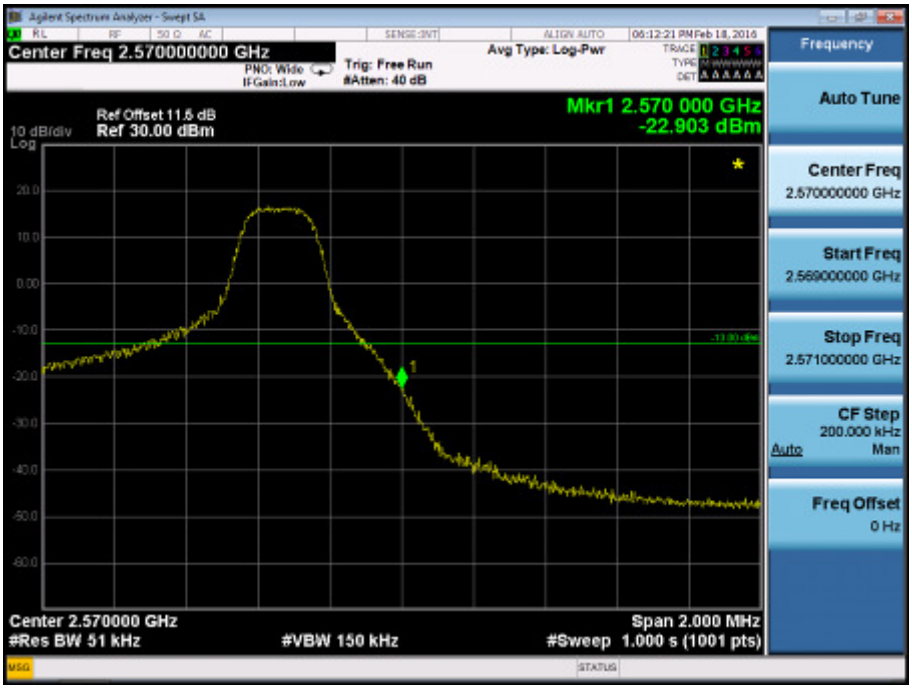
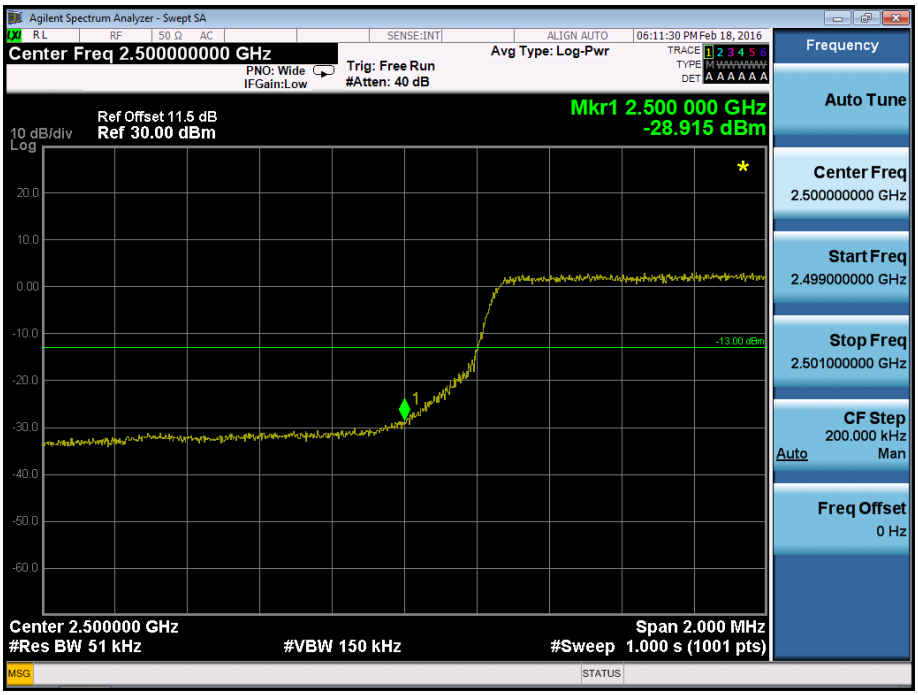
ATTACHMENTE - BAND EDGE

Band Edge on Configuration LTE Band VII QPSK-5M / 1RB
Channel Lowest-CONDUCTED MODE

Band Edge on Configuration LTE Band VII QPSK-5M / 1RB
Channel Highest-CONDUCTED MODE

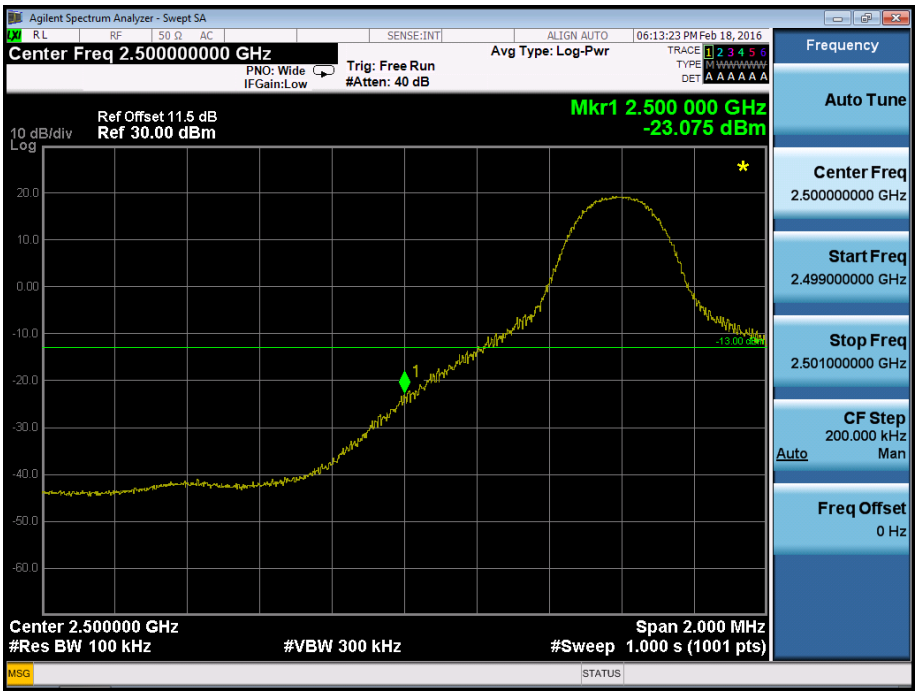


Band Edge on Configuration LTE Band VII QPSK-5M / 25RB
Channel Lowest-CONDUCTED MODE

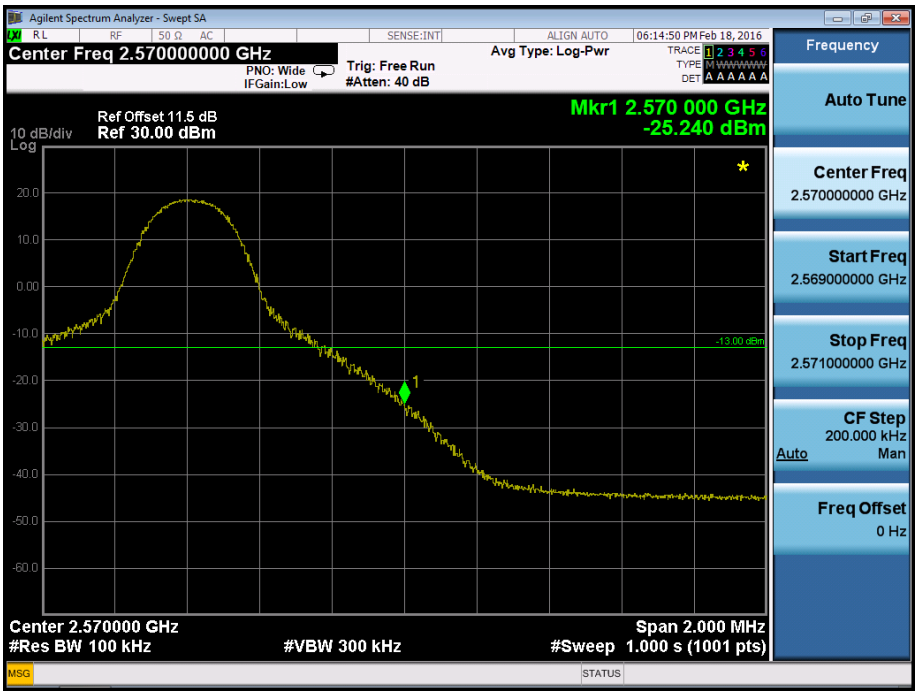


Band Edge on Configuration LTE Band VII QPSK-5M / 25RB
Channel Highest-CONDUCTED MODE

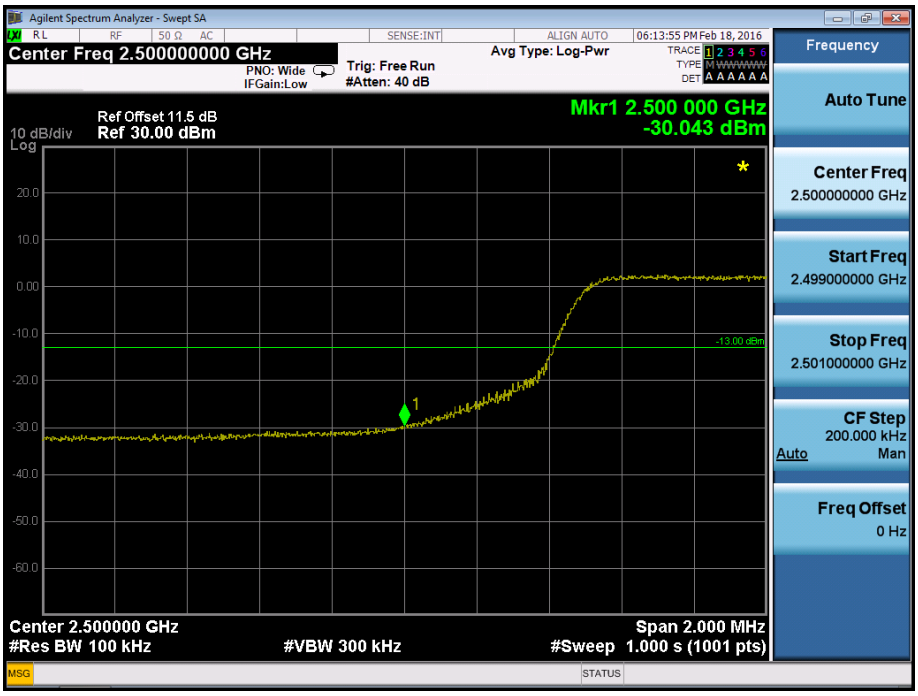
Band Edge on Configuration LTE Band VII QPSK-10M / 1RB
Channel Lowest-CONDUCTED MODE



Band Edge on Configuration LTE Band VII QPSK-10M / 1RB
Channel Highest-CONDUCTED MODE



Band Edge on Configuration LTE Band VII QPSK-10M / 50RB
Channel Lowest-CONDUCTED MODE

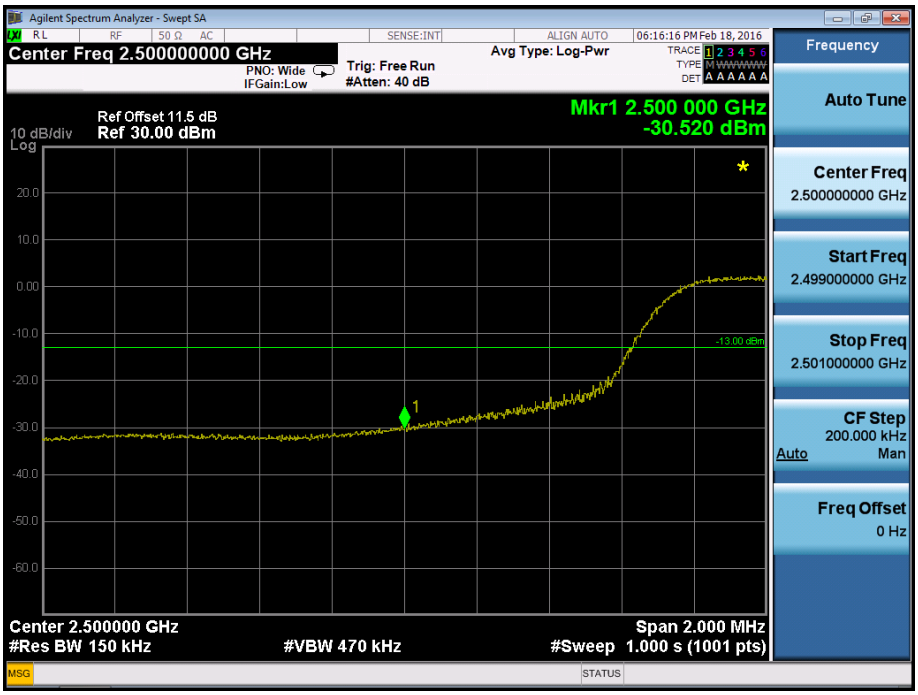


Band Edge on Configuration LTE Band VII QPSK-10M / 50RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band VII QPSK-15M / 1RB
Channel Lowest-CONDUCTED MODE

Band Edge on Configuration LTE Band VII QPSK-15M / 1RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band VII QPSK-15M / 75RB
Channel Lowest-CONDUCTED MODE

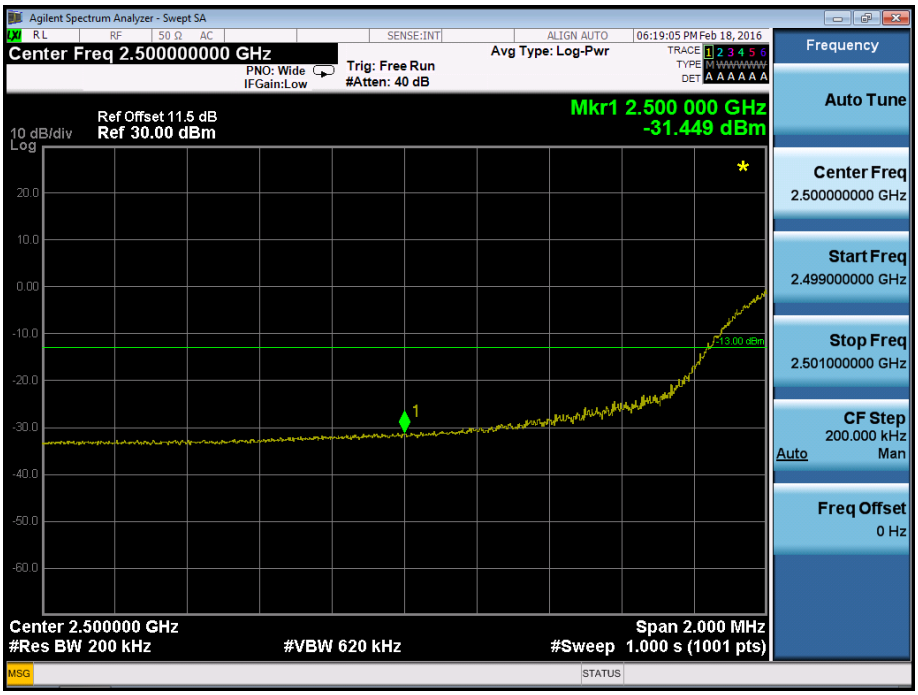


Band Edge on Configuration LTE Band VII QPSK-15M / 75RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band VII QPSK-20M / 1RB
Channel Lowest-CONDUCTED MODE

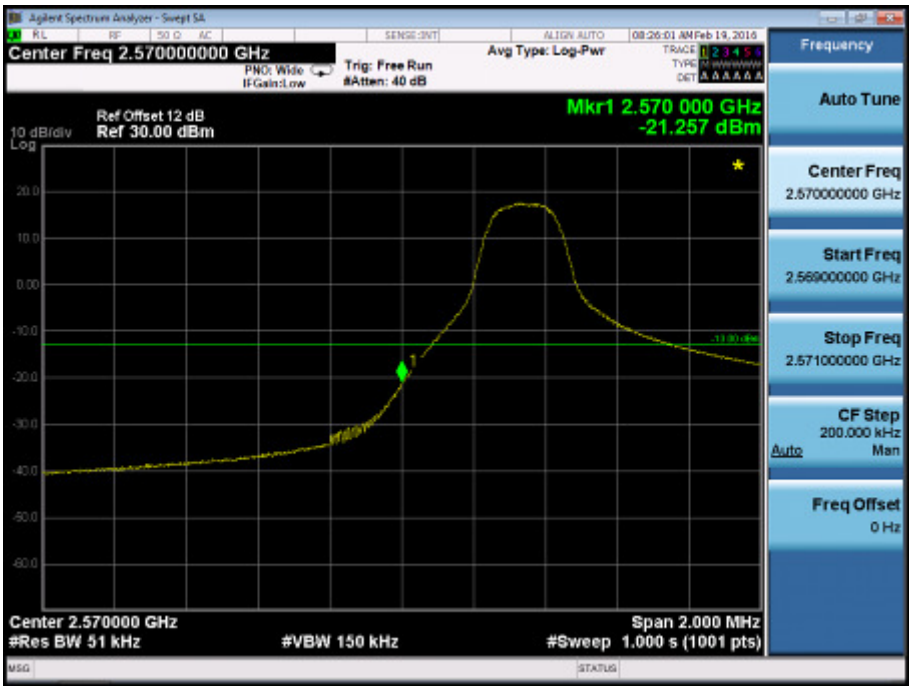
Band Edge on Configuration LTE Band VII QPSK-20M / 1RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band VII QPSK-20M / 100RB
Channel Lowest-CONDUCTED MODE



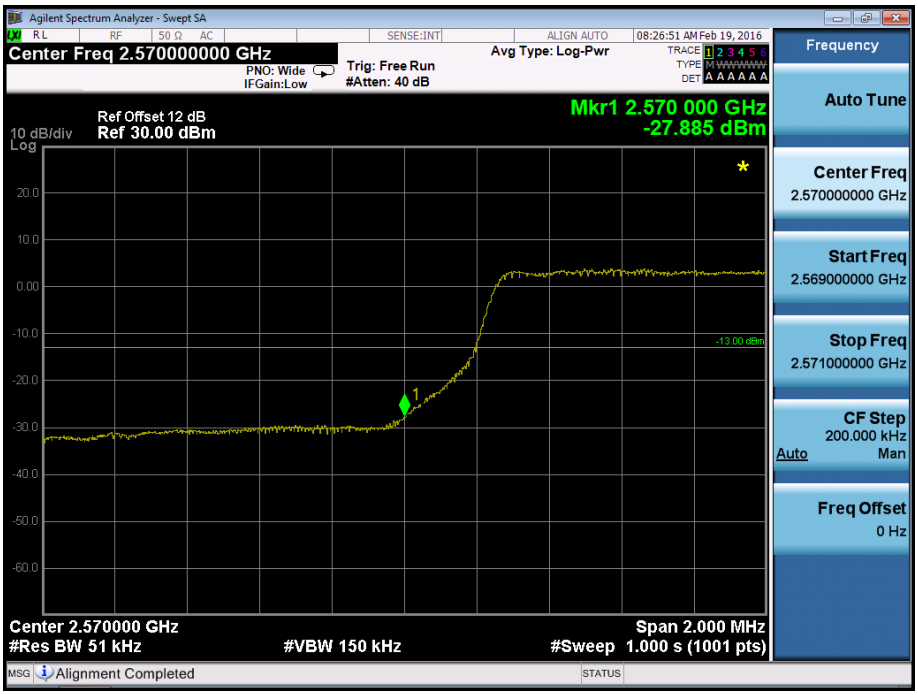
Band Edge on Configuration LTE Band VII QPSK-20M / 100RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-5M / 1RB
Channel Lowest-CONDUCTED MODE



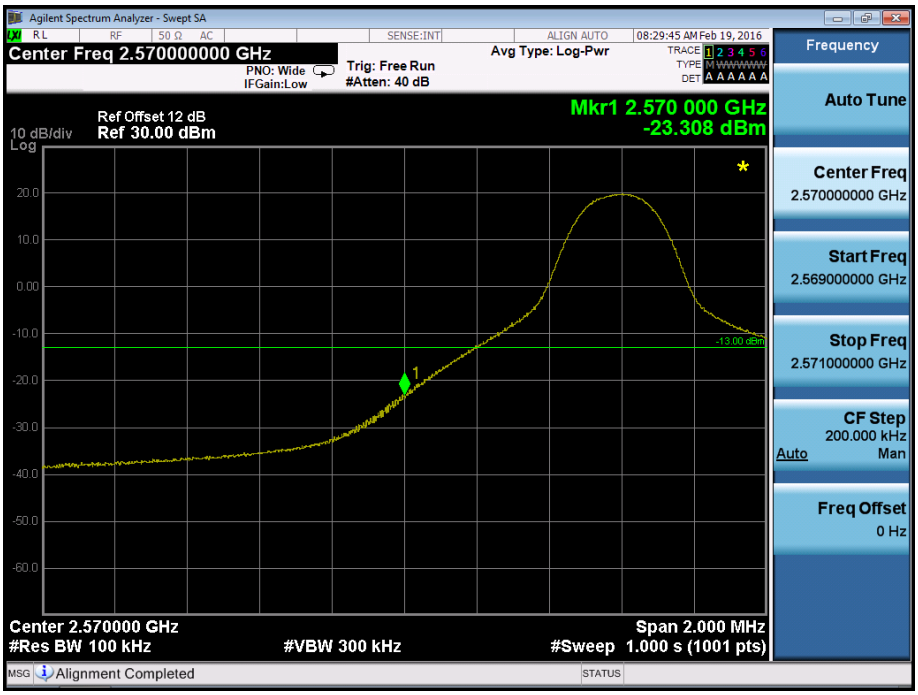
Band Edge on Configuration LTE Band XXXVIII QPSK-5M / 1RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-5M / 25RB
Channel Lowest-CONDUCTED MODE



Band Edge on Configuration LTE Band XXXVIII QPSK-5M / 25RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-10M / 1RB
Channel Lowest-CONDUCTED MODE



Band Edge on Configuration LTE Band XXXVIII QPSK-10M / 1RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-10M / 50RB Channel Lowest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-10M / 50RB Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-15M / 1RB
Channel Lowest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-15M / 1RB
Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-15M / 75RB Channel Lowest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-15M / 75RB Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-20M / 1RB Channel Lowest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-20M / 1RB Channel Highest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-20M / 100RB Channel Lowest-CONDUCTED MODE

Band Edge on Configuration LTE Band XXXVIII QPSK-20M / 100RB Channel Highest-CONDUCTED MODE

ATTACHMENTF - FREQUENCY STABILITY

Test Mode:	LTE Band VII QPSKChannel Middle 5M/1RB 0 offset

Voltage vs. Frequency Stabi ility

Temperature(℃)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	6.67	0.002631164	2.5
10	3.64	0.001435897	2.5
20	-3.81	0.001502959	2.5
30	0.59	0.000232742	2.5
40	2.94	0.001159763	2.5
Max. Deviation (ppm)	**6.67**	**0.002631164**	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
102	3.76	0.001483235	2.5
108	-3.66	0.001443787	2.5
132	-3.56	0.001404339	2.5
Max. Deviation (ppm)	**3.76**	**0.001483235**	2.5

Test Mode:	LTE Band VII QPSKChannel Middle 10M/1RB 0 offset

Voltage vs. Frequency Stabi ility

Temperature(℃)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	2.81	0.001108481	2.5
10	4.69	0.001850099	2.5
20	-1.48	0.000583826	2.5
30	3.65	0.001439842	2.5
40	-3.48	0.001372781	2.5
Max. Deviation (ppm)	**4.69**	**0.001850099**	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
102	4.82	0.001901381	2.5
108	-2.58	0.001017751	2.5
132	-1.26	0.000497041	2.5
Max. Deviation (ppm)	**4.82**	**0.001901381**	2.5

Test Mode:	LTE Band VII QPSKChannel Middle 15M/1RB 0 offset

Voltage vs. Frequency Stabi ility

Temperature(℃)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	0.84	0.000331361	2.5
10	-1.76	0.00069428	2.5
20	-1.58	0.000623274	2.5
30	3.82	0.001506903	2.5
40	2.69	0.001061144	2.5
Max. Deviation (ppm)	**2.69**	**0.001506903**	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
102	-2.96	0.001167653	2.5
108	0.72	0.000284024	2.5
132	1.67	0.000658777	2.5
Max. Deviation (ppm)	**2.96**	**0.001167653**	2.5

Test Mode:	LTE Band VII QPSKChannel Middle 20M/1RB 0 offset

Voltage vs. Frequency Stabi ility

Temperature(℃)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	1.63	0.000642998	2.5
10	-3.67	0.001447732	2.5
20	-1.46	0.000575937	2.5
30	-3.48	0.001372781	2.5
40	3.82	0.001506903	2.5
Max. Deviation (ppm)	**3.82**	**0.001506903**	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
102	1.62	0.000639053	2.5
108	-4.38	0.001727811	2.5
132	-3.84	0.001514793	2.5
Max. Deviation (ppm)	**4.38**	**0.001727811**	2.5

Test Mode:	LTE Band XXXVIII QPSKChannel Middle 5M/1RB 0 offset

Voltage vs. Frequency Stabi ility

Temperature(℃)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-2.86	0.001102119	2.5
10	6.63	0.002554913	2.5
20	1.81	0.000697495	2.5
30	-3.92	0.001510597	2.5
40	-3.61	0.001391137	2.5
Max. Deviation (ppm)	**6.63**	**0.002554913**	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
102	3.48	0.00134104	2.5
108	-6.67	0.002570328	2.5
132	-3.73	0.00143738	2.5
Max. Deviation (ppm)	**6.67**	**0.002570328**	2.5

Test Mode:	LTE Band XXXVIII QPSKChannel Middle 10M/1RB 0 offset

Voltage vs. Frequency Stabi ility

Temperature(℃)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	3.29	0.001267823	2.5
10	-4.62	0.001780347	2.5
20	-2.94	0.001132948	2.5
30	-3.68	0.001418112	2.5
40	-3.52	0.001356455	2.5
Max. Deviation (ppm)	**3.29**	**0.001780347**	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
102	-2.62	0.001009634	2.5
108	5.92	0.00228131	2.5
132	0.97	0.000373796	2.5
Max. Deviation (ppm)	**5.92**	**0.00228131**	2.5

Test Mode:	LTE Band XXXVIII QPSKChannel Middle 15M/1RB 0 offset

Voltage vs. Frequency Stabi ility

Temperature(℃)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	3.54	0.001364162	2.5
10	-5.93	0.002285164	2.5
20	-2.21	0.000851638	2.5
30	-1.32	0.000508671	2.5
40	3.46	0.001333333	2.5
Max. Deviation (ppm)	**5.93**	**0.002285164**	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
102	3.28	0.001263969	2.5
108	2.62	0.001009634	2.5
132	3.27	0.001260116	2.5
Max. Deviation (ppm)	**3.28**	**0.001263969**	2.5

Test Mode:	LTE Band XXXVIII QPSKChannel Middle 20M/1RB 0 offset

Voltage vs. Frequency Stabi ility

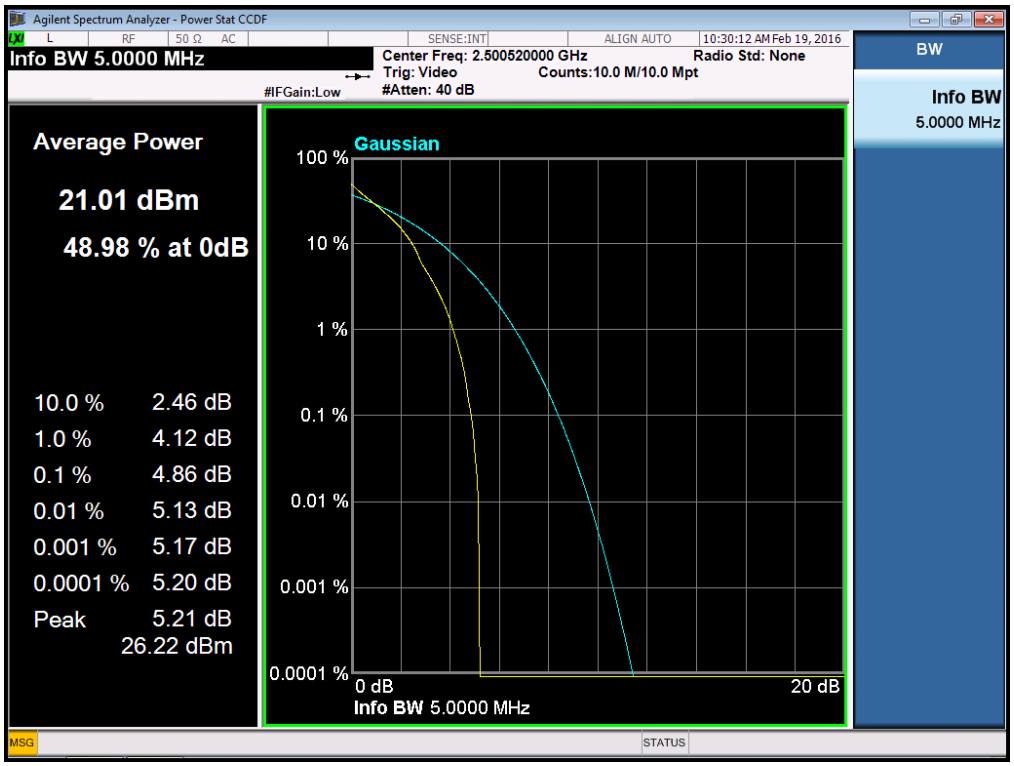
Temperature(℃)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-3.25	0.001252408	2.5
10	3.91	0.001506744	2.5
20	2.76	0.001063584	2.5
30	-2.19	0.000843931	2.5
40	2.23	0.000859345	2.5
Max. Deviation (ppm)	**3.91**	**0.001506744**	2.5

Voltage vs. Frequency Stability

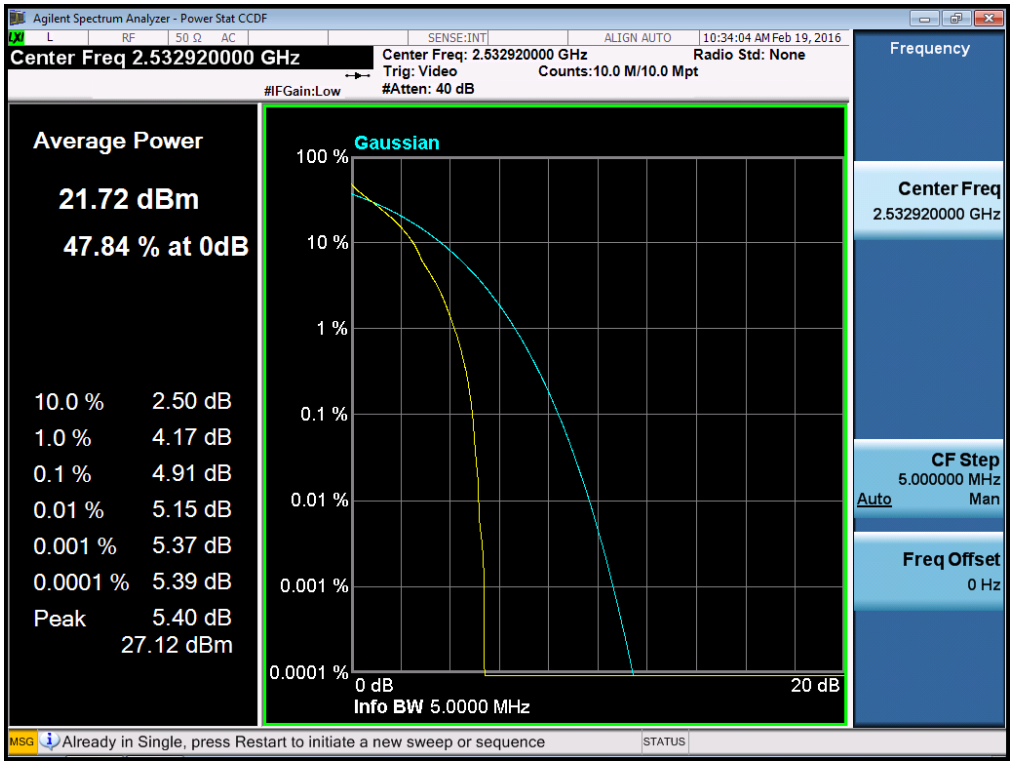
Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
102	-1.69	0.000651252	2.5
108	4.21	0.001622351	2.5
132	2.63	0.001013487	2.5
Max. Deviation (ppm)	**4.21**	**0.001622351**	2.5

ATTACHMENTG - PEAK TO AVERAGE RATIO

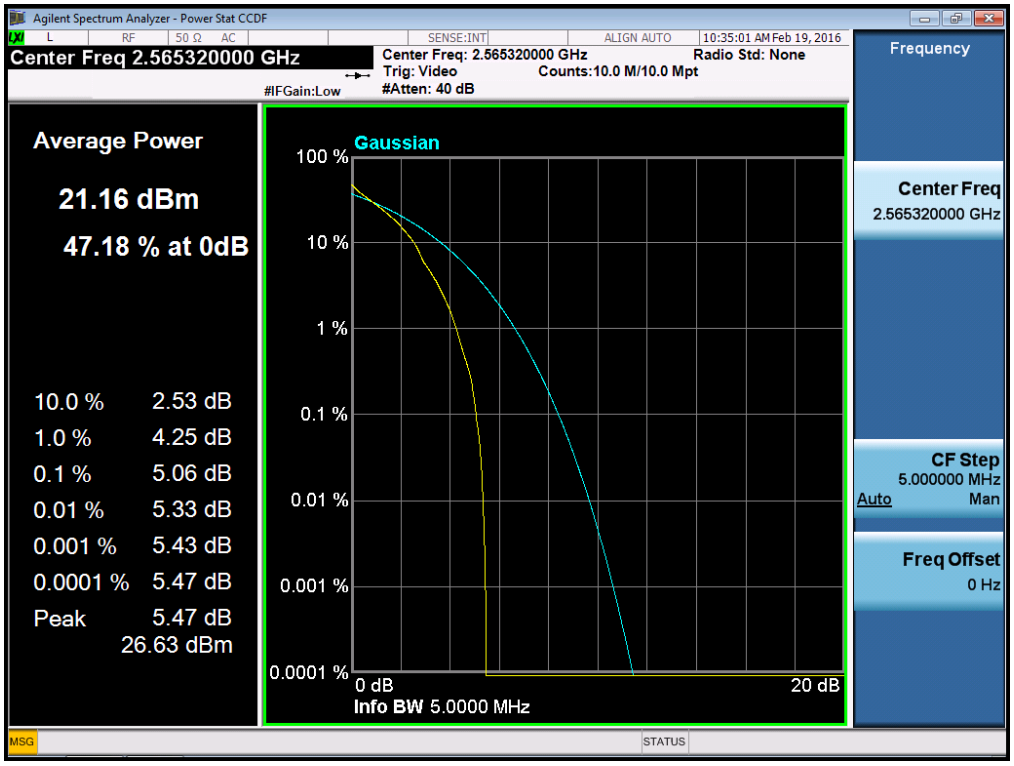
Peak to Average Ratio of Configuration-LTE Band VII QPSK-5M/1RB channel Lowest



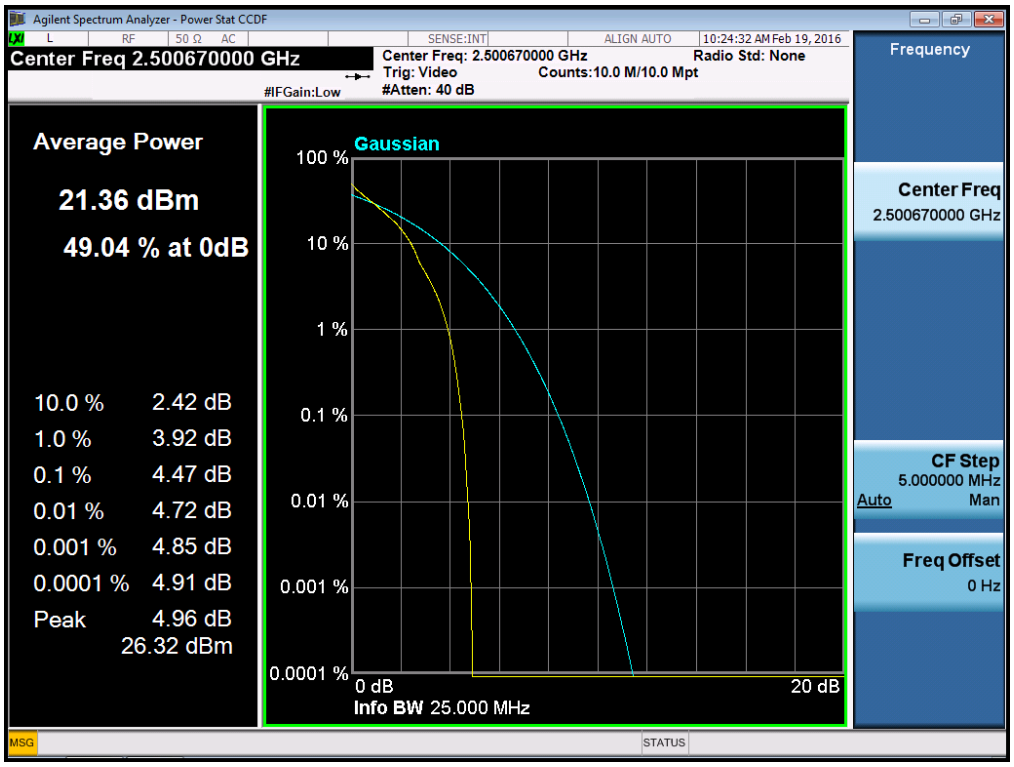
Peak to Average Ratio of Configuration-LTE Band VII QPSK-5M/1RB channel Middle



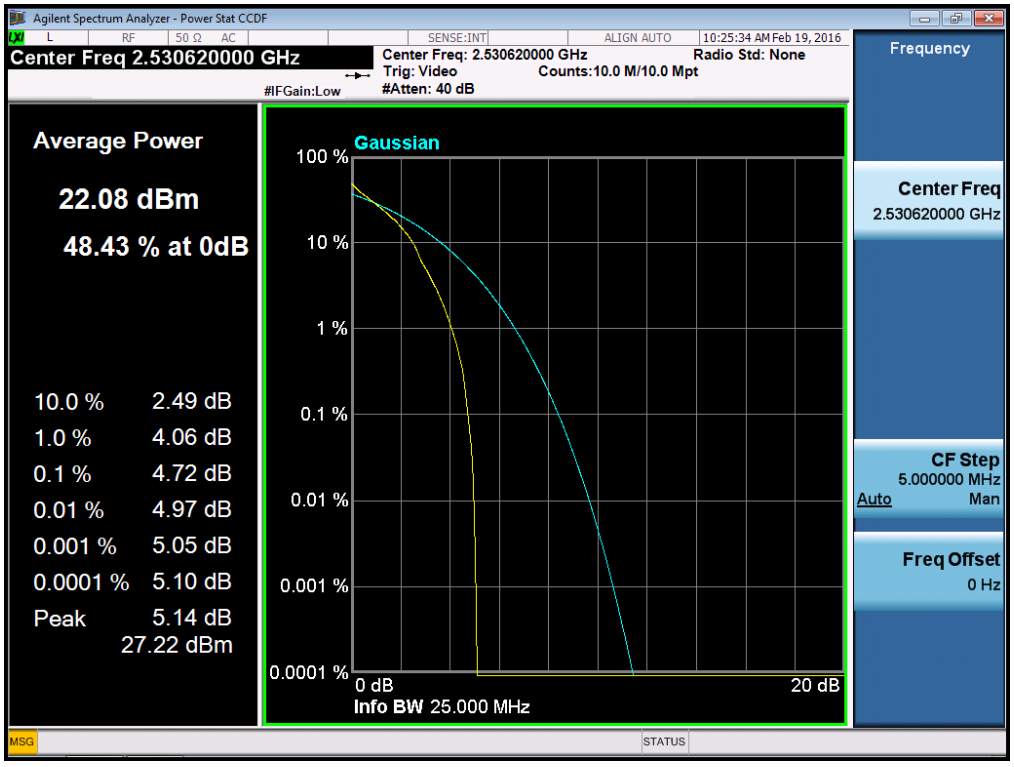
Peak to Average Ratio of Configuration-LTE Band VII QPSK-5M/1RB channel Highest



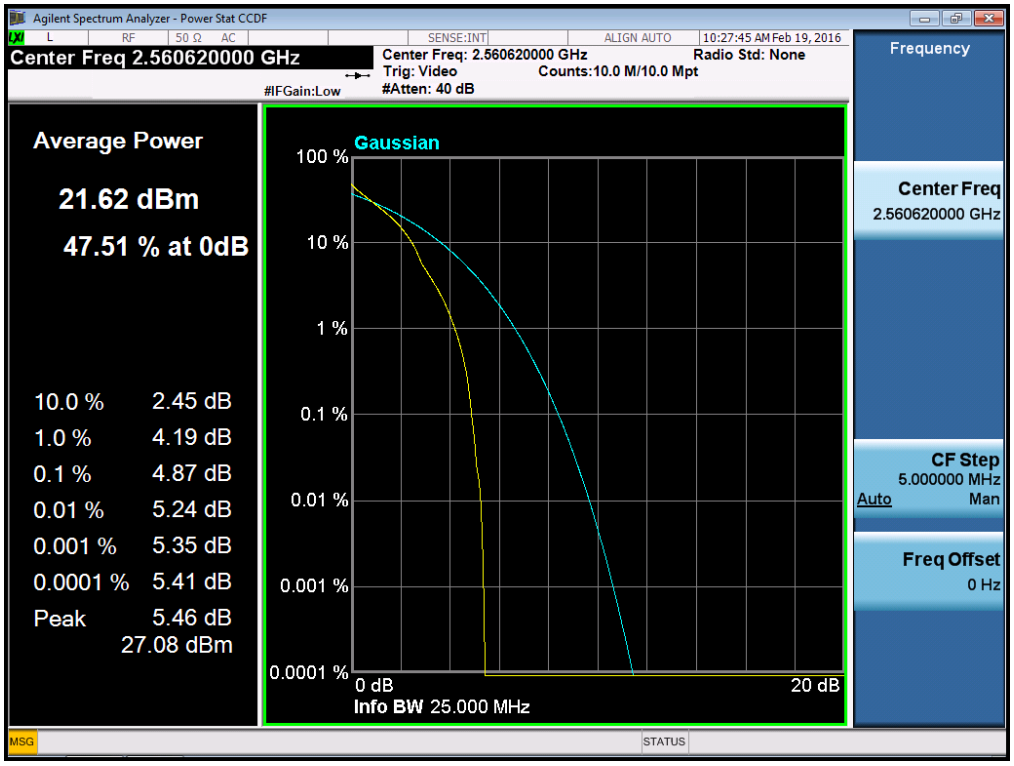
Peak to Average Ratio of Configuration-LTE Band VII QPSK-10M/1RB channel Lowest



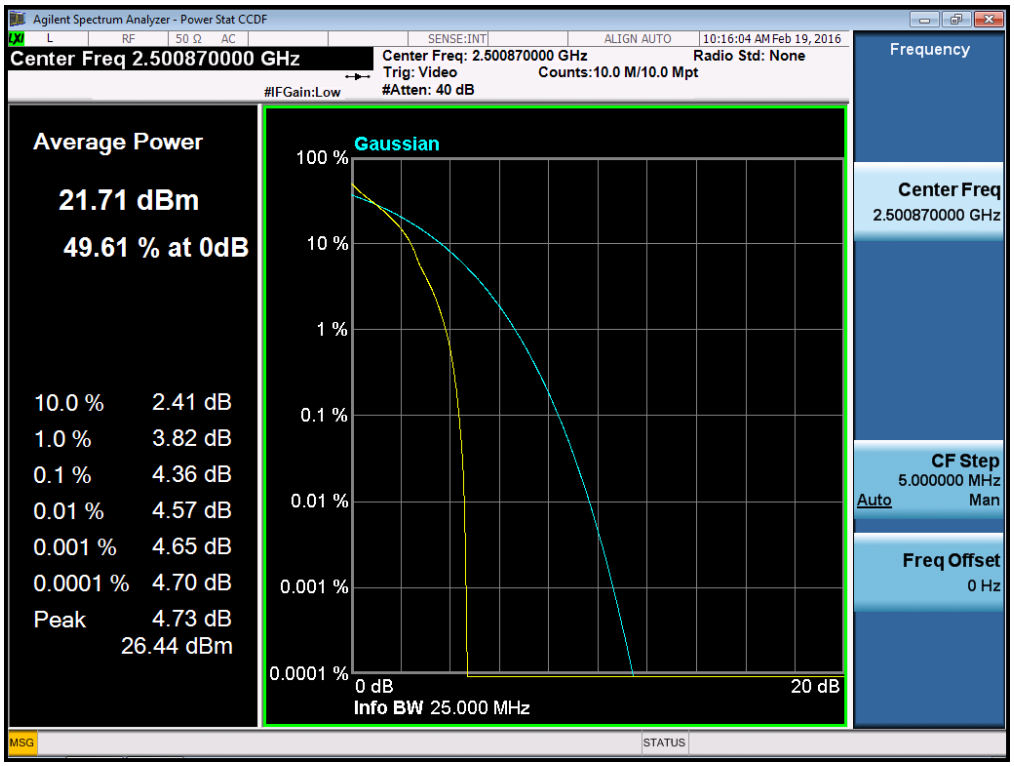
Peak to Average Ratio of Configuration-LTE Band VII QPSK-10M/1RB channel Middle



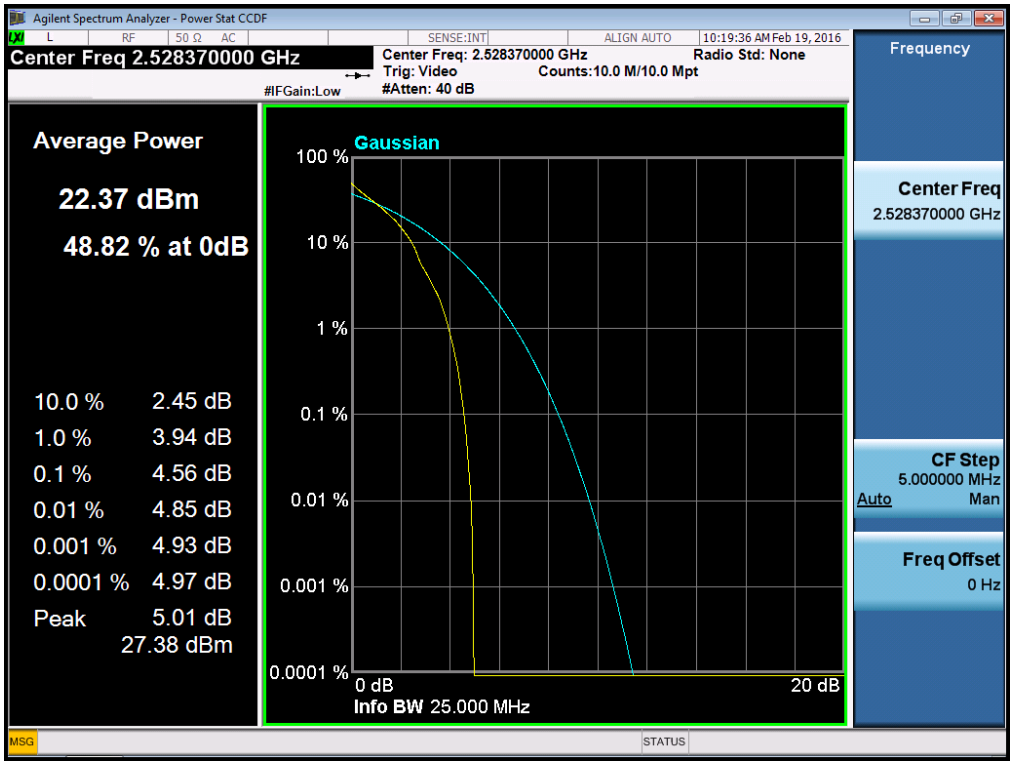
Peak to Average Ratio of Configuration-LTE Band VII QPSK-10M/1RB channel Highest



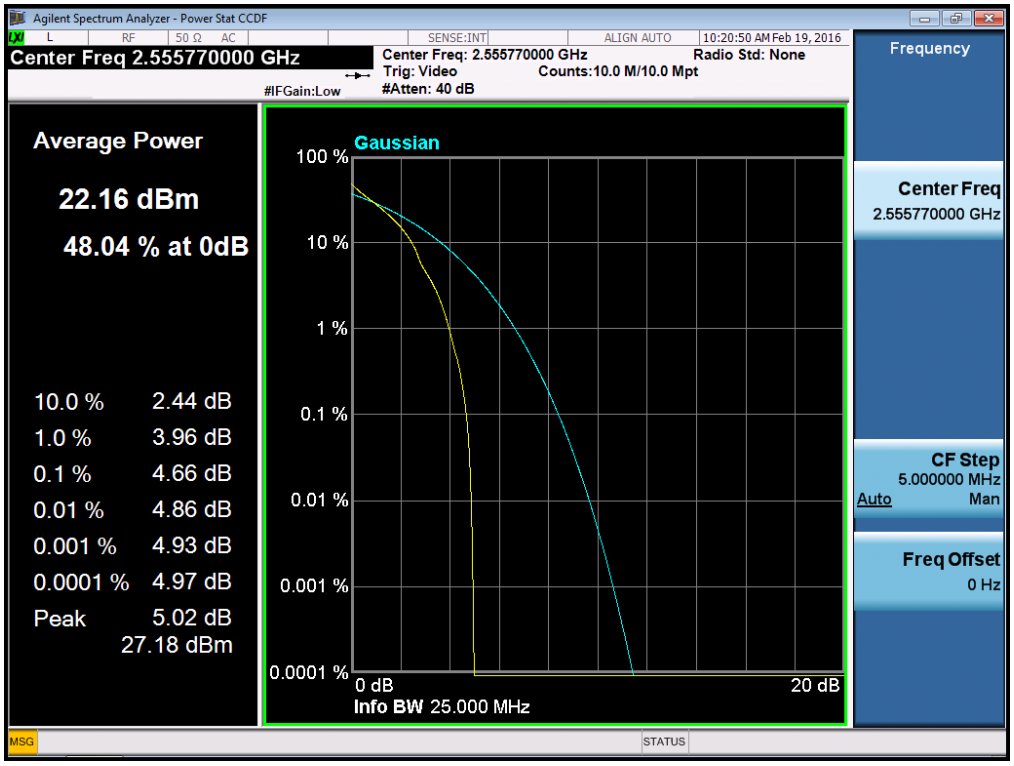
Peak to Average Ratio of Configuration-LTE Band VII QPSK-15M/1RB channel Lowest



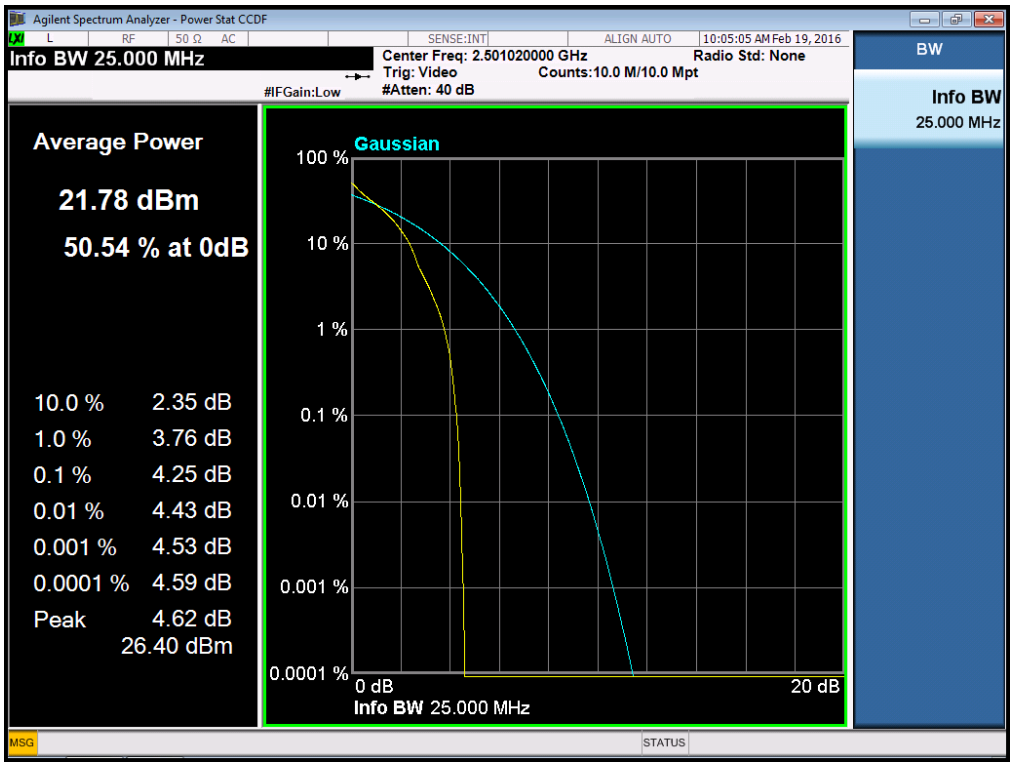
Peak to Average Ratio of Configuration-LTE Band VII QPSK-15M/1RB channel Middle



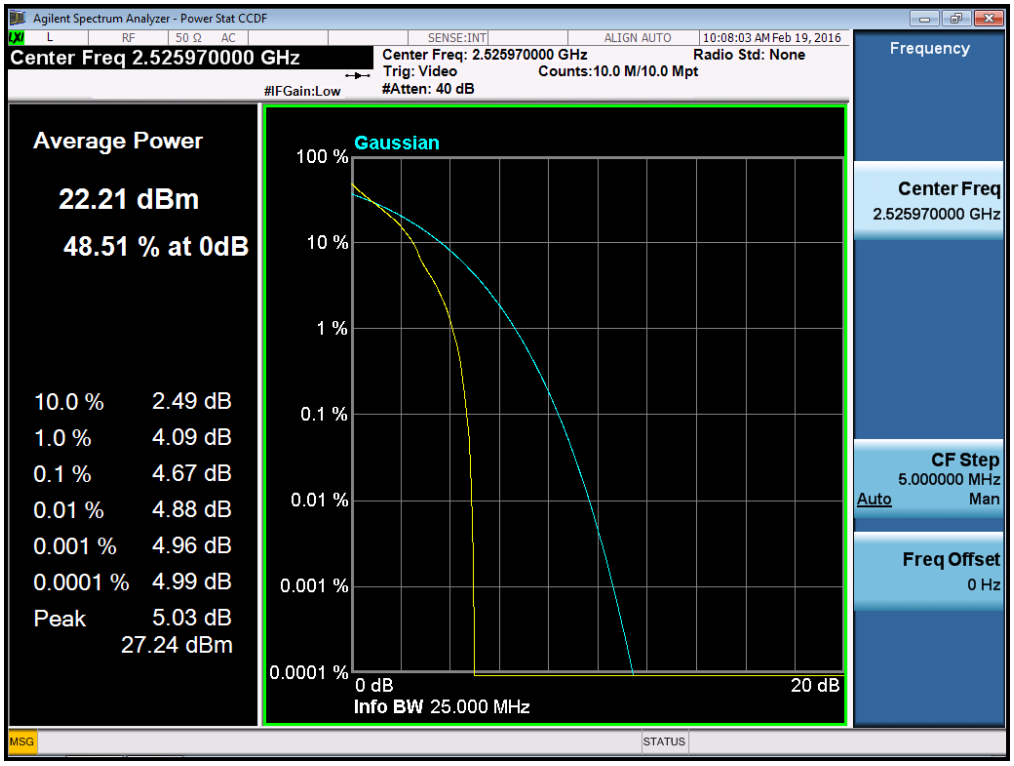
Peak to Average Ratio of Configuration-LTE Band VII QPSK-15M/1RB channel Highest



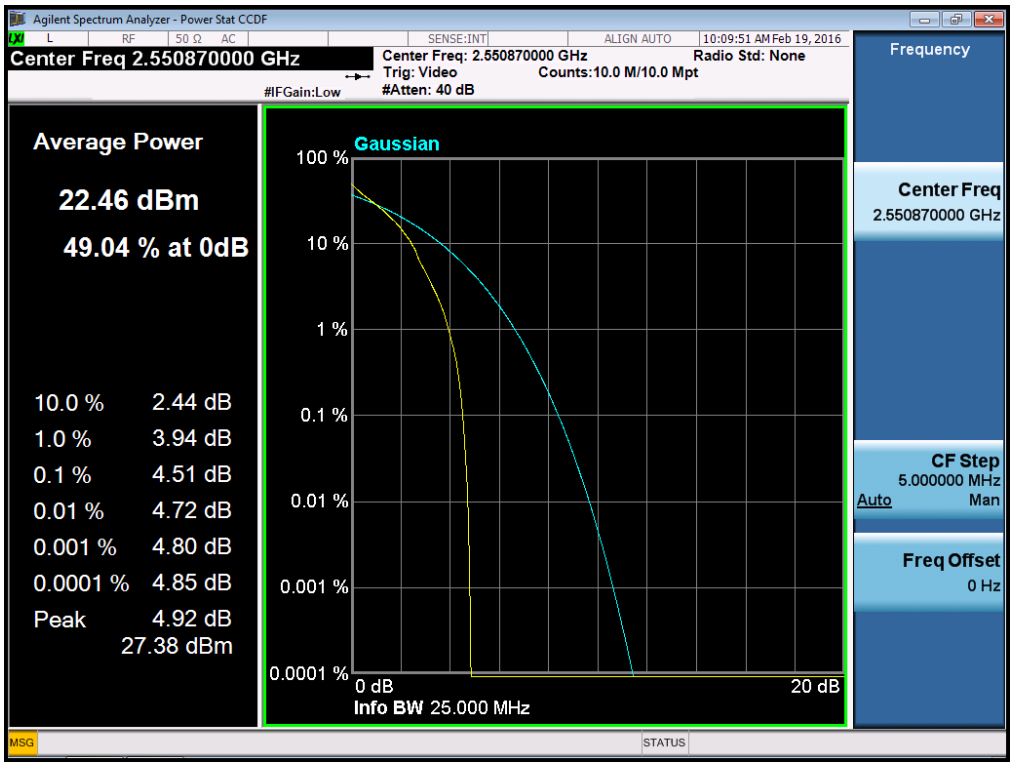
Peak to Average Ratio of Configuration-LTE Band VII QPSK-20M/1RB channel Lowest



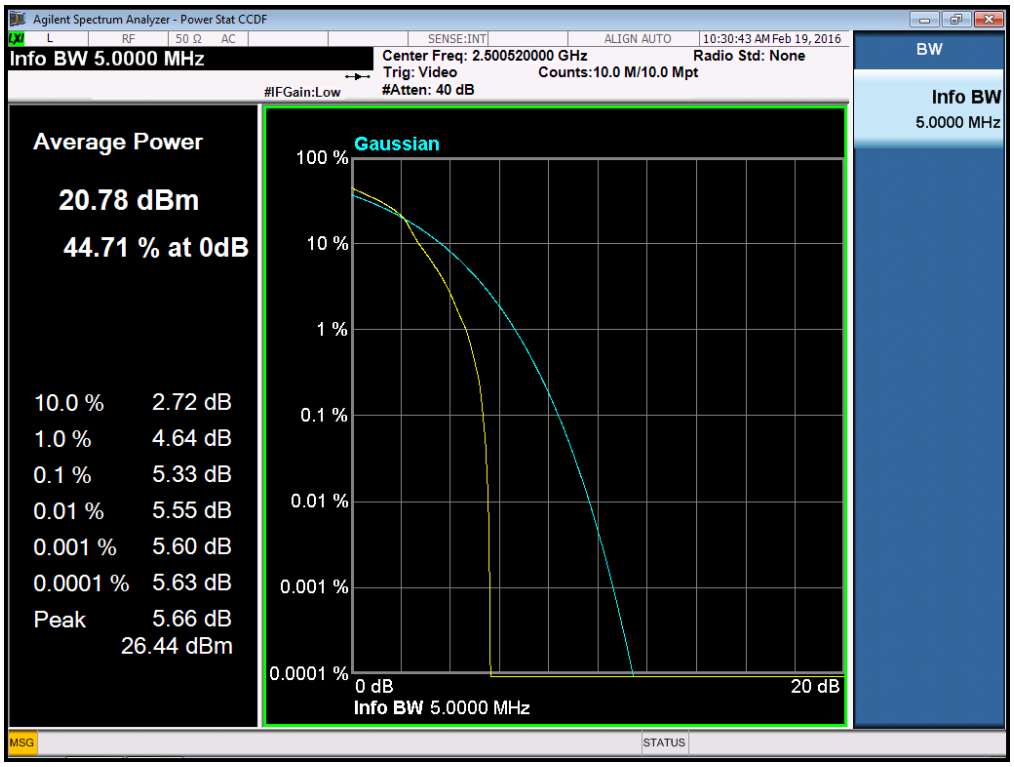
Peak to Average Ratio of Configuration-LTE Band VII QPSK-20M/1RB channel Middle



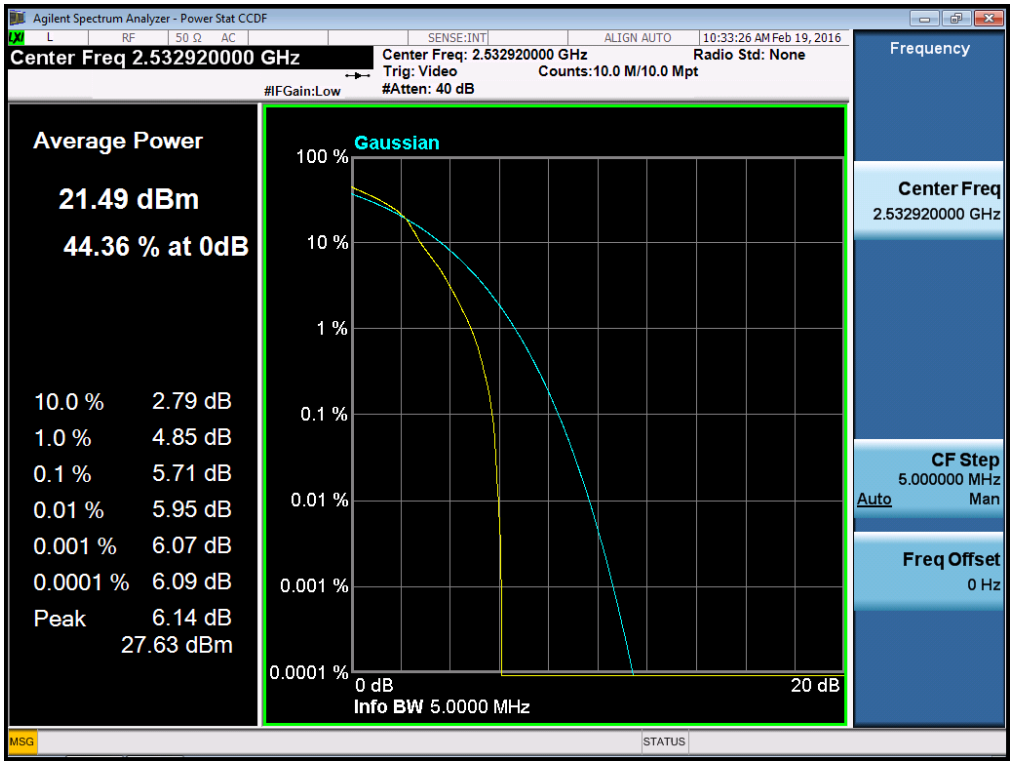
Peak to Average Ratio of Configuration-LTE Band VII QPSK-20M/1RB channel Highest



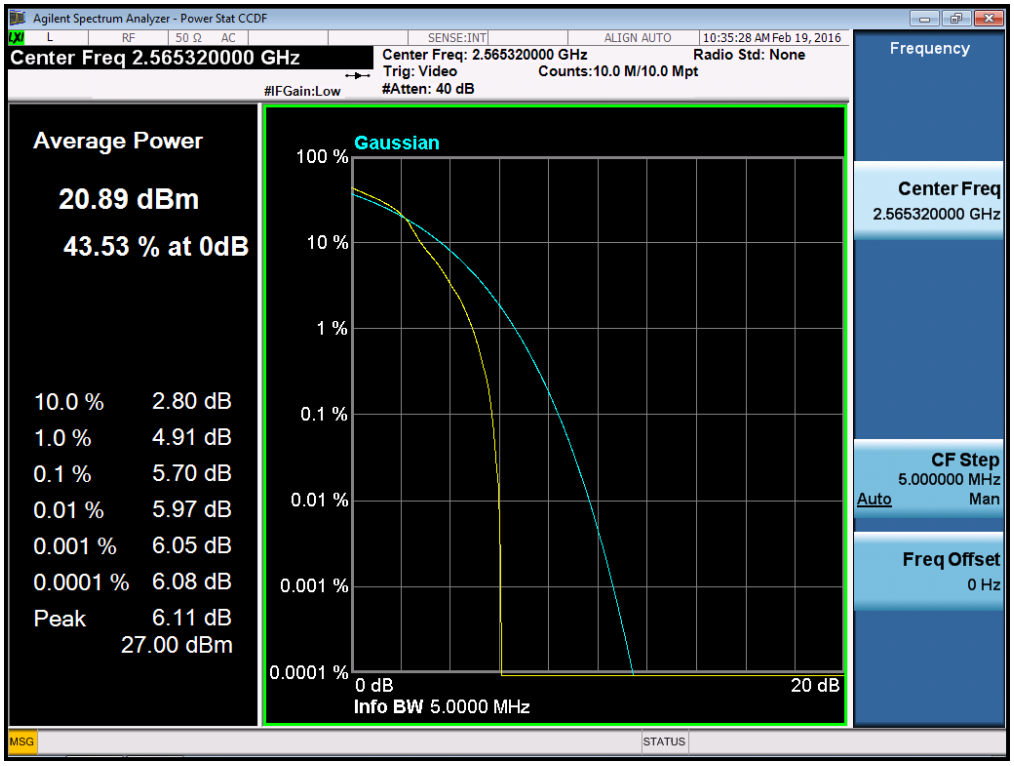
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-5M/1RB channel Lowest



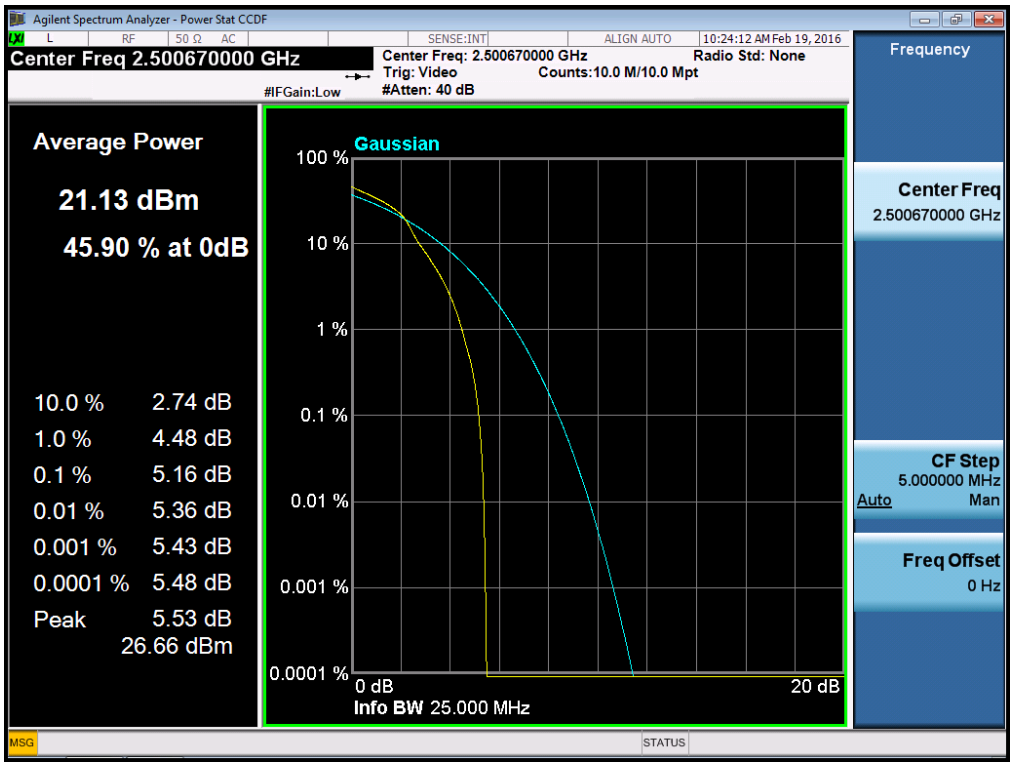
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-5M/1RB channel Middle



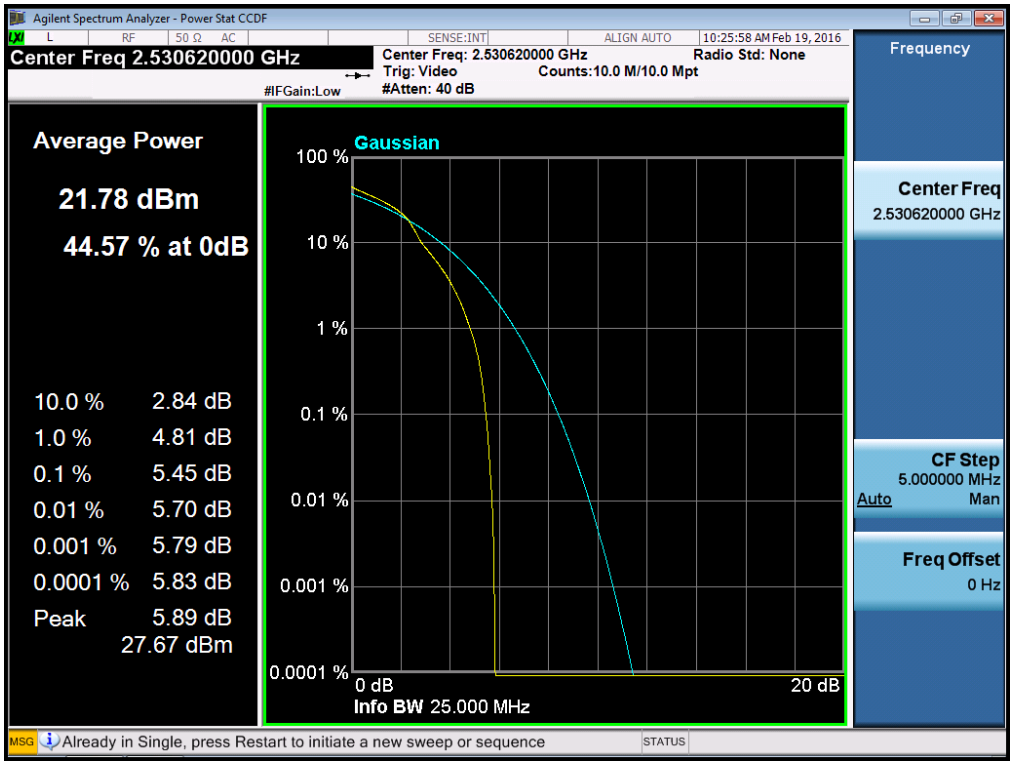
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-5M/1RB channel Highest



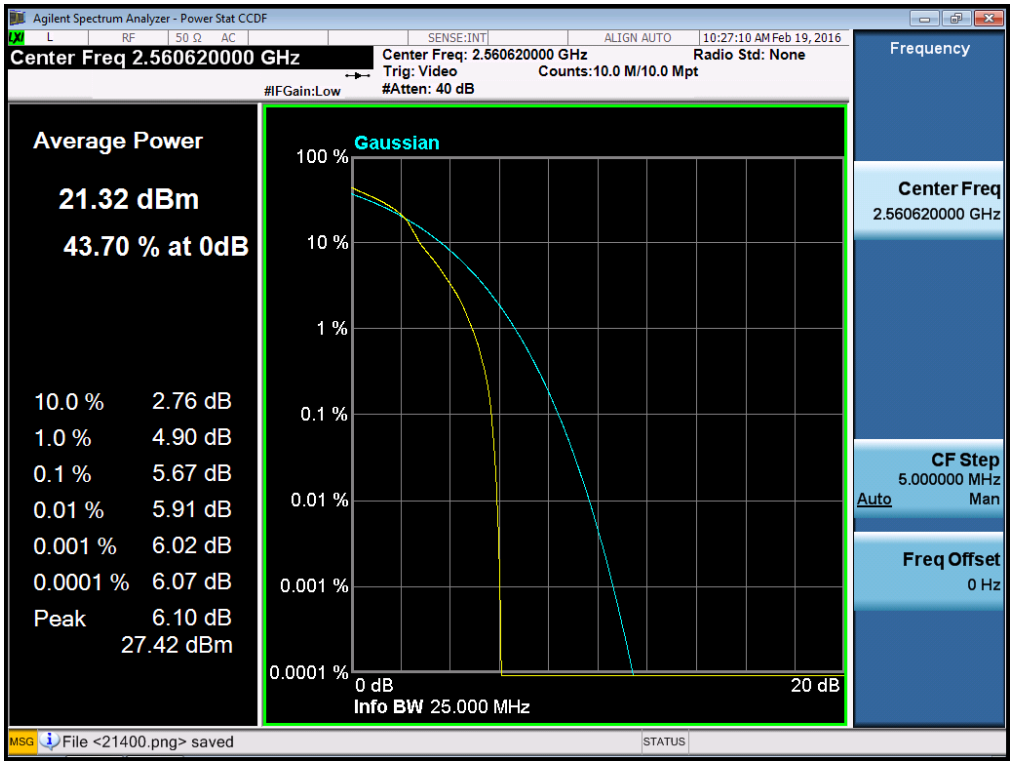
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-10M/1RB channel Lowest



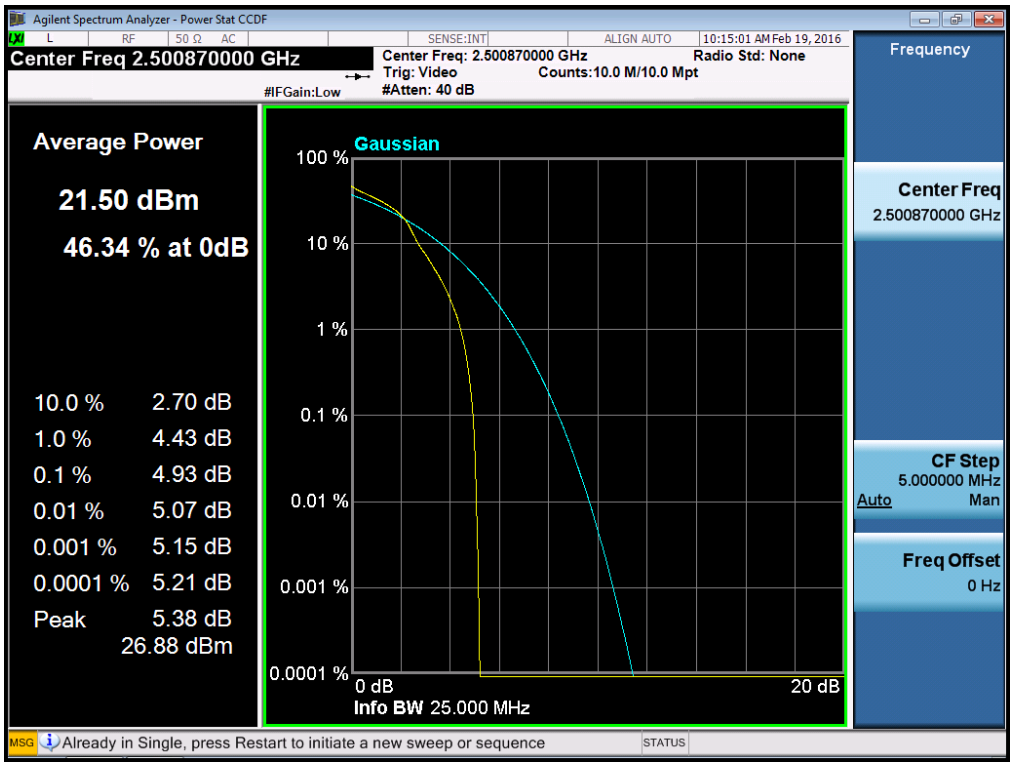
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-10M/1RB channel Middle



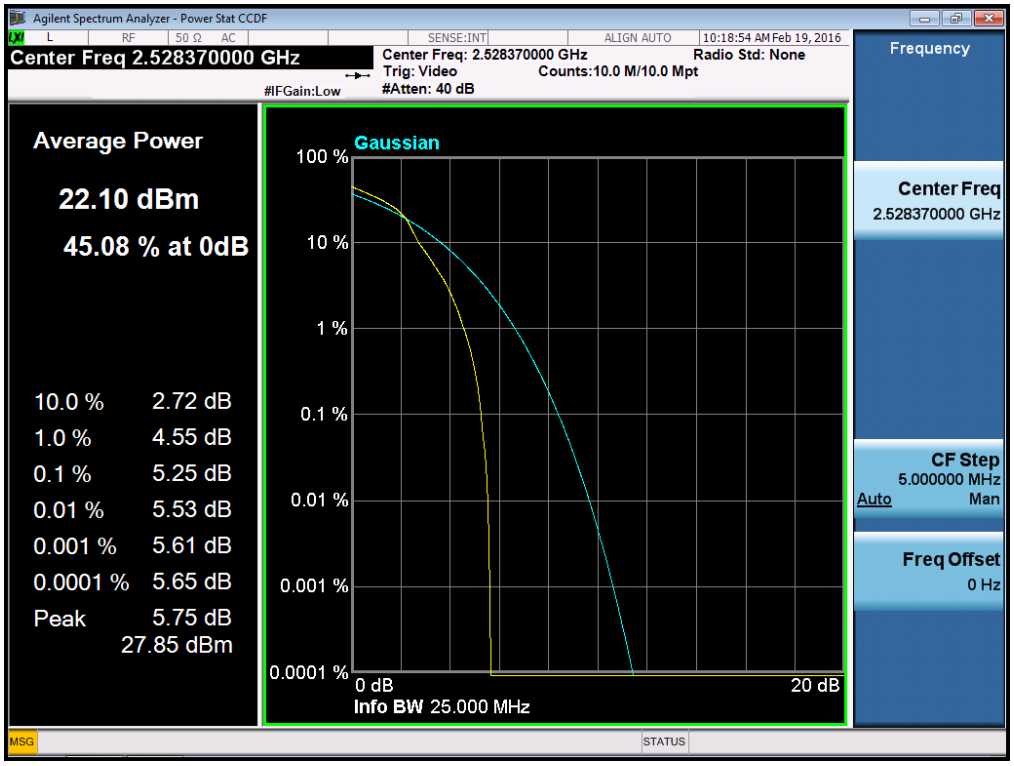
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-10M/1RB channel Highest



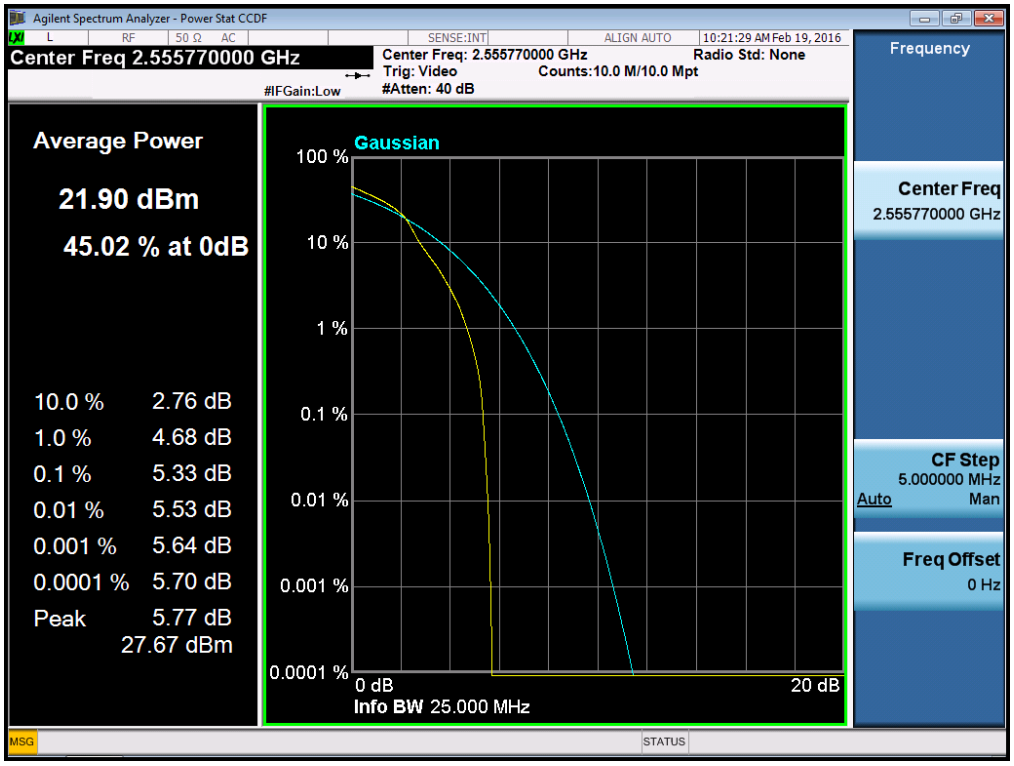
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-15M/1RB channel Lowest



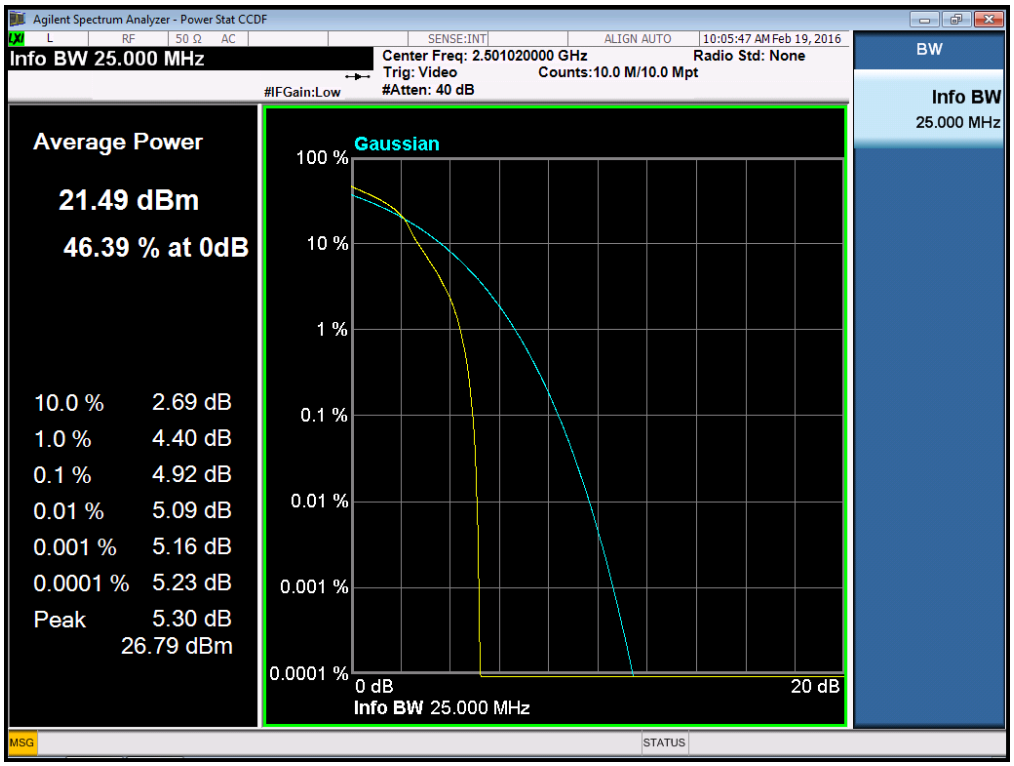
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-15M/1RB channel Middle



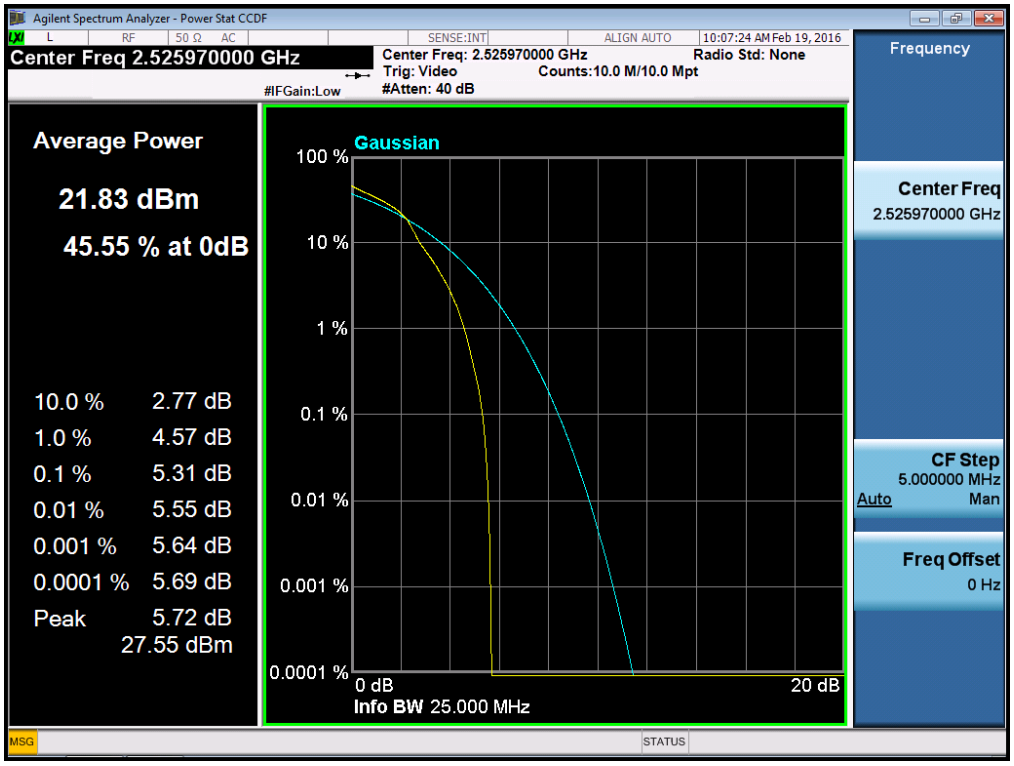
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-15M/1RB channel Highest



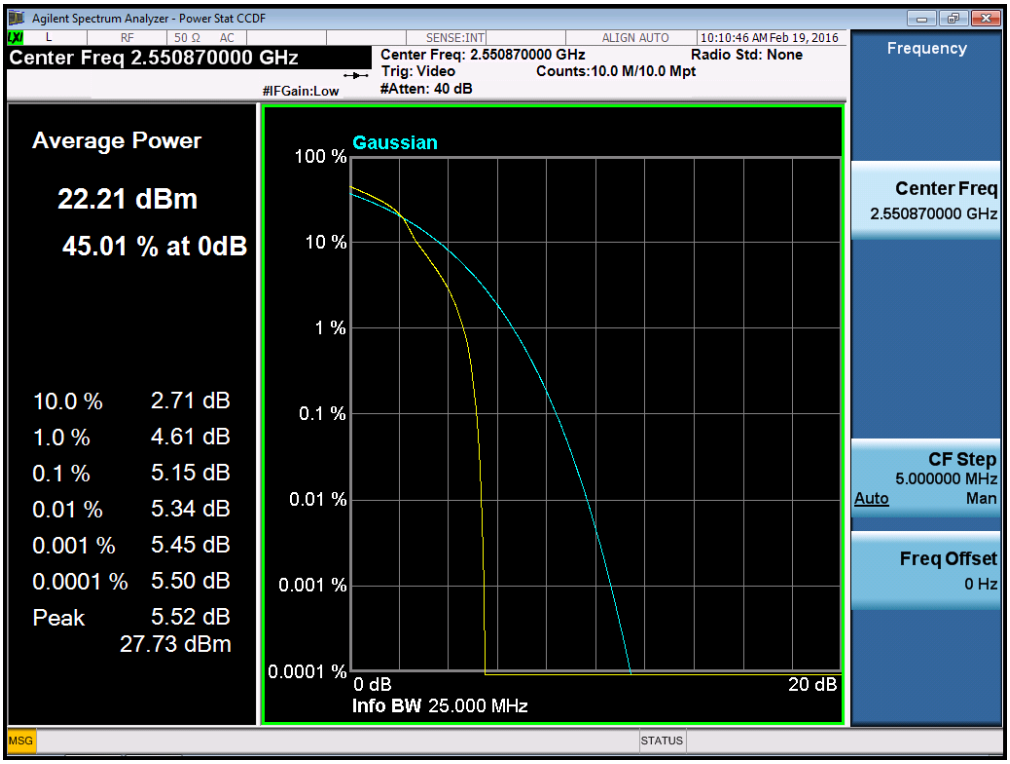
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-20M/1RB channel Lowest



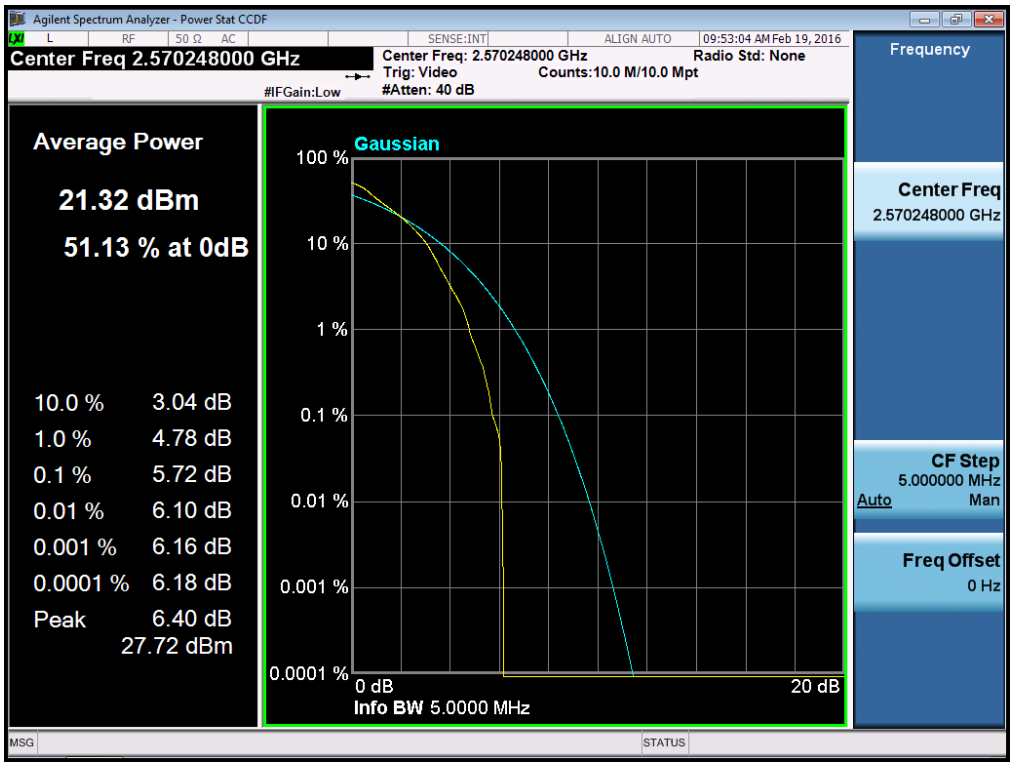
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-20M/1RB channel Middle



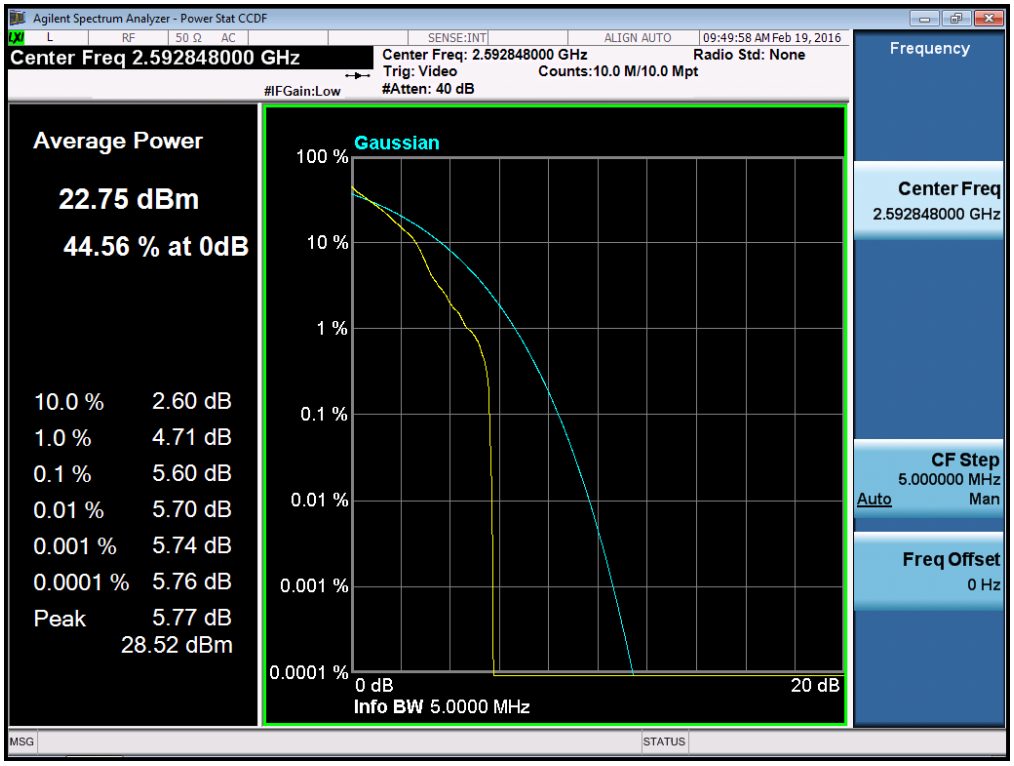
Peak to Average Ratio of Configuration-LTE Band VII 16-QAM-20M/1RB channel Highest



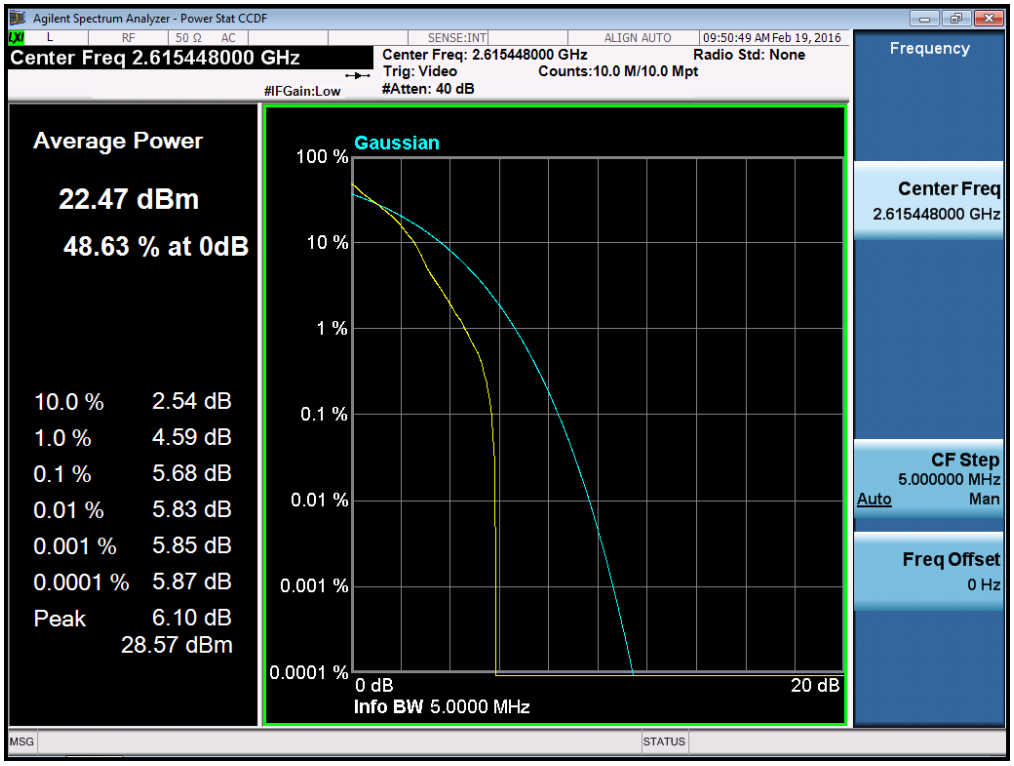
Peak to Average Ratio of Configuration-LTE Band XXXVIII QPSK-5M/1RB channel Lowest



Peak to Average Ratio of Configuration-LTE Band XXXVIII QPSK-5M/1RB channel Middle

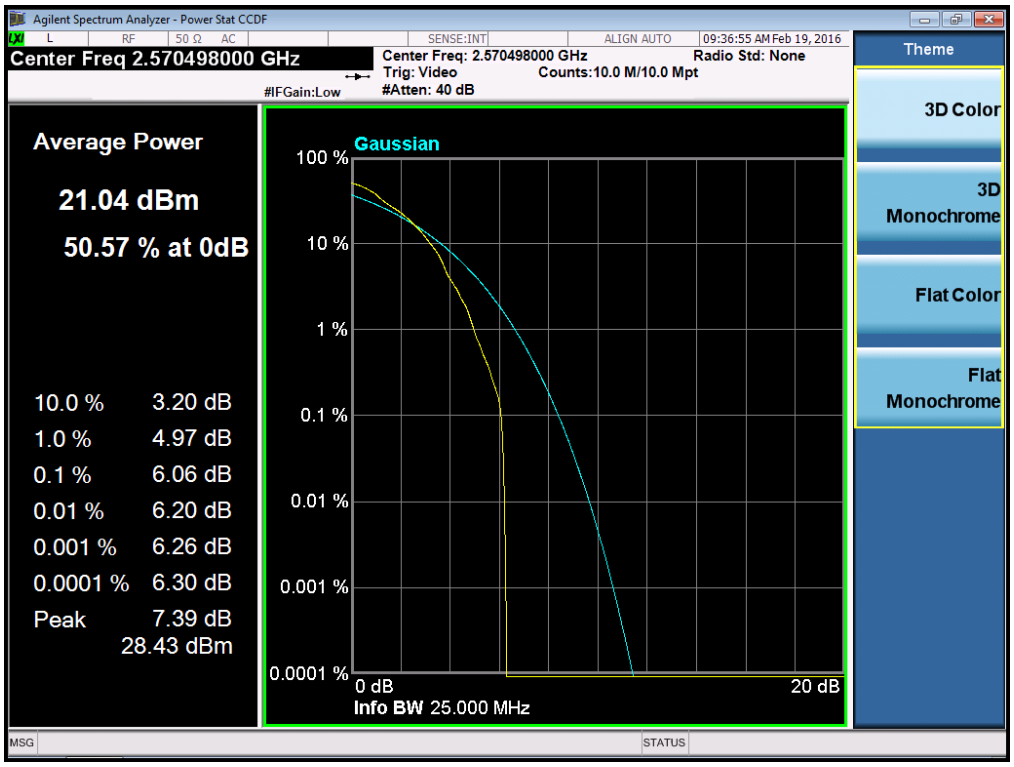


Peak to Average Ratio of Configuration-LTE Band XXXVIII QPSK-5M/1RB channel Highest



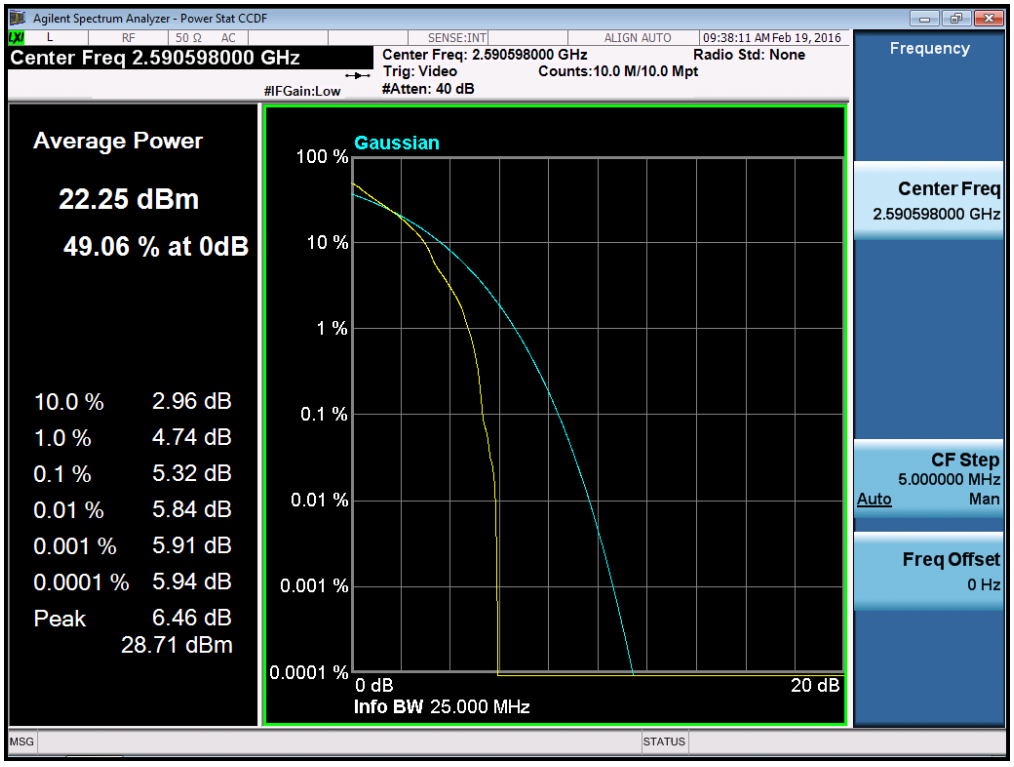
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-10M/1RB channel Lowest



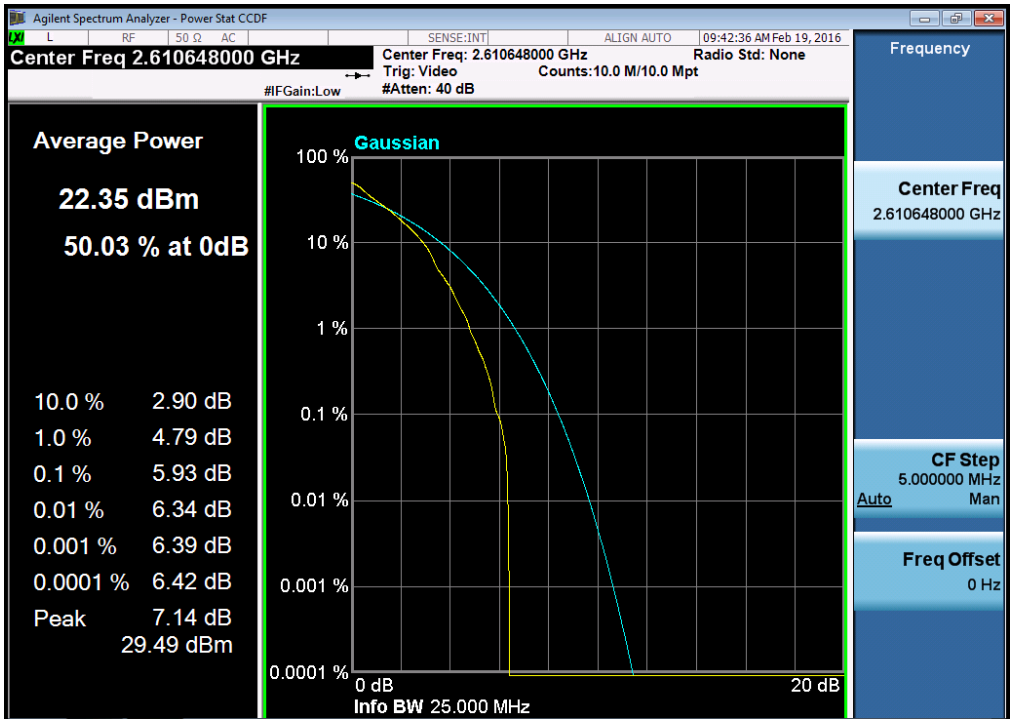
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-10M/1RB channel Middle



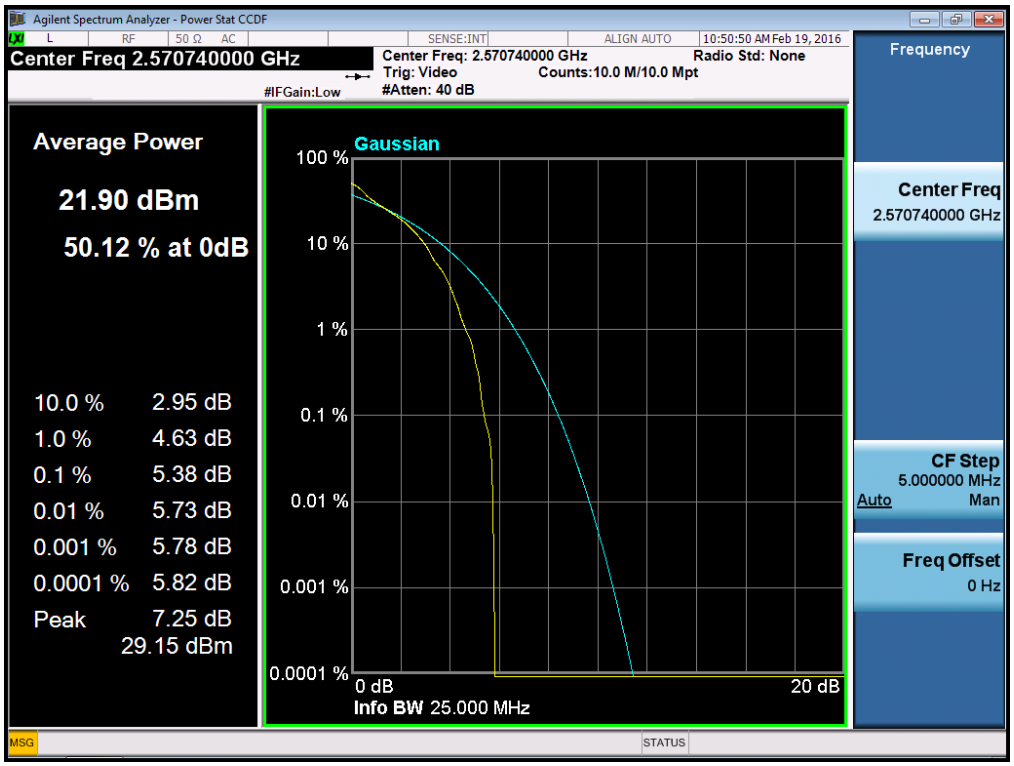
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-10M/1RB channel Highest



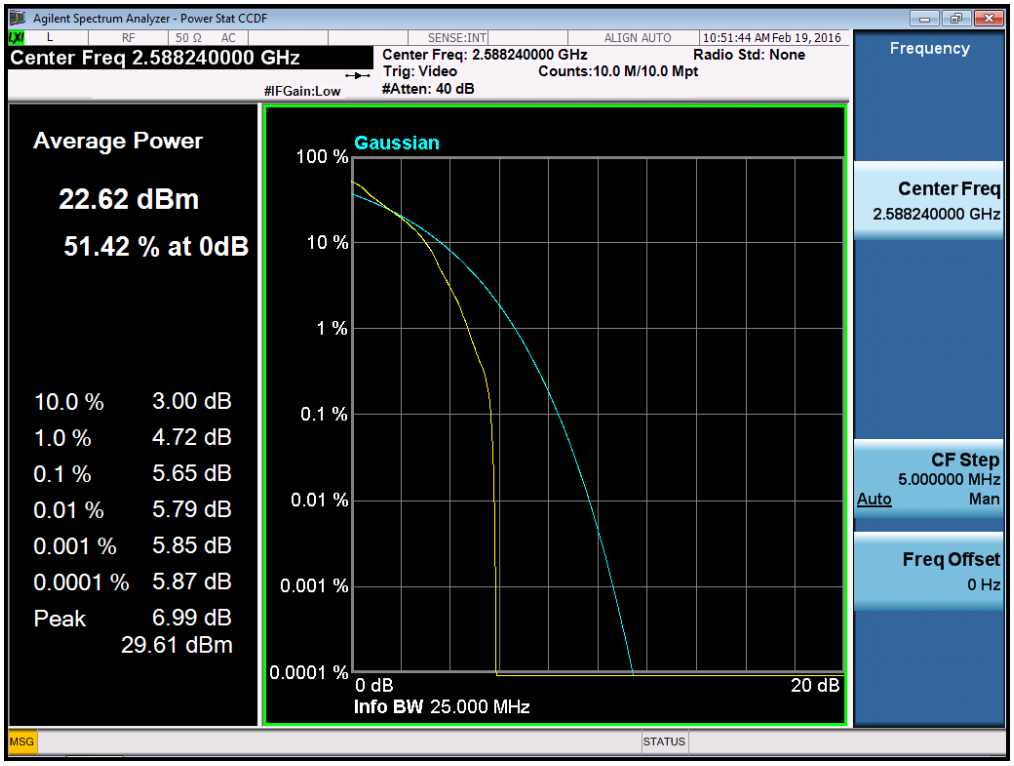
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-15M/1RB channel Lowest



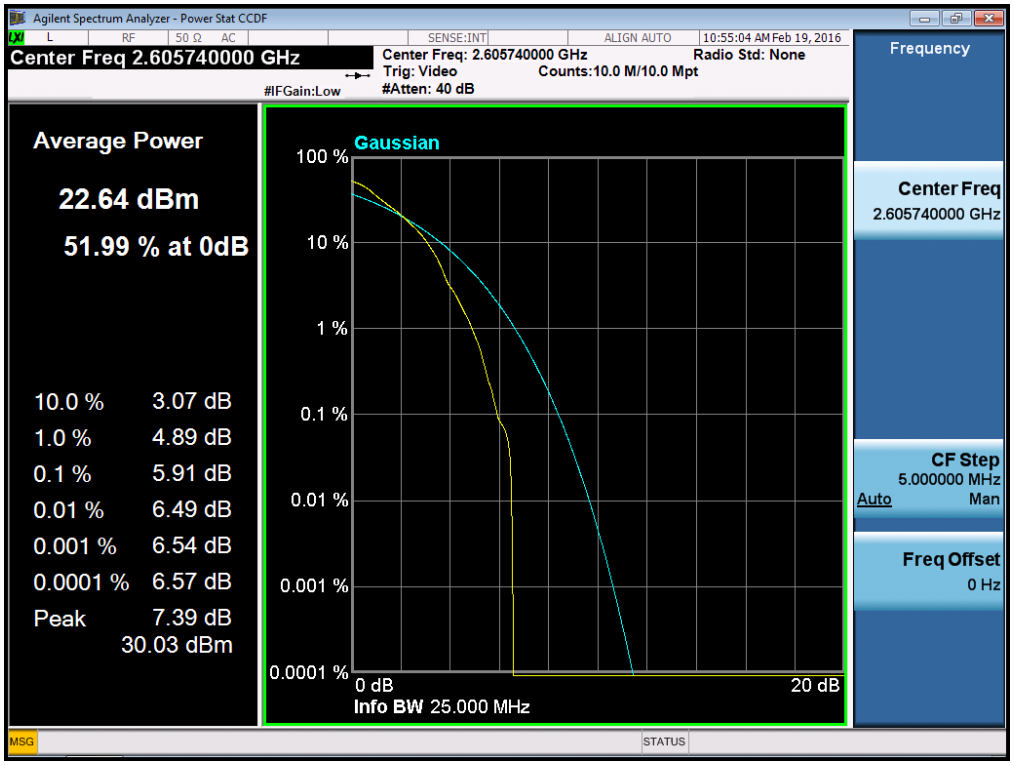
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-15M/1RB channel Middle



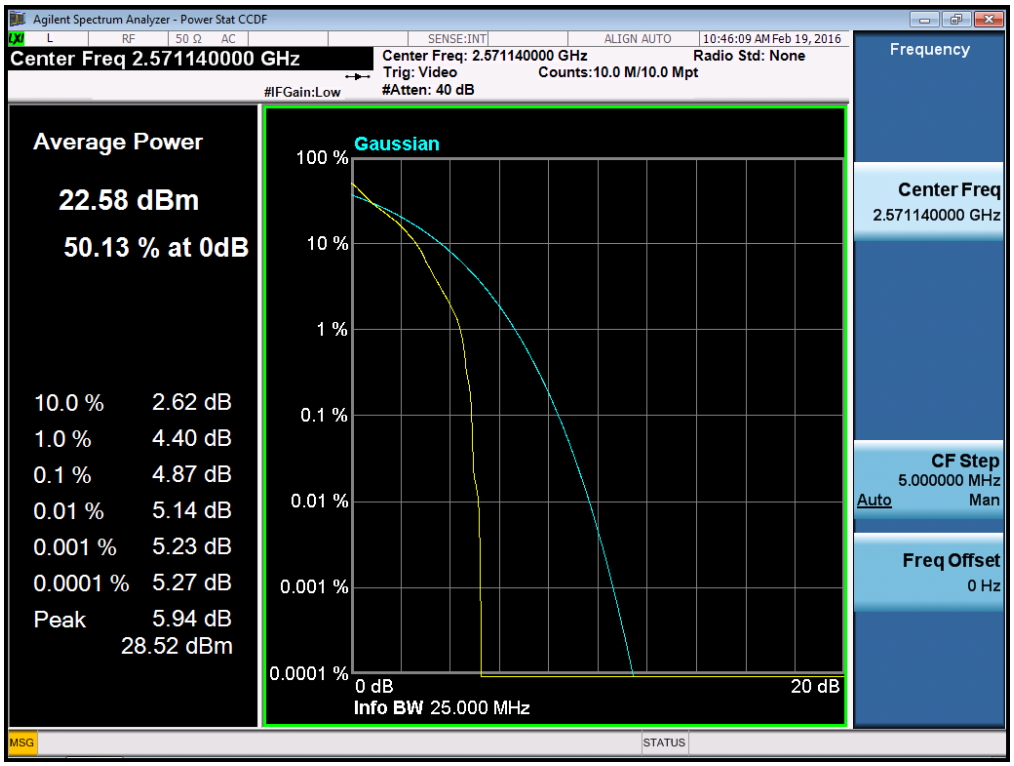
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-15M/1RB channel Highest



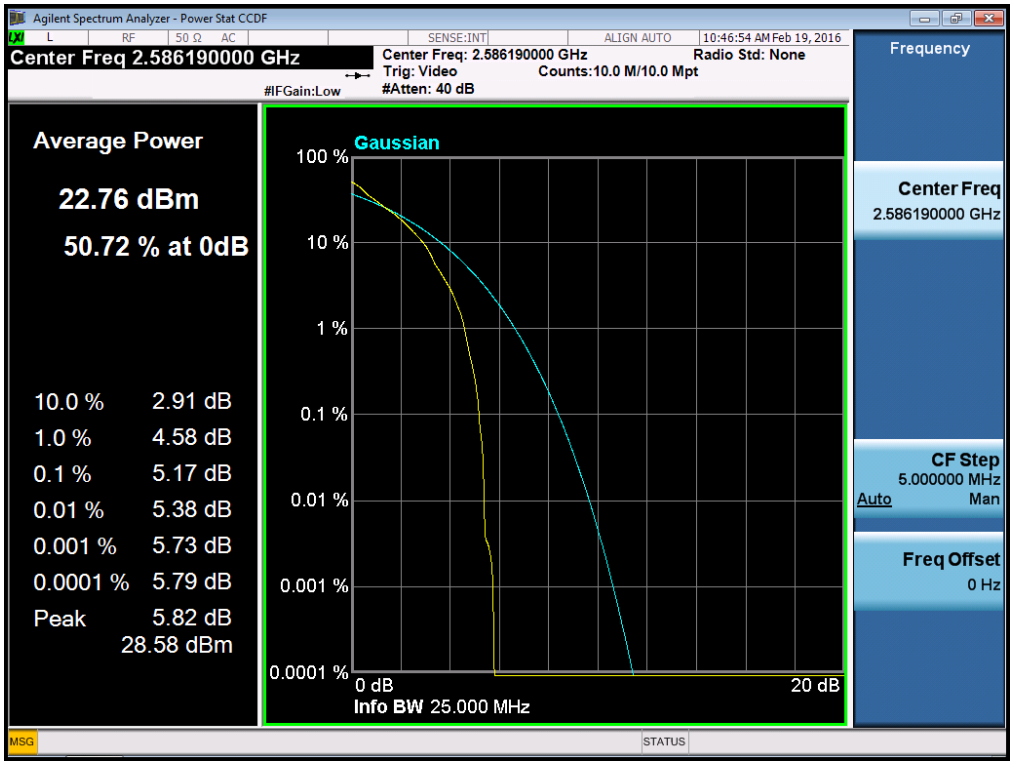
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-20M/1RB channel Lowest



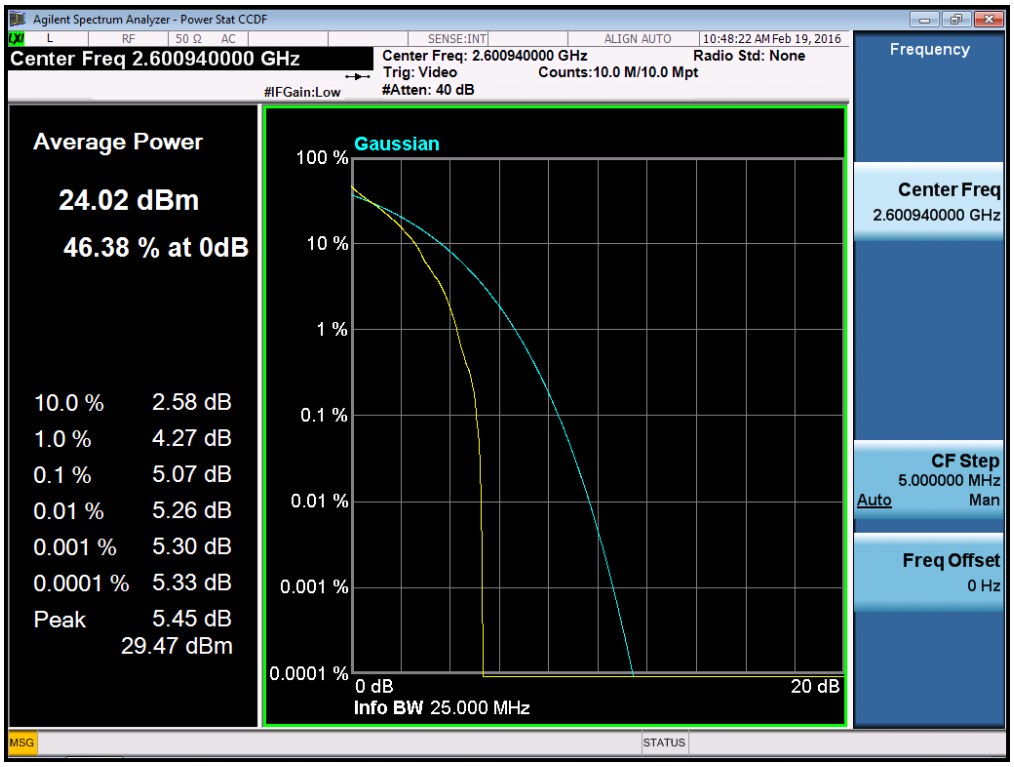
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-20M/1RB channel Middle



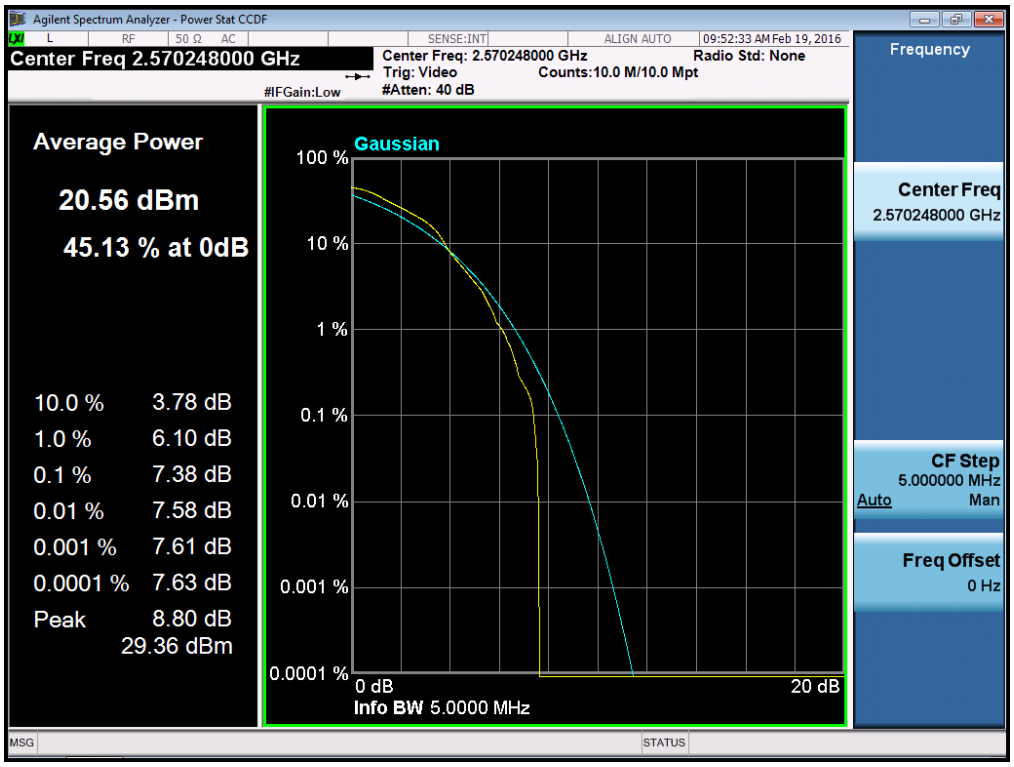
Peak to Average Ratio of Configuration-LTE Band XXXVIII

QPSK-20M/1RB channel Highest



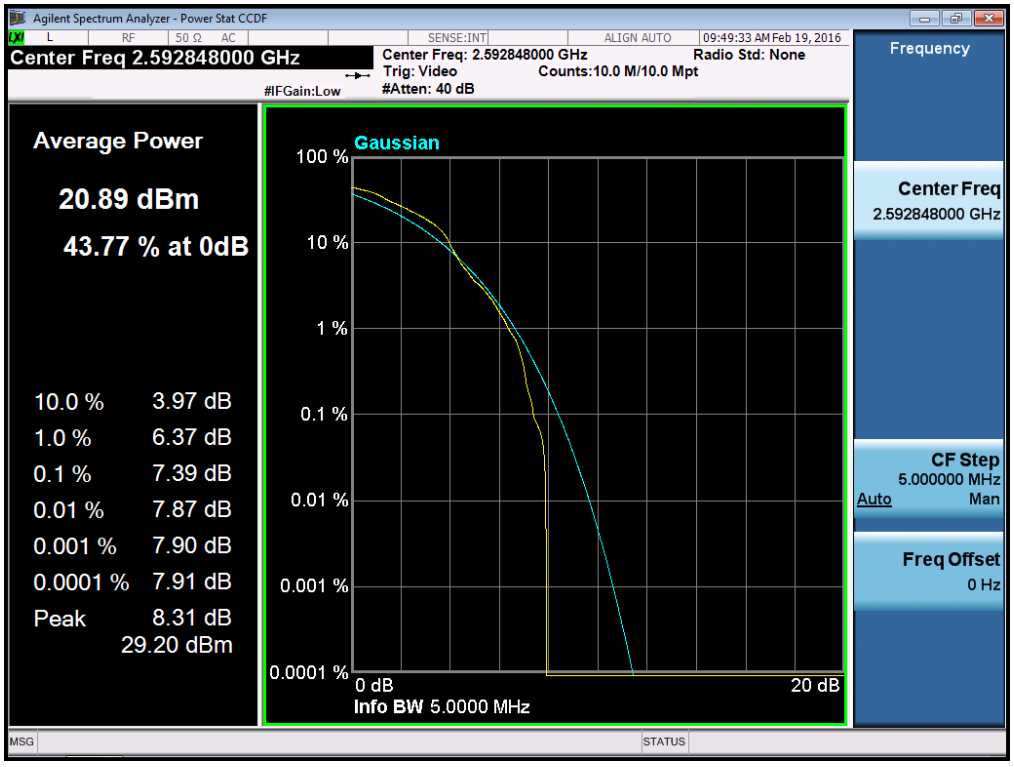
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-5M/1RB channel Lowest



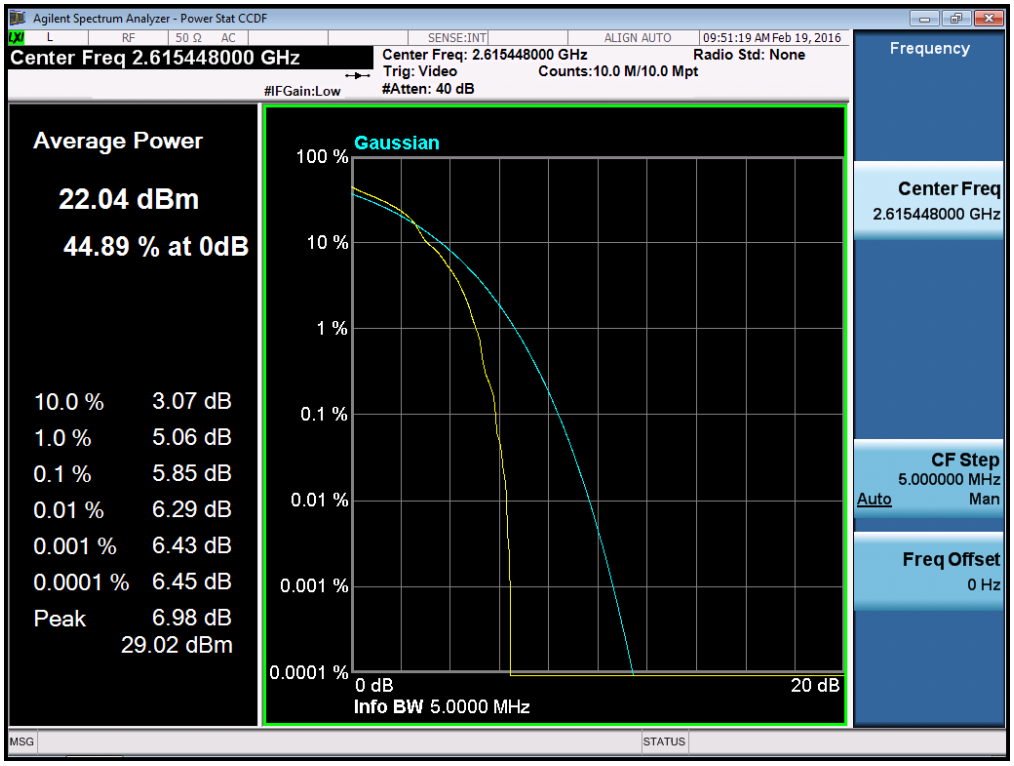
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-5M/1RB channel Middle



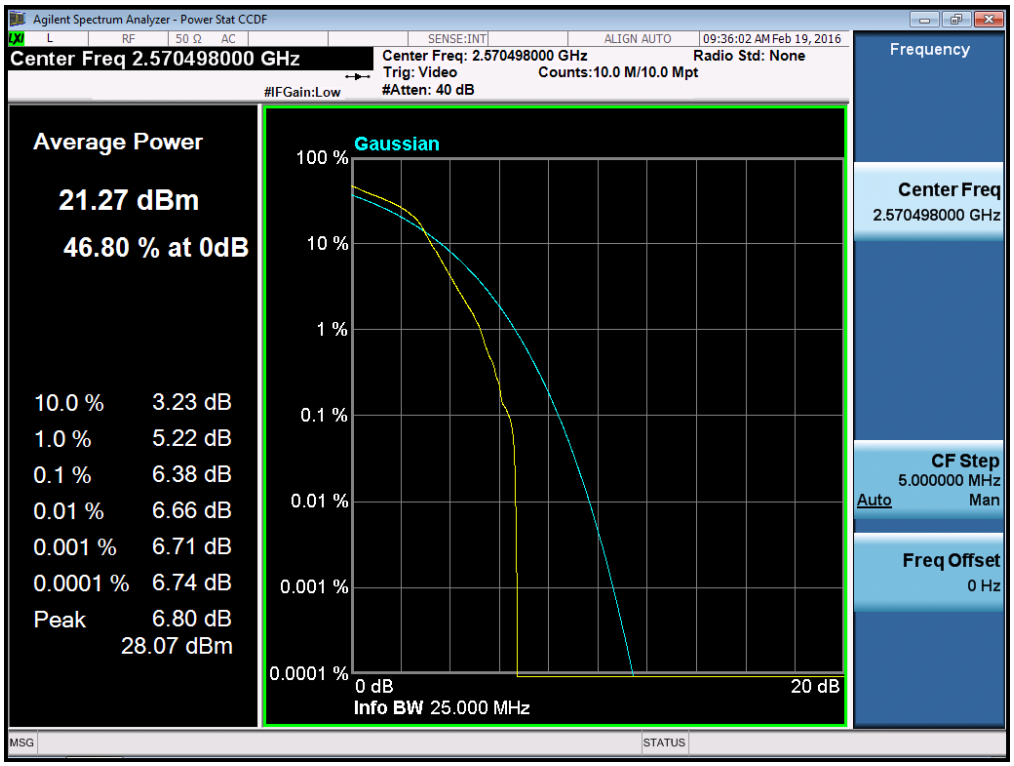
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-5M/1RB channel Highest



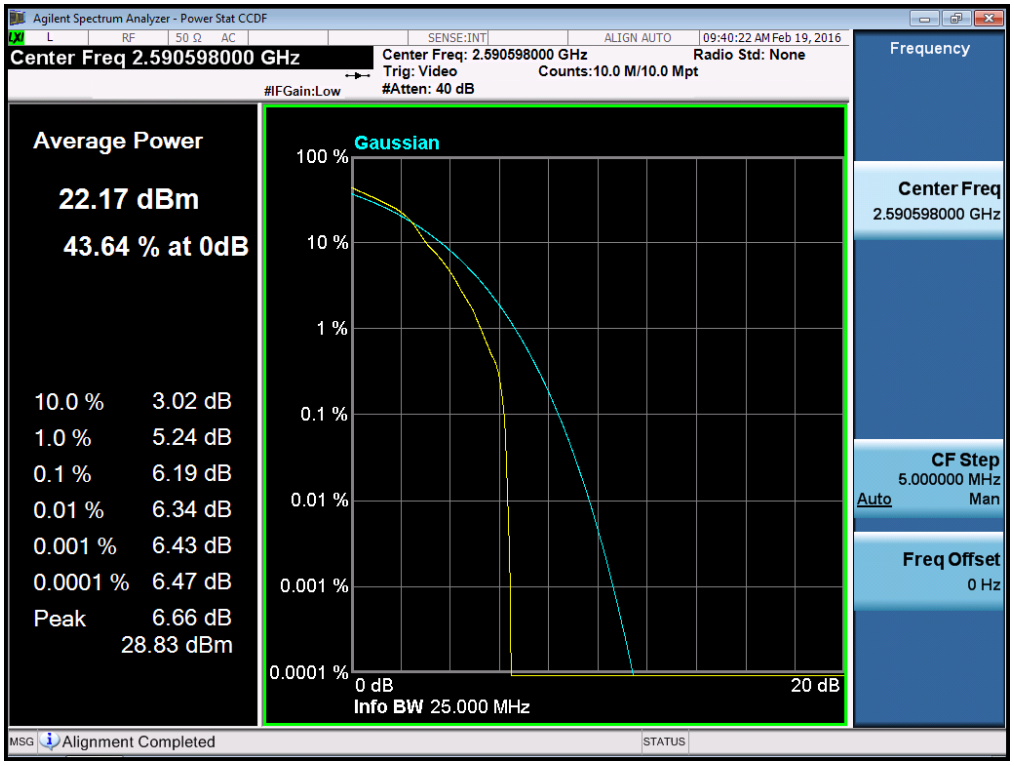
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-10M/1RB channel Lowest



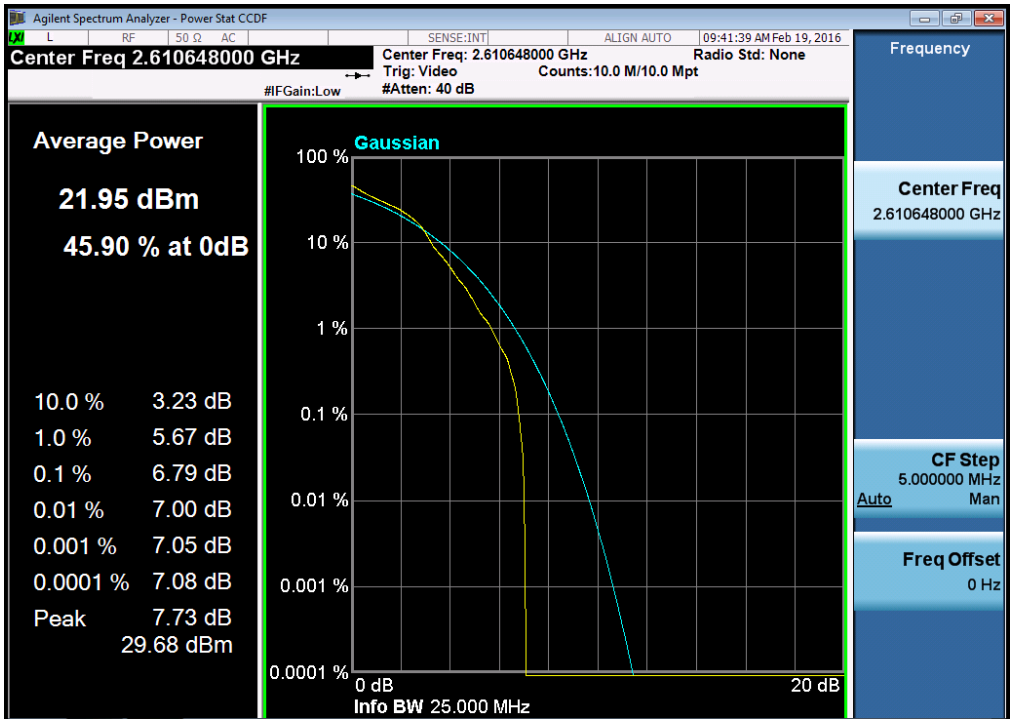
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-10M/1RB channel Middle



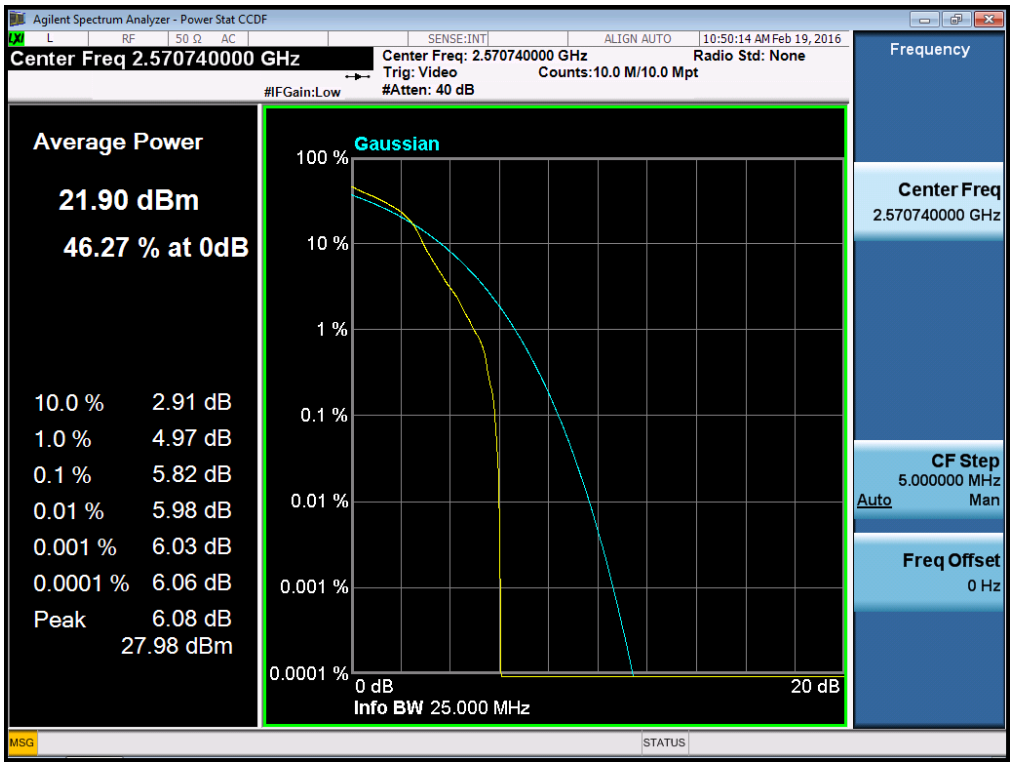
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-10M/1RB channel Highest



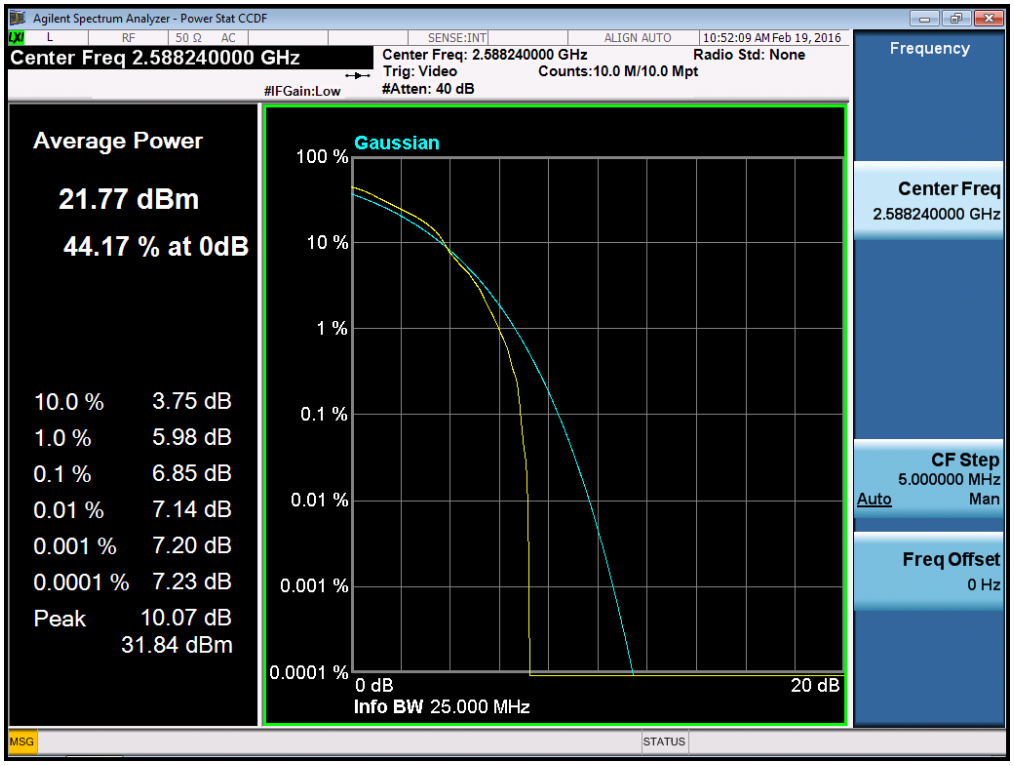
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-15M/1RB channel Lowest



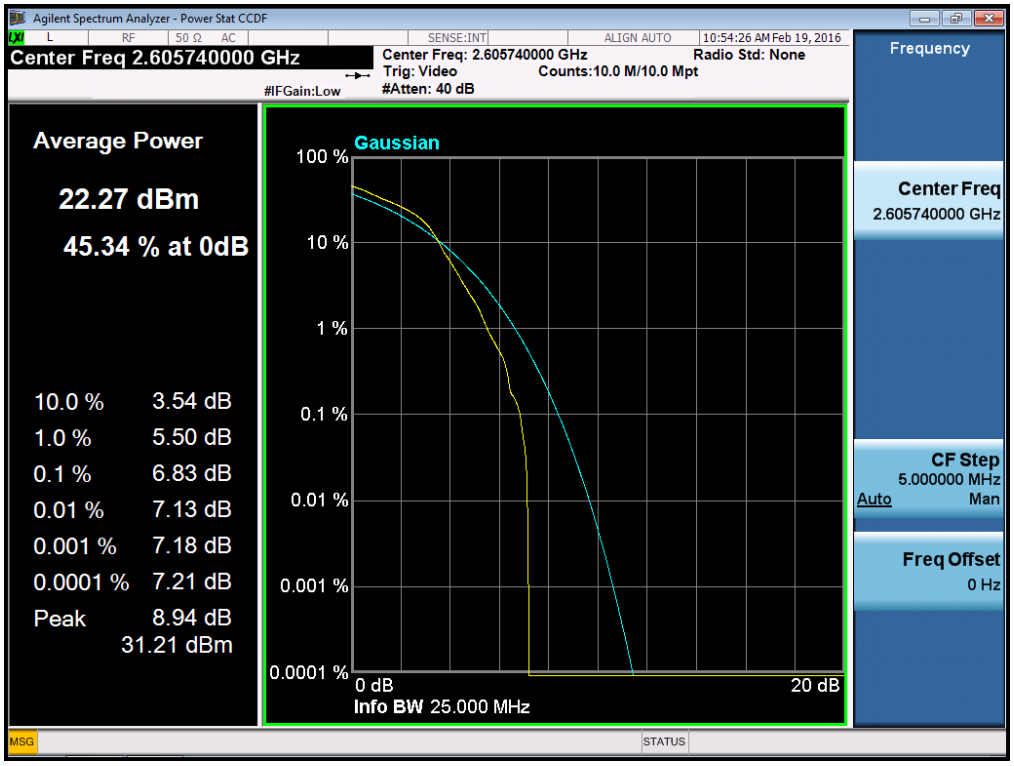
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-15M/1RB channel Middle



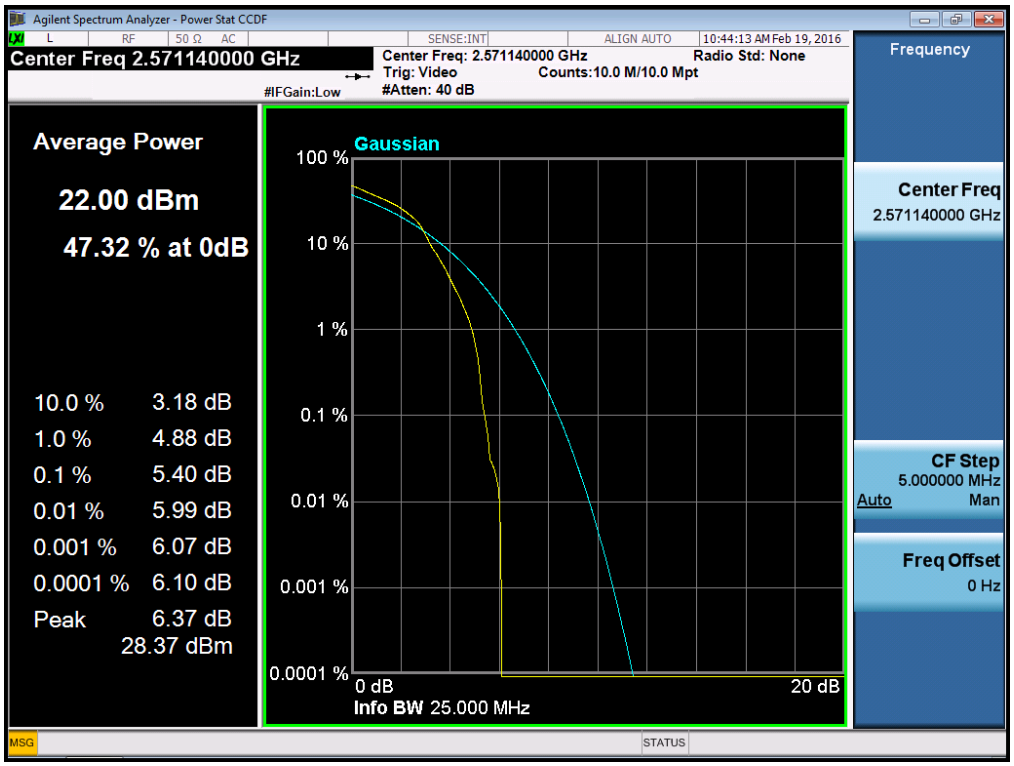
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-15M/1RB channel Highest



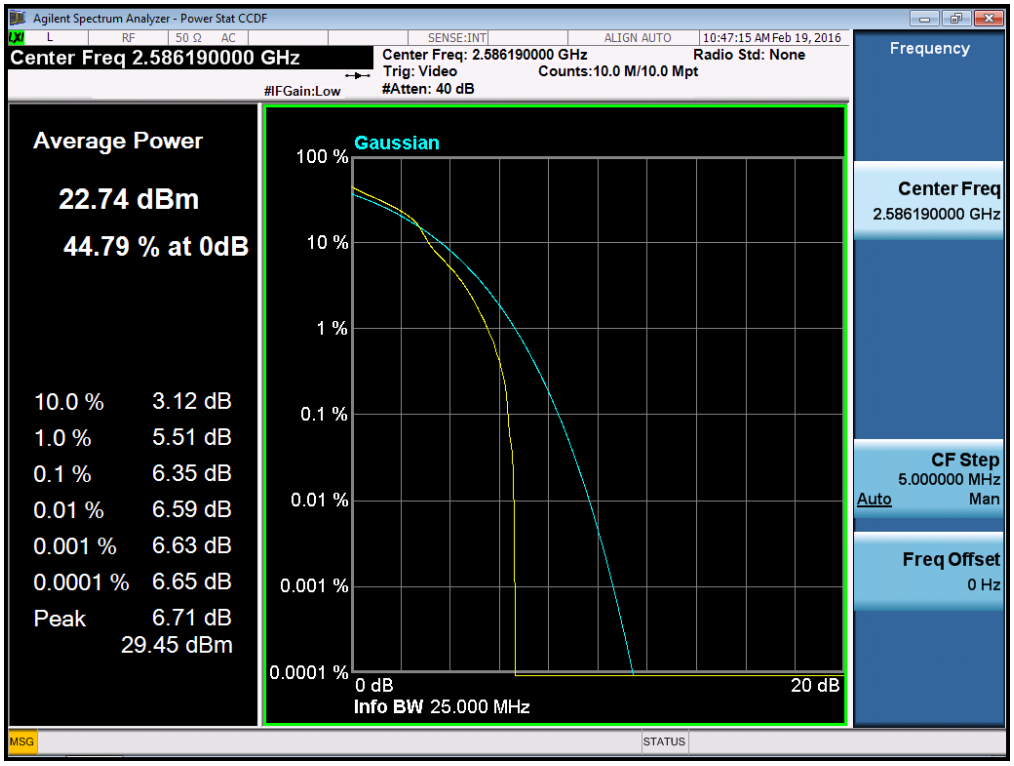
Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-20M/1RB channel Lowest



Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-20M/1RB channel Middle



Peak to Average Ratio of Configuration-LTE Band XXXVIII

16-QAM-20M/1RB channel Highest