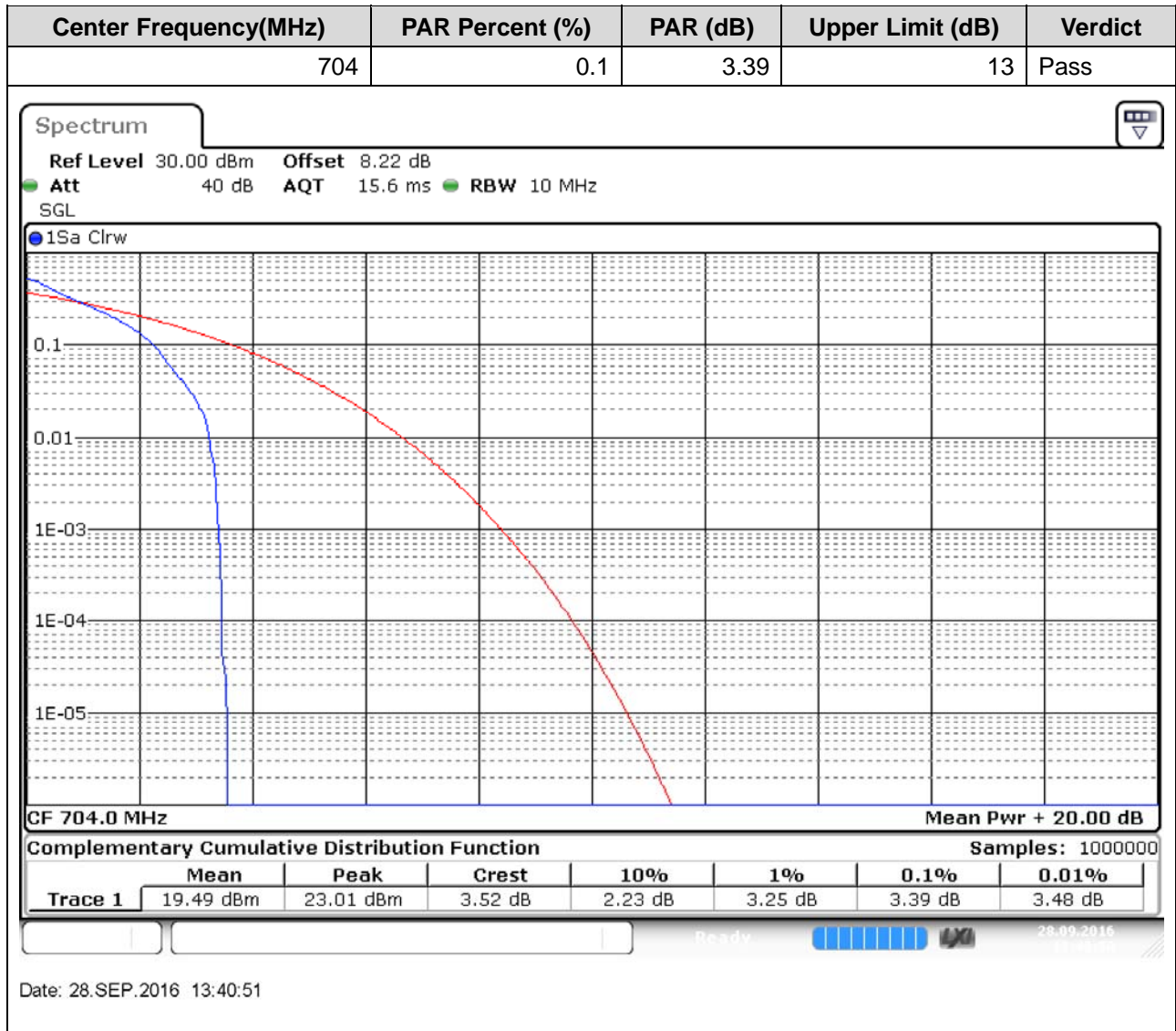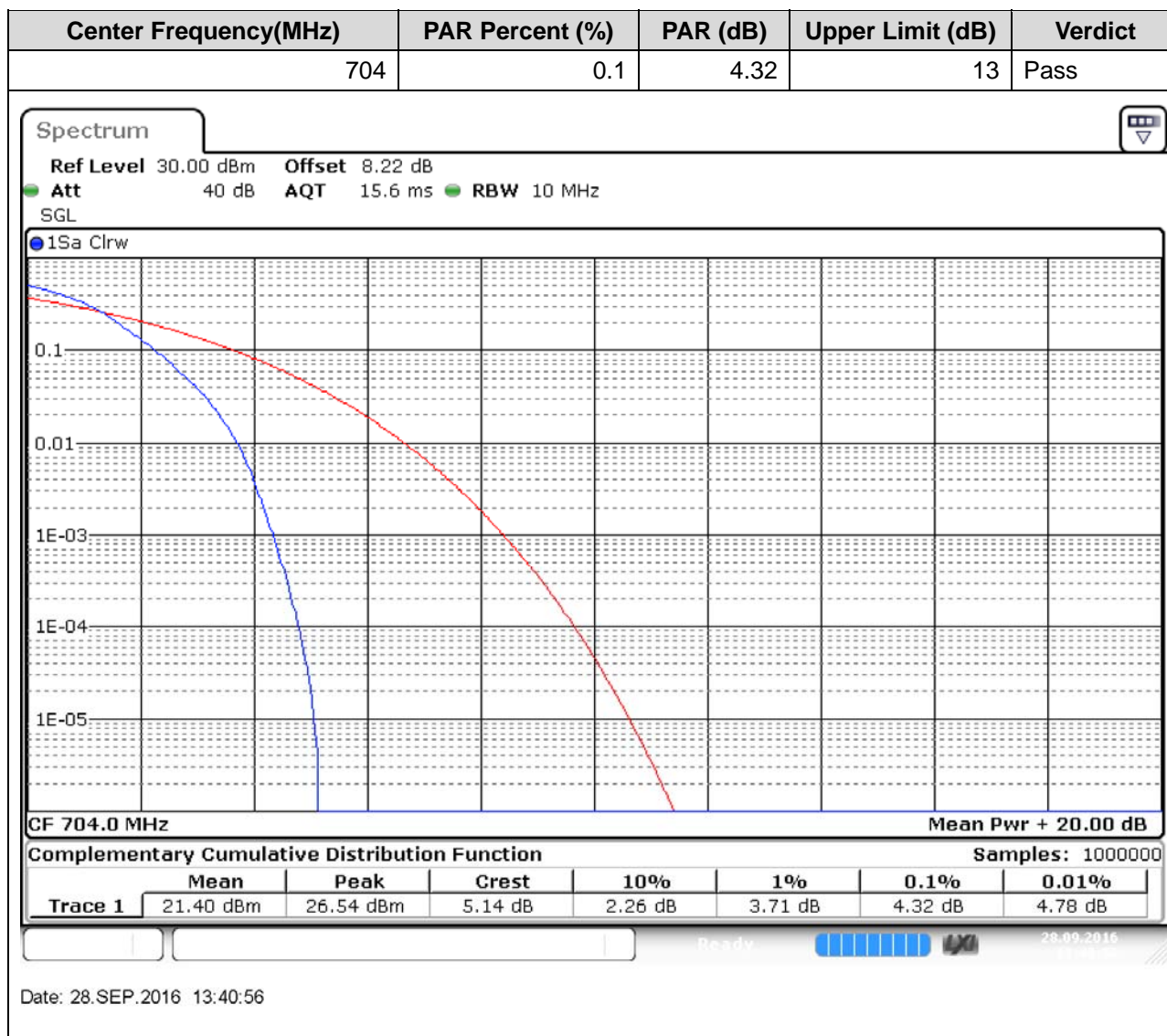# A.2. Peak to Average Ratio

1. LTE_Band12

1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	3.39	13	Pass

Spectrum

Ref Level 30.00 dBm   Offset 8.22 dB
Att   40 dB   AQT   15.6 ms   RBW 10 MHz
SGL
1Sa Clrw

0.1
0.01
1E-03
1E-04
1E-05

CF 704.0 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 1000000

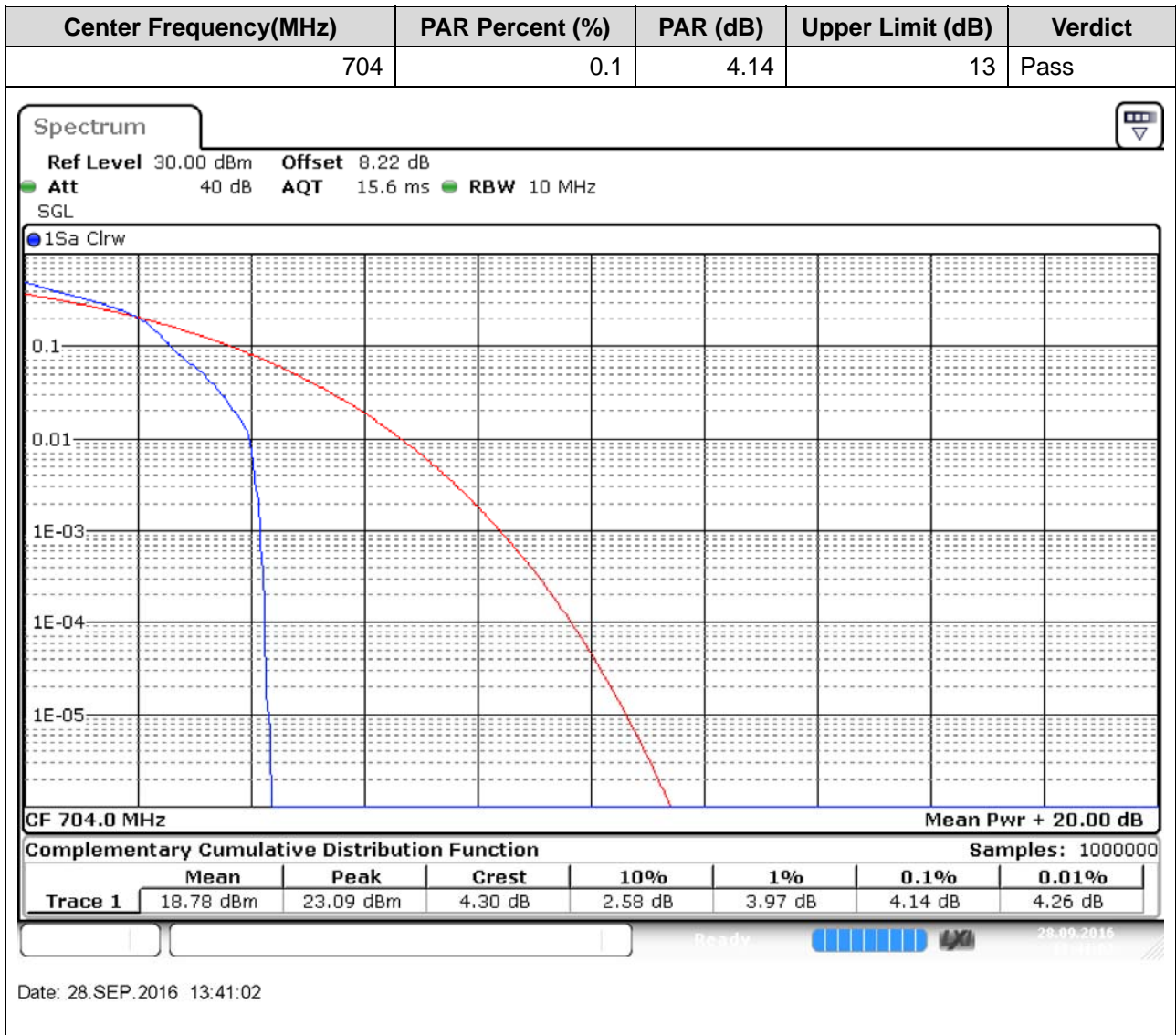|	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	19.49 dBm	23.01 dBm	3.52 dB	2.23 dB	3.25 dB	3.39 dB	3.48 dB

Ready

Date: 28.SEP.2016 13:40:51

1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	4.32	13	Pass

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.40 dBm	26.54 dBm	5.14 dB	2.26 dB	3.71 dB	4.32 dB	4.78 dB

Date: 28.SEP.2016 13:40:56

1.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:23060, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	4.14	13	Pass

Complementary Cumulative Distribution Function   Samples: 1000000

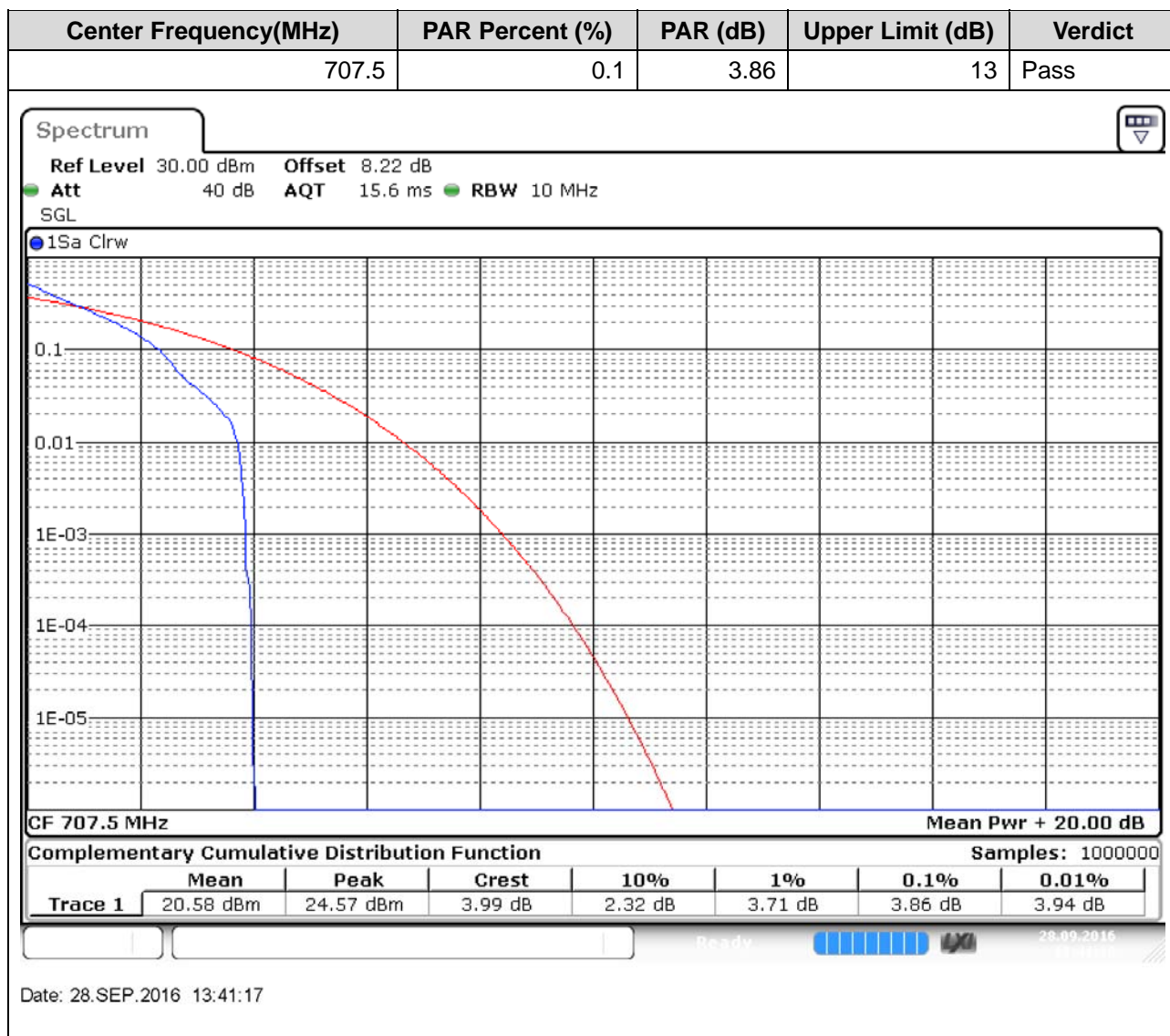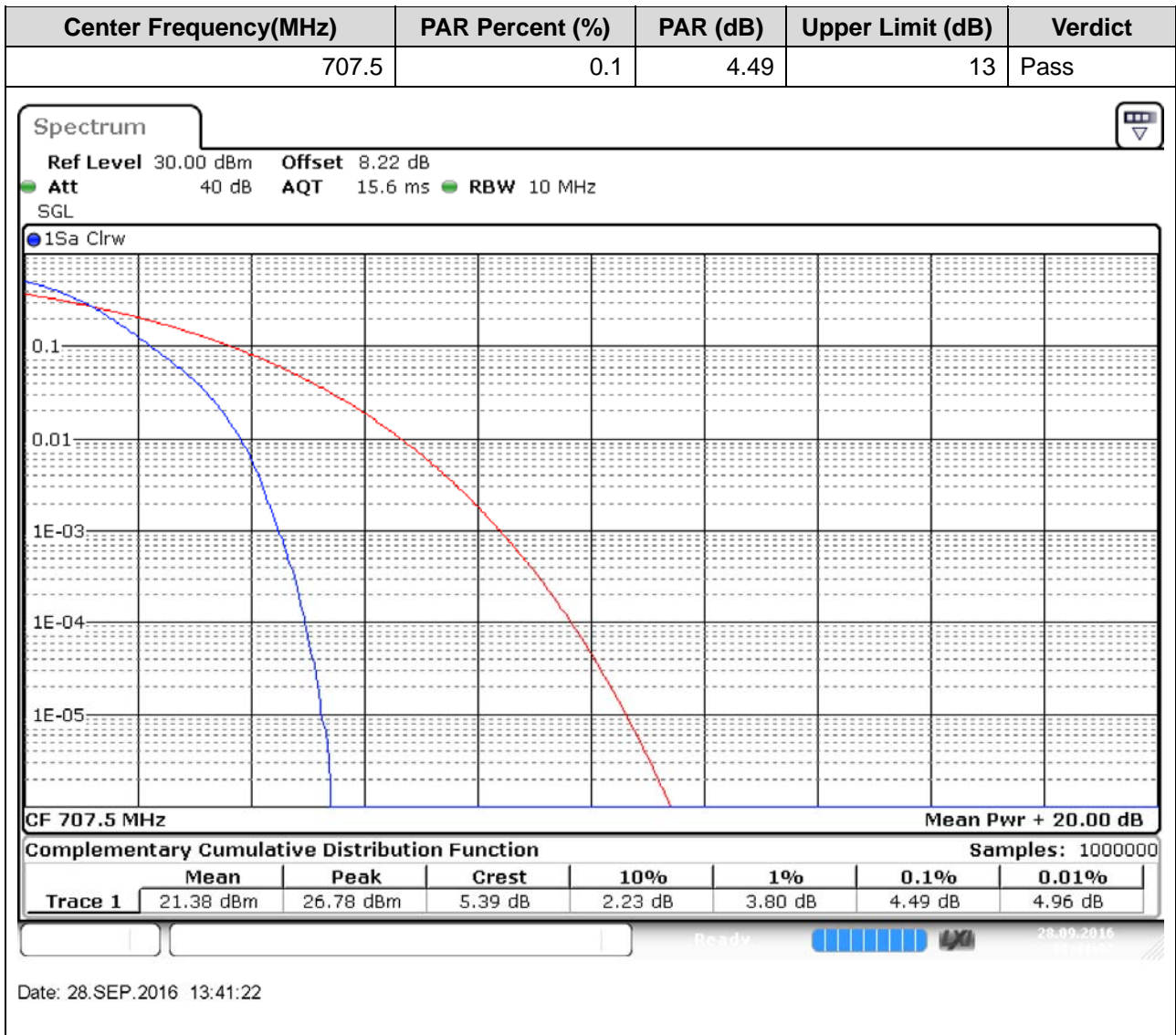|	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	18.78 dBm	23.09 dBm	4.30 dB	2.58 dB	3.97 dB	4.14 dB	4.26 dB

Date: 28.SEP.2016 13:41:02

1.4. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	3.86	13	Pass

Spectrum

Ref Level 30.00 dBm   Offset 8.22 dB
Att   40 dB   AQT   15.6 ms   RBW 10 MHz
SGL

1Sa Clrw

CF 707.5 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 1000000

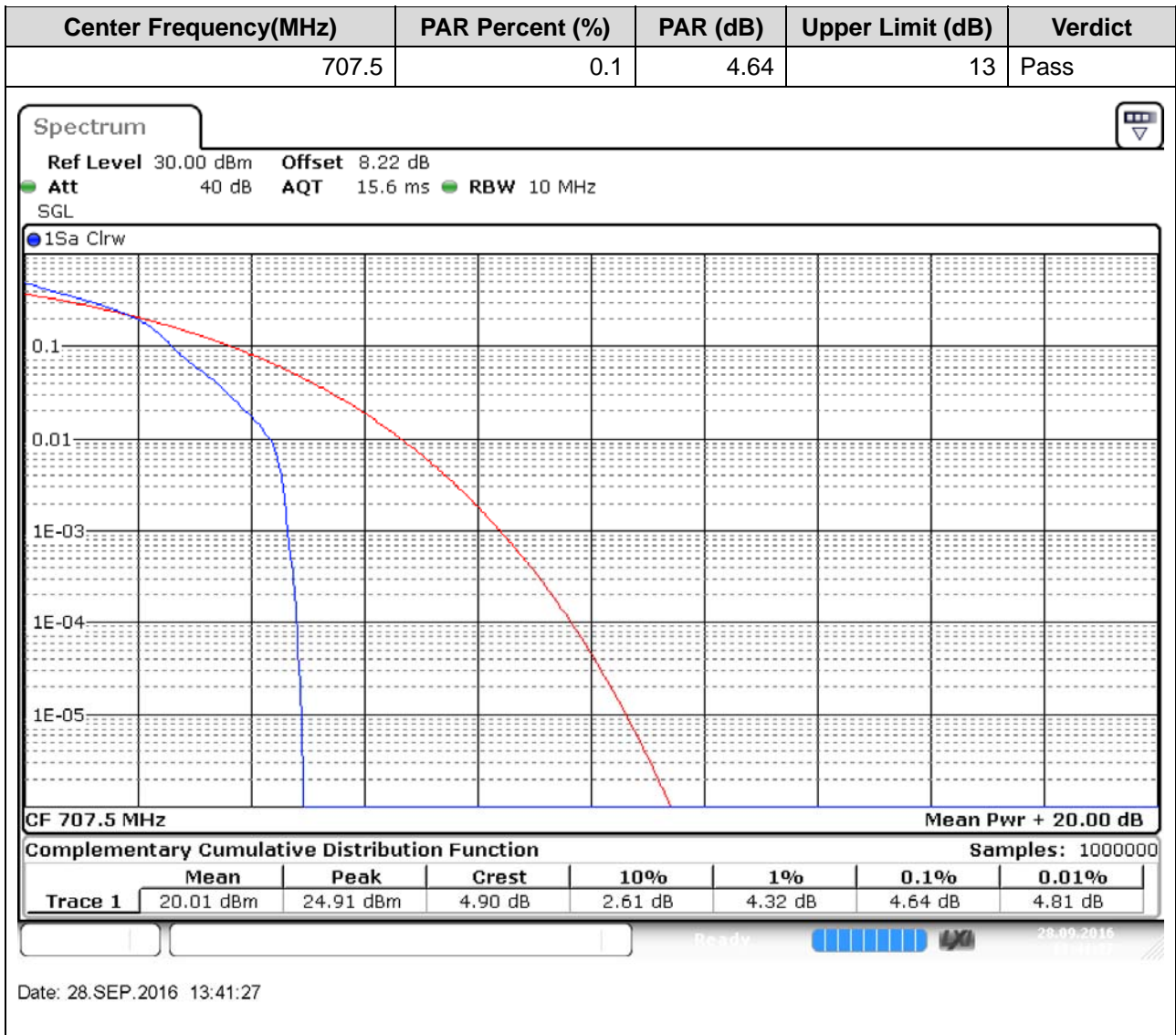|	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.58 dBm	24.57 dBm	3.99 dB	2.32 dB	3.71 dB	3.86 dB	3.94 dB

Date: 28.SEP.2016 13:41:17

1.5. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	4.49	13	Pass

Spectrum

Ref Level 30.00 dBm   Offset 8.22 dB
Att   40 dB   AQT   15.6 ms   RBW 10 MHz
SGL
1Sa Clrw

CF 707.5 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.38 dBm	26.78 dBm	5.39 dB	2.23 dB	3.80 dB	4.49 dB	4.96 dB

Date: 28.SEP.2016 13:41:22

1.6. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:23095, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

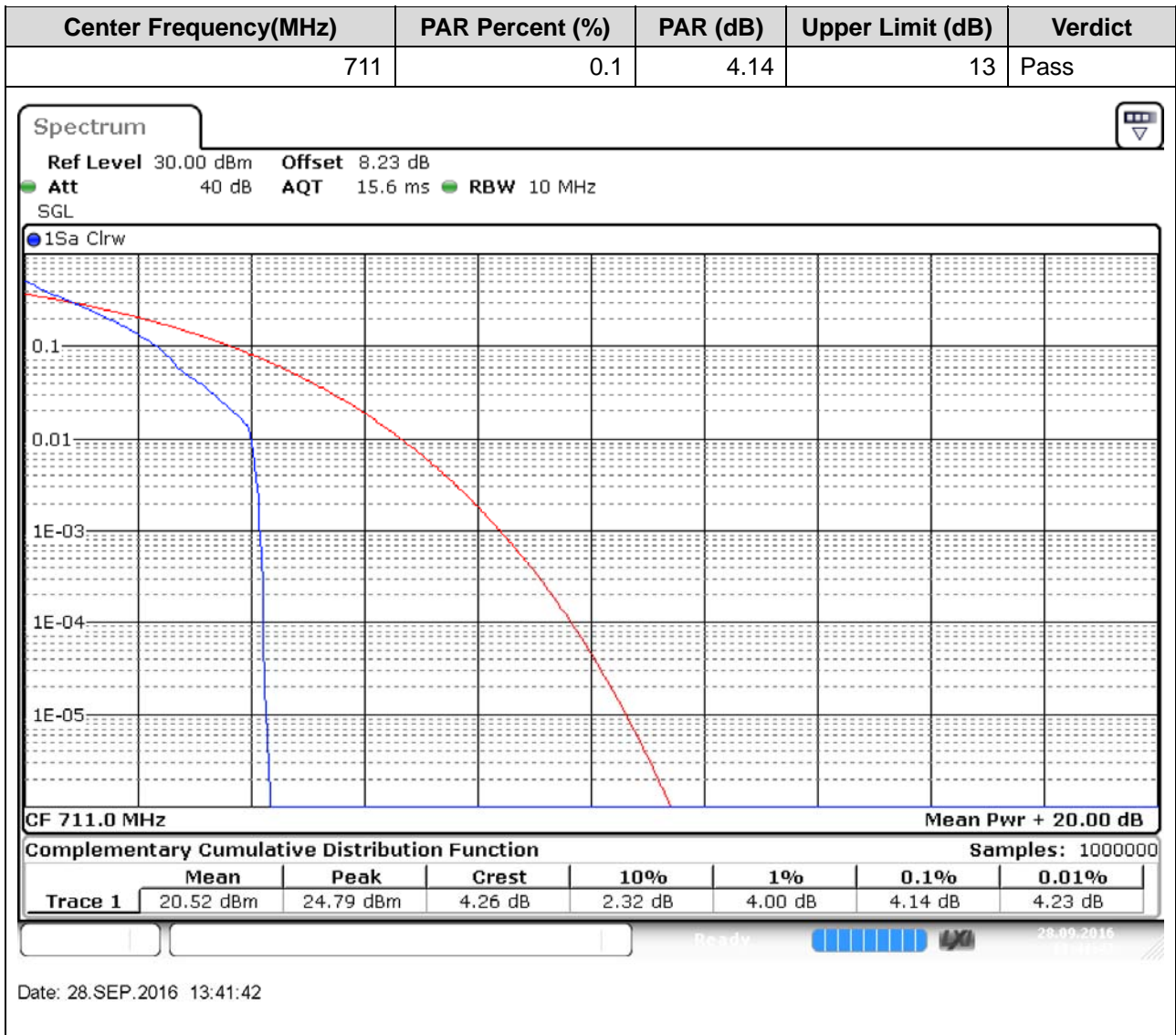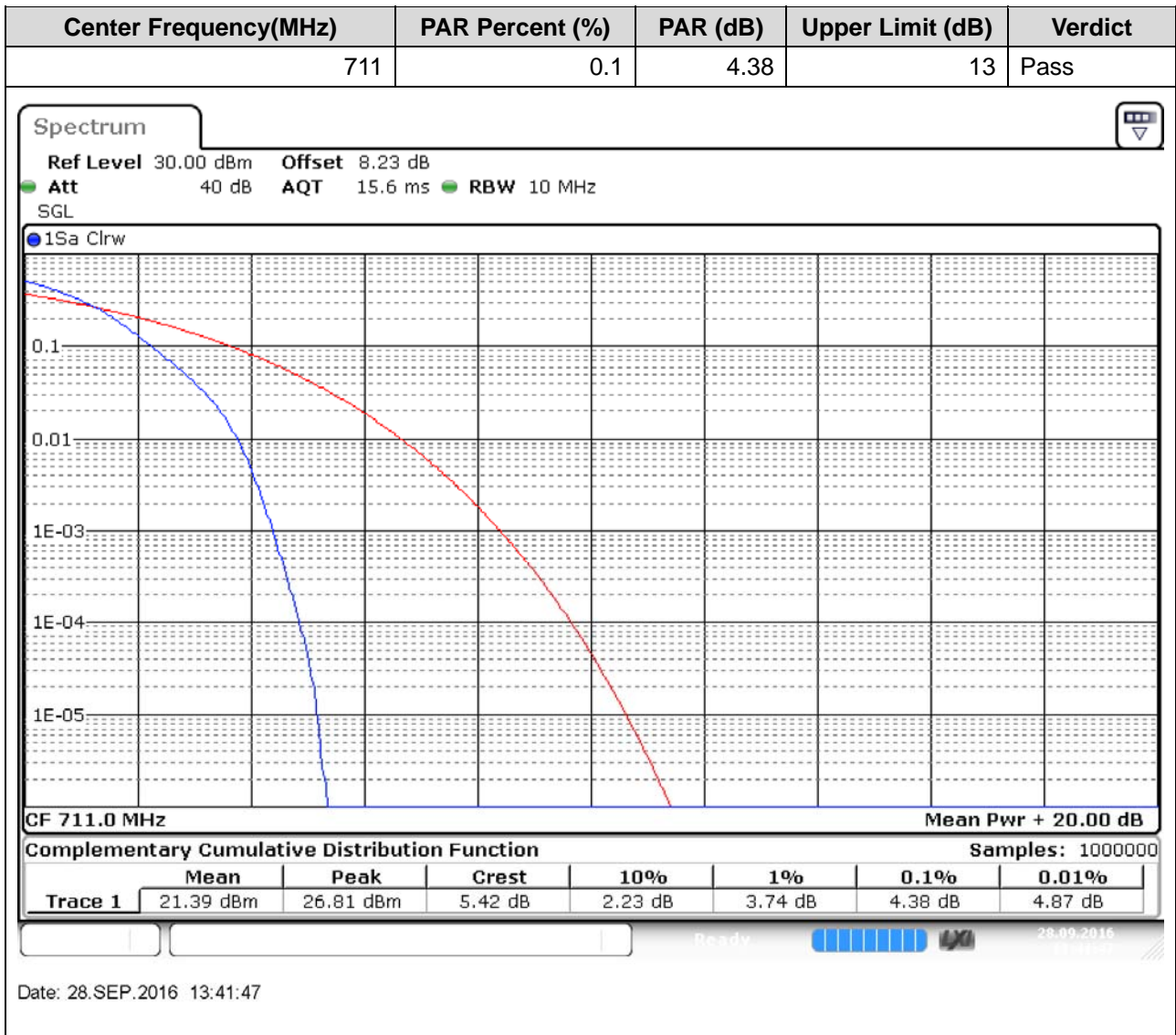| Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	4.64	13	Pass

Date: 28.SEP.2016 13:41:27

1.7. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	4.14	13	Pass

Spectrum

Ref Level 30.00 dBm   Offset 8.23 dB
● Att   40 dB   AQT   15.6 ms ● RBW 10 MHz
SGL

● 1Sa Clrw

CF 711.0 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.52 dBm	24.79 dBm	4.26 dB	2.32 dB	4.00 dB	4.14 dB	4.23 dB

Date: 28.SEP.2016 13:41:42

1.8. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	4.38	13	Pass

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.39 dBm	26.81 dBm	5.42 dB	2.23 dB	3.74 dB	4.38 dB	4.87 dB

Date: 28.SEP.2016 13:41:47

1.9. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:23130, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	4.99	13	Pass

Spectrum

Ref Level 30.00 dBm   Offset 8.23 dB
Att   40 dB   AQT   15.6 ms   RBW 10 MHz
SGL
1Sa Clrw

CF 711.0 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	19.81 dBm	24.90 dBm	5.08 dB	2.61 dB	4.58 dB	4.99 dB	5.04 dB

Date: 28.SEP.2016 13:41:53