

PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



XMIT 2020.03.25.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	27-Feb-20	27-Feb-21
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. 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 13 dB.

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.

PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



XMIT 2020.03.25.0

EUT: Aircscale Base Transceiver Station Remote Radio Head Model AHLBBA		Work Order: NOKI0013
Serial Number: K9193514835		Date: 23-Mar-20
Customer: Nokia Solutions and Networks		Temperature: 24.7 °C
Attendees: Mitch Hill, John Rattanaovong		Humidity: 36.3% RH
Project: None		Barometric Pres.: 1024 mbar
Tested by: Brandon Hobbs	Power: 54 VDC	Job Site: TX03
TEST SPECIFICATIONS		
FCC 27:2020		Test Method
RSS-130:2019		ANSI C63.26:2015
COMMENTS		RSS-130:2019
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. The hottest port per power amplifier (PA) was used for testing. Measured only the affected channels in each extended band. The worst case port was determined in the original client provided test report. The carrier power was set to maximum for all testing.		
DEVIATIONS FROM TEST STANDARD		
None		
Configuration #	2,6	Signature
		PAPR Value (dB) Limit (dB) Result
Band 12, 729 MHz - 745 MHz, LTE		
Port 1		
5 MHz Bandwidth		
QPSK Modulation		
High Channel, 742.5 MHz		7.69 13 Pass
16-QAM Modulation		
High Channel, 742.5 MHz		7.71 13 Pass
64-QAM Modulation		
High Channel, 742.5 MHz		7.71 13 Pass
256-QAM Modulation		
High Channel, 742.5 MHz		7.71 13 Pass
10 MHz Bandwidth		
QPSK Modulation		
High Channel, 740 MHz		7.70 13 Pass
16-QAM Modulation		
High Channel, 740 MHz		7.69 13 Pass
64-QAM Modulation		
High Channel, 740 MHz		7.70 13 Pass
256-QAM Modulation		
High Channel, 740 MHz		7.69 13 Pass
Port 2		
5 MHz Bandwidth		
QPSK Modulation		
High Channel, 742.5 MHz		6.70 13 Pass
16-QAM Modulation		
High Channel, 742.5 MHz		6.71 13 Pass
64-QAM Modulation		
High Channel, 742.5 MHz		6.70 13 Pass
256-QAM Modulation		
High Channel, 742.5 MHz		6.71 13 Pass
10 MHz Bandwidth		
QPSK Modulation		
High Channel, 740 MHz		6.73 13 Pass
16-QAM Modulation		
High Channel, 740 MHz		6.73 13 Pass
64-QAM Modulation		
High Channel, 740 MHz		6.74 13 Pass
256-QAM Modulation		
High Channel, 740 MHz		6.74 13 Pass
Band 29, 717 MHz - 728 MHz, LTE		
Port 1		
5 MHz Bandwidth		
QPSK Modulation		
Low Channel, 719.5 MHz		8.03 13 Pass
16-QAM Modulation		
Low Channel, 719.5 MHz		8.03 13 Pass
64-QAM Modulation		
Low Channel, 719.5 MHz		8.05 13 Pass
256-QAM Modulation		
Low Channel, 719.5 MHz		8.09 13 Pass
10 MHz Bandwidth		
QPSK Modulation		
Low Channel, 722 MHz		8.15 13 Pass
16-QAM Modulation		
Low Channel, 722 MHz		8.16 13 Pass
64-QAM Modulation		
Low Channel, 722 MHz		8.19 13 Pass
256-QAM Modulation		
Low Channel, 722 MHz		8.18 13 Pass

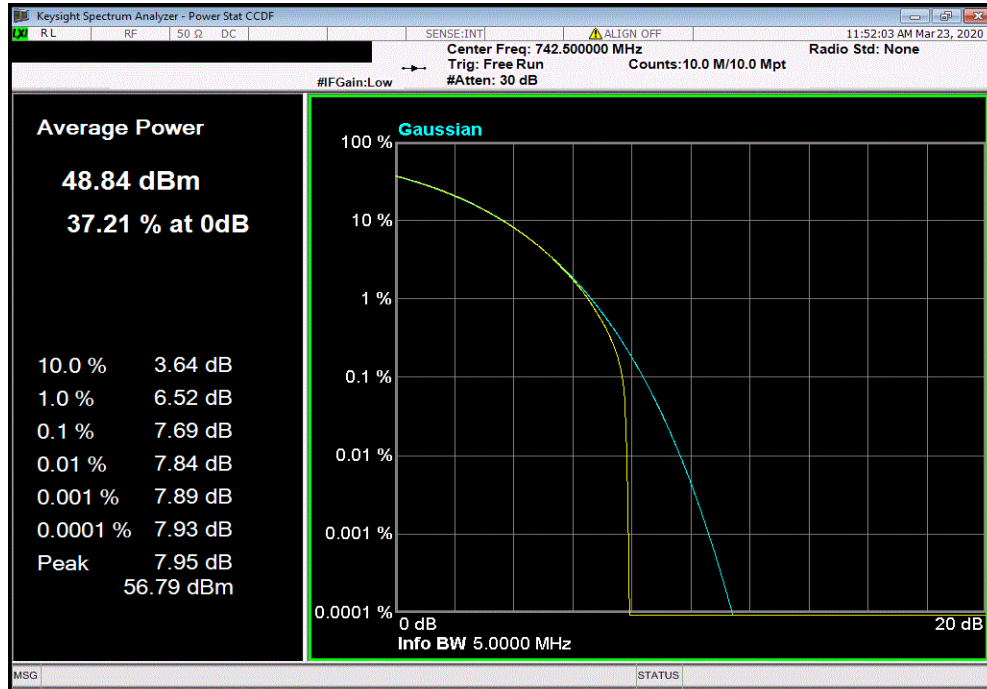
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



XMR 2020.03.25.0

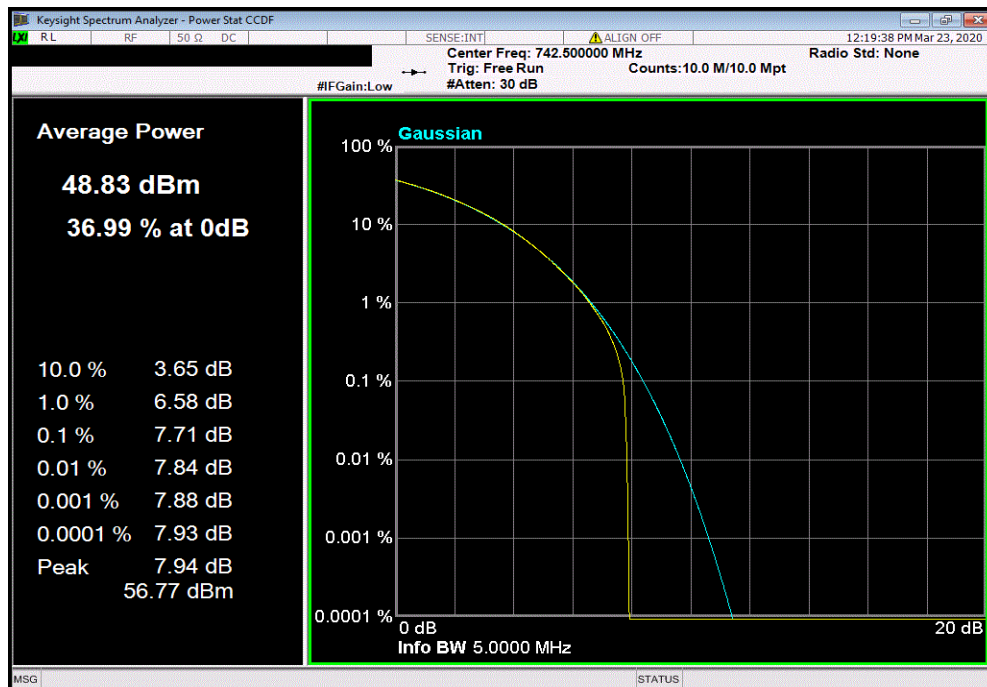
Band 12, 729 MHz - 745 MHz, LTE, Port 1, 5 MHz Bandwidth, QPSK Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.69	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.71	13	Pass



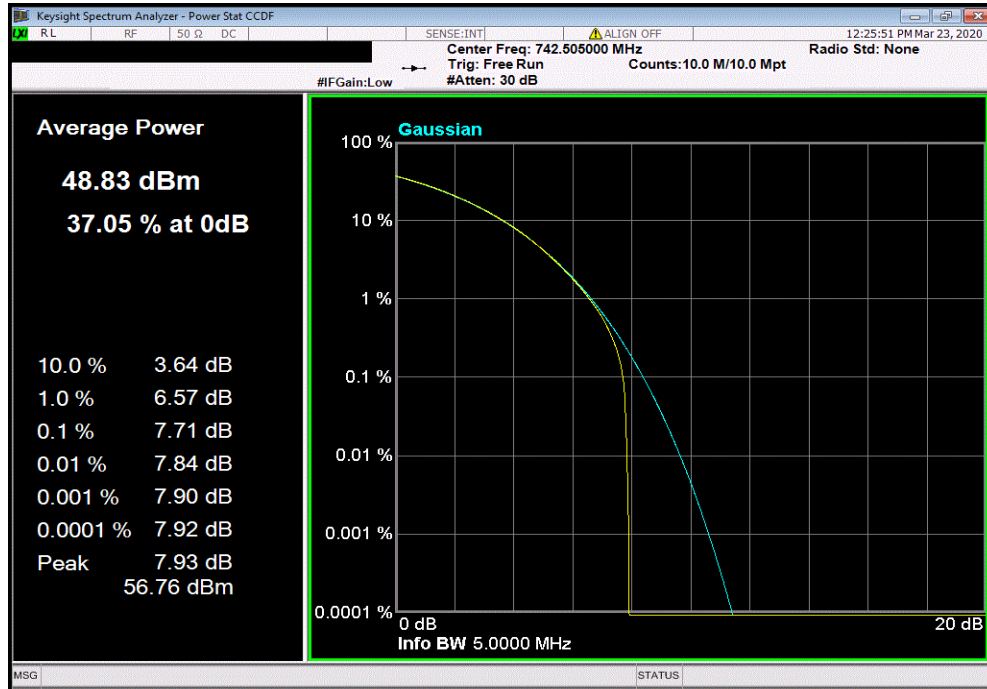
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



XMR 2020.03.25.0

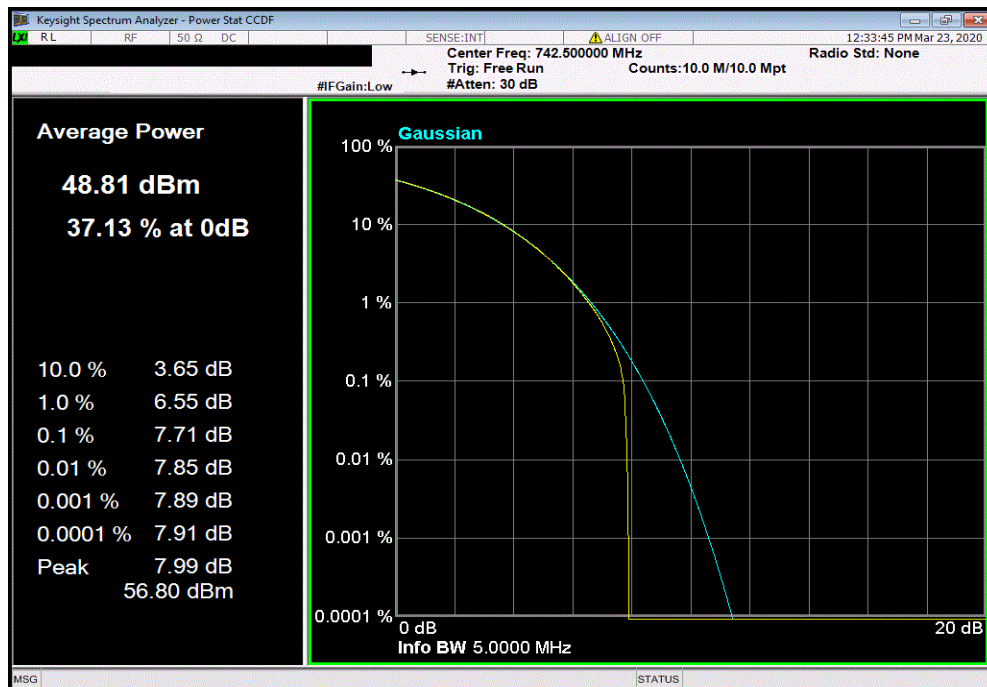
Band 12, 729 MHz - 745 MHz, LTE, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.71	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.71	13	Pass



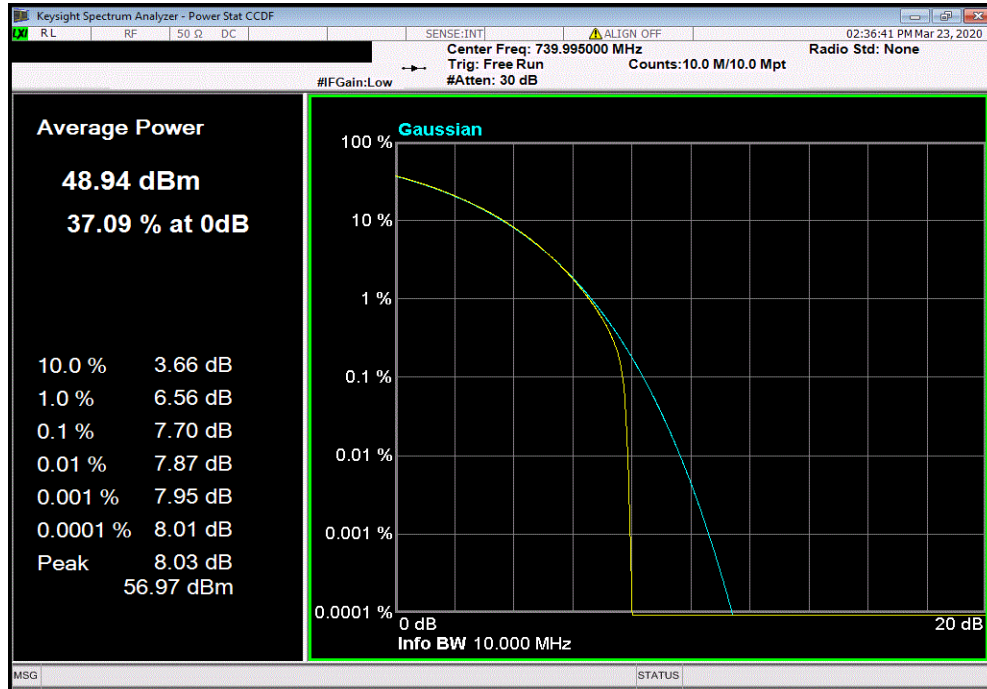
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



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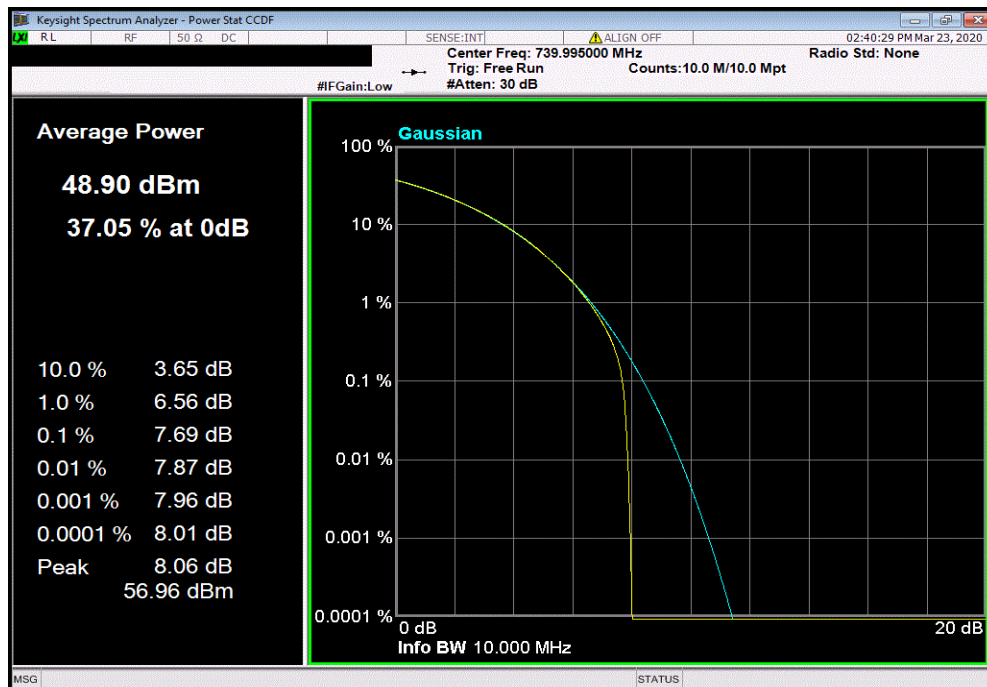
Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 740 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.7	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 740 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.69	13	Pass



PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



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Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 740 MHz

PAPR

Value (dB)

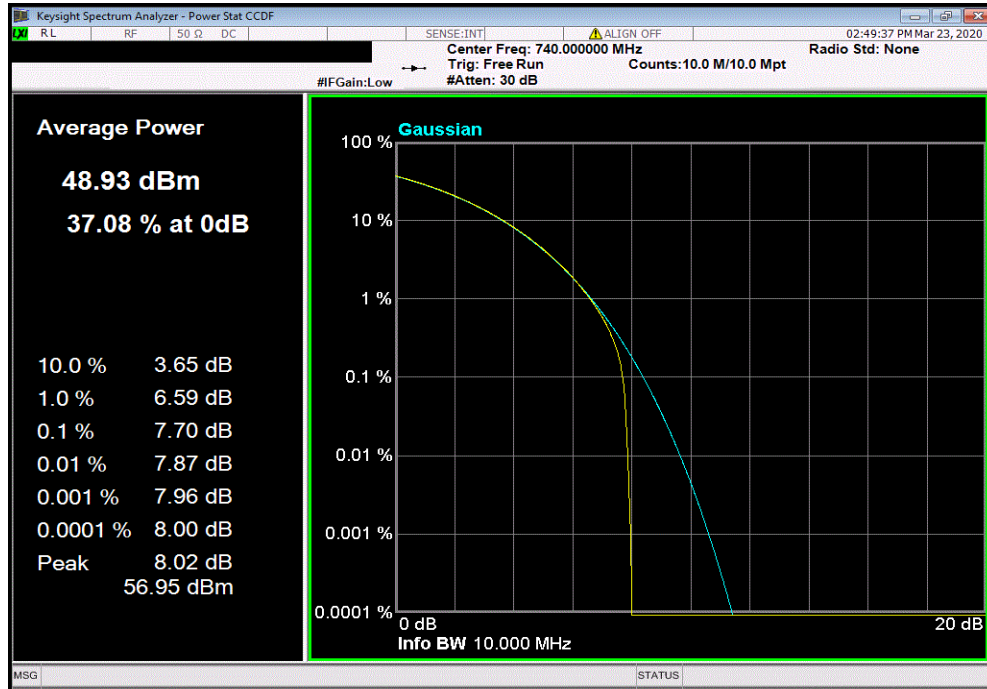
Limit (dB)

Result

7.7

13

Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 740 MHz

PAPR

Value (dB)

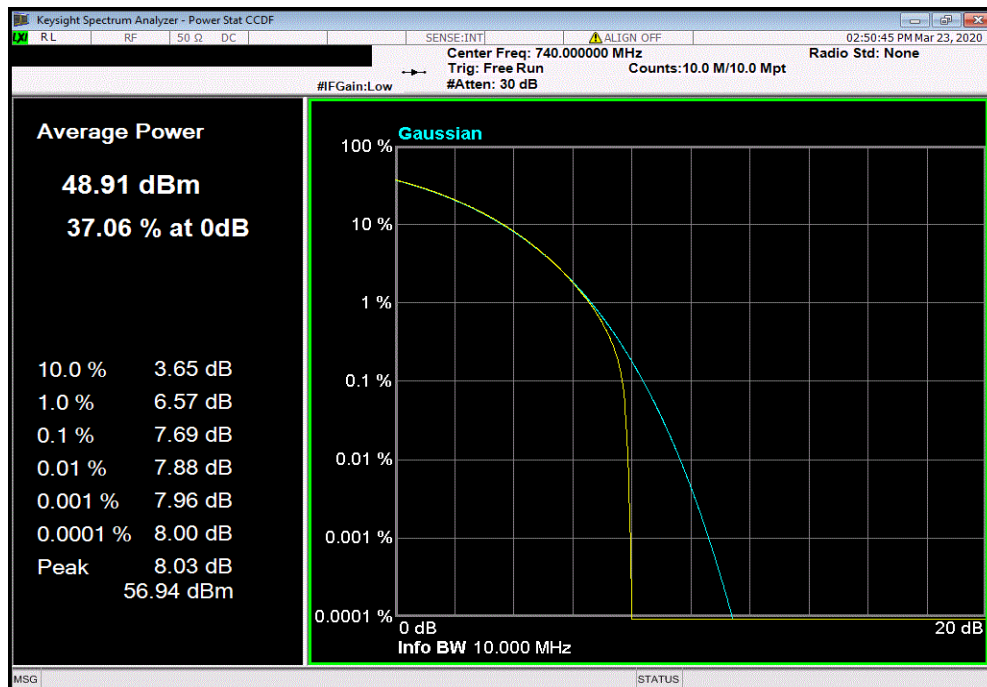
Limit (dB)

Result

7.69

13

Pass



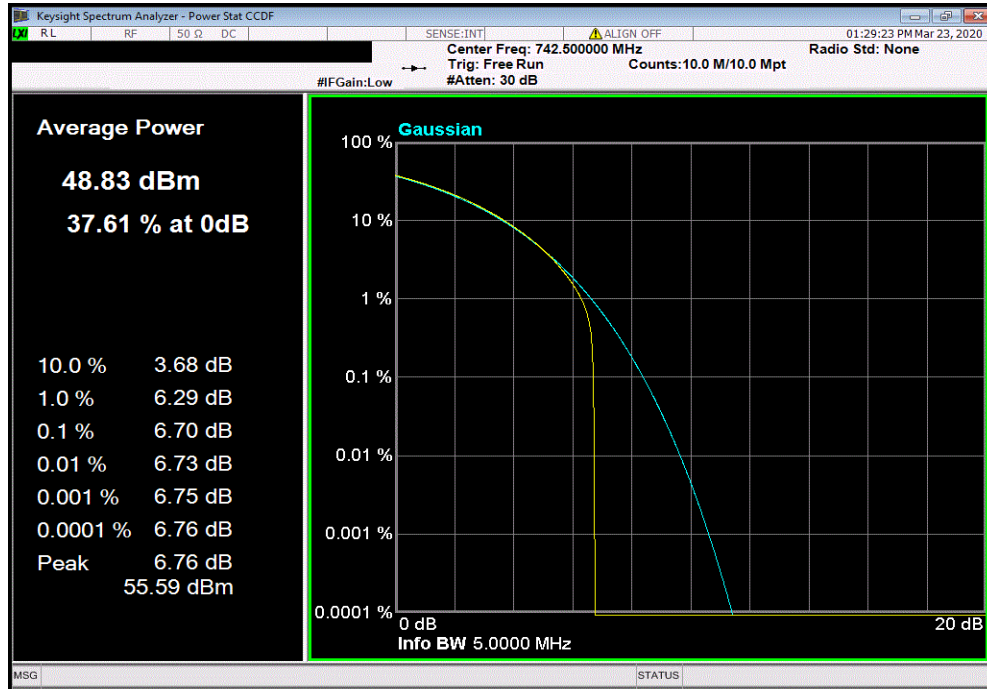
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



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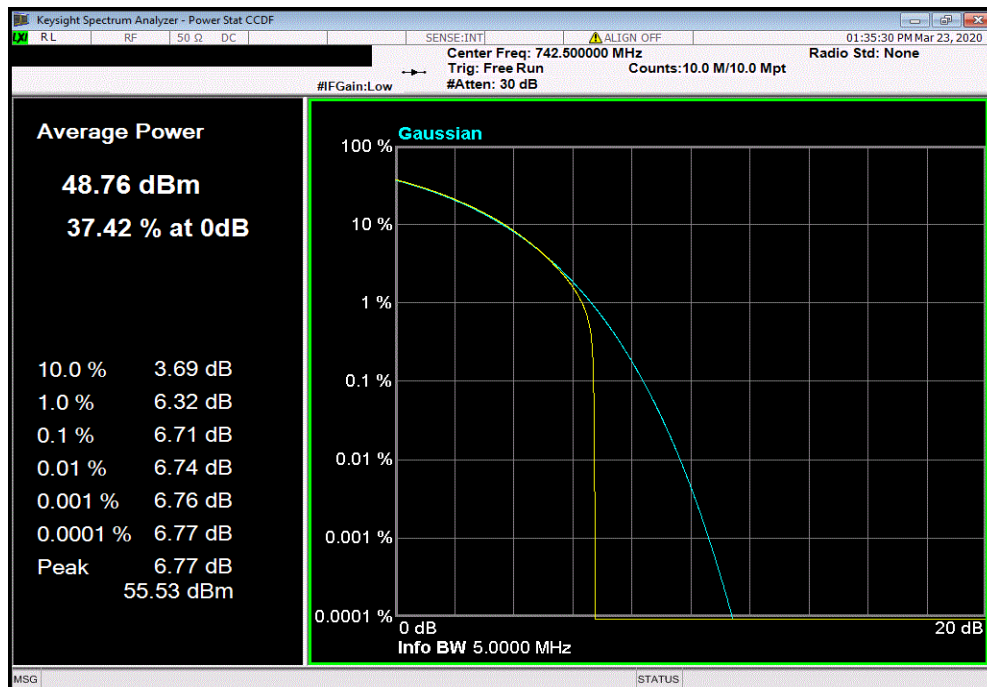
Band 12, 729 MHz - 745 MHz, LTE, Port 2, 5 MHz Bandwidth, QPSK Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.7	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 5 MHz Bandwidth, 16-QAM Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.71	13	Pass



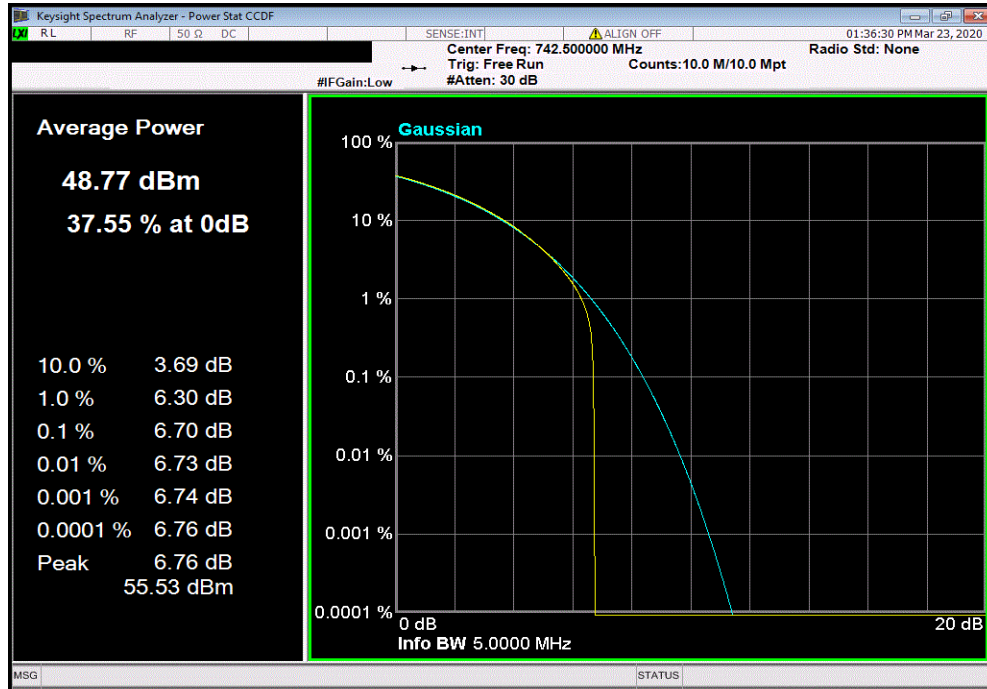
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



XMR 2020.03.25.0

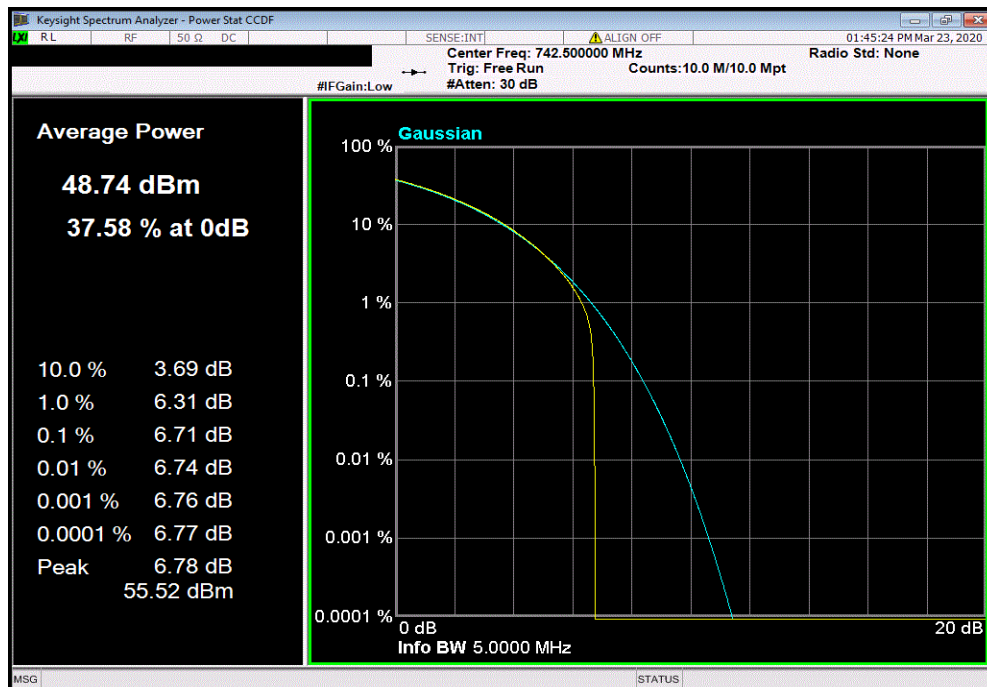
Band 12, 729 MHz - 745 MHz, LTE, Port 2, 5 MHz Bandwidth, 64-QAM Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.7	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 5 MHz Bandwidth, 256-QAM Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.71	13	Pass



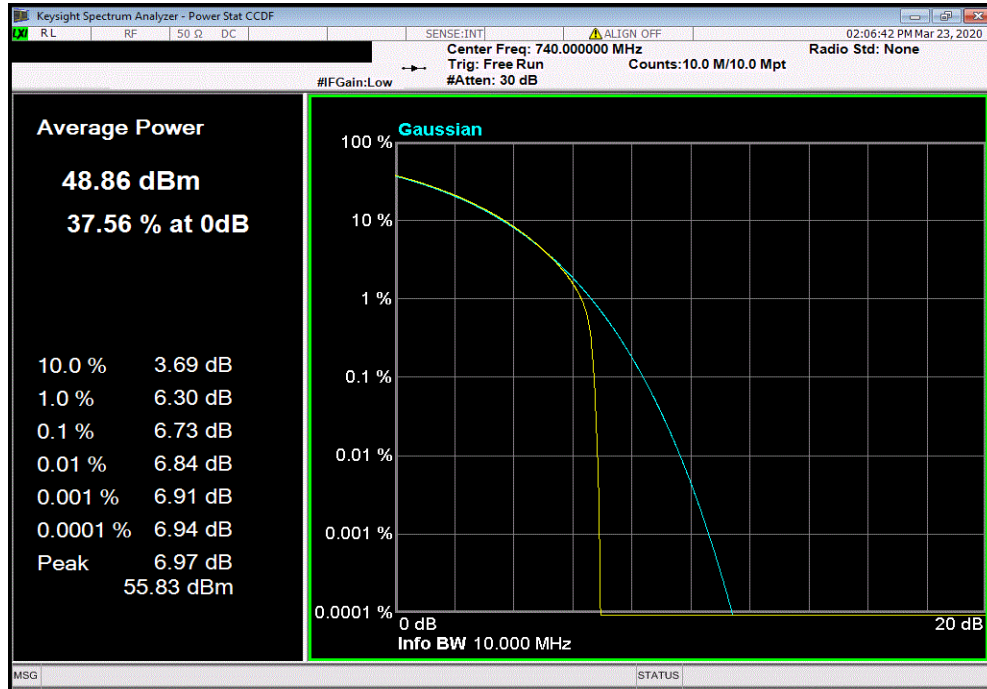
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



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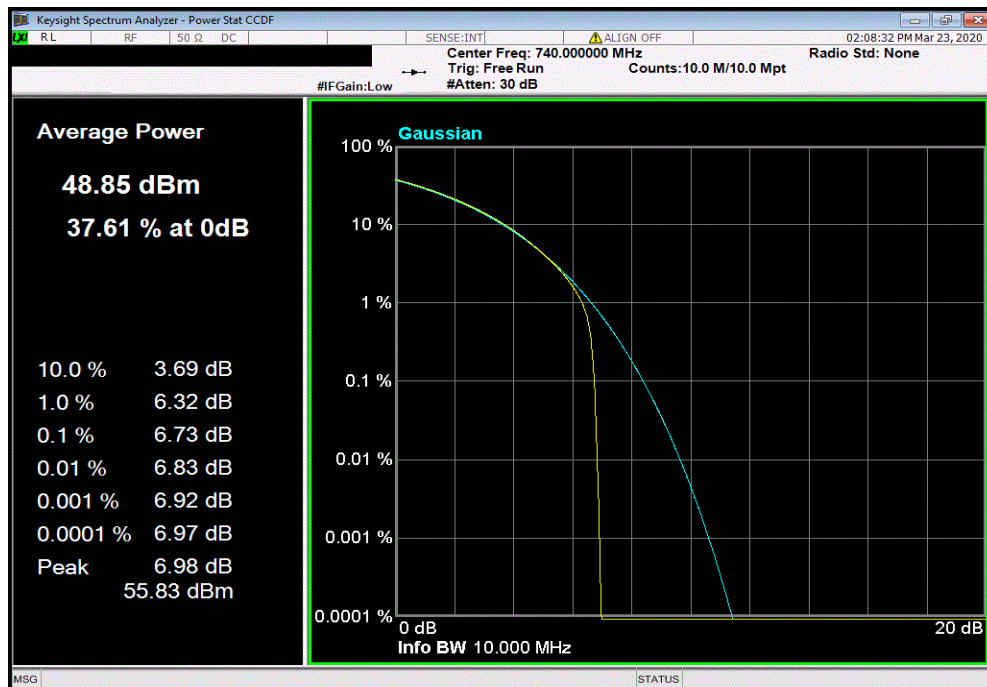
Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, QPSK Modulation, High Channel, 740 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.73	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, 16-QAM Modulation, High Channel, 740 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.73	13	Pass

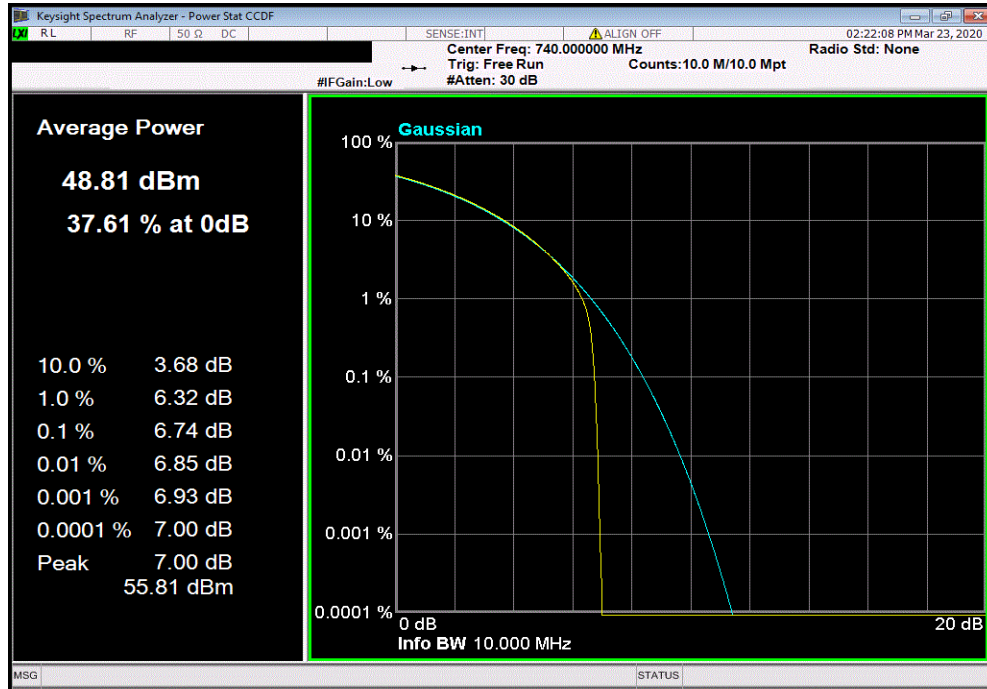


PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)

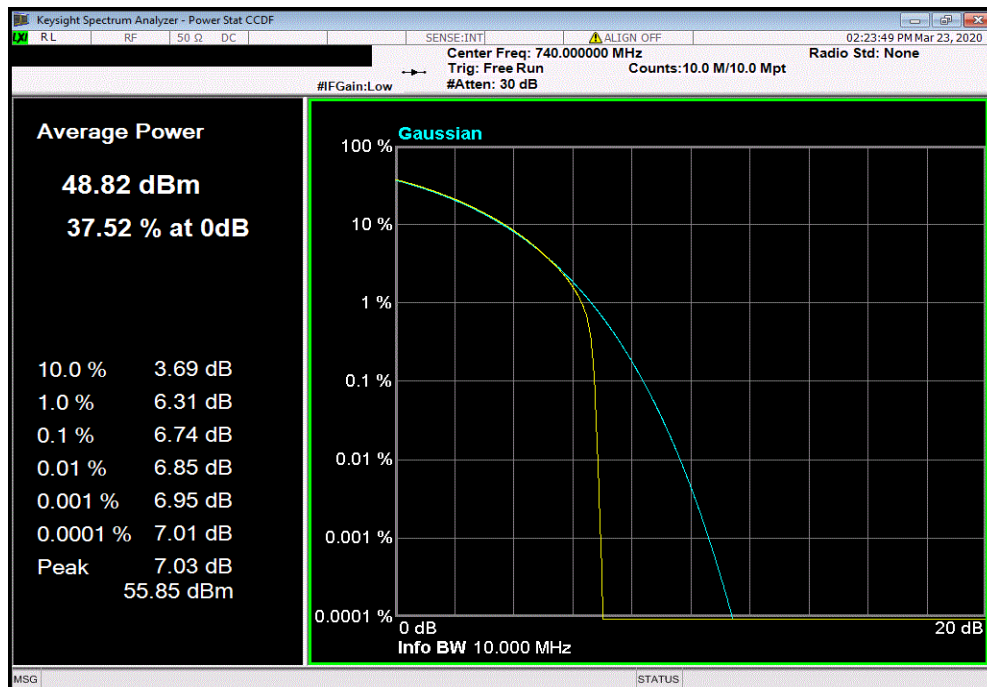


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Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, 64-QAM Modulation, High Channel, 740 MHz						
PAPR						
	Value (dB)	Limit (dB)	Result			
	6.74	13	Pass			



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, 256-QAM Modulation, High Channel, 740 MHz						
PAPR						
	Value (dB)	Limit (dB)	Result			
	6.74	13	Pass			



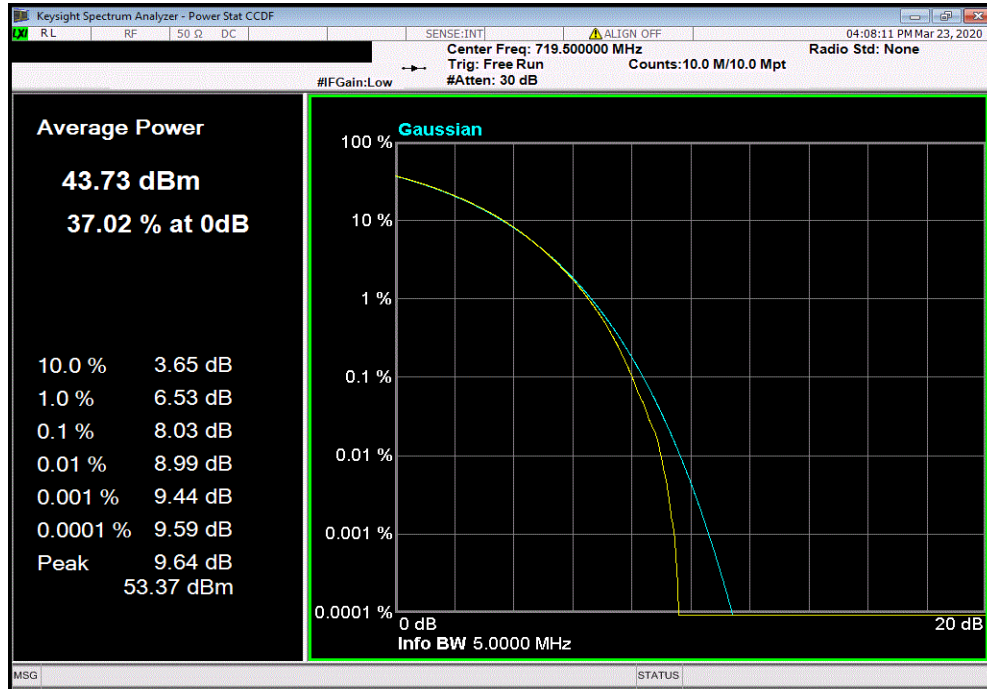
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



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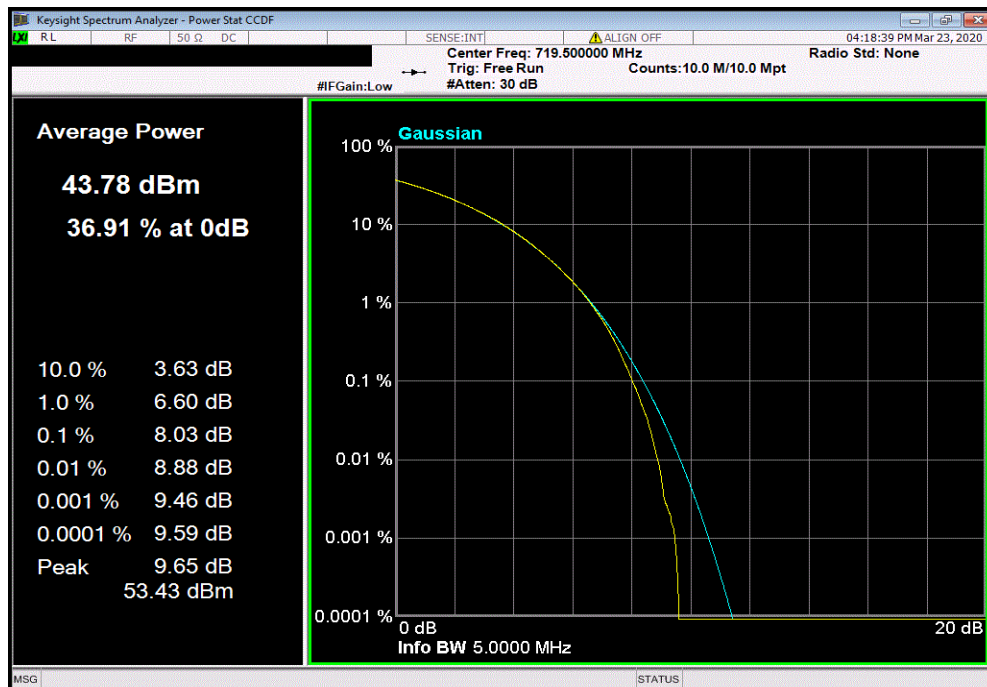
Band 29, 717 MHz - 728 MHz, LTE, Port 1, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 719.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.03	13	Pass



Band 29, 717 MHz - 728 MHz, LTE, Port 1, 5 MHz Bandwidth, 16-QAM Modulation, Low Channel, 719.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.03	13	Pass



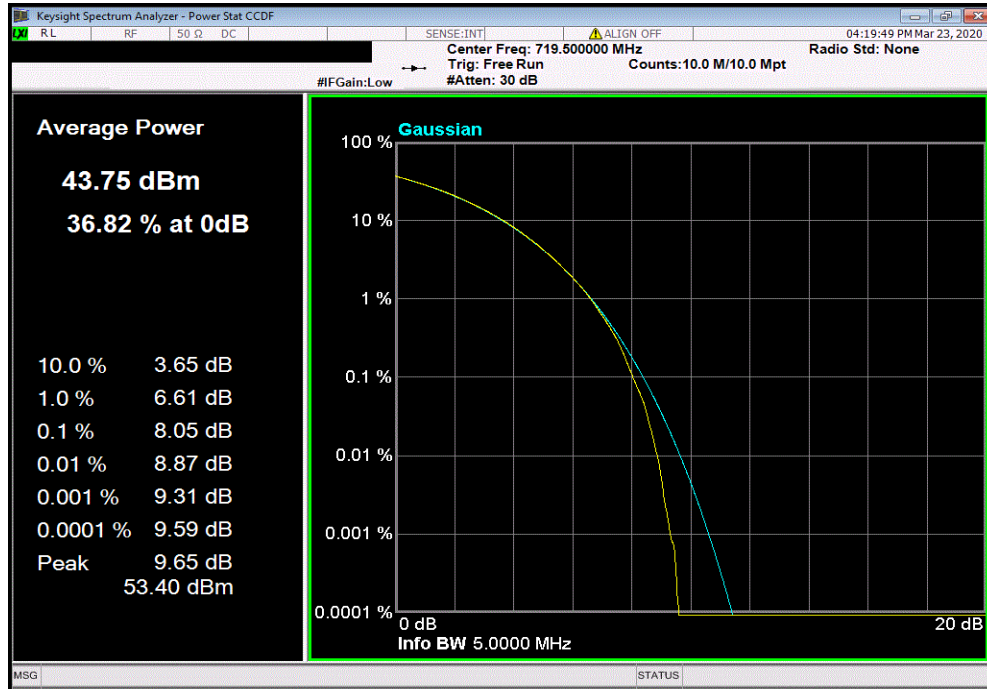
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



XMR 2020.03.25.0

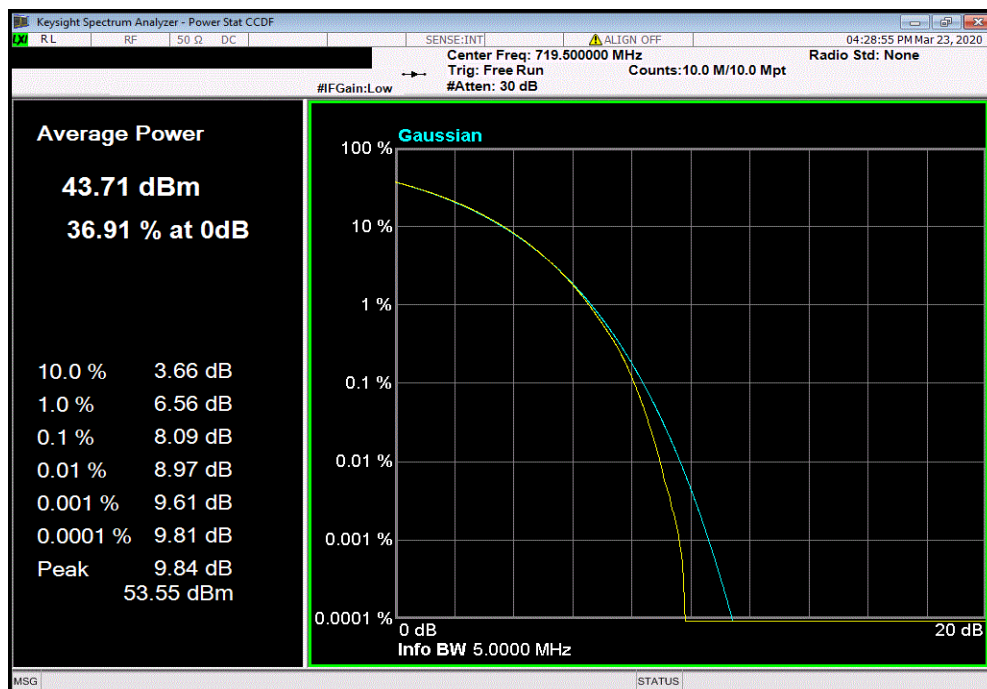
Band 29, 717 MHz - 728 MHz, LTE, Port 1, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel, 719.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.05	13	Pass



Band 29, 717 MHz - 728 MHz, LTE, Port 1, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel, 719.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.09	13	Pass



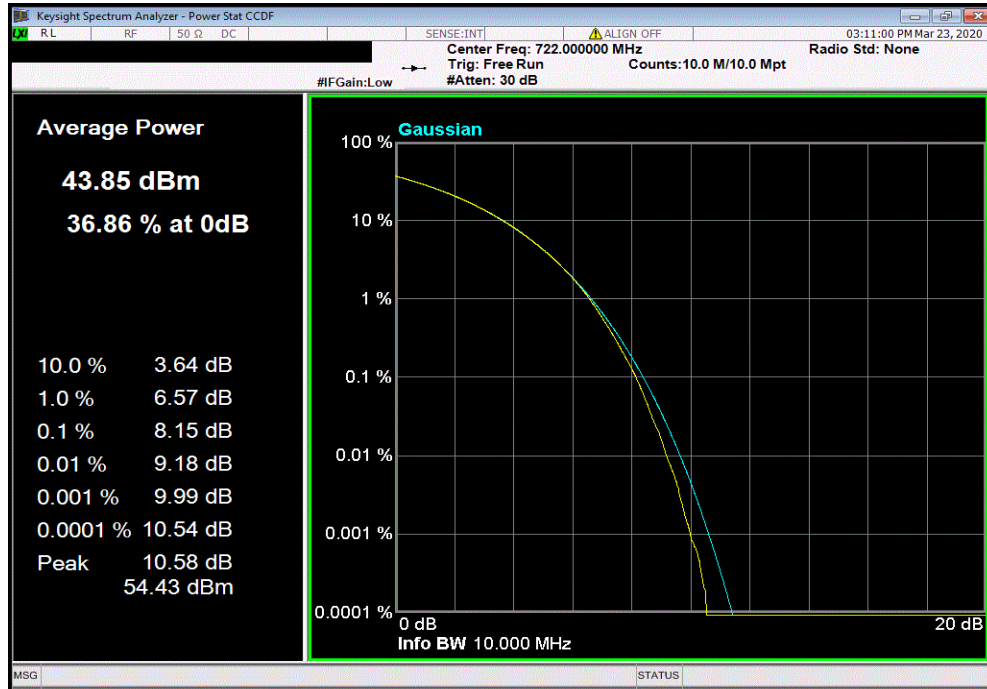
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



XMI 2020.03.25.0

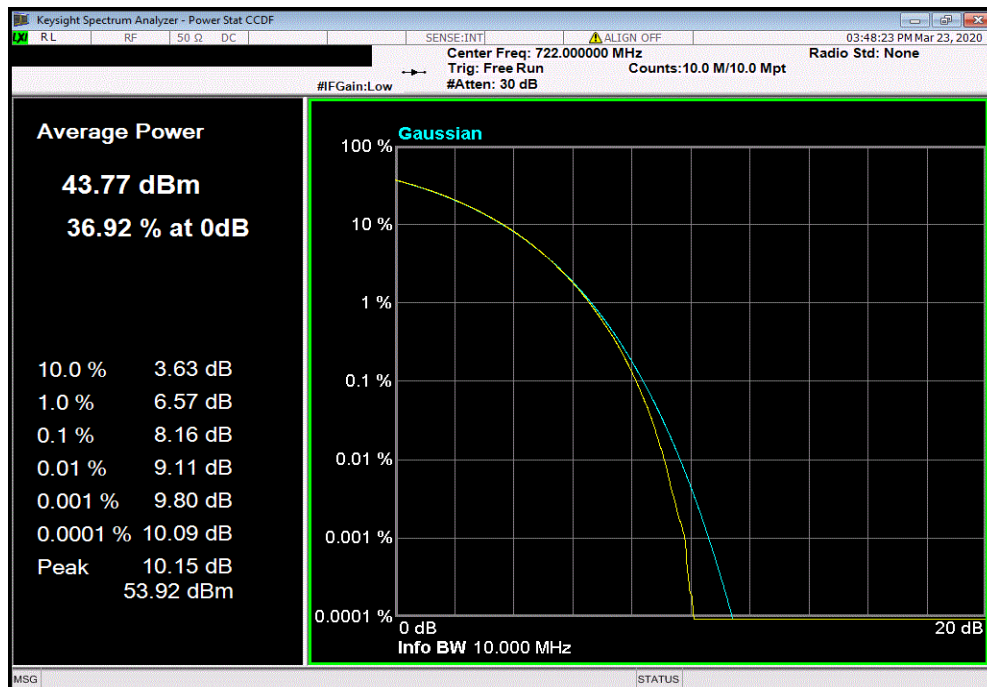
Band 29, 717 MHz - 728 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 722 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.15	13	Pass



Band 29, 717 MHz - 728 MHz, LTE, Port 1, 10 MHz Bandwidth, 16-QAM Modulation, Low Channel, 722 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.16	13	Pass



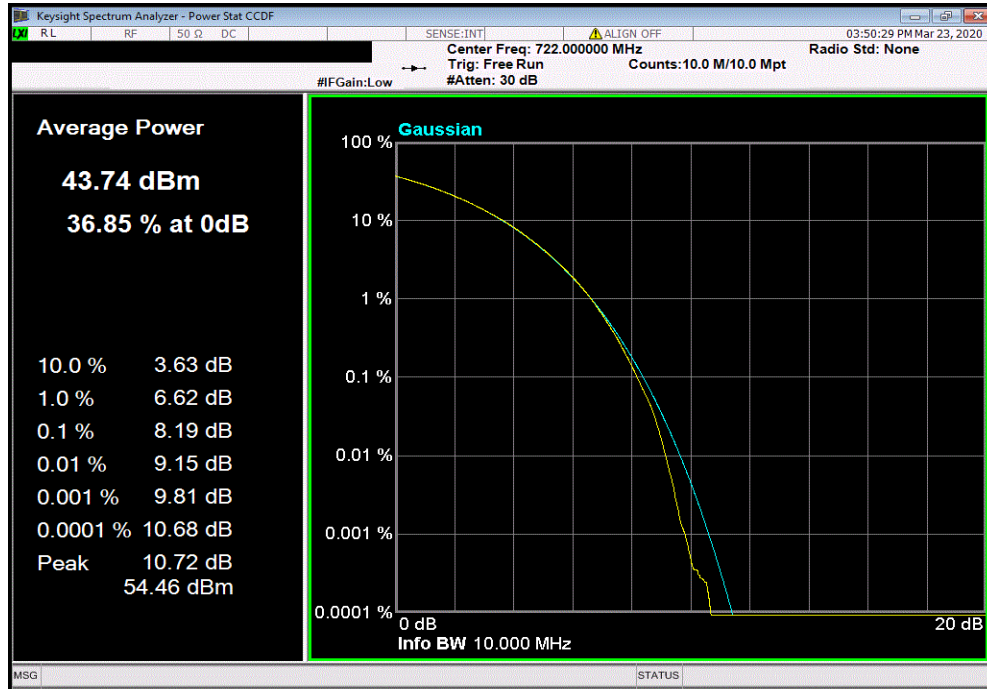
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (EXPANDED)



XMR 2020.03.25.0

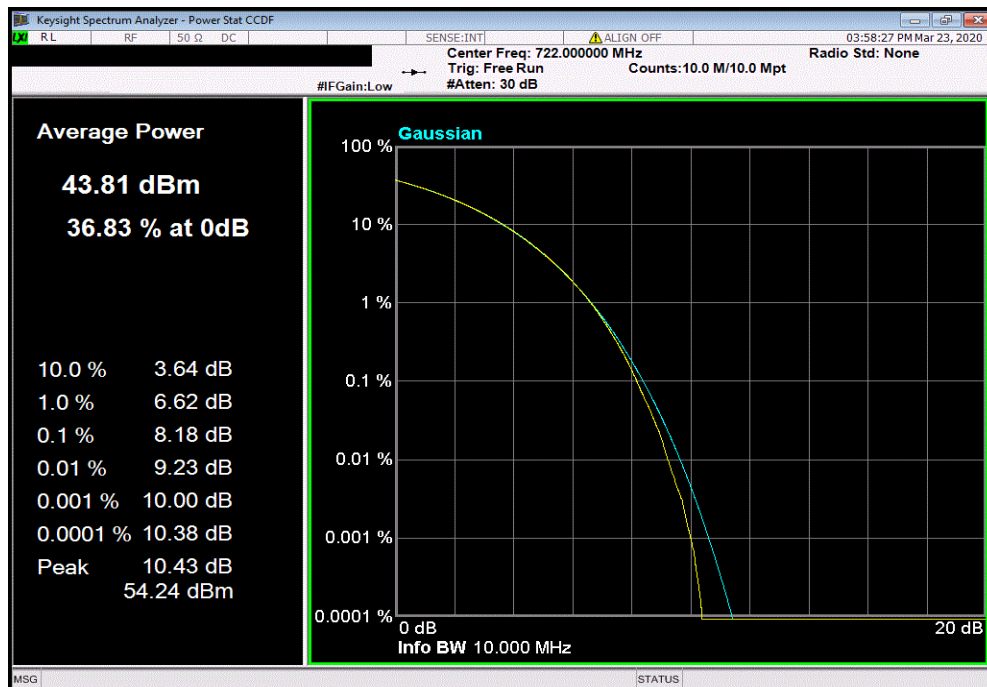
Band 29, 717 MHz - 728 MHz, LTE, Port 1, 10 MHz Bandwidth, 64-QAM Modulation, Low Channel, 722 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.19	13	Pass



Band 29, 717 MHz - 728 MHz, LTE, Port 1, 10 MHz Bandwidth, 256-QAM Modulation, Low Channel, 722 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.18	13	Pass



PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 14 (GUARDBAND)



XMIT 2020.03.25.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	27-Feb-20	27-Feb-21
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. 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 13 dB.

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.

PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 14 (GUARDBAND)



XMIT 2020.03.25.0

EUT: Aircscale Base Transceiver Station Remote Radio Head Model AHLBBA		Work Order: NOKI0013	
Serial Number: K9193514835		Date: 24-Mar-20	
Customer: Nokia Solutions and Networks		Temperature: 24.9 °C	
Attendees: Mitch Hill, John Rattanaovong		Humidity: 36.5% RH	
Project: None		Barometric Pres.: 1023 mbar	
Tested by: Brandon Hobbs		Power: 54 VDC	
		Job Site: TX03	
TEST SPECIFICATIONS			
FCC 901:2020		ANSI C63.26:2015	
RSS-140:2018		RSS-140:2018	
COMMENTS			
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. The hottest port per power amplifier (PA) was used for testing. The worst case port was determined in the original client provided test report. The carrier power was set to maximum for all testing.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2,6	Signature	
		Value	Limit
Band 14, 758 MHz - 768 MHz, LTE			
Port 1			
10 MHz Bandwidth			
QPSK Modulation			
Single Channel		7.84	13
Port 2			
10 MHz Bandwidth			
QPSK Modulation			
Single Channel		7.36	13
			Pass

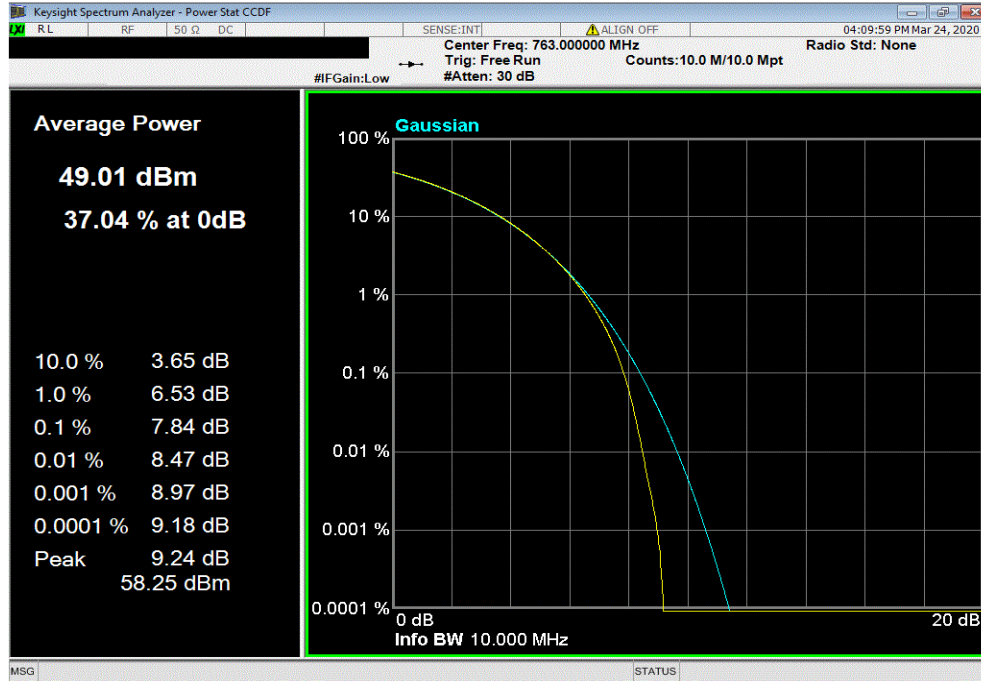
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 14 (GUARDBAND)



XMR 2020.03.25.0

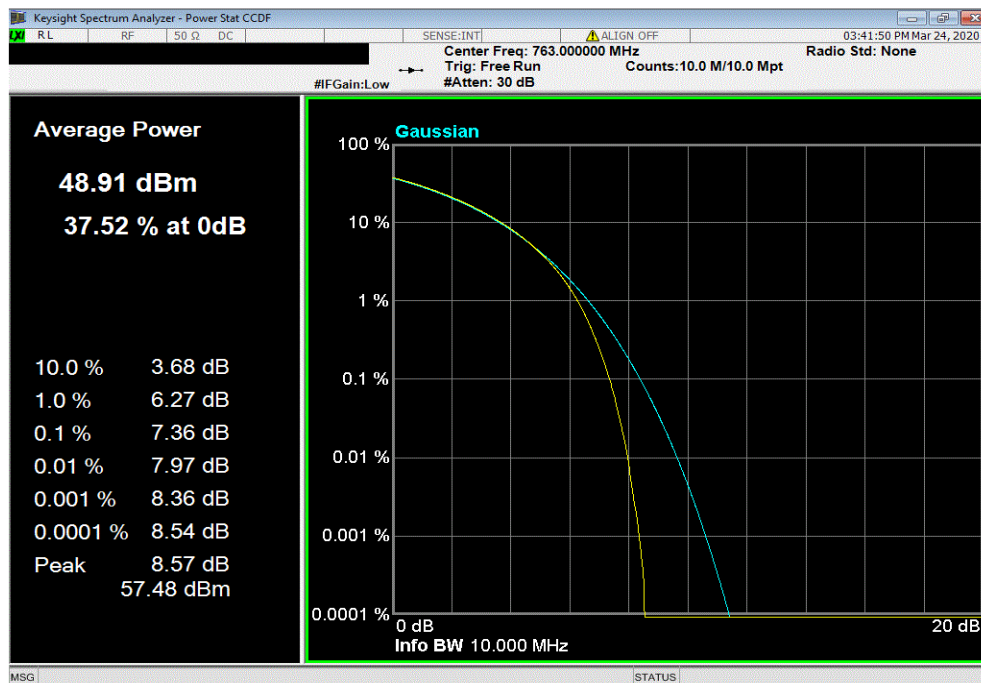
Band 14, 758 MHz - 768 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, Single Channel

	Value	Limit	Result
	7.84	13	Pass



Band 14, 758 MHz - 768 MHz, LTE, Port 2, 10 MHz Bandwidth, QPSK Modulation, Single Channel

	Value	Limit	Result
	7.36	13	Pass



PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (GUARDBAND)



XMIT 2020.03.25.0

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Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21

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The PAPR was measured using the CCDF function of the spectrum analyzer.

PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (GUARDBAND)



XMIT 2020 03.25.0

EUT: Aircscale Base Transceiver Station Remote Radio Head Model AHLBBA		Work Order: NOKI0013	
Serial Number: K9193514835		Date: 24-Mar-20	
Customer: Nokia Solutions and Networks		Temperature: 24.9 °C	
Attendees: Mitch Hill, John Rattanaovong		Humidity: 36.1% RH	
Project: None		Barometric Pres.: 1022 mbar	
Tested by: Brandon Hobbs		Power: 54 VDC	Job Site: TX03
TEST SPECIFICATIONS			
FCC 27:2020		Test Method	
RSS-130:2019		ANSI C63.26:2015	
		RSS-130:2019	
COMMENTS			
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Configuration #	2,6	Signature	
		PAPR Value (dB)	Limit (dB) Result
Band 12, 729 MHz - 745 MHz, LTE			
Port 1			
10 MHz Bandwidth			
QPSK Modulation			
Low Channel, 734 MHz		7.69	13 Pass
Mid Channel, 737 MHz		7.70	13 Pass
High Channel, 740 MHz		7.69	13 Pass
Port 2			
10 MHz Bandwidth			
QPSK Modulation			
Low Channel, 734 MHz		6.94	13 Pass
Mid Channel, 737 MHz		6.78	13 Pass
High Channel, 740 MHz		6.74	13 Pass
Band 29, 717 MHz - 728 MHz, LTE			
Port 1			
10 MHz Bandwidth			
QPSK Modulation			
Low Channel, 722 MHz		8.22	13 Pass
Mid Channel, 722.5 MHz		8.17	13 Pass
High Channel, 723 MHz		8.12	13 Pass

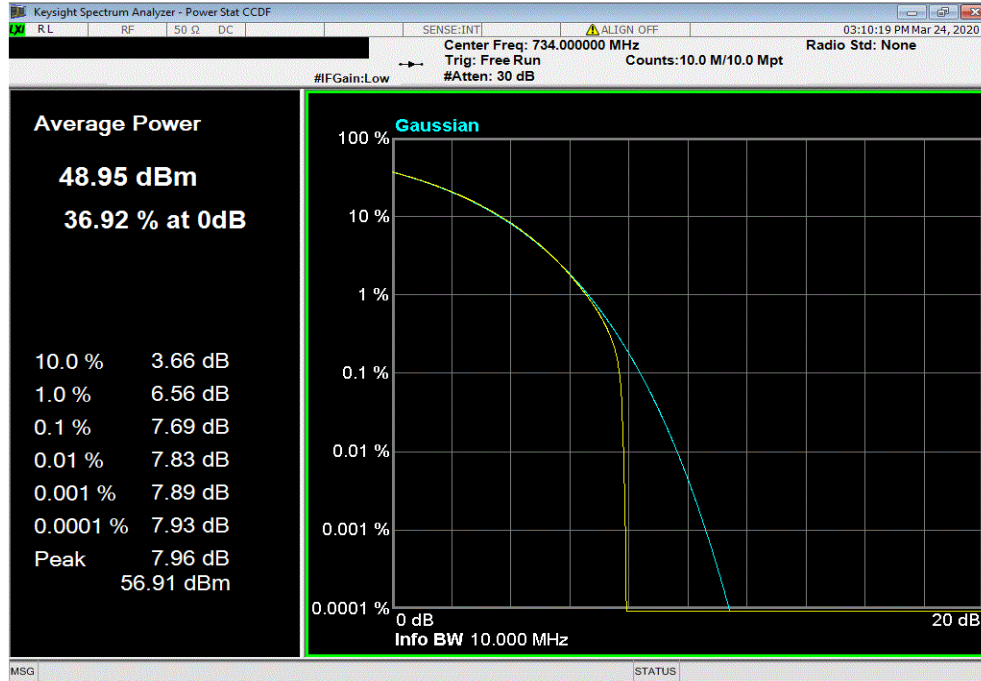
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (GUARDBAND)



XMR 2020.03.25.0

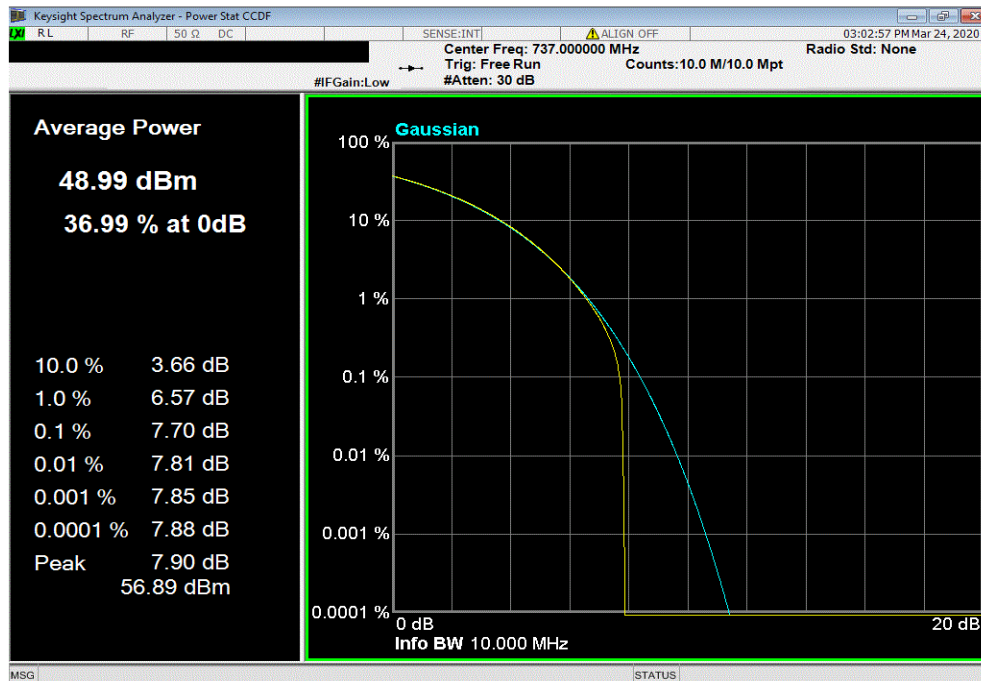
Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 734 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.69	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, Mid Channel, 737 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.7	13	Pass



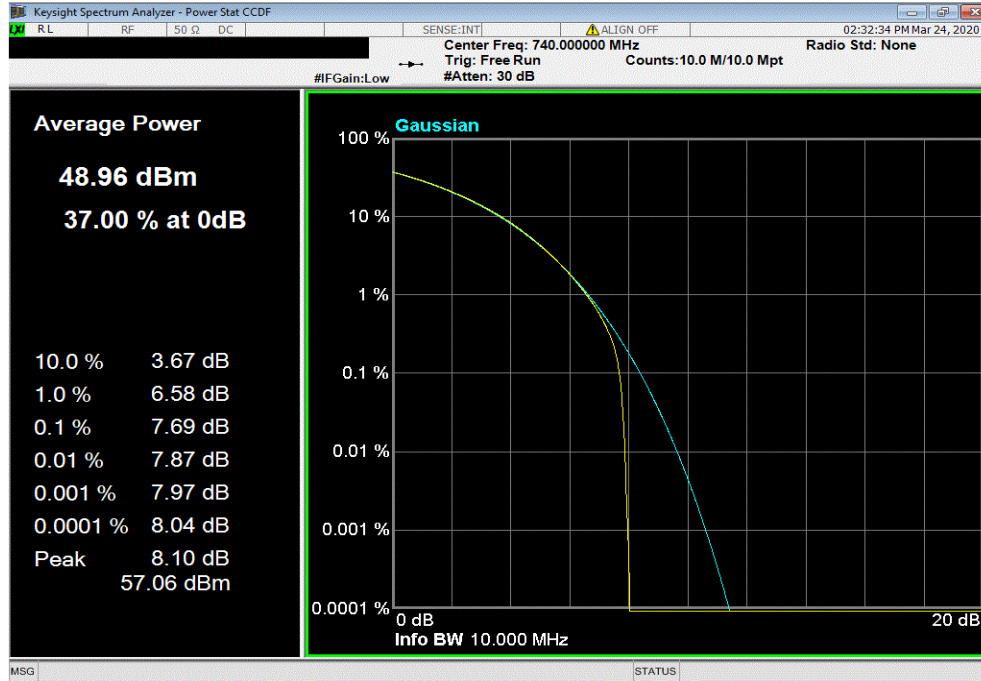
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (GUARDBAND)



XMI 2020.03.25.0

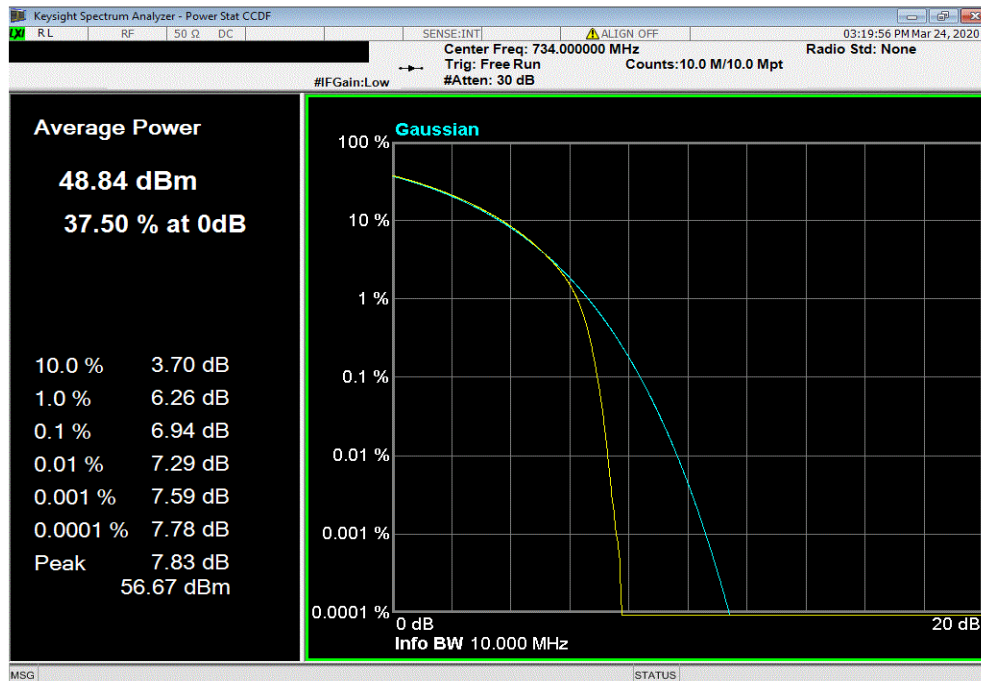
Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 740 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.69	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 734 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.94	13	Pass



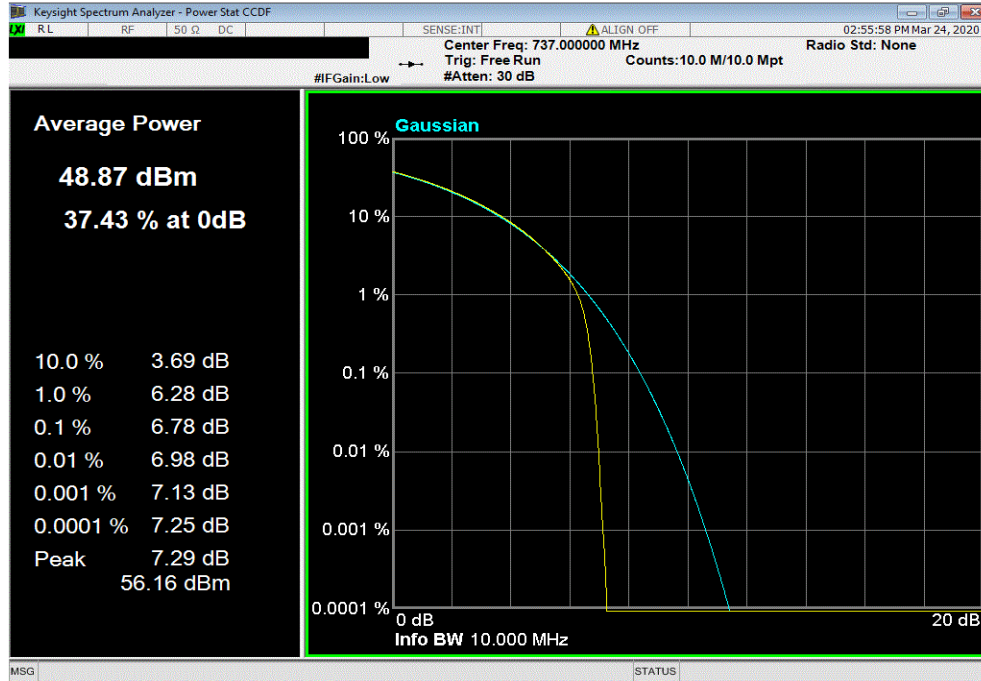
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (GUARDBAND)



XMI 2020.03.25.0

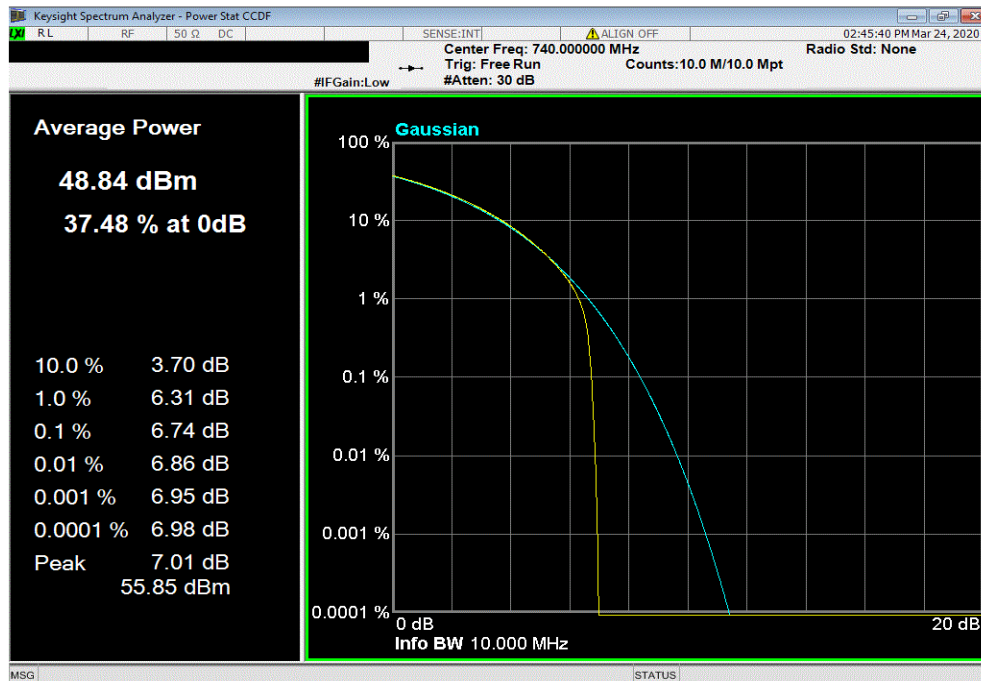
Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, QPSK Modulation, Mid Channel, 737 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.78	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, QPSK Modulation, High Channel, 740 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.74	13	Pass



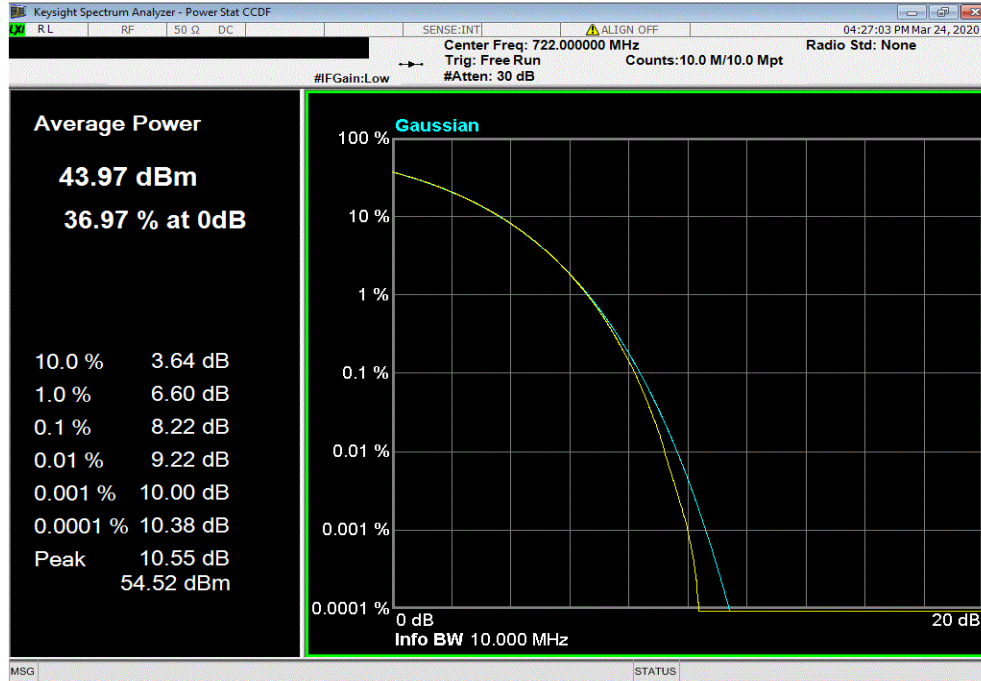
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (GUARDBAND)



XMI 2020.03.25.0

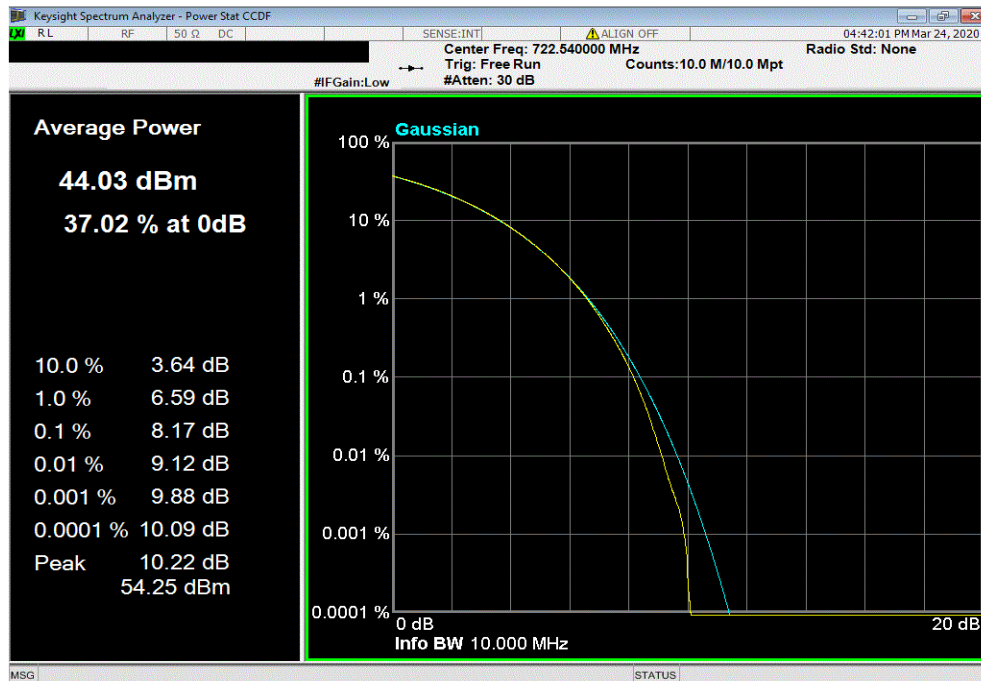
Band 29, 717 MHz - 728 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 722 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.22	13	Pass



Band 29, 717 MHz - 728 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, Mid Channel, 722.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.17	13	Pass



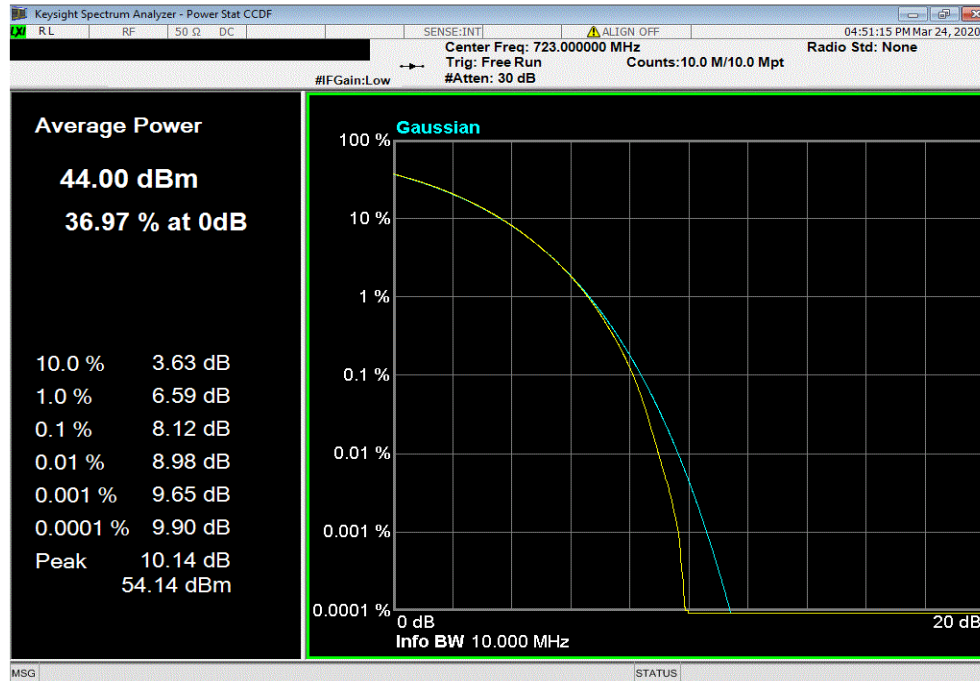
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BANDS 29,12 (GUARDBAND)



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Band 29, 717 MHz - 728 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 723 MHz

PAPR		
Value (dB)	Limit (dB)	Result
8.12	13	Pass



PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 12 (INBAND)



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Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	27-Feb-20	27-Feb-21
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. 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 13 dB.

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.

PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 12 (INBAND)



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EUT: Aircscale Base Transceiver Station Remote Radio Head Model AHLBBA		Work Order: NOKI0013	
Serial Number: K9193514835		Date: 24-Mar-20	
Customer: Nokia Solutions and Networks		Temperature: 24.9 °C	
Attendees: Mitch Hill, John Rattavong		Humidity: 36.4% RH	
Project: None		Barometric Pres.: 1023 mbar	
Tested by: Brandon Hobbs		Power: 54 VDC	
		Job Site: TX03	
TEST SPECIFICATIONS			
FCC 27:2020		Test Method	
RSS-130:2019		ANSI C63.26:2015	
		RSS-130:2019	
COMMENTS			
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. The hottest port per power amplifier (PA) was used for testing. The worst case port was determined in the original client provided test report. The carrier power was set to maximum for all testing.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2,6	Signature	
		PAPR Value (dB)	Limit (dB) Result
Band 12, 729 MHz - 745 MHz, LTE			
Port 1			
5 MHz Bandwidth			
QPSK Modulation			
Low Channel, 731.5 MHz		7.86	13 Pass
Mid Channel, 737 MHz		7.86	13 Pass
High Channel, 742.5 MHz		7.86	13 Pass
10 MHz Bandwidth			
QPSK Modulation			
Low Channel, 734 MHz		7.78	13 Pass
Mid Channel, 737 MHz		7.78	13 Pass
High Channel, 740 MHz		7.78	13 Pass
Port 2			
5 MHz Bandwidth			
QPSK Modulation			
Low Channel, 731.5 MHz		6.93	13 Pass
Mid Channel, 737 MHz		6.88	13 Pass
High Channel, 742.5 MHz		6.88	13 Pass
10 MHz Bandwidth			
QPSK Modulation			
Low Channel, 734 MHz		7.00	13 Pass
Mid Channel, 737 MHz		6.86	13 Pass
High Channel, 740 MHz		6.81	13 Pass

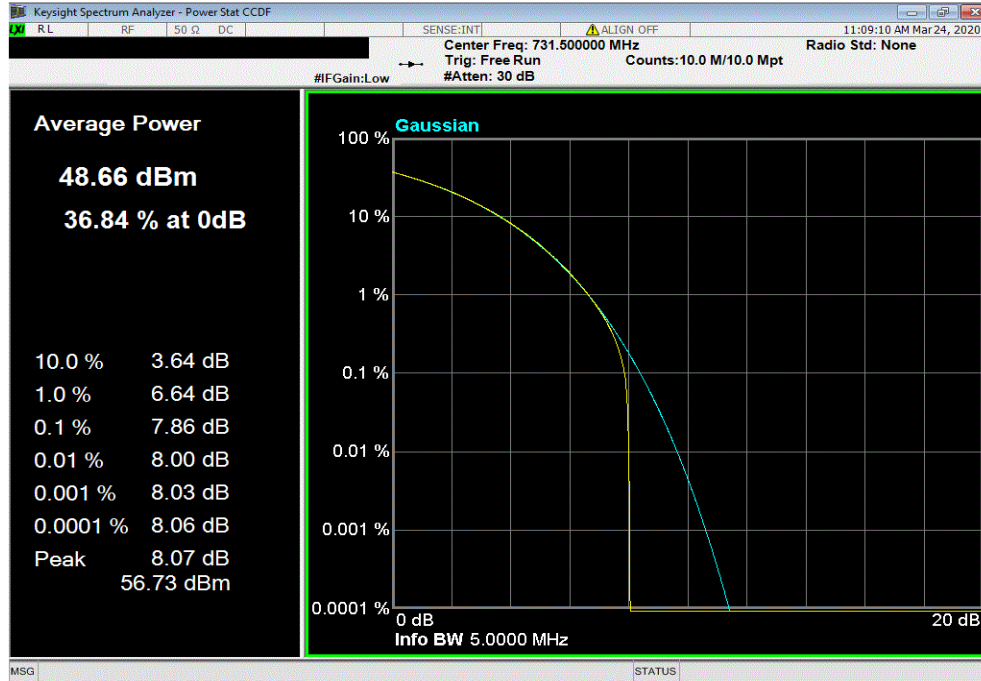
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 12 (INBAND)



XMR 2020.03.25.0

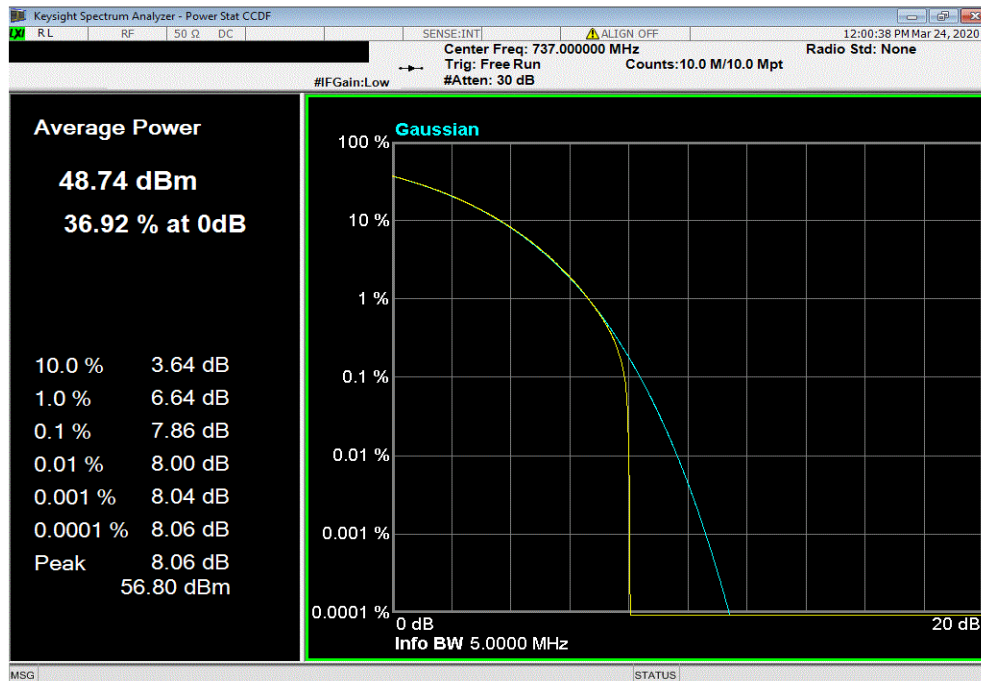
Band 12, 729 MHz - 745 MHz, LTE, Port 1, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 731.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.86	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 1, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.86	13	Pass

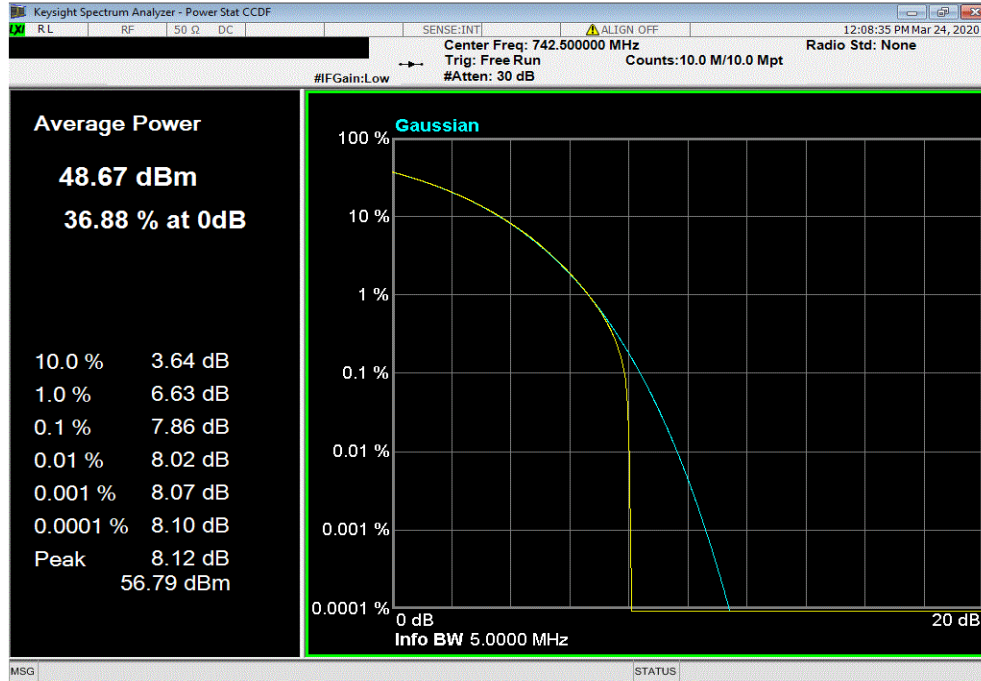


PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 12 (INBAND)

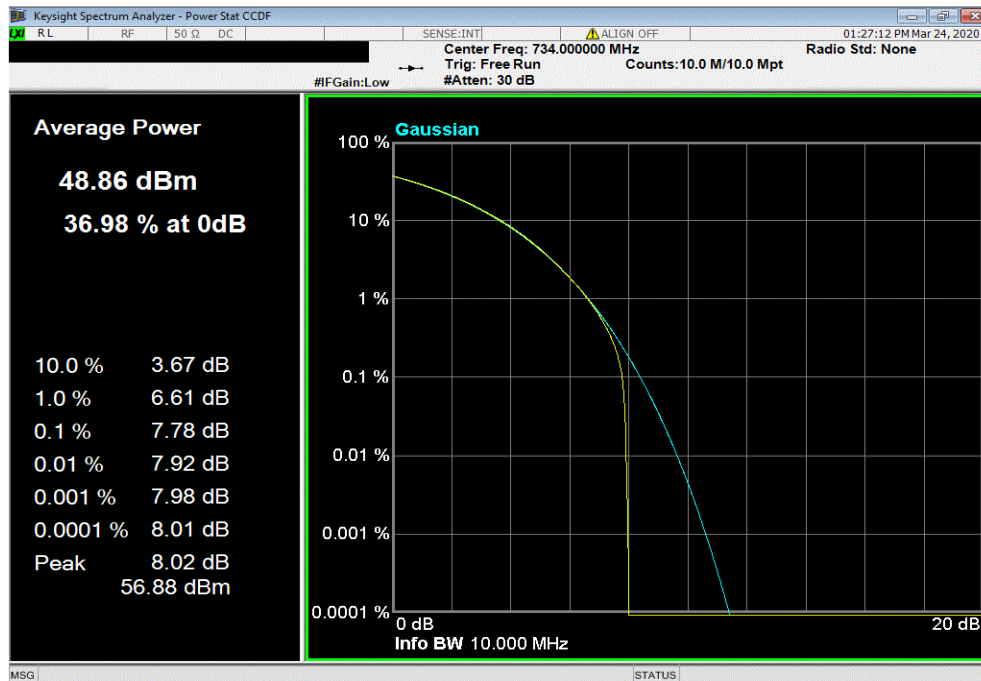


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Band 12, 729 MHz - 745 MHz, LTE, Port 1, 5 MHz Bandwidth, QPSK Modulation, High Channel, 742.5 MHz						
PAPR				Value (dB)	Limit (dB)	Result
				7.86	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 734 MHz						
PAPR				Value (dB)	Limit (dB)	Result
				7.78	13	Pass



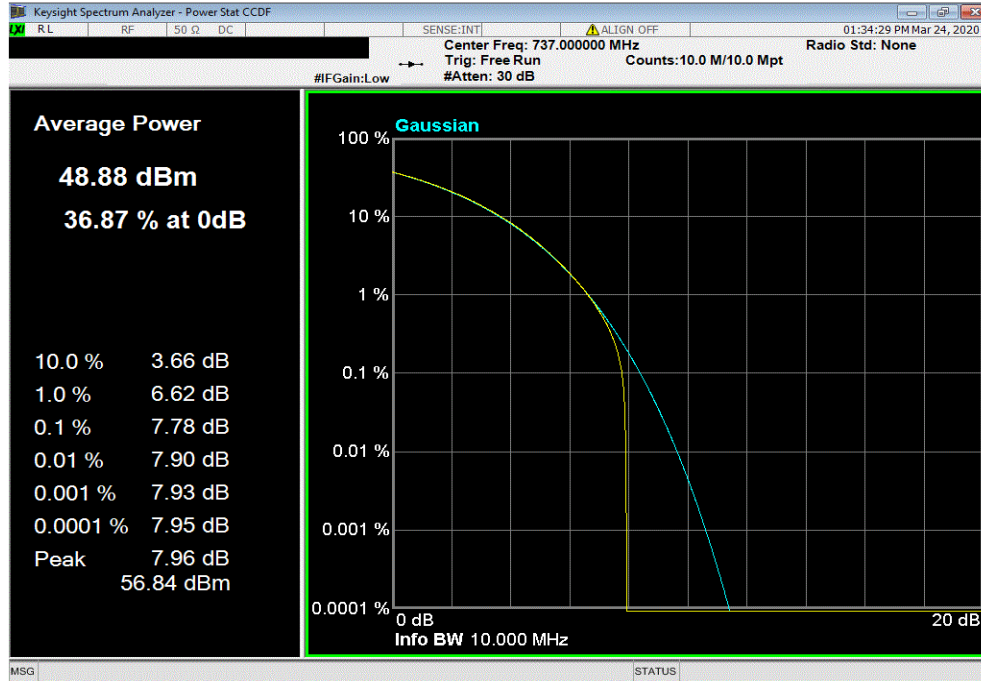
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 12 (INBAND)



XMI 2020.03.25.0

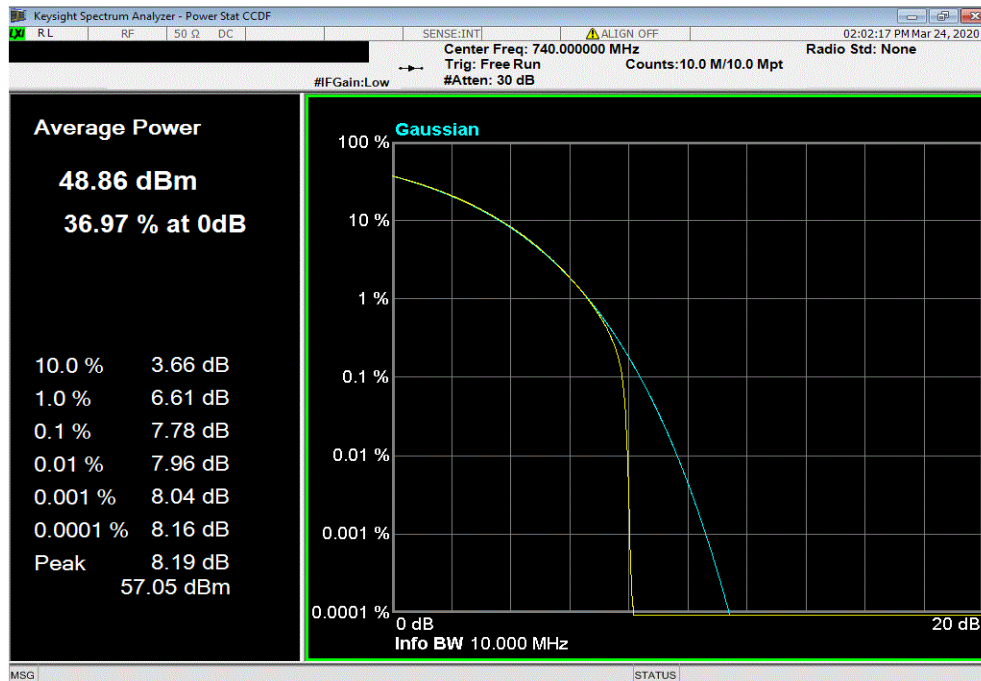
Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, Mid Channel, 737 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.78	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 1, 10 MHz Bandwidth, QPSK Modulation, High Channel, 740 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7.78	13	Pass



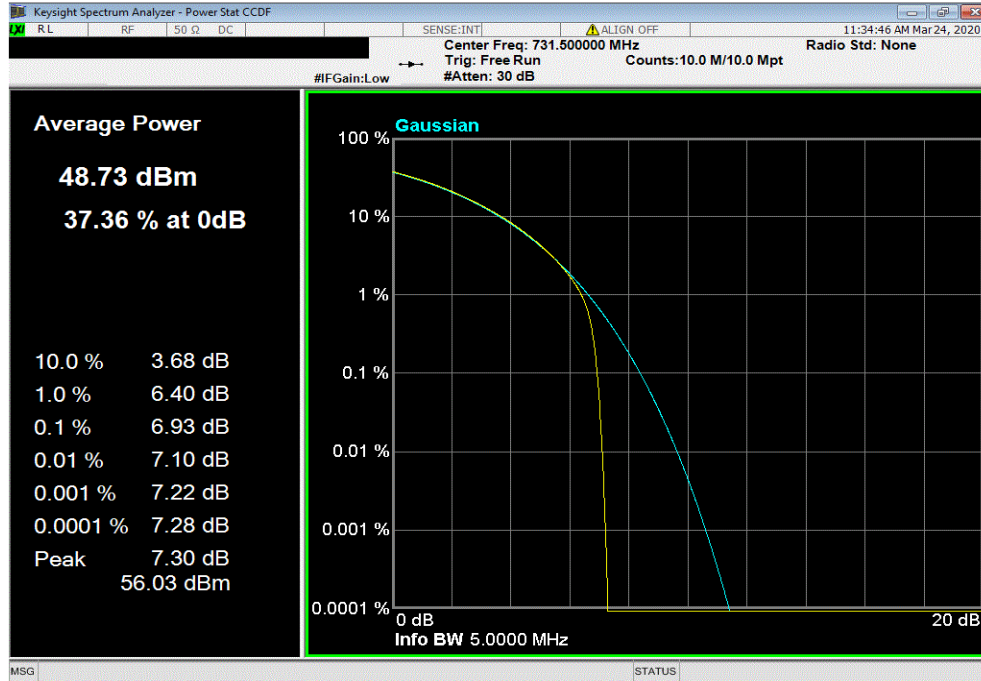
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 12 (INBAND)



XMR 2020.03.25.0

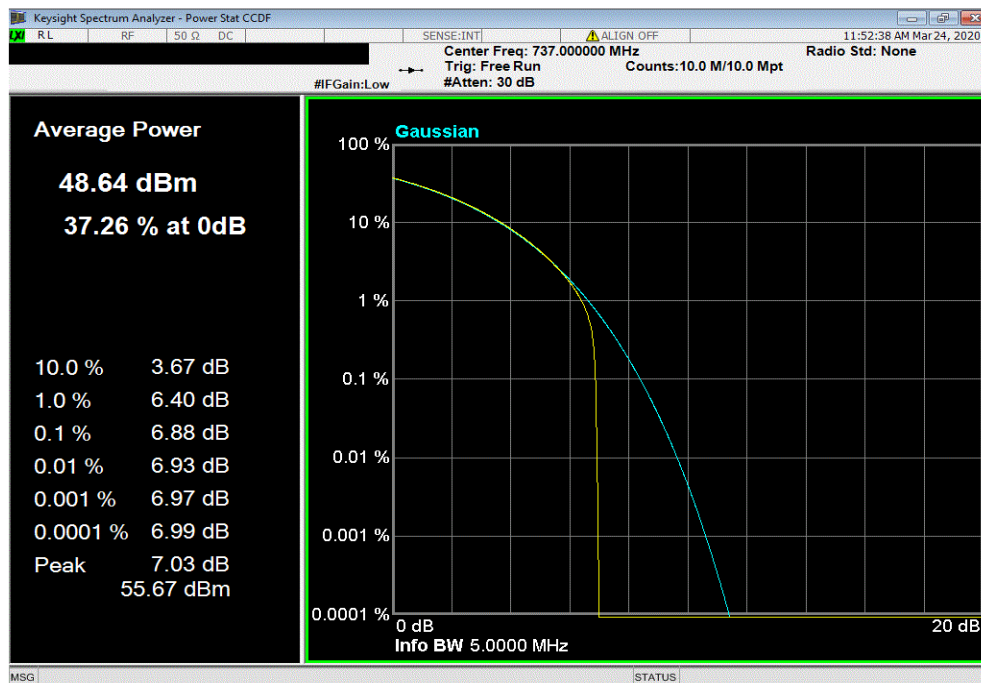
Band 12, 729 MHz - 745 MHz, LTE, Port 2, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 731.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.93	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.88	13	Pass



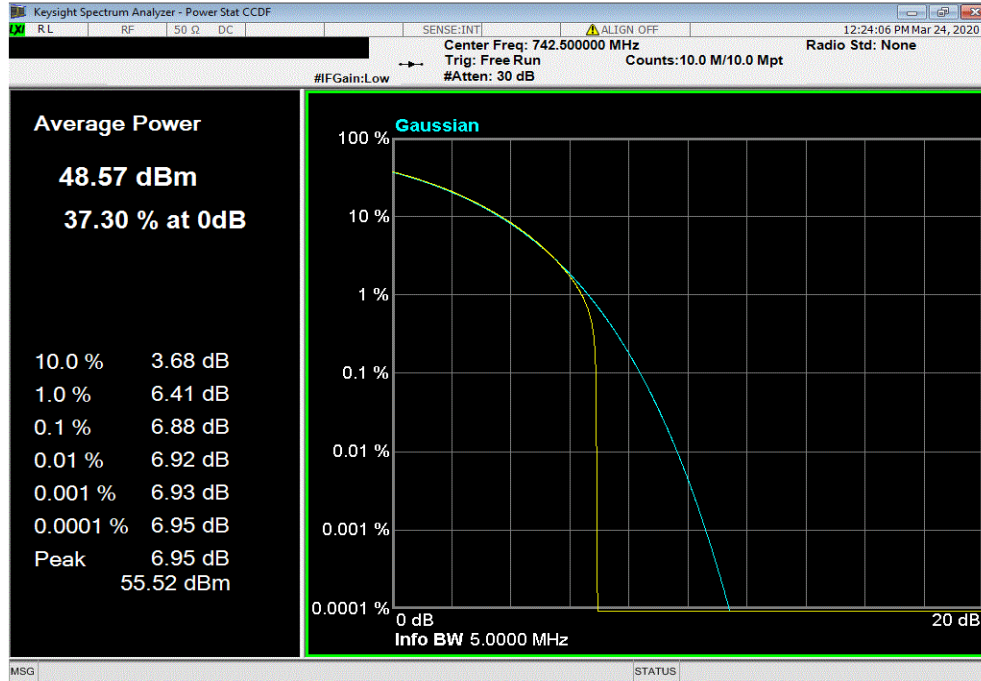
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 12 (INBAND)



XMI 2020.03.25.0

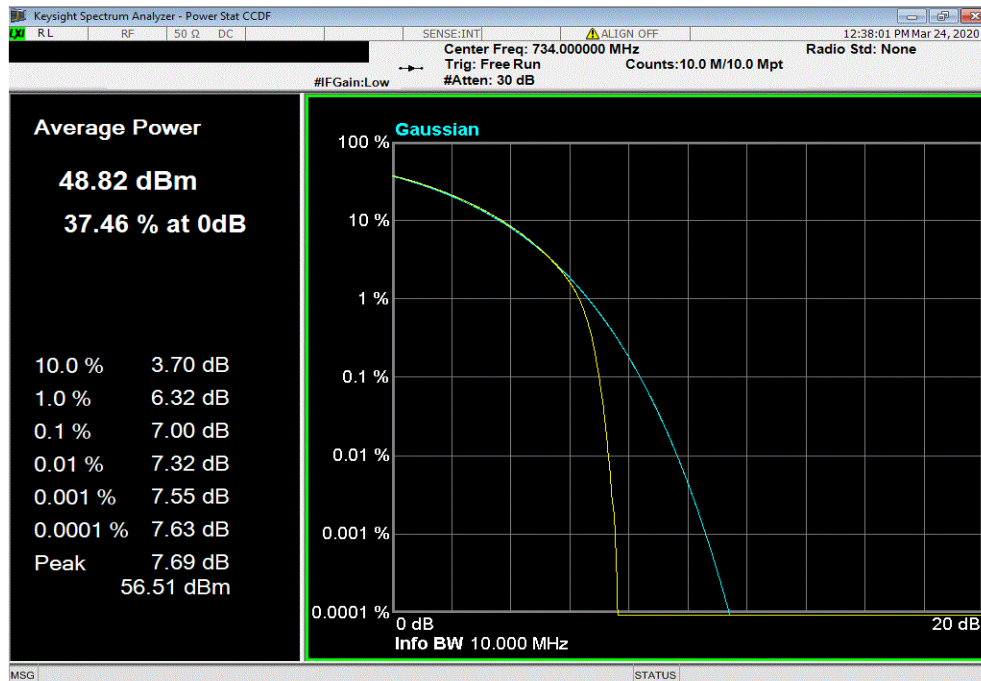
Band 12, 729 MHz - 745 MHz, LTE, Port 2, 5 MHz Bandwidth, QPSK Modulation, High Channel, 742.5 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.88	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, QPSK Modulation, Low Channel, 734 MHz

PAPR		
Value (dB)	Limit (dB)	Result
7	13	Pass



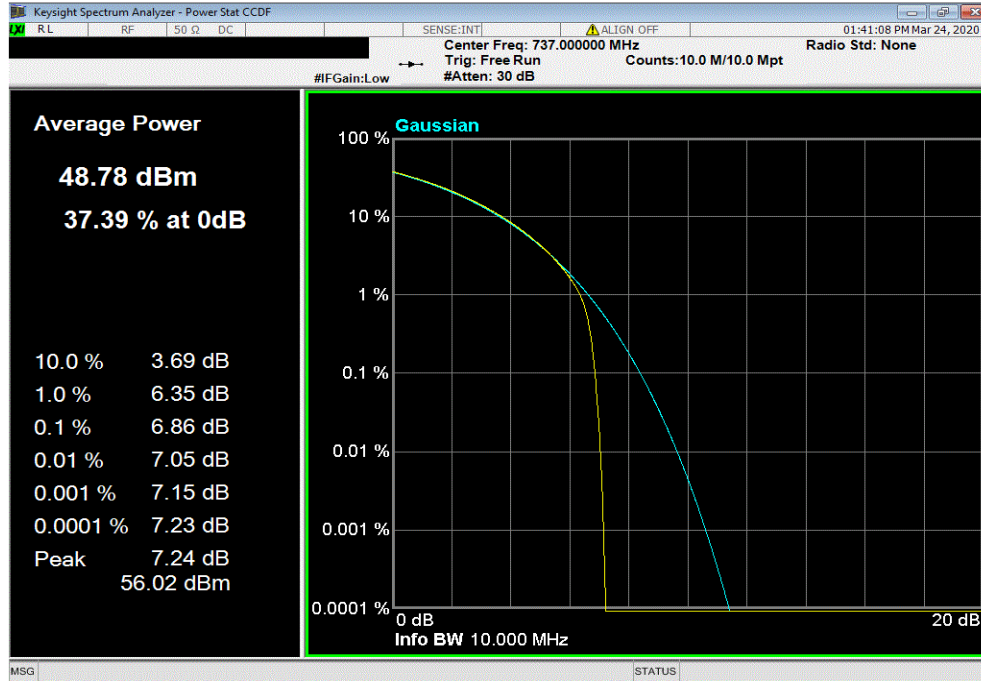
PEAK TO AVERAGE POWER RATIO (PAPR) CCDF LTE BAND 12 (INBAND)



XMI 2020.03.25.0

Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, QPSK Modulation, Mid Channel, 737 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.86	13	Pass



Band 12, 729 MHz - 745 MHz, LTE, Port 2, 10 MHz Bandwidth, QPSK Modulation, High Channel, 740 MHz

PAPR		
Value (dB)	Limit (dB)	Result
6.81	13	Pass

