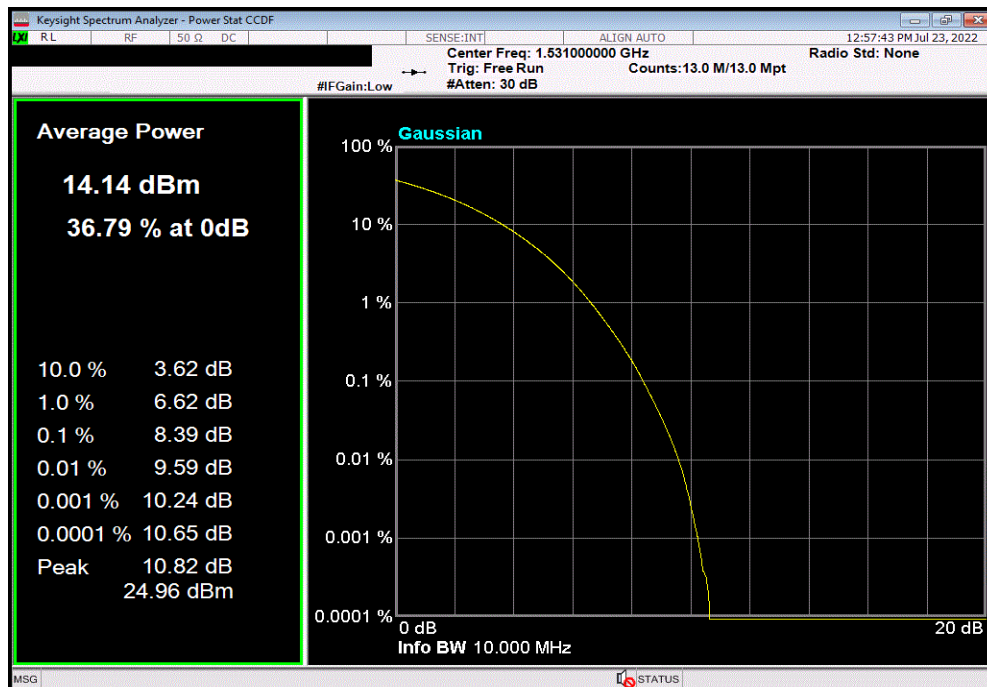


TbTx 2022.05.02.0 XMR 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 25 RB/27 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.37	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 40 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.39	N/A	N/A			

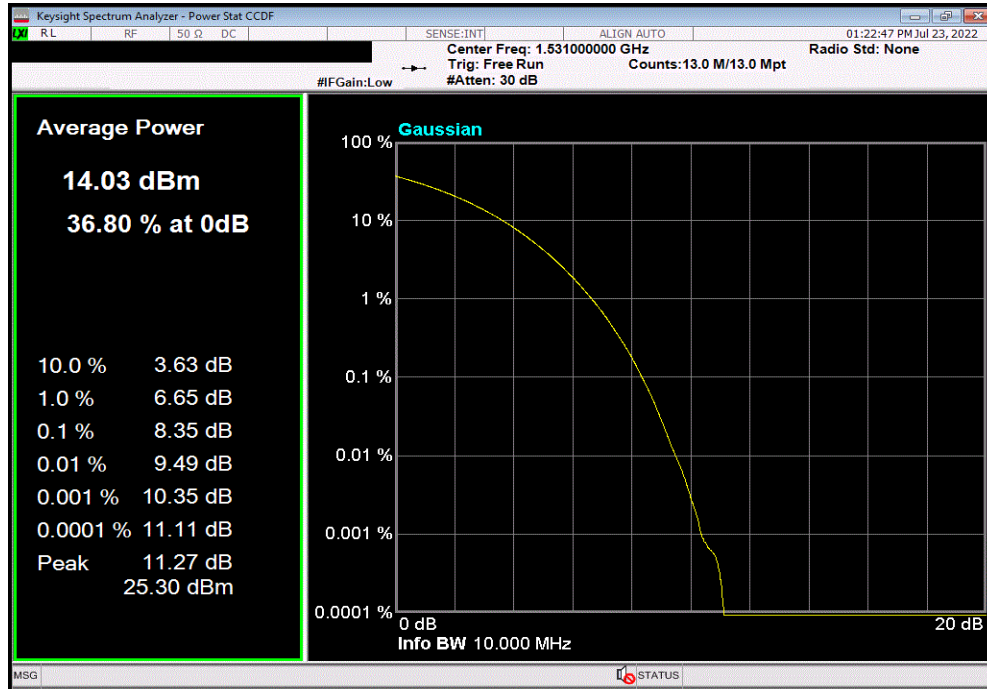


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

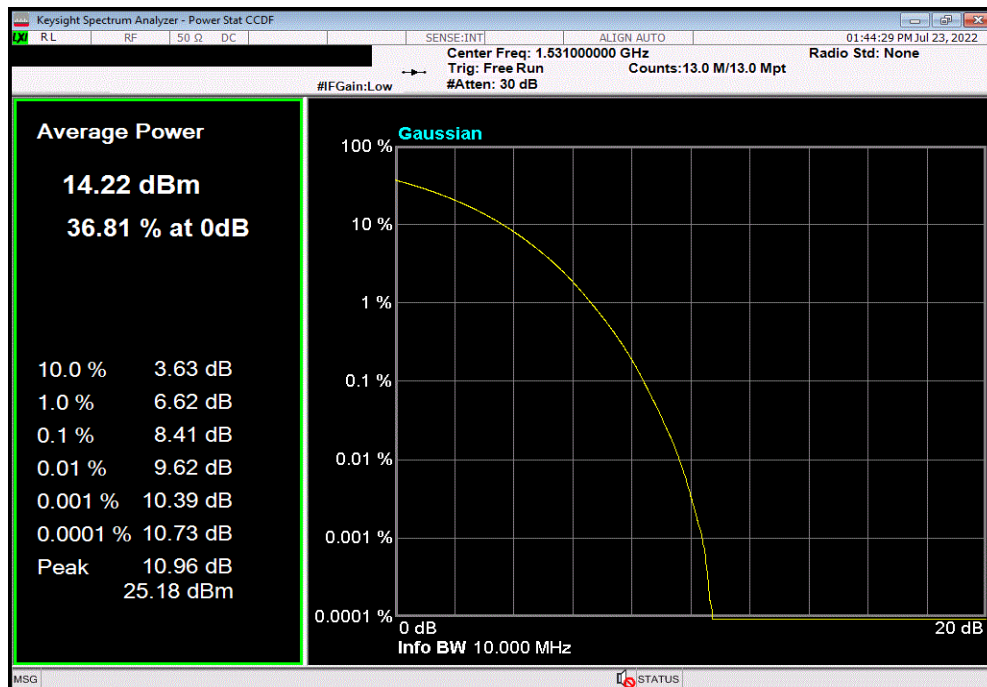


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 40 RB/6 Offset						
				0.1%	Limit	
				Value (dB)	(dB)	Results
				8.35	N/A	N/A



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 40 RB/12 Offset						
				0.1%	Limit	
				Value (dB)	(dB)	Results
				8.41	N/A	N/A

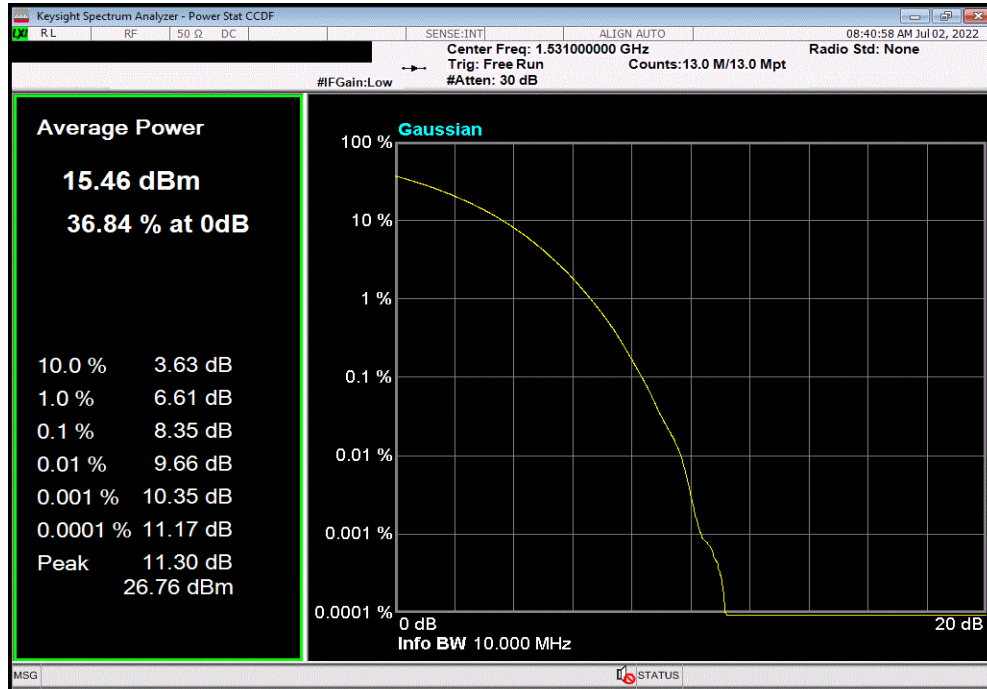


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

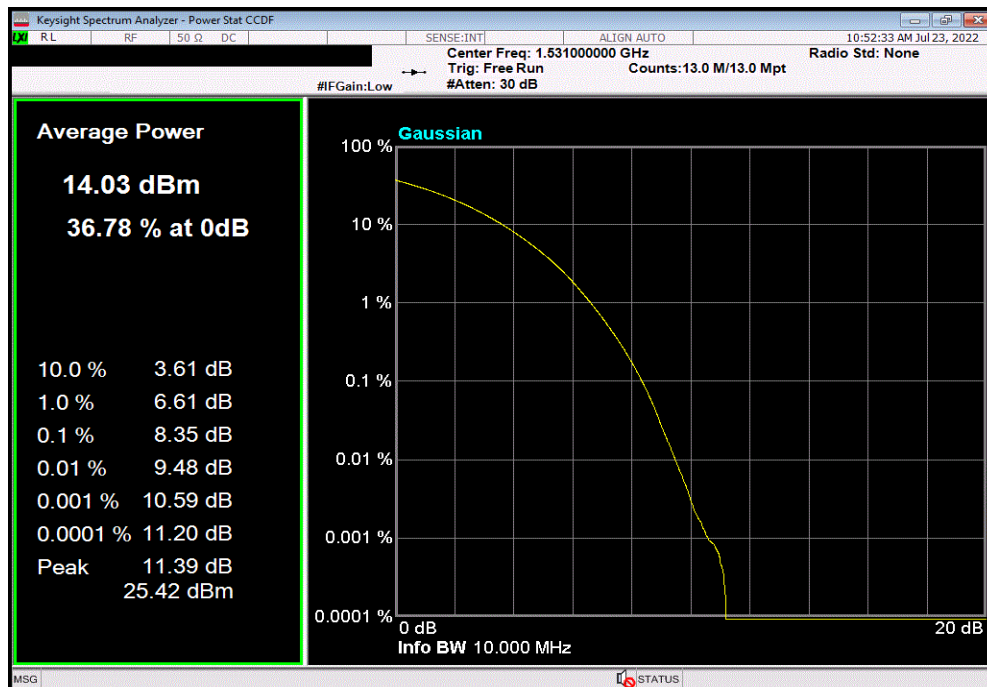


TbTx 2022.05.02.0 XMR 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1531 MHz, 52 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.35	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.35	N/A	N/A			

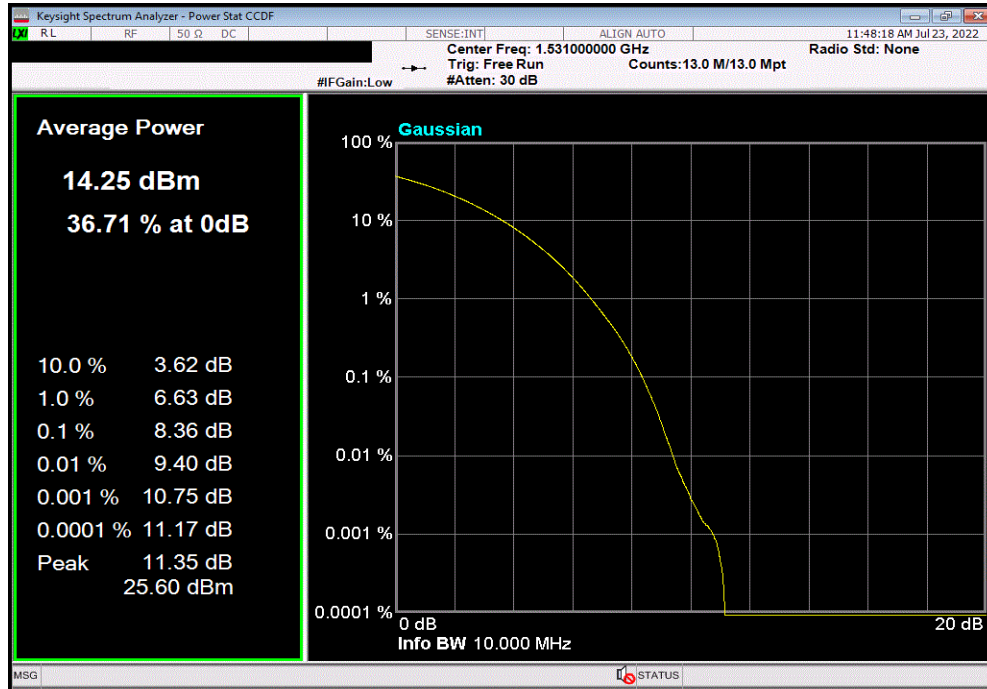


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

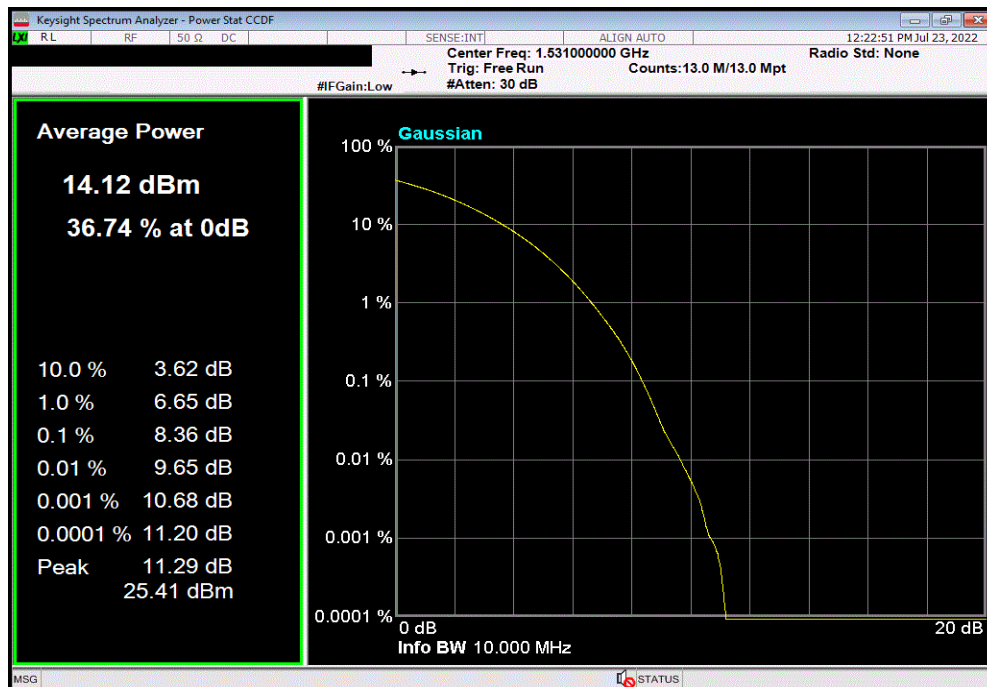


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 25 RB/13 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.36	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 25 RB/27 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.36	N/A	N/A			

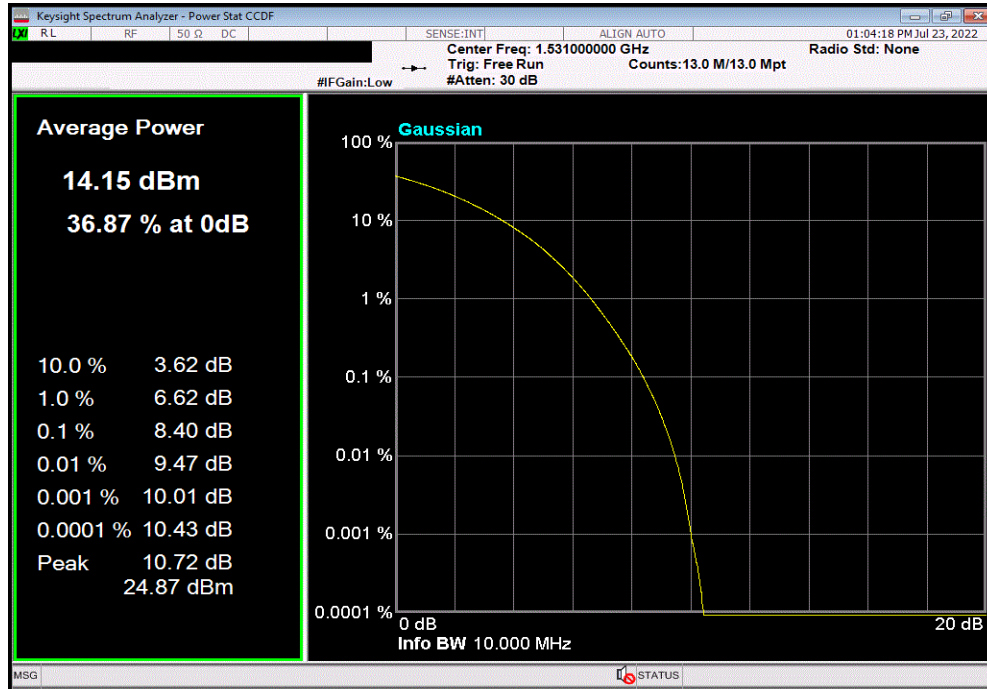


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

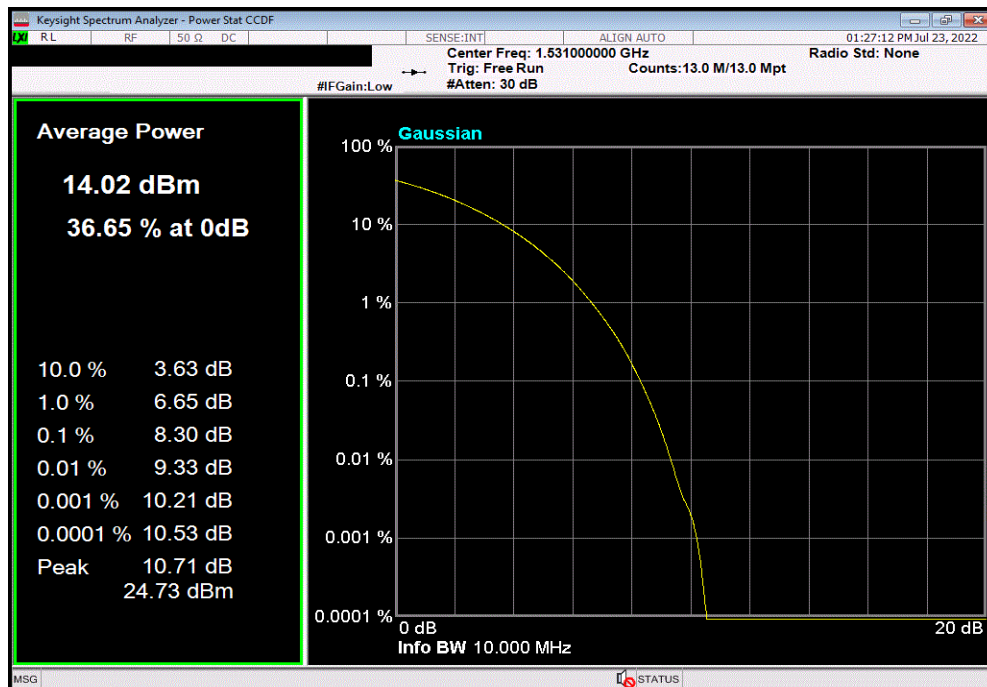


TMTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 40 RB/0 Offset						
				0.1%	Limit	
				Value (dB)	(dB)	Results
				8.4	N/A	N/A



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 40 RB/6 Offset						
				0.1%	Limit	
				Value (dB)	(dB)	Results
				8.3	N/A	N/A

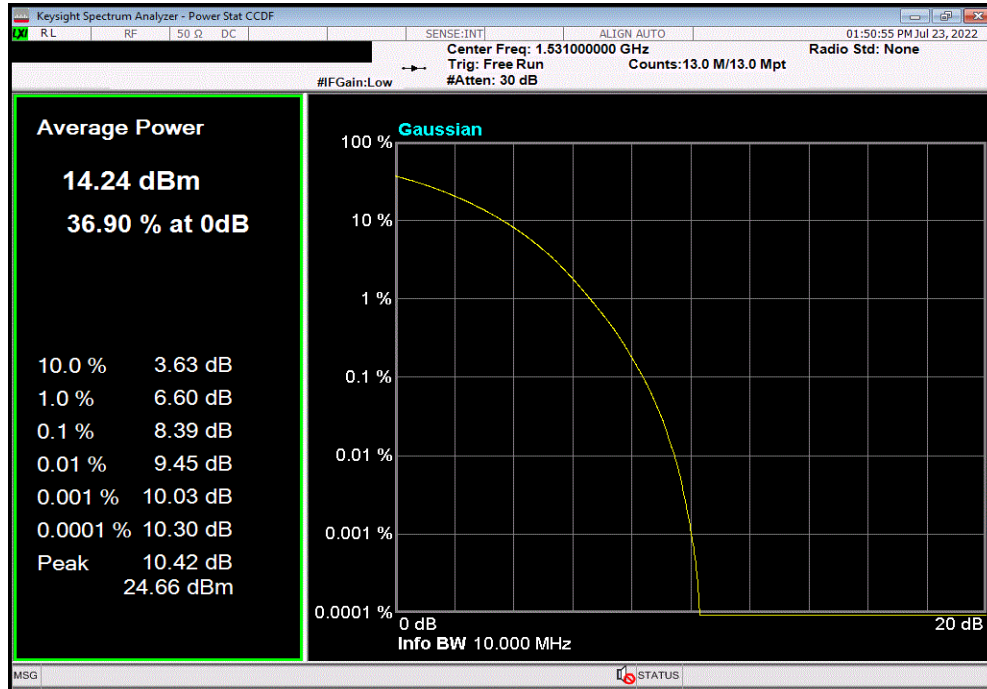


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

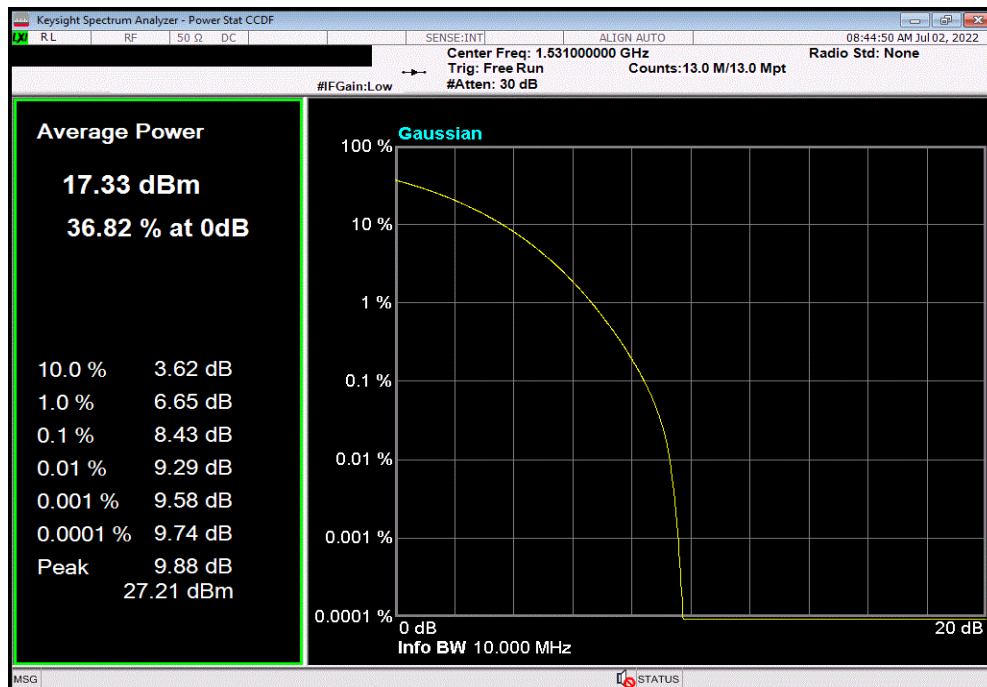


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 40 RB/12 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.39	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1531 MHz, 52 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.43	N/A	N/A			

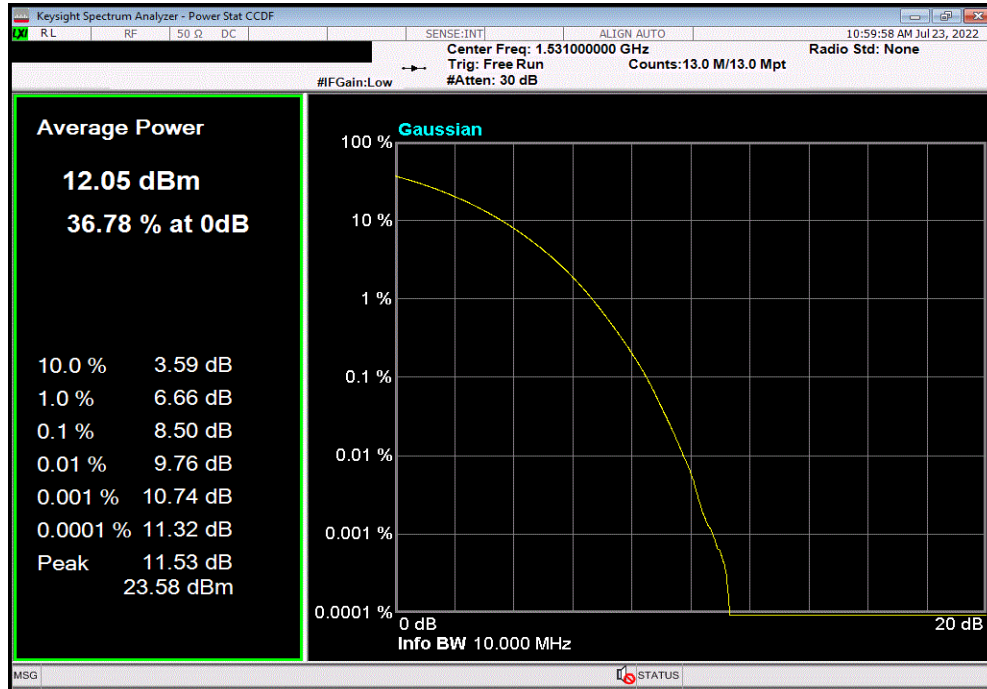


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

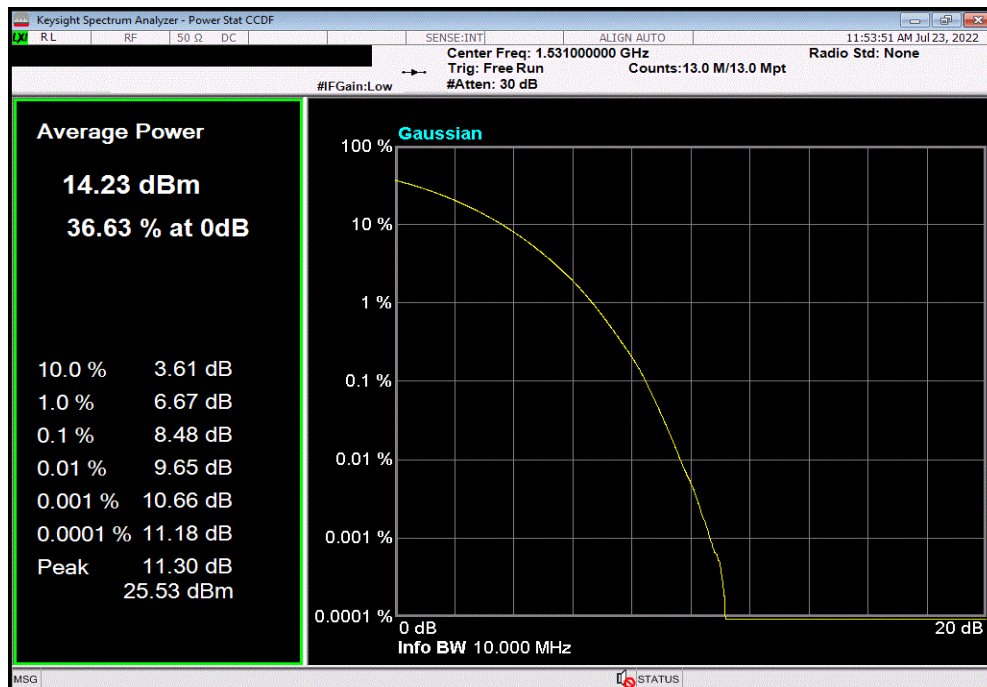


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.5	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 25 RB/13 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.48	N/A	N/A			

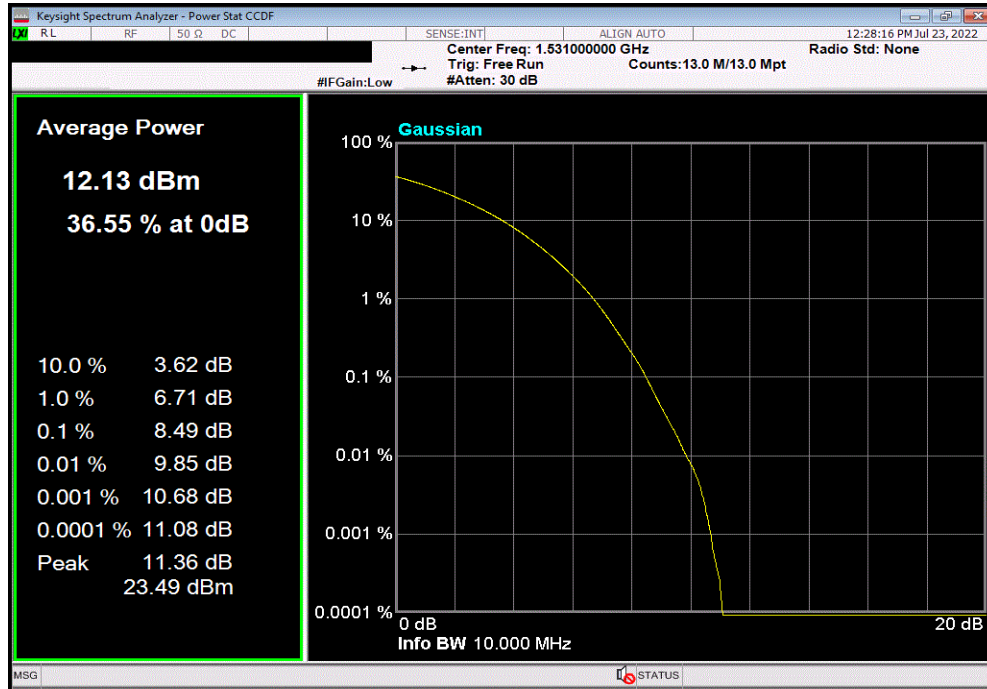


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

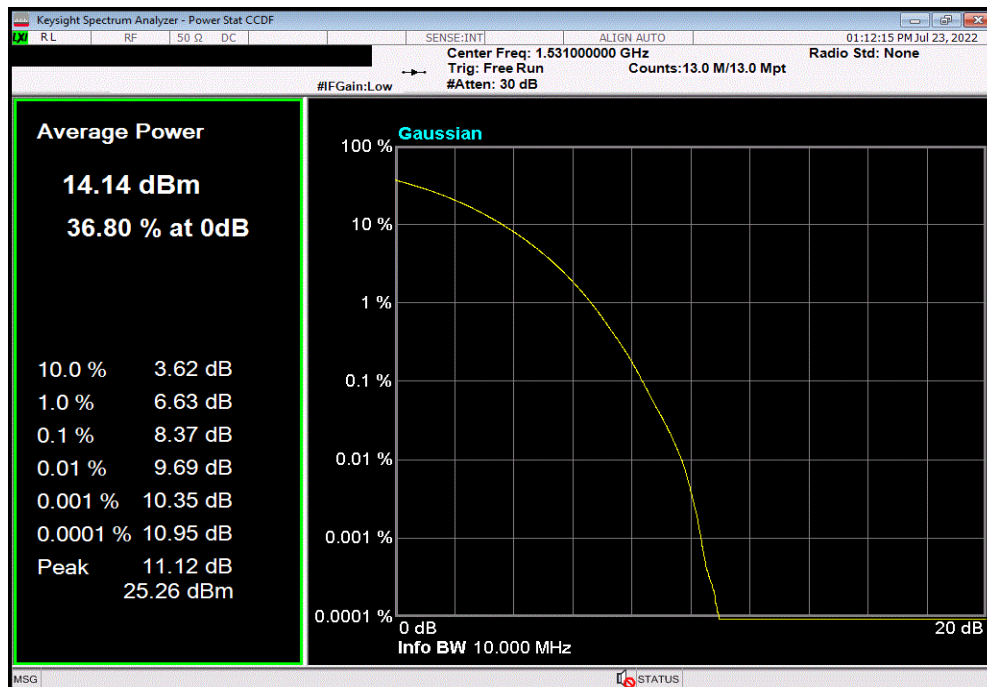


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 25 RB/27 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.49	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 40 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.37	N/A	N/A			

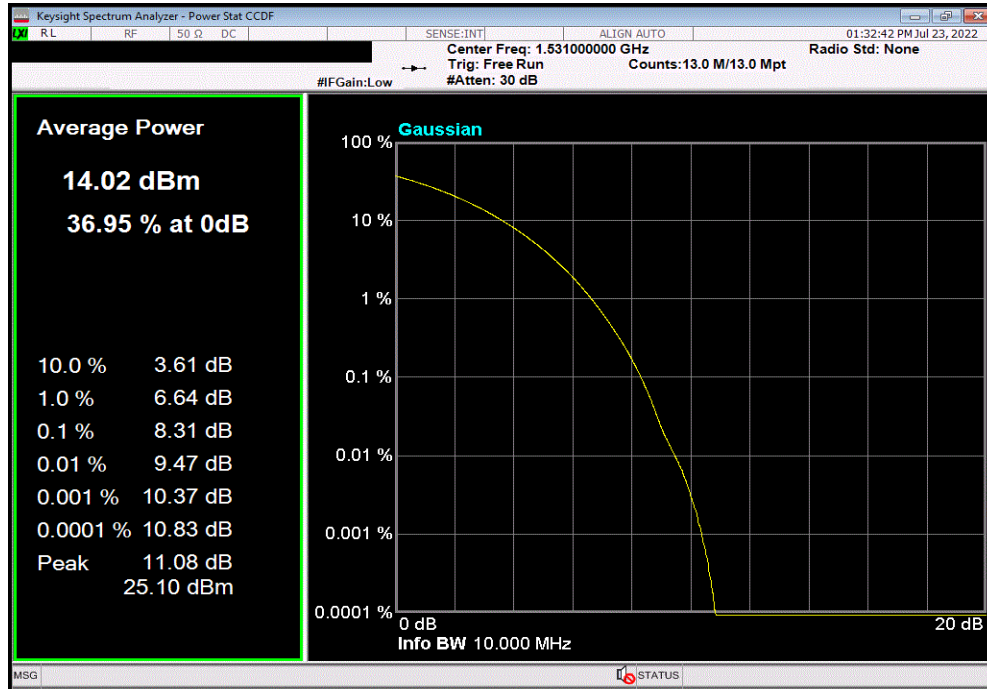


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

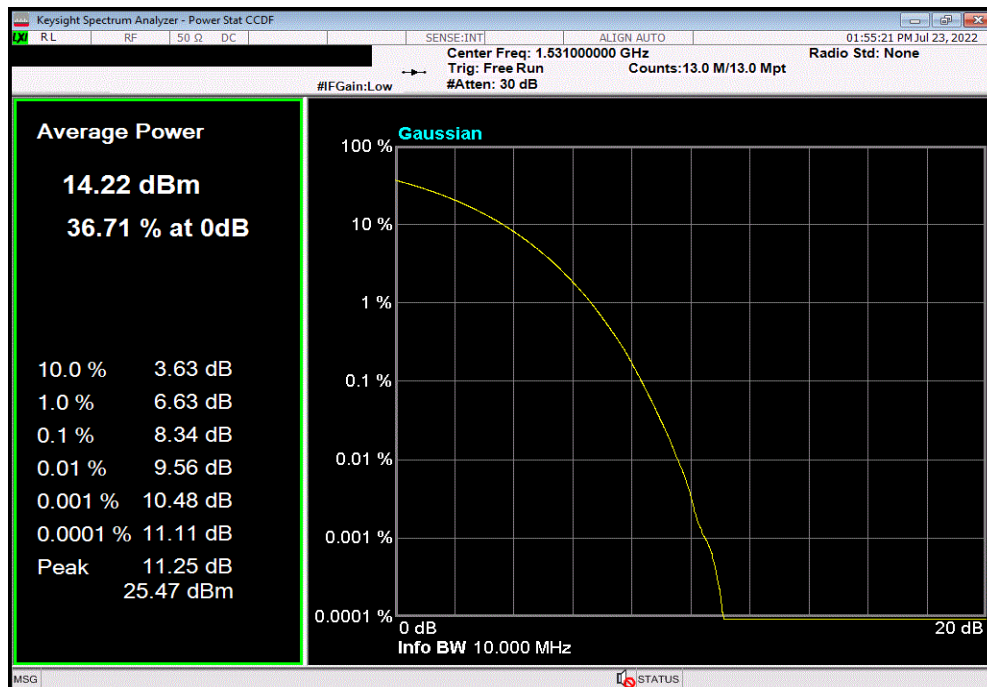


TMTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 40 RB/6 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.31	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 40 RB/12 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.34	N/A	N/A			

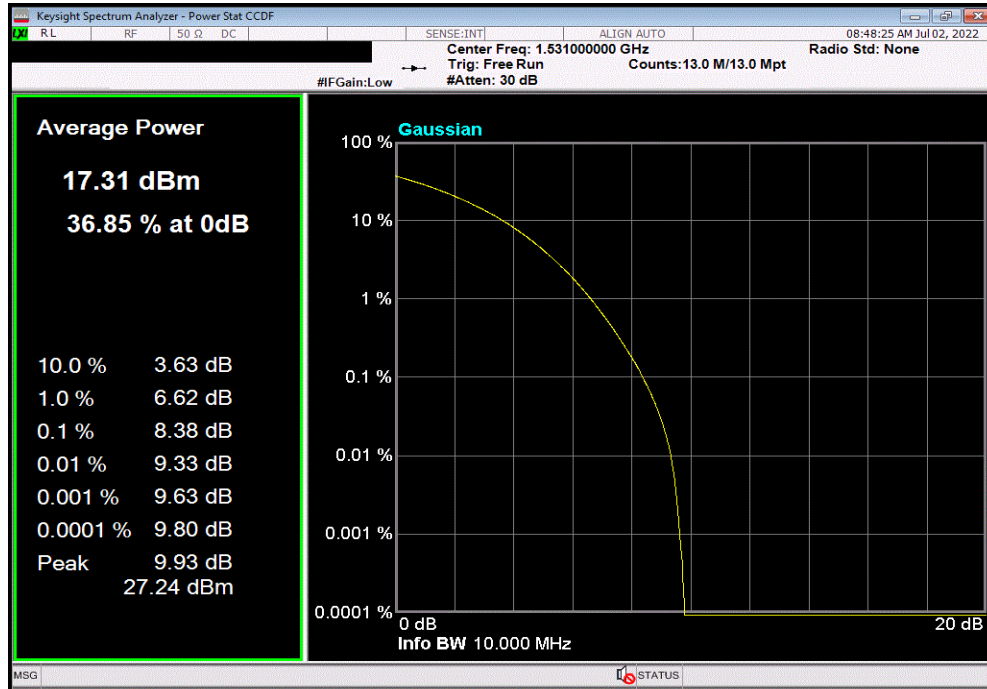


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

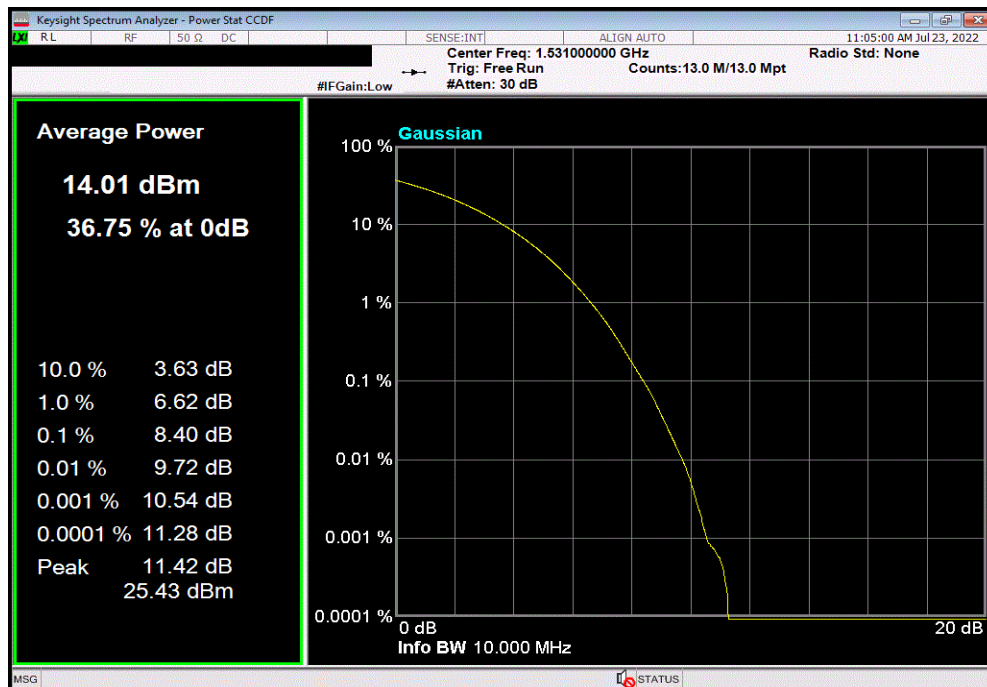


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1531 MHz, 52 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.38	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 25 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.4	N/A	N/A			

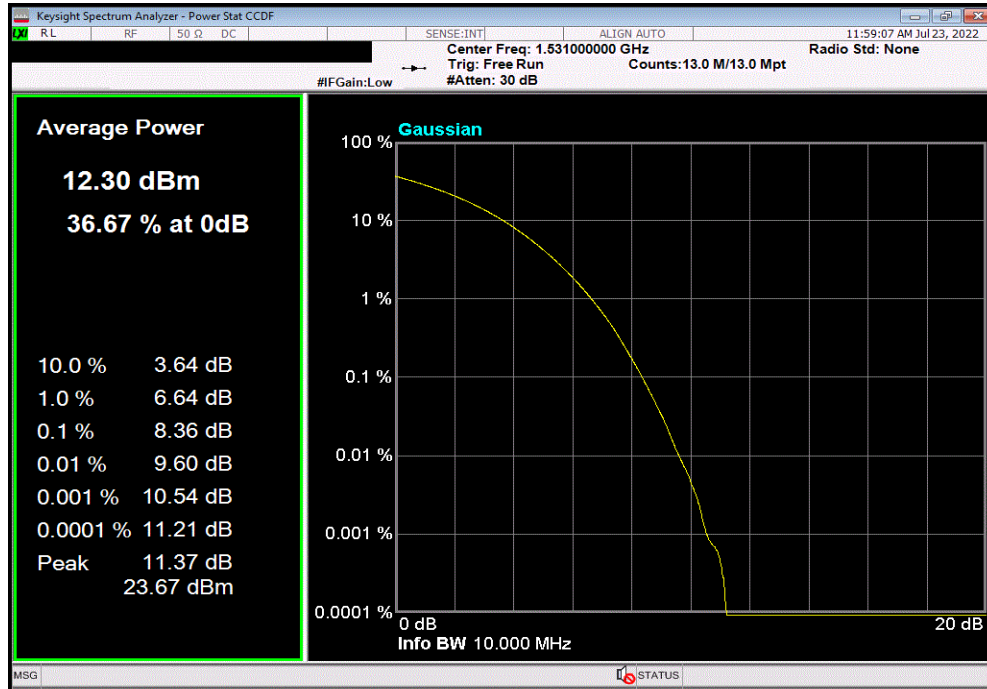


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

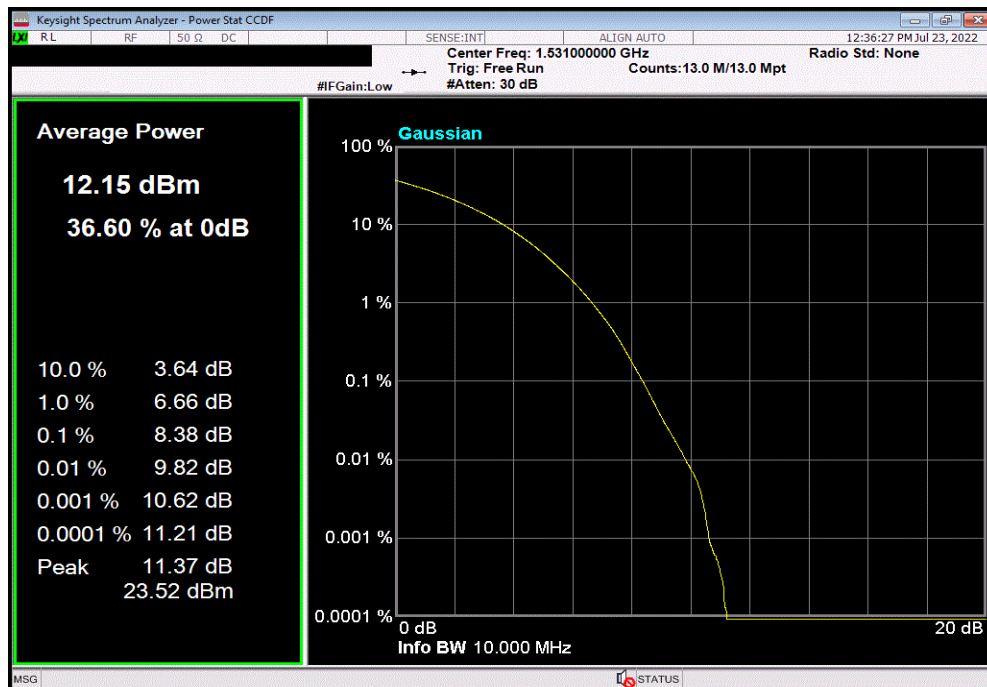


TbTx 2022.05.02.0 XMR 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 25 RB/13 Offset						
				0.1% Value (dB)	Limit (dB)	Results
				8.36	N/A	N/A



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 25 RB/27 Offset						
				0.1% Value (dB)	Limit (dB)	Results
				8.38	N/A	N/A

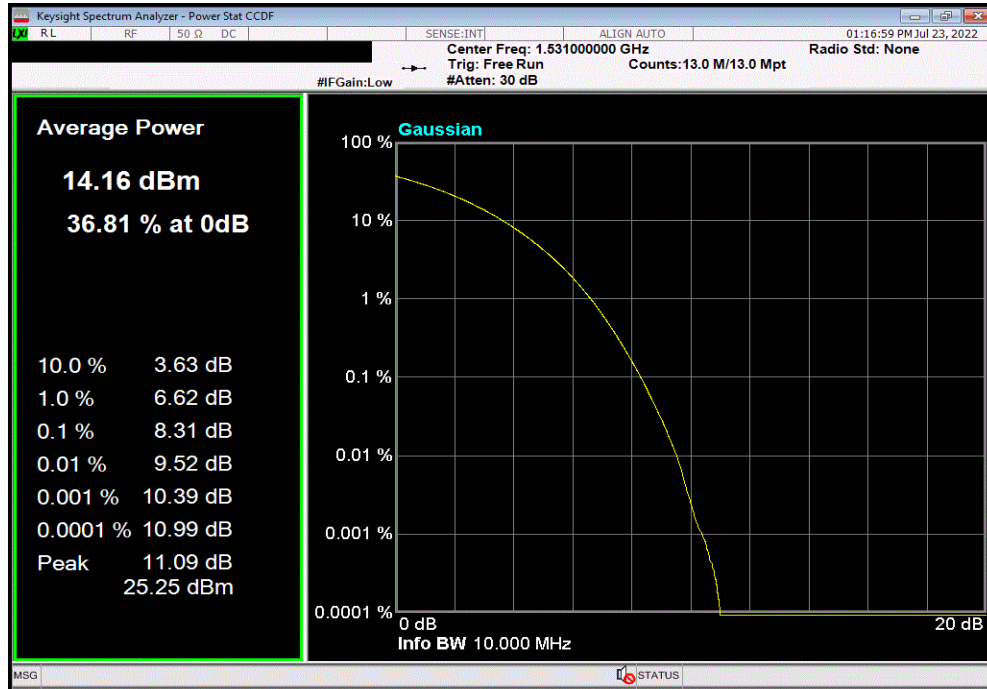


PEAK AND AVERAGE (PAPR) CCDF - 16dBi

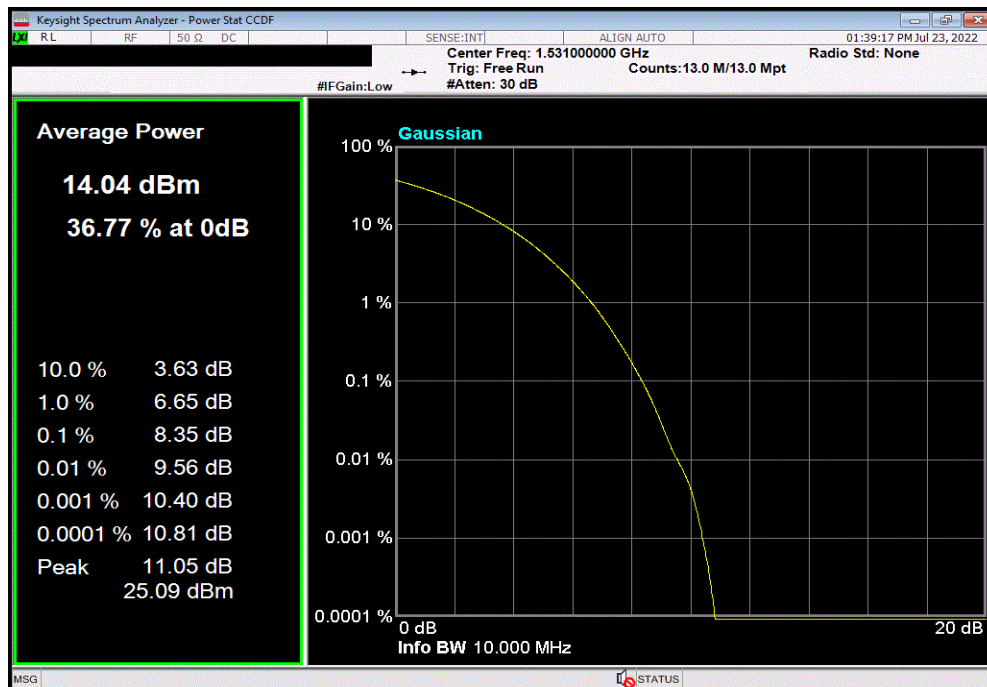


TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 40 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.31	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 40 RB/6 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.35	N/A	N/A			

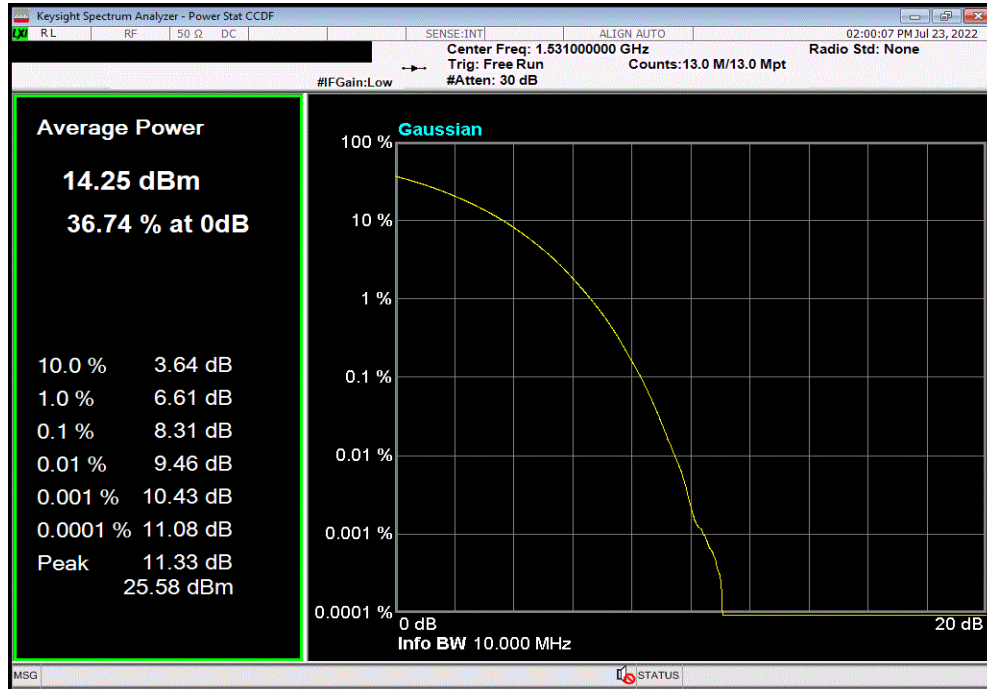


PEAK AND AVERAGE (PAPR) CCDF - 16dBi



TbTx 2022.05.02.0 XMt 2022.02.07.0

5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 40 RB/12 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.31	N/A	N/A			



5G NR, Band n24, SCS 15kHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1531 MHz, 52 RB/0 Offset						
	0.1%	Limit				
	Value (dB)	(dB)	Results			
	8.36	N/A	N/A			

