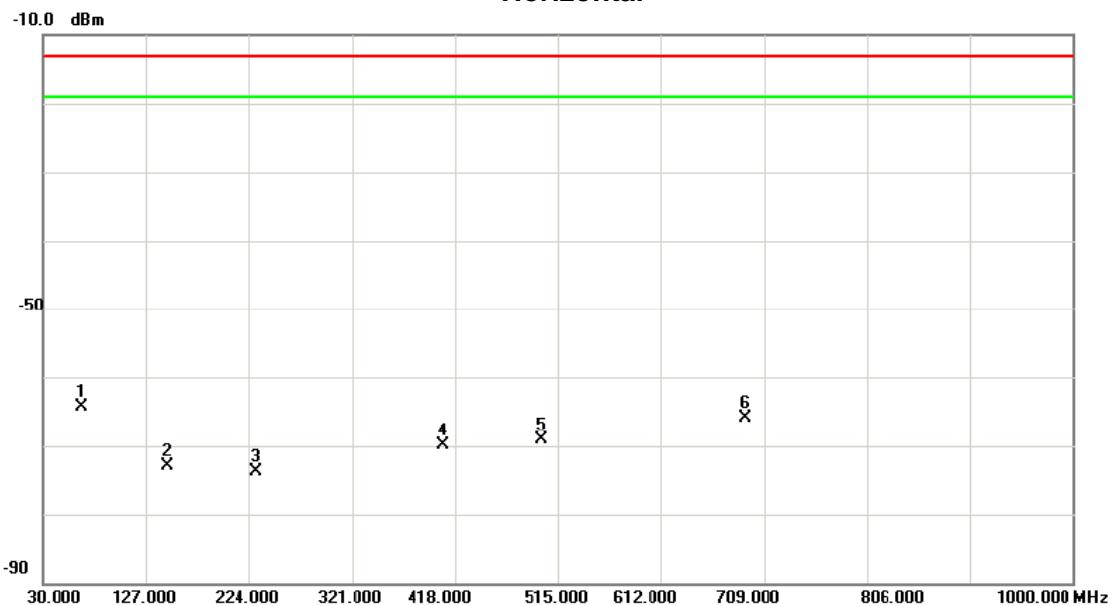


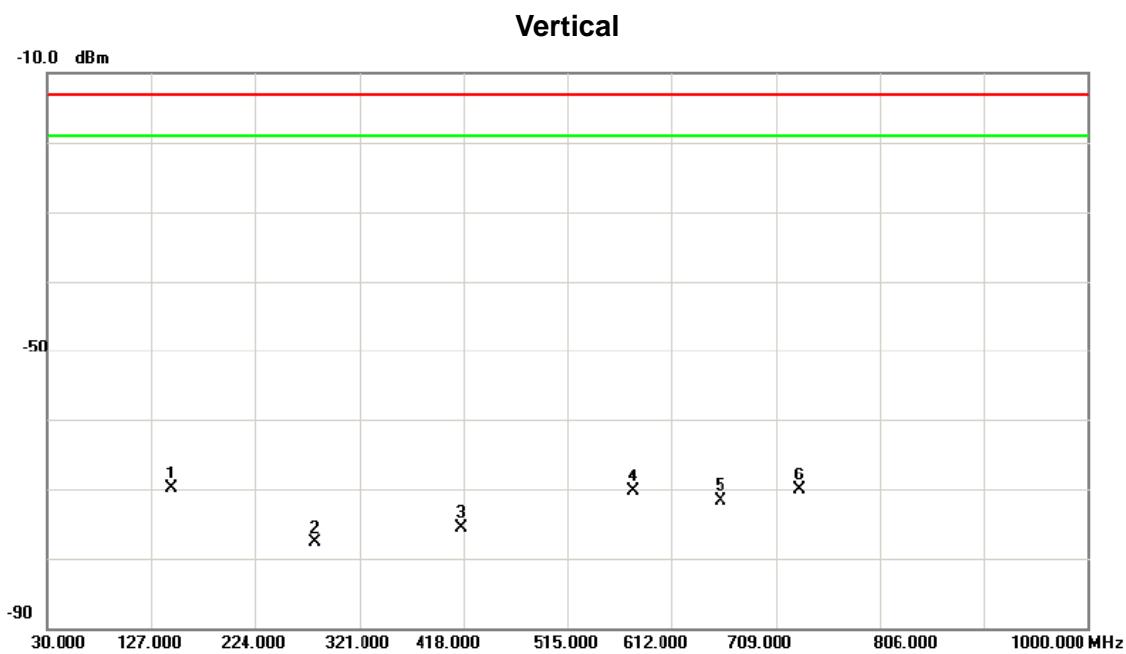
Test Mode: TX Channel Middle-QPSK 5M/1RB

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin	Detector	Comment
1	*	66.8600	-62.06	-2.27	-64.33	-13.00	-51.33	peak	
2		146.4000	-76.74	3.84	-72.90	-13.00	-59.90	peak	
3		230.7900	-76.86	3.18	-73.68	-13.00	-60.68	peak	
4		406.3600	-76.01	6.20	-69.81	-13.00	-56.81	peak	
5		499.4800	-77.19	8.02	-69.17	-13.00	-56.17	peak	
6		691.5400	-79.25	13.40	-65.85	-13.00	-52.85	peak	

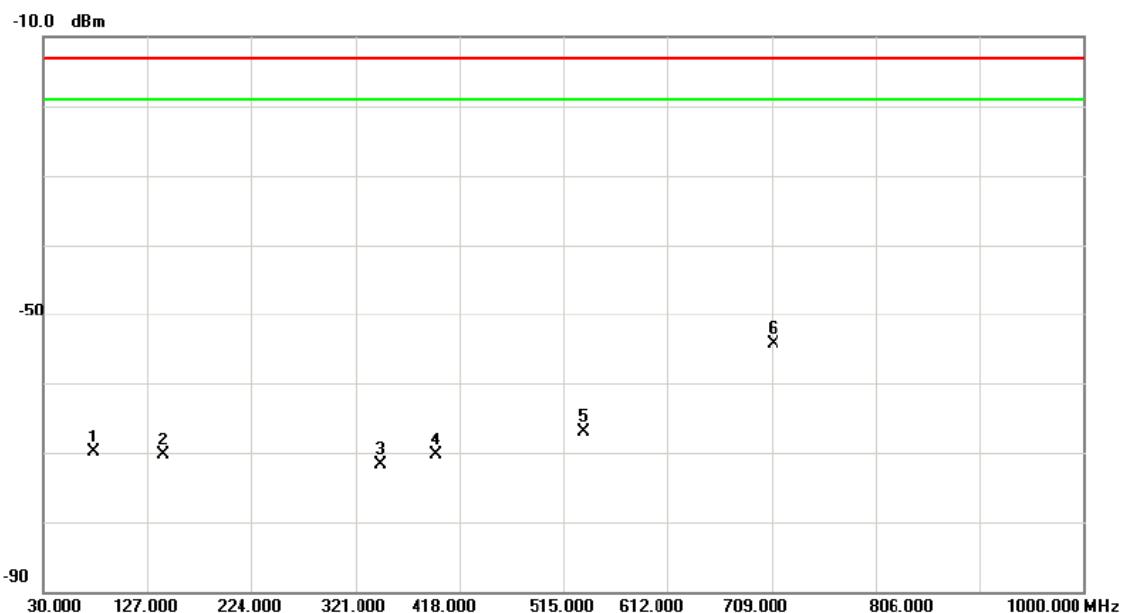
Test Mode: TX Channel Middle-QPSK 10M/1RB



No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBm	dB	dBm	dB	Detector	
1	*	145.4300	-72.53	2.69	-69.84	-13.00	-56.84	peak
2		280.2600	-80.26	2.64	-77.62	-13.00	-64.62	peak
3		416.0600	-80.14	4.54	-75.60	-13.00	-62.60	peak
4		576.1100	-78.41	8.10	-70.31	-13.00	-57.31	peak
5		657.5900	-81.84	10.17	-71.67	-13.00	-58.67	peak
6		731.3100	-81.75	11.73	-70.02	-13.00	-57.02	peak

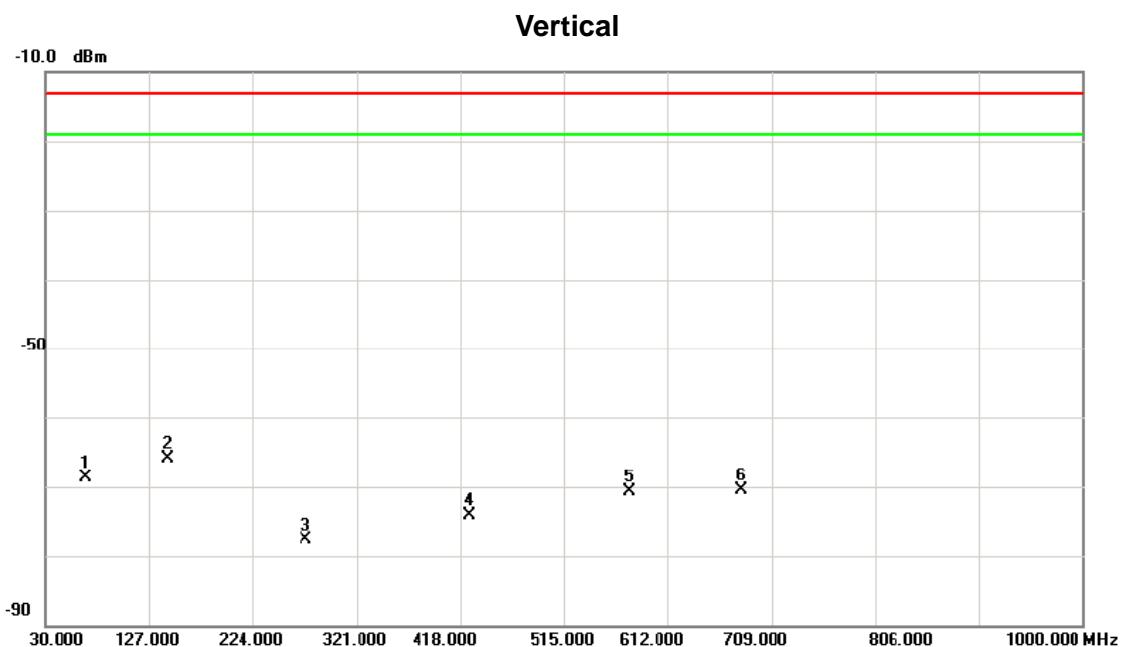
Test Mode: TX Channel Middle-QPSK 10M/1RB

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		77.5300	-62.74	-7.24	-69.98	-13.00	-56.98	peak	
2		141.5500	-73.55	3.30	-70.25	-13.00	-57.25	peak	
3		345.2500	-74.48	2.84	-71.64	-13.00	-58.64	peak	
4		396.6600	-76.18	5.92	-70.26	-13.00	-57.26	peak	
5		533.4300	-75.04	8.09	-66.95	-13.00	-53.95	peak	
6	*	710.9400	-68.06	13.72	-54.34	-13.00	-41.34	peak	

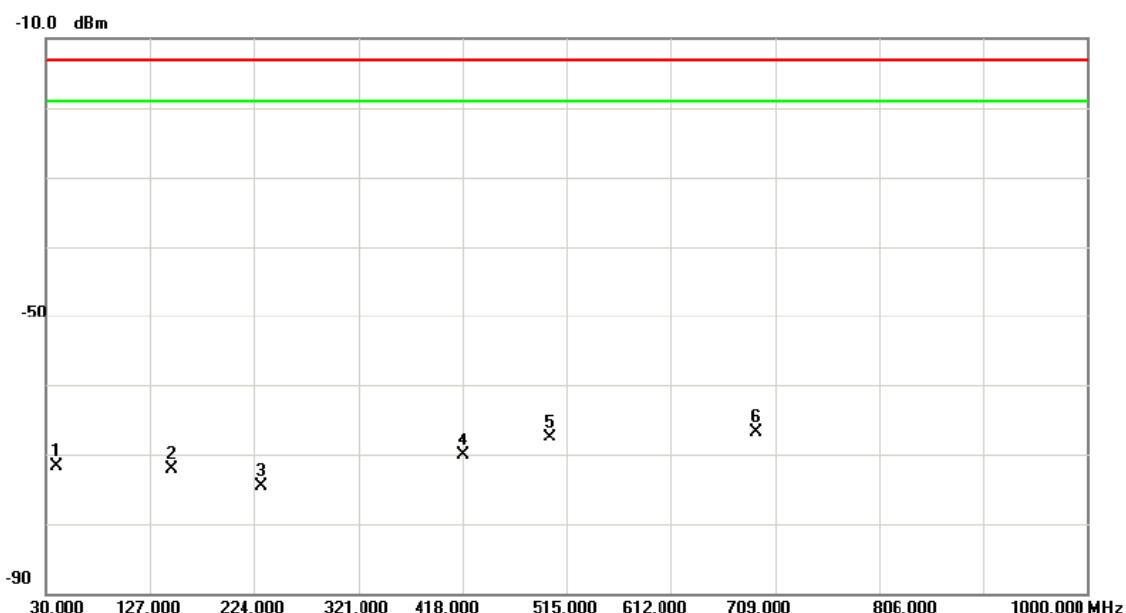
Test Mode: TX Channel Middle-QPSK 15M/1RB



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		67.8300	-69.12	0.40	-68.72	-13.00	-55.72	peak	
2	*	144.4600	-68.56	2.60	-65.96	-13.00	-52.96	peak	
3		273.4700	-80.02	2.35	-77.67	-13.00	-64.67	peak	
4		425.7600	-78.66	4.57	-74.09	-13.00	-61.09	peak	
5		576.1100	-78.83	8.10	-70.73	-13.00	-57.73	peak	
6		680.8700	-80.76	10.34	-70.42	-13.00	-57.42	peak	

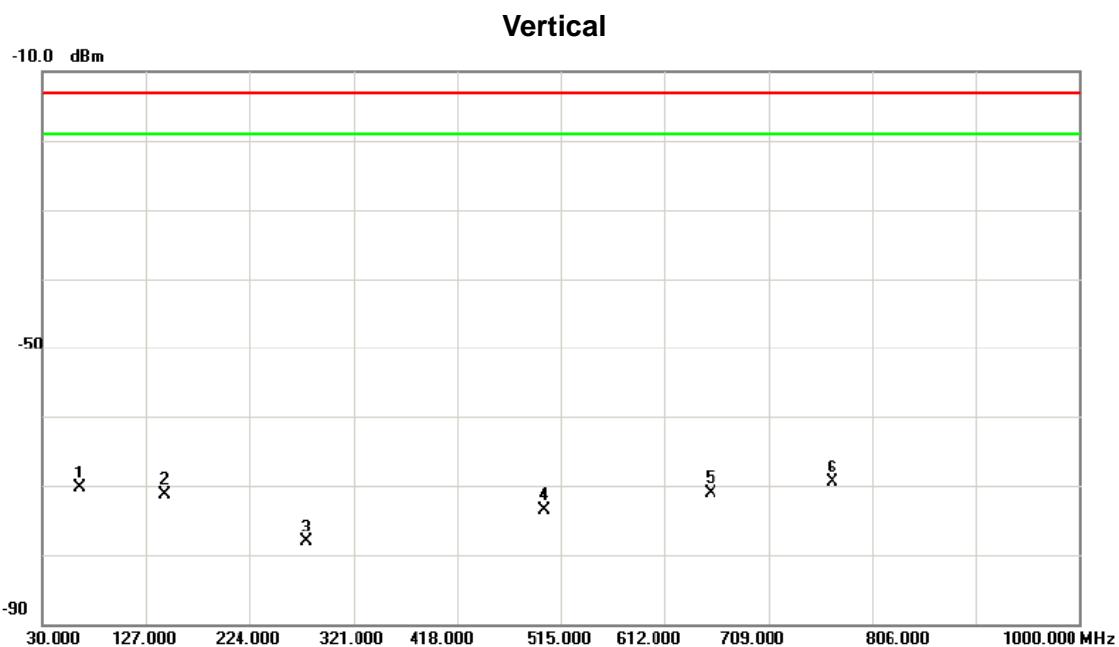
Test Mode: TX Channel Middle-QPSK 15M/1RB

**Horizontal**



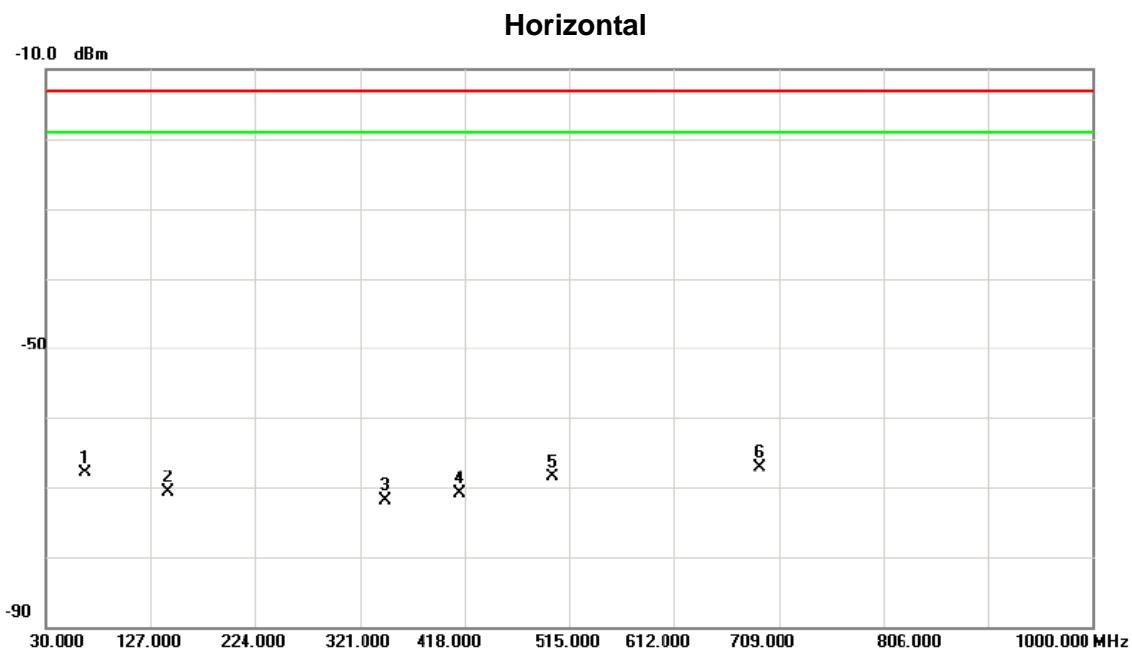
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment Limit dBm	Margin dB	Detector	Comment
1		39.7000	-73.77	1.97	-71.80	-13.00	-58.80	peak
2		146.4000	-75.90	3.84	-72.06	-13.00	-59.06	peak
3		230.7900	-77.70	3.18	-74.52	-13.00	-61.52	peak
4		418.9700	-76.87	6.83	-70.04	-13.00	-57.04	peak
5		499.4800	-75.44	8.02	-67.42	-13.00	-54.42	peak
6	*	691.5400	-80.03	13.40	-66.63	-13.00	-53.63	peak

Test Mode:	TX Channel Middle-QPSK 20M/1RB
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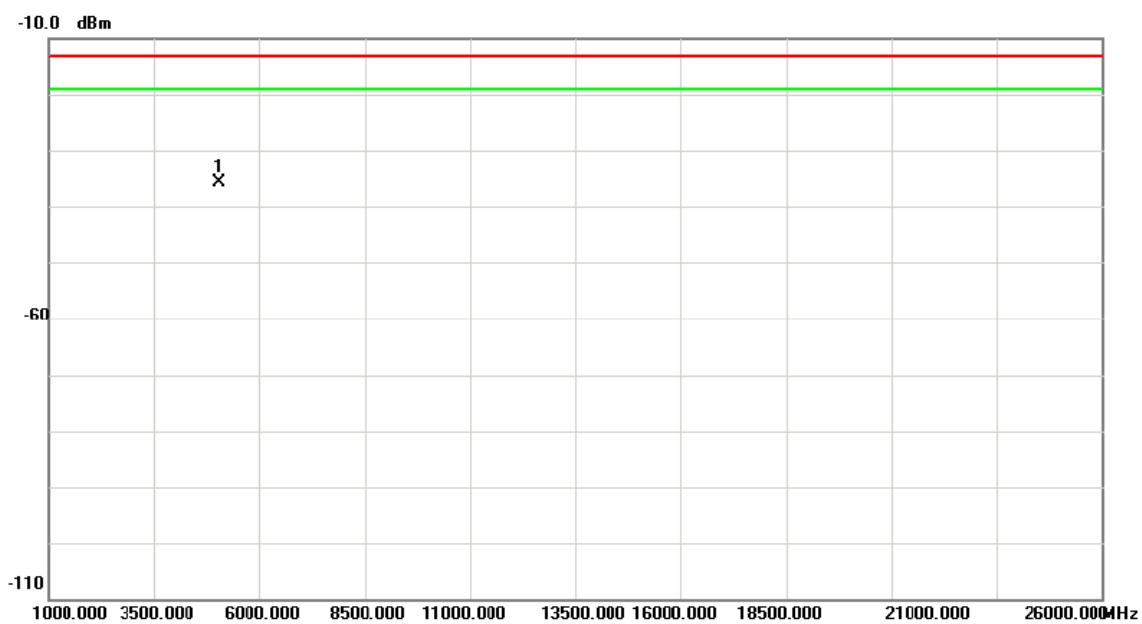
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		65.8900	-71.19	0.89	-70.30	-13.00	-57.30	peak	
2		144.4600	-73.87	2.60	-71.27	-13.00	-58.27	peak	
3		277.3500	-80.59	2.53	-78.06	-13.00	-65.06	peak	
4		499.4800	-80.98	7.52	-73.46	-13.00	-60.46	peak	
5		654.6800	-81.21	10.15	-71.06	-13.00	-58.06	peak	
6	*	769.1400	-81.76	12.25	-69.51	-13.00	-56.51	peak	

Test Mode: TX Channel Middle-QPSK 20M/1RB



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		66.8600	-65.57	-2.27	-67.84	-13.00	-54.84	peak	
2		142.5200	-74.02	3.41	-70.61	-13.00	-57.61	peak	
3		345.2500	-74.82	2.84	-71.98	-13.00	-58.98	peak	
4		413.1500	-77.47	6.54	-70.93	-13.00	-57.93	peak	
5		499.4800	-76.57	8.02	-68.55	-13.00	-55.55	peak	
6	*	691.5400	-80.52	13.40	-67.12	-13.00	-54.12	peak	

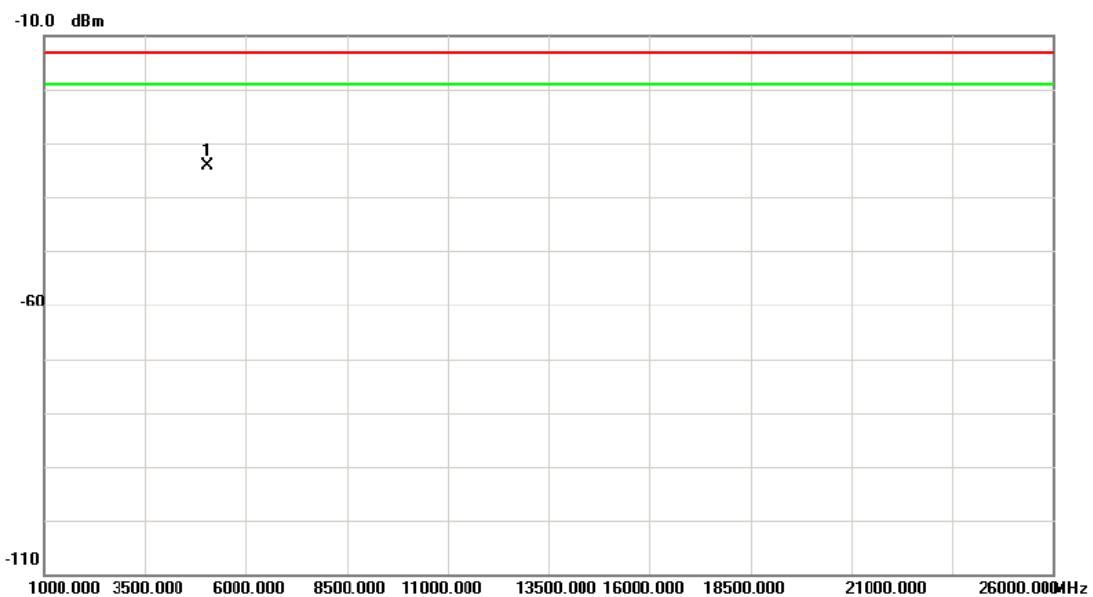
Test Mode:	TX Channel Middle-QPSK 5M/1RB
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**Vertical**

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBm	dB	dBm	dBm	dB	Detector Comment
1	*	5065.680	-47.96	12.24	-35.72	-13.00	-22.72	peak

Test Mode: TX Channel Middle-QPSK 5M/1RB

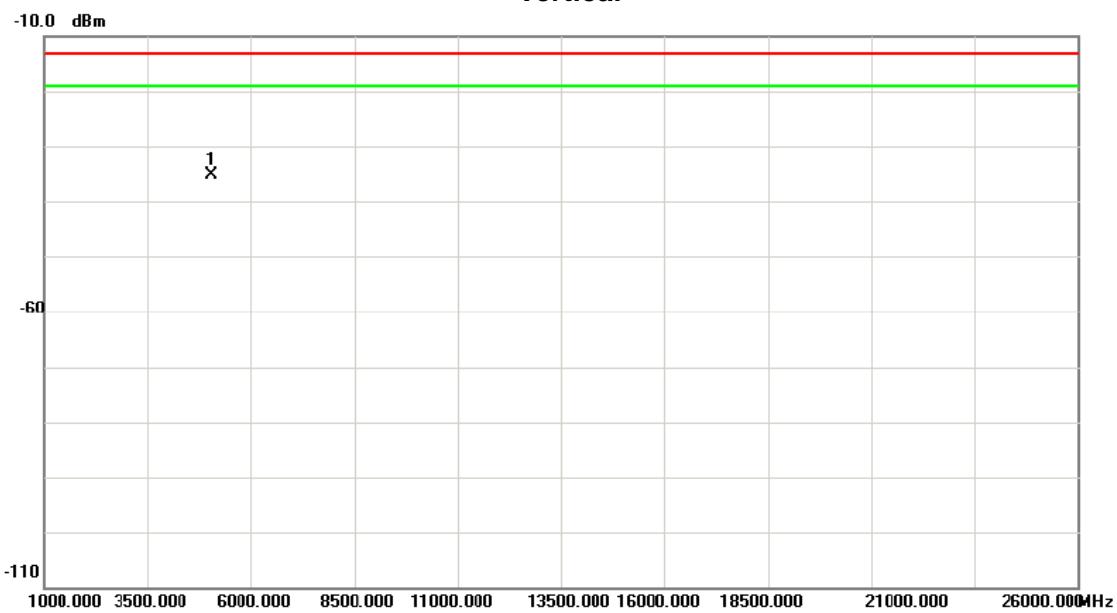
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin
		MHz	dBm	dB	dBm	dB	Detector Comment
1	*	5065.600	-42.97	8.83	-34.14	-13.00	-21.14 peak

Test Mode: TX Channel Middle-QPSK 10M/1RB

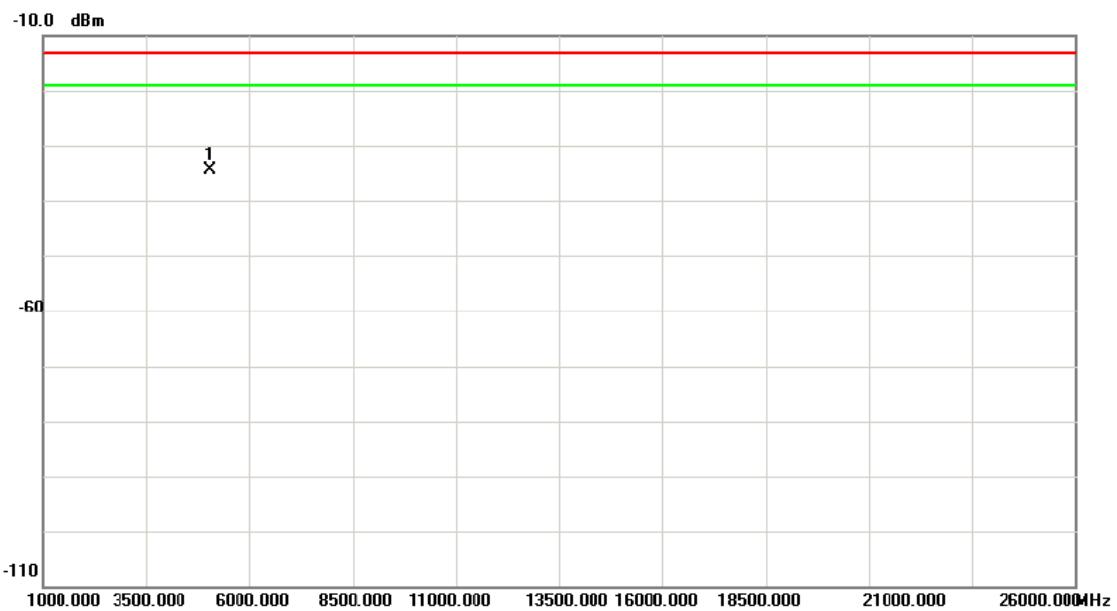
**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin
		MHz	dBm	dB	dBm	dB	Detector Comment
1	*	5061.240	-47.42	12.23	-35.19	-13.00	-22.19 peak

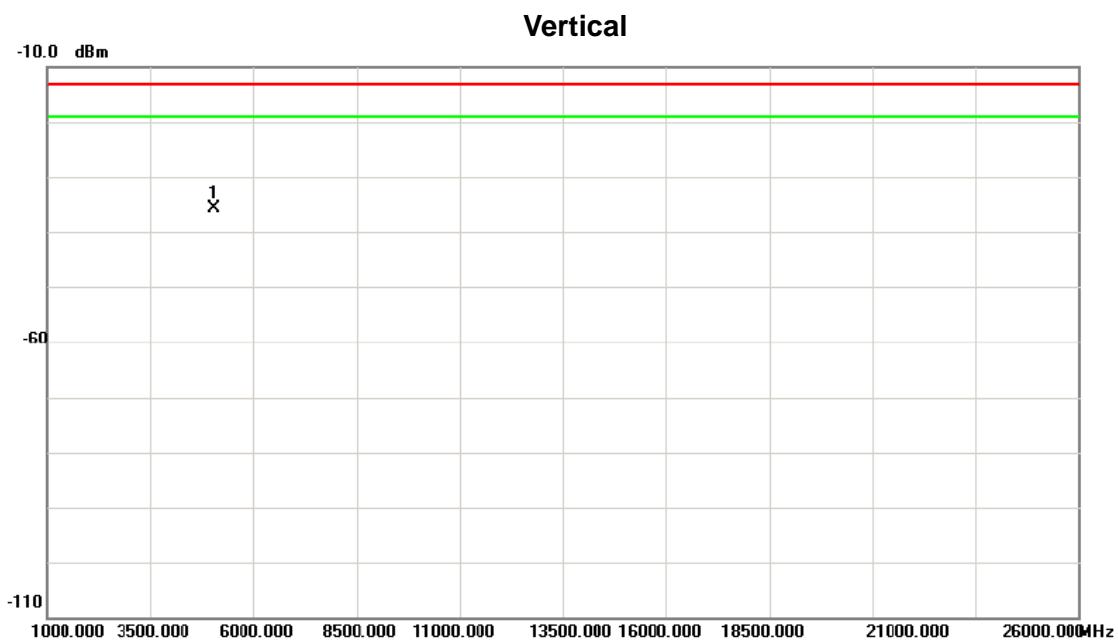
Test Mode: TX Channel Middle-QPSK 10M/1RB

**Horizontal**



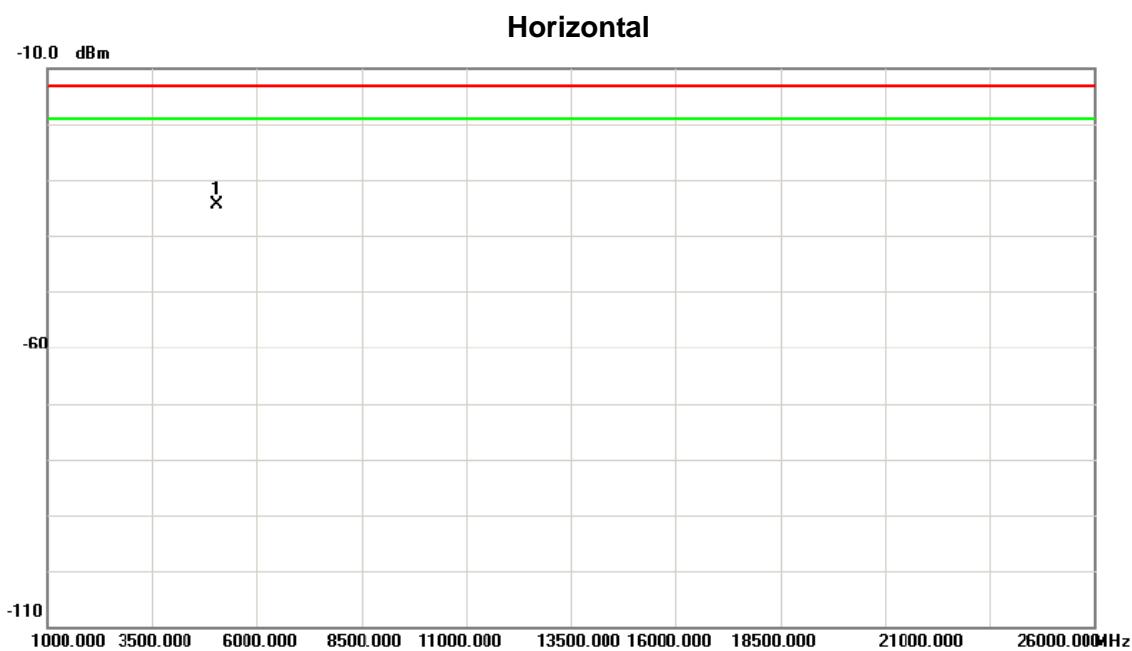
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBm	dB	dBm	dB	Detector	Comment
1	*	5061.140	-43.13	8.83	-34.30	-13.00	-21.30	peak

Test Mode: TX Channel Middle-QPSK 15M/1RB



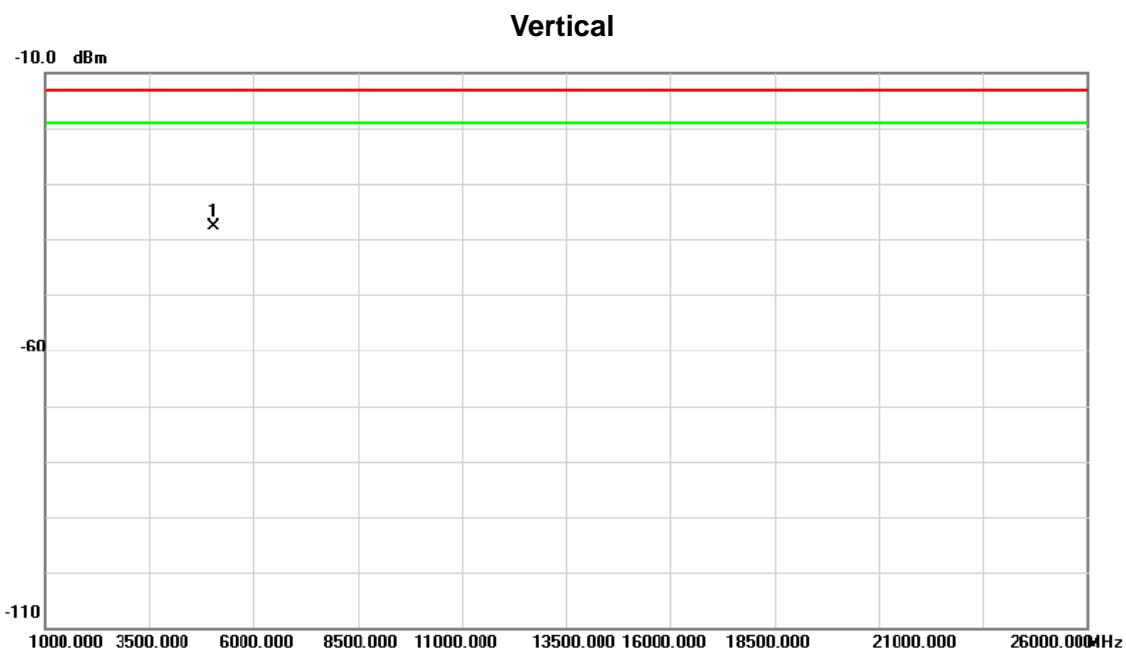
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	5056.550	-47.73	12.22	-35.51	-13.00	-22.51	peak	

Test Mode: TX Channel Middle-QPSK 15M/1RB



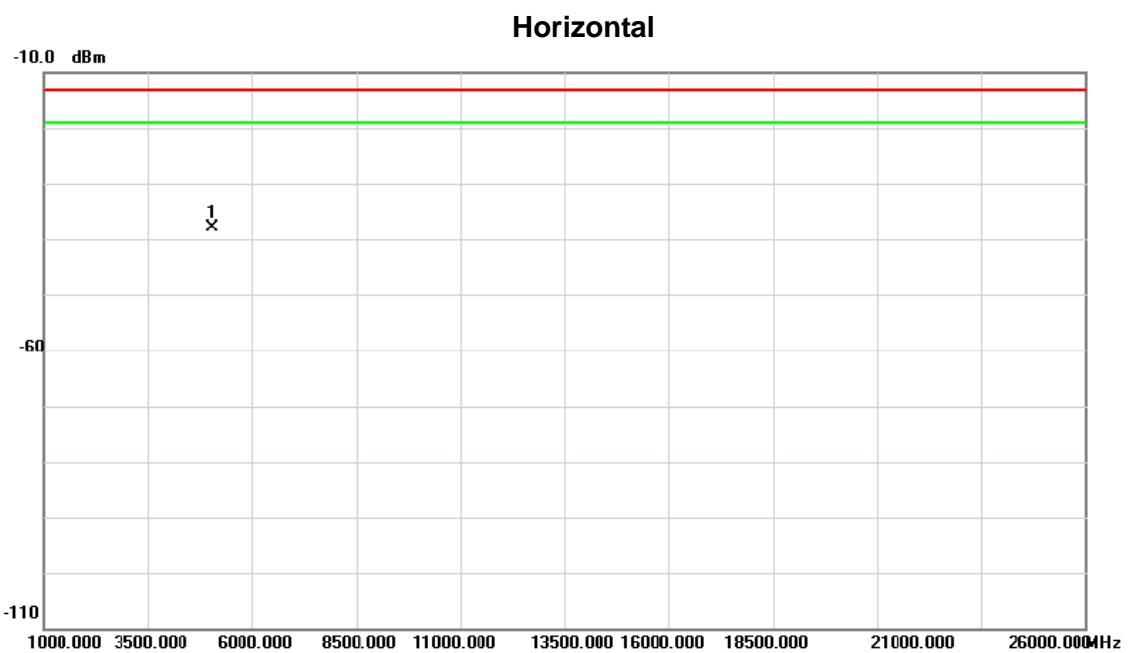
No.	Mk.	Reading Freq. MHz	Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	5056.550	-43.30	8.84	-34.46	-13.00	-21.46	peak	

Test Mode: TX Channel Middle-QPSK 20M/1RB



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
			Level	Factor	ment			
		MHz	dBm	dB	dBm	dB	Detector	Comment
1	*	5052.200	-49.86	12.22	-37.64	-13.00	-24.64	peak

Test Mode: TX Channel Middle-QPSK 20M/1RB



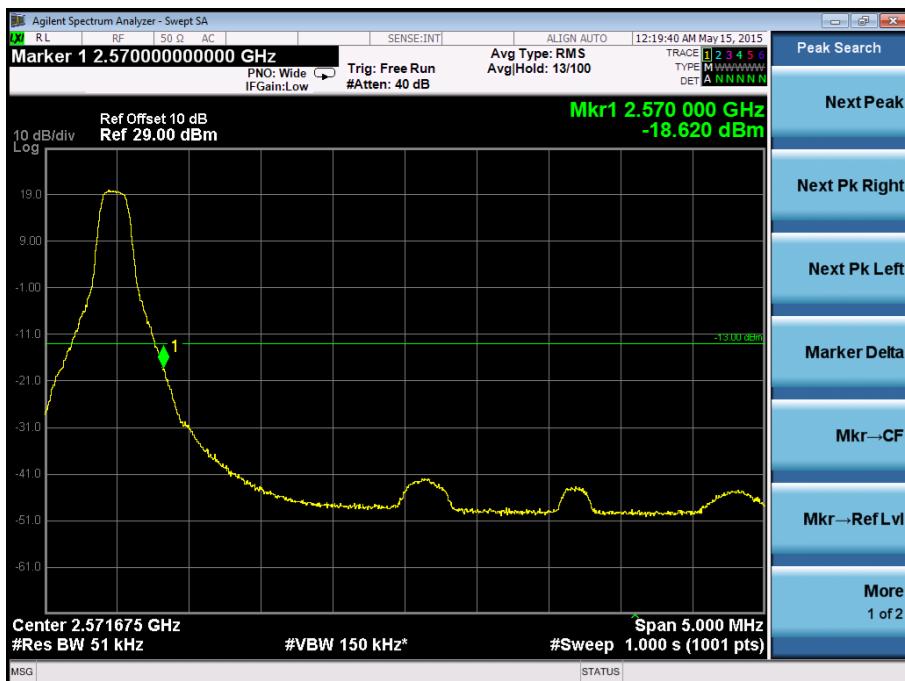
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBm	dB	dBm	dB	Detector	Comment
1	*	5052.200	-46.61	8.84	-37.77	-13.00	-24.77	peak

## ATTACHMENTE - BAND EDGE

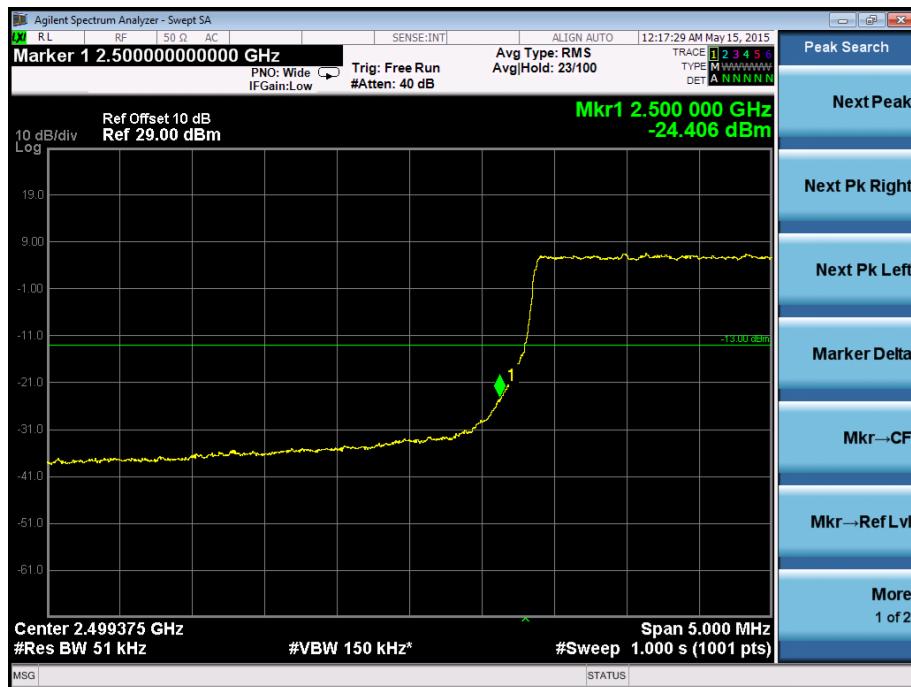
**Band Edge on Configuration QPSK-5M / 1RB Channel  
Lowest-CONDUCTED MODE**



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



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



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



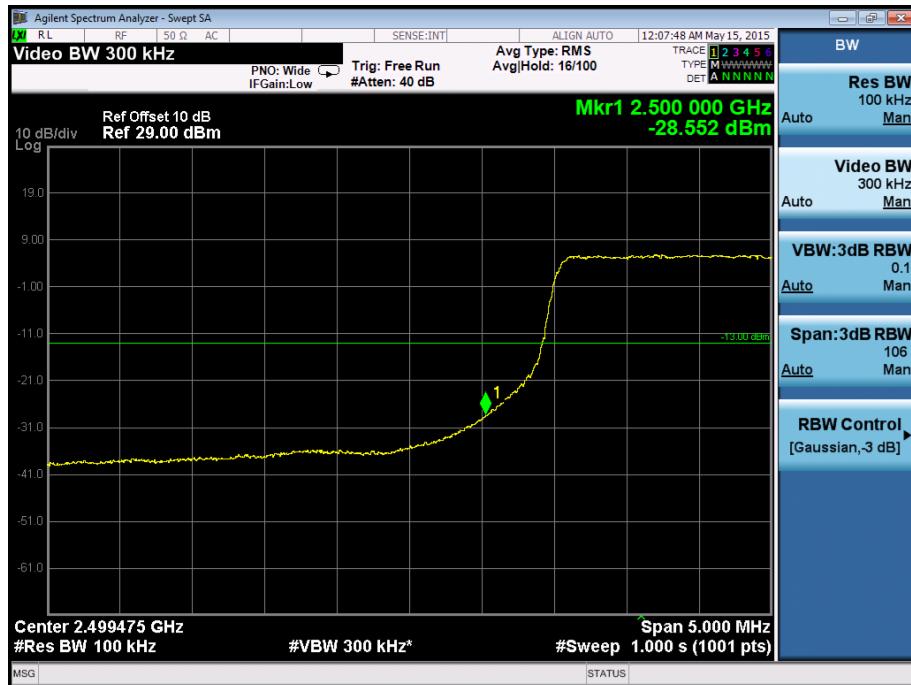
**Band Edge on Configuration QPSK-10M / 1RB Channel  
Lowest-CONDUCTED MODE**



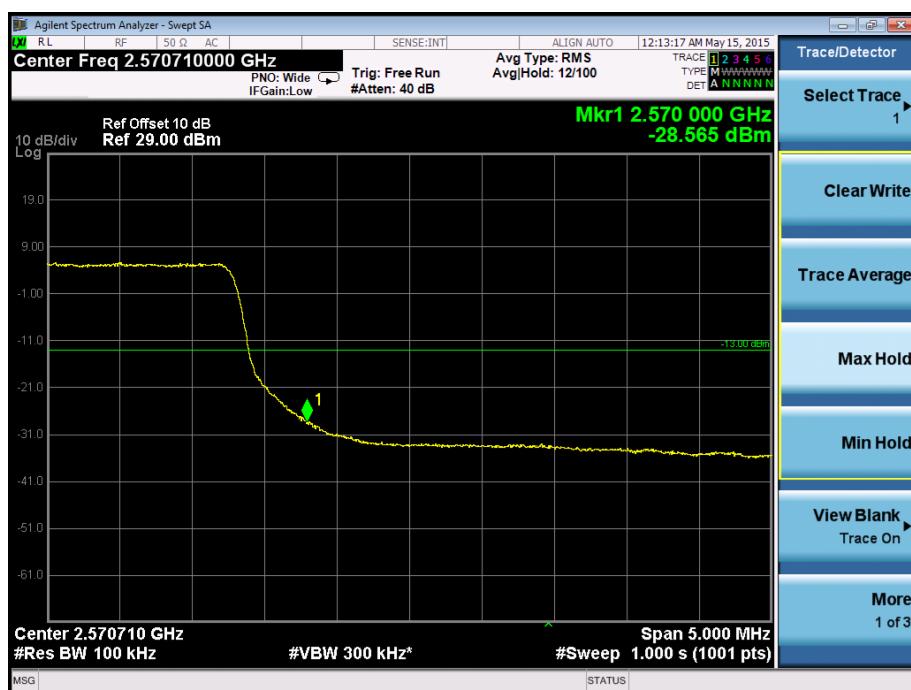
**Band Edge on Configuration QPSK-10M / 1RB Channel  
Highest-CONDUCTED MODE**



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



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



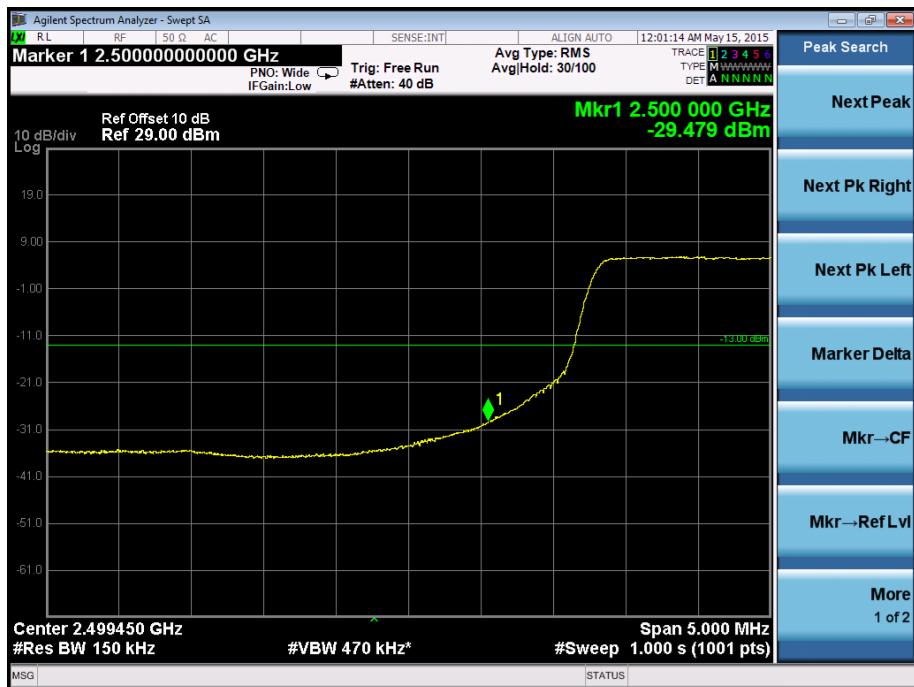
**Band Edge on Configuration QPSK-15M / 1RB Channel  
Lowest-CONDUCTED MODE**



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



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



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



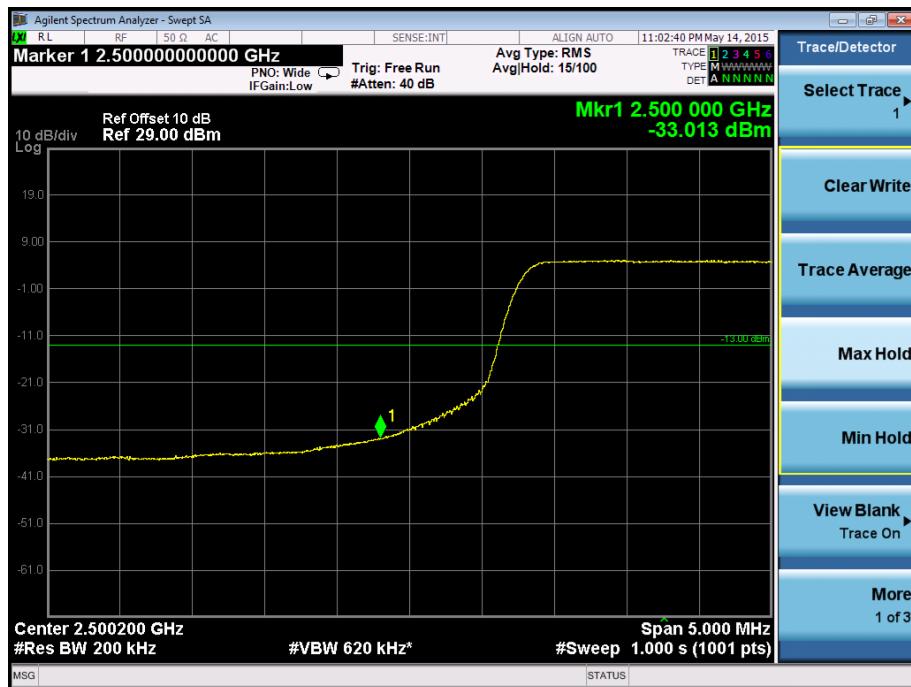
**Band Edge on Configuration QPSK-20M / 1RB Channel  
Lowest-CONDUCTED MODE**



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



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



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



## ATTACHMENT F - FREQUENCY STABILITY

Test Mode:	QPSKChannel Middle 5M/1RB 0 offset
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#### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.5	1.61	0.011267606	0.1
3.6	5.32	0.008309859	0.1
3.7	6.74	0.00884507	0.1
3.8	8.37	0.010394366	0.1
3.9	7.41	0.010211268	0.1
4.0	0.14	0.005591549	0.1
4.1	10.52	0.009676056	0.1
4.2	7.44	0.00928169	0.1
Max. Deviation (ppm)	<b>10.52</b>	<b>0.011267606</b>	<b>0.1</b>

#### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
40	-3.25	0.005492958	0.1
30	5.87	0.009450704	0.1
20	4.29	0.007521127	0.1
10	-1.58	0.008929577	0.1
0	-4.52	0.008197183	0.1
Max. Deviation (ppm)	<b>5.87</b>	<b>0.009450704</b>	<b>0.1</b>

Test Mode:	QPSKChannel Middle 10M/1RB 0 offset
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#### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.5	5.24	0.004985915	0.1
3.6	6.36	0.004619718	0.1
3.7	-5.64	0.008915493	0.1
3.8	1.25	0.004042254	0.1
3.9	3.62	0.009450704	0.1
4.0	7.05	0.011239437	0.1
4.1	-2.34	0.005380282	0.1
4.2	-3.67	0.002929577	0.1
Max. Deviation (ppm)	<b>7.05</b>	<b>0.011239437</b>	<b>0.1</b>

#### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
40	7.14	0.008971831	0.1
30	-5.23	0.00743662	0.1
20	6.47	0.005225352	0.1
10	2.19	0.013183099	0.1
0	3.88	0.005408451	0.1
Max. Deviation (ppm)	7.14	<b>0.013183099</b>	<b>0.1</b>

Test Mode:	QPSKChannel Middle 15M/1RB 0 offset
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### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.5	5.23	0.008619718	0.1
3.6	-6.68	0.003633803	0.1
3.7	7.45	0.005225352	0.1
3.8	2.34	0.005591549	0.1
3.9	1.57	0.003295775	0.1
4.0	6.24	0.005042254	0.1
4.1	3.14	0.005859155	0.1
4.2	2.54	0.007901408	0.1
Max. Deviation (ppm)	<b>7.45</b>	<b>0.008619718</b>	<b>0.1</b>

### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
40	-2.39	0.005183099	0.1
30	5.24	0.006380282	0.1
20	4.75	0.008014085	0.1
10	8.62	0.008704225	0.1
0	5.69	0.008323944	0.1
Max. Deviation (ppm)	<b>8.62</b>	<b>0.008704225</b>	<b>0.1</b>

Test Mode:	QPSKChannel Middle 20M/1RB 0 offset
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#### Voltage vs. Frequency Stability

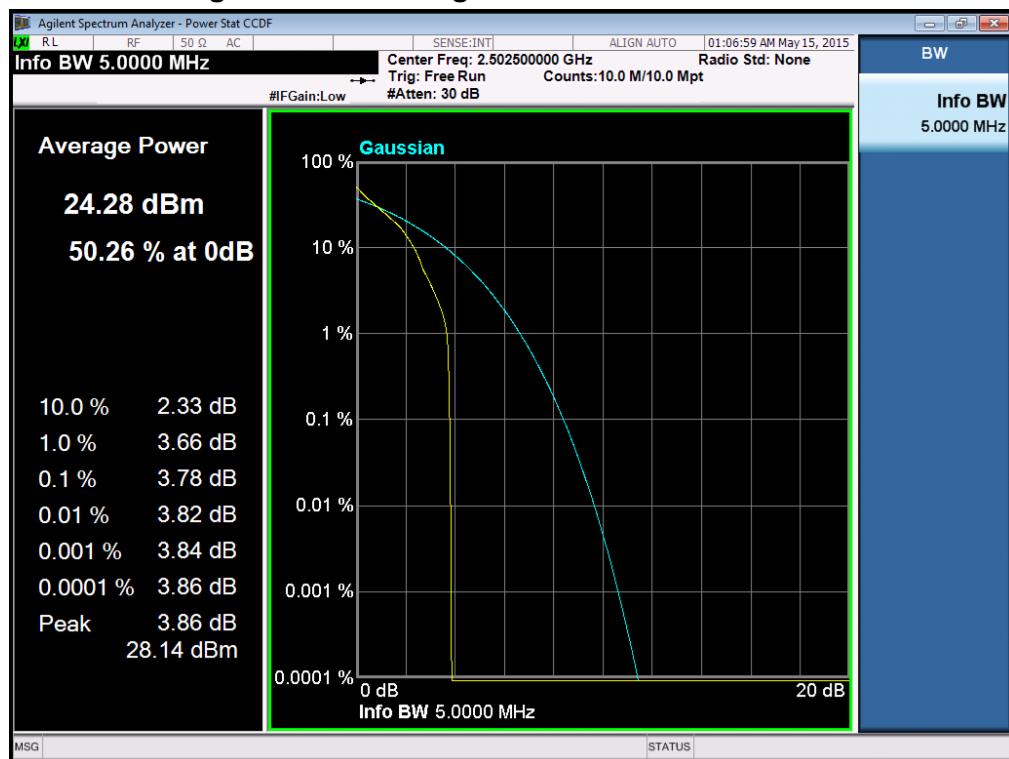
Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.5	-0.23	0.004197183	0.1
3.6	1.58	0.009450704	0.1
3.7	5.20	0.007549296	0.1
3.8	6.72	0.008774648	0.1
3.9	-2.24	0.005450704	0.1
4.0	3.28	0.007295775	0.1
4.1	1.42	0.003788732	0.1
4.2	5.39	0.008408451	0.1
Max. Deviation (ppm)	<b>6.72</b>	<b>0.009450704</b>	<b>0.1</b>

#### Temperature vs. Frequency Stability

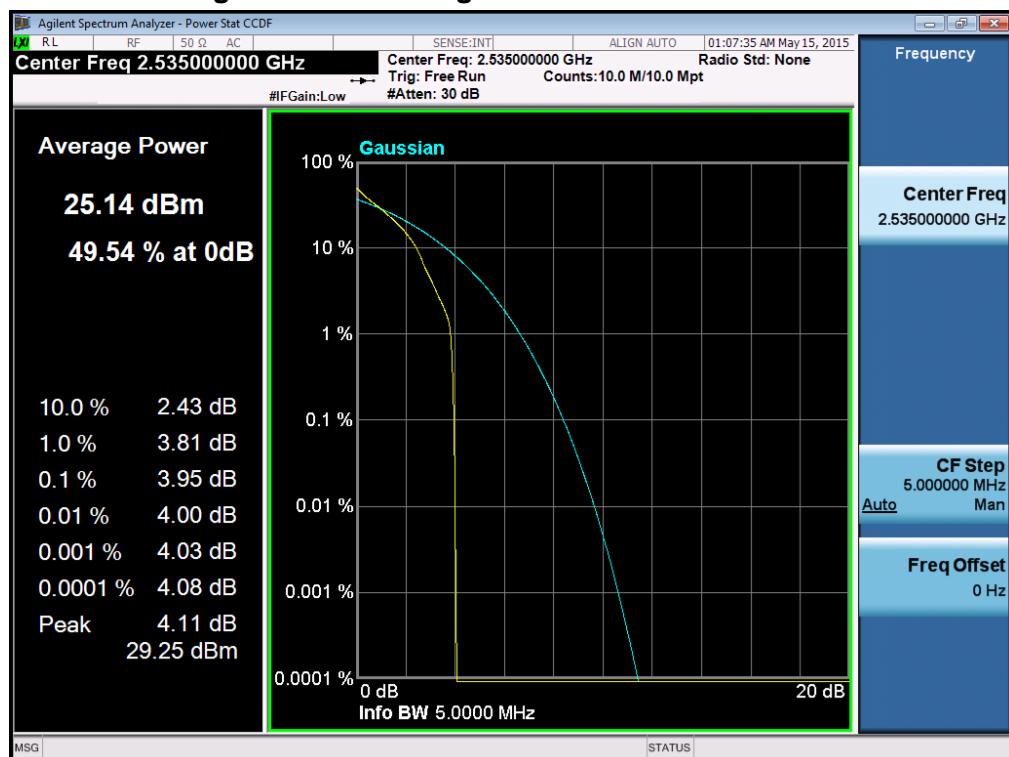
Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
40	7.25	0.009605634	0.1
30	6.85	0.010070423	0.1
20	7.41	0.010366197	0.1
10	-2.47	0.009830986	0.1
0	1.25	0.003253521	0.1
Max. Deviation (ppm)	<b>7.41</b>	<b>0.010366197</b>	<b>0.1</b>

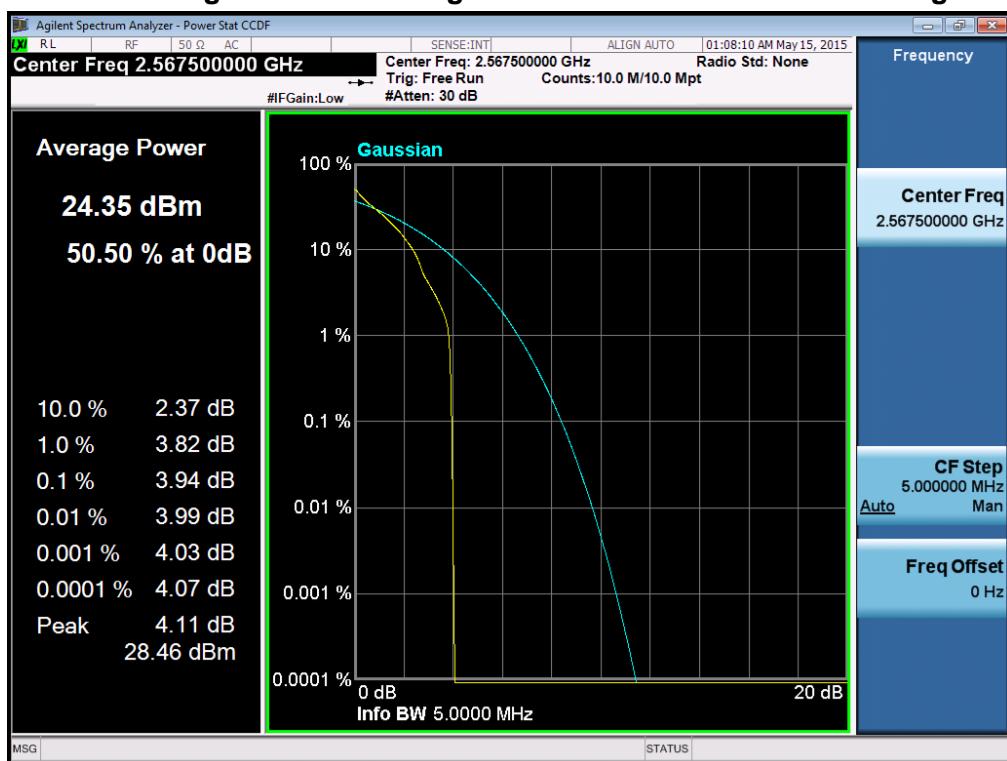
## **ATTACHMENTG - PEAK TO AVERAGE RADIO**

### Peak to Average Radio of Configuration-QPSK-5M/1RB channel Lowest

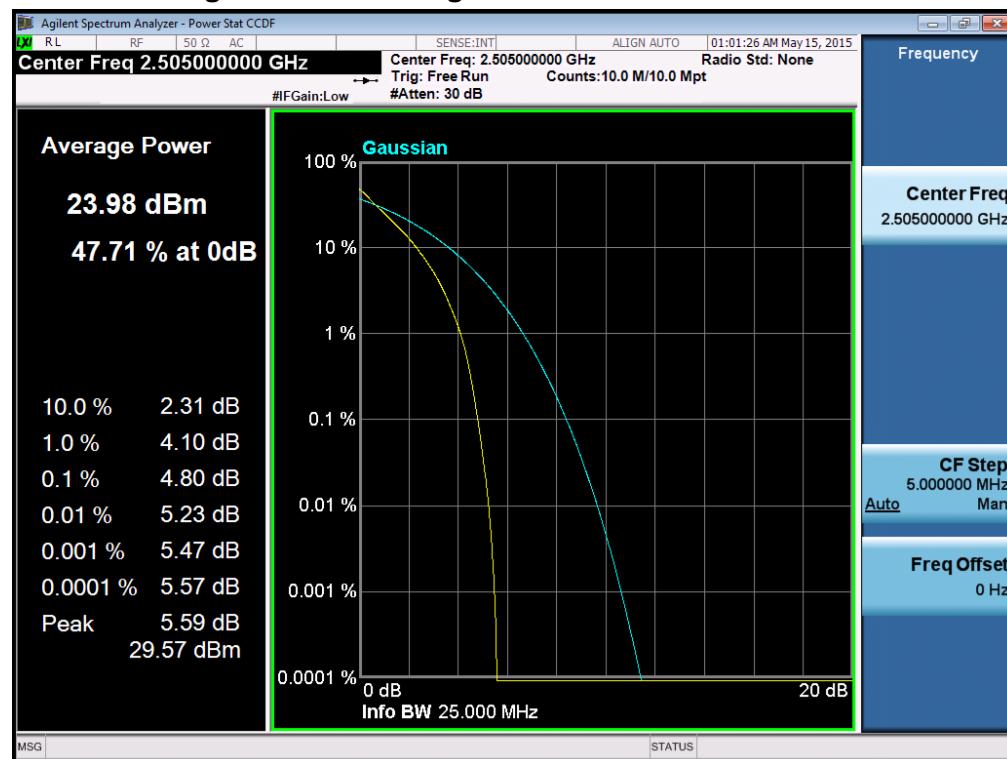


### Peak to Average Radio of Configuration-QPSK-5M/1RB channel Middle

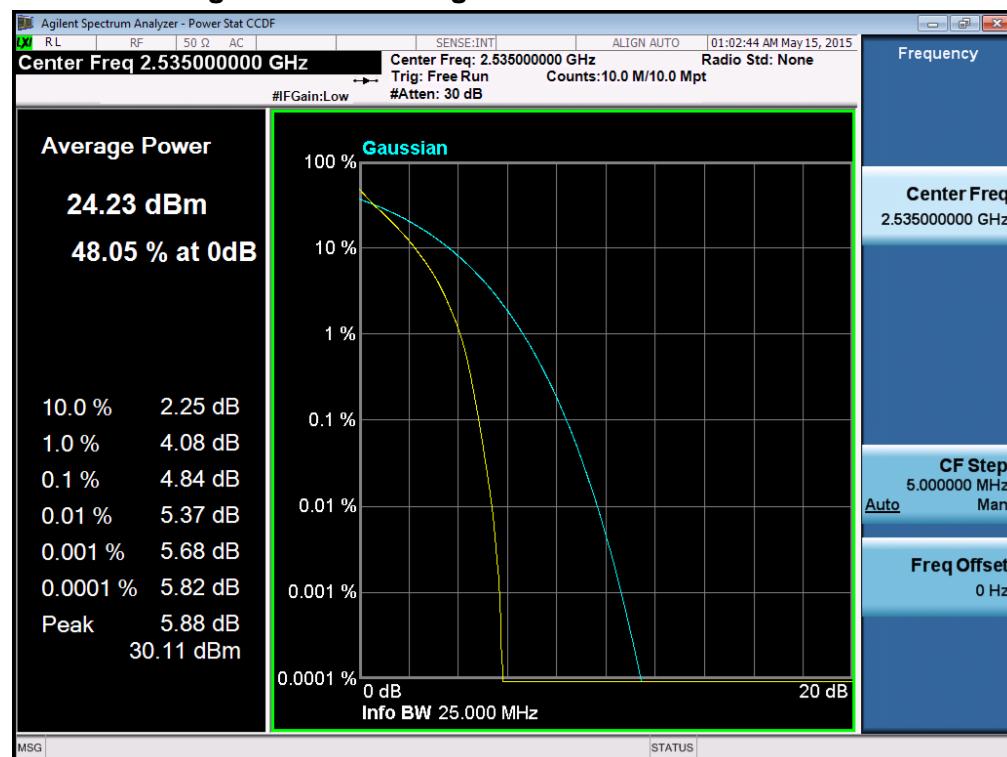


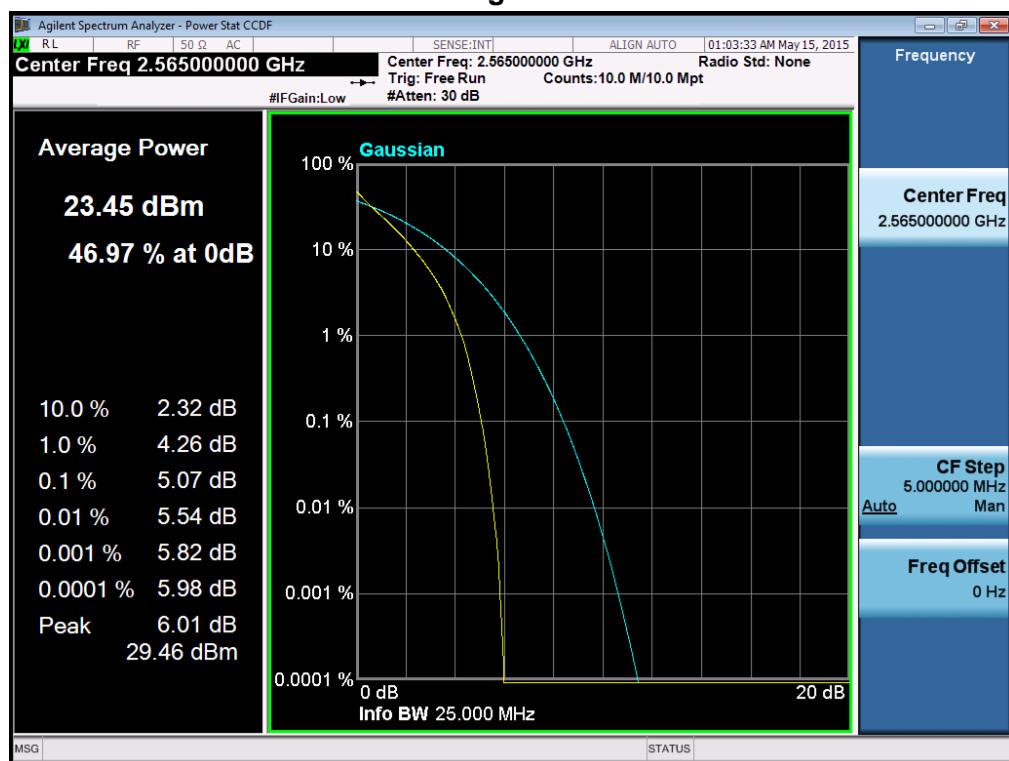
**Peak to Average Radio of Configuration-QPSK-5M/1RB channel Highest**

### Peak to Average Radio of Configuration-QPSK-10M/1RB channel Lowest

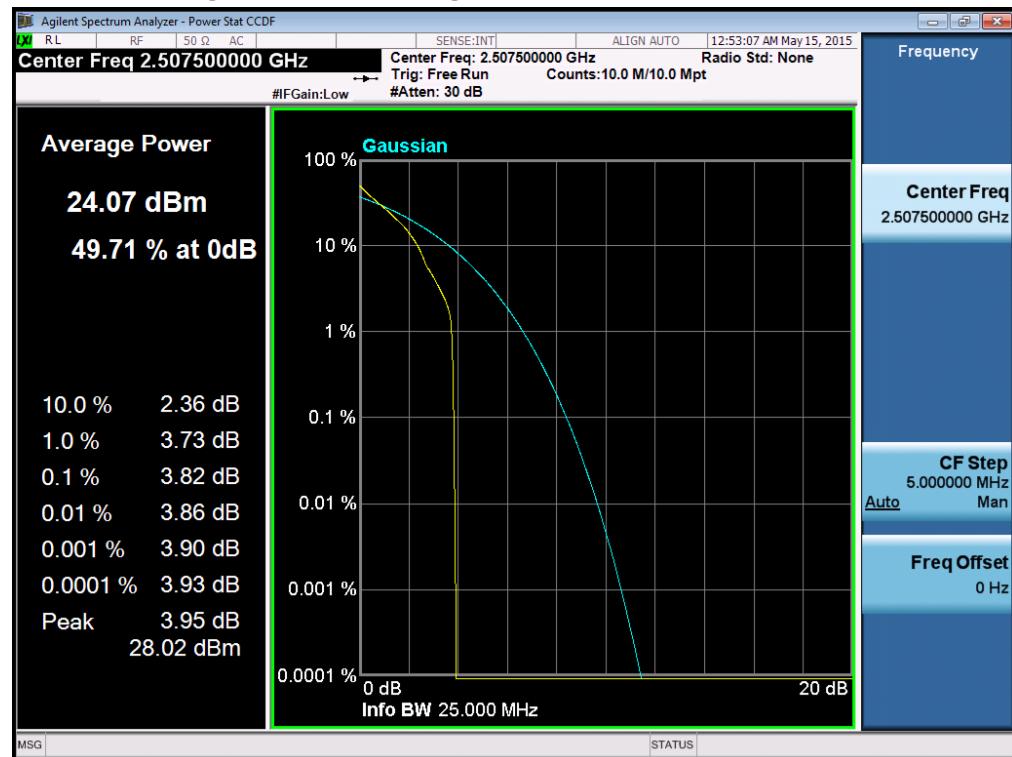


### Peak to Average Radio of Configuration-QPSK-10M/1RB channel Middle

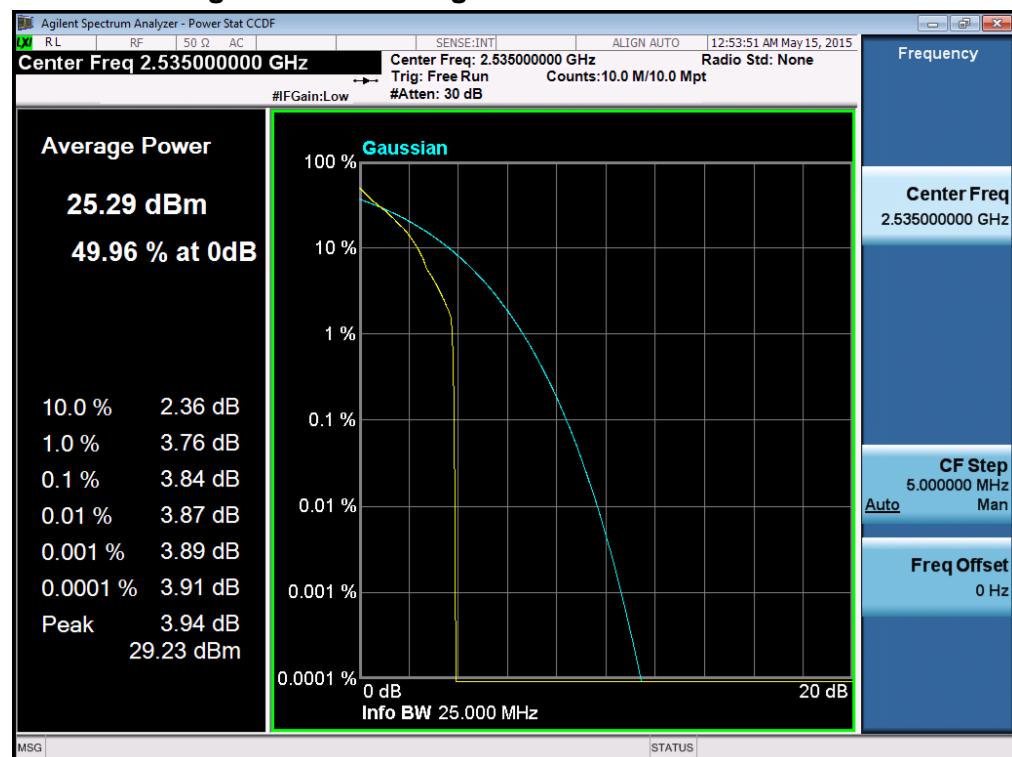


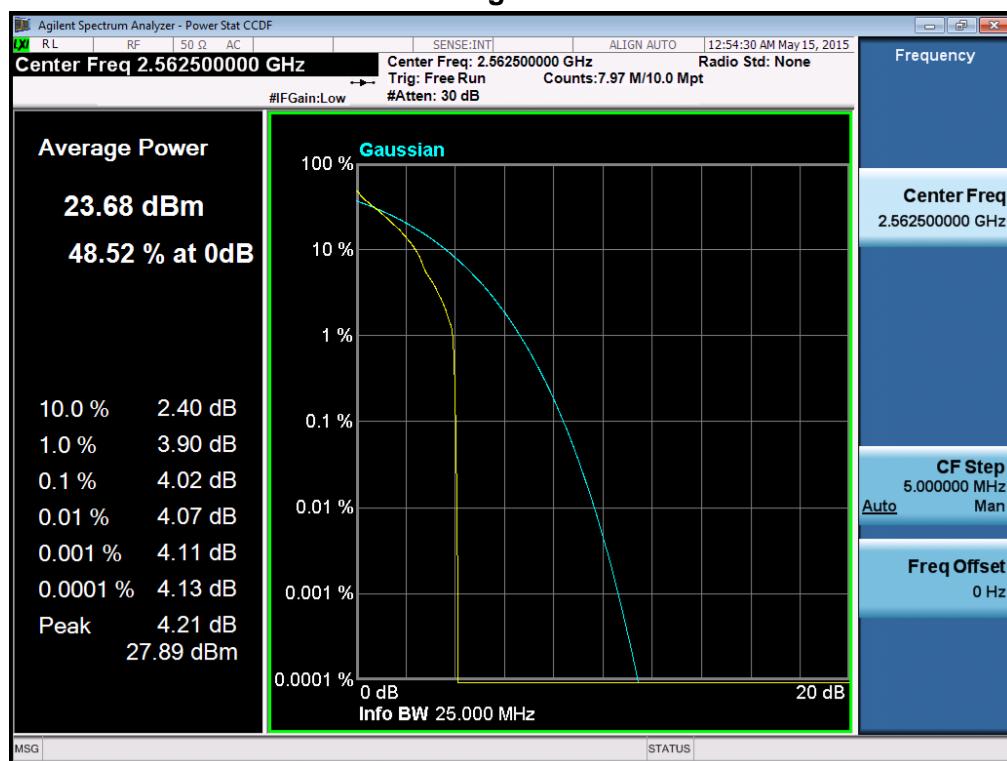
**Peak to Average Radio of Configuration-QPSK-10M/1RB channel****Highest**

### Peak to Average Radio of Configuration-QPSK-15M/1RB channel Lowest

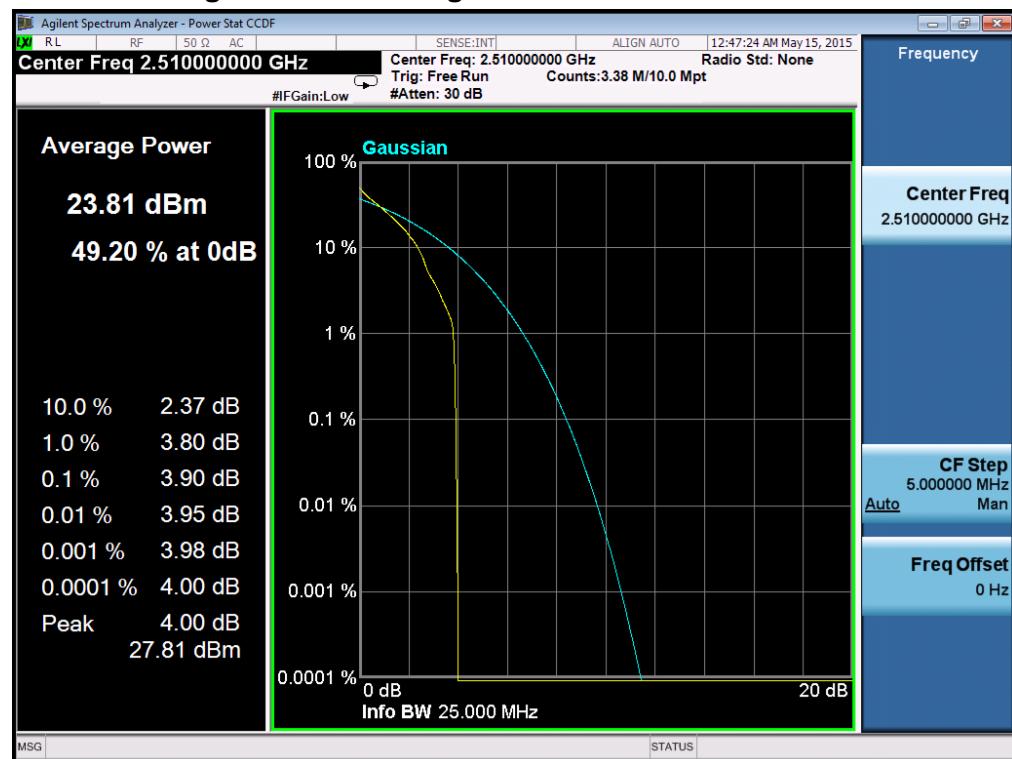


### Peak to Average Radio of Configuration-QPSK-15M/1RB channel Middle

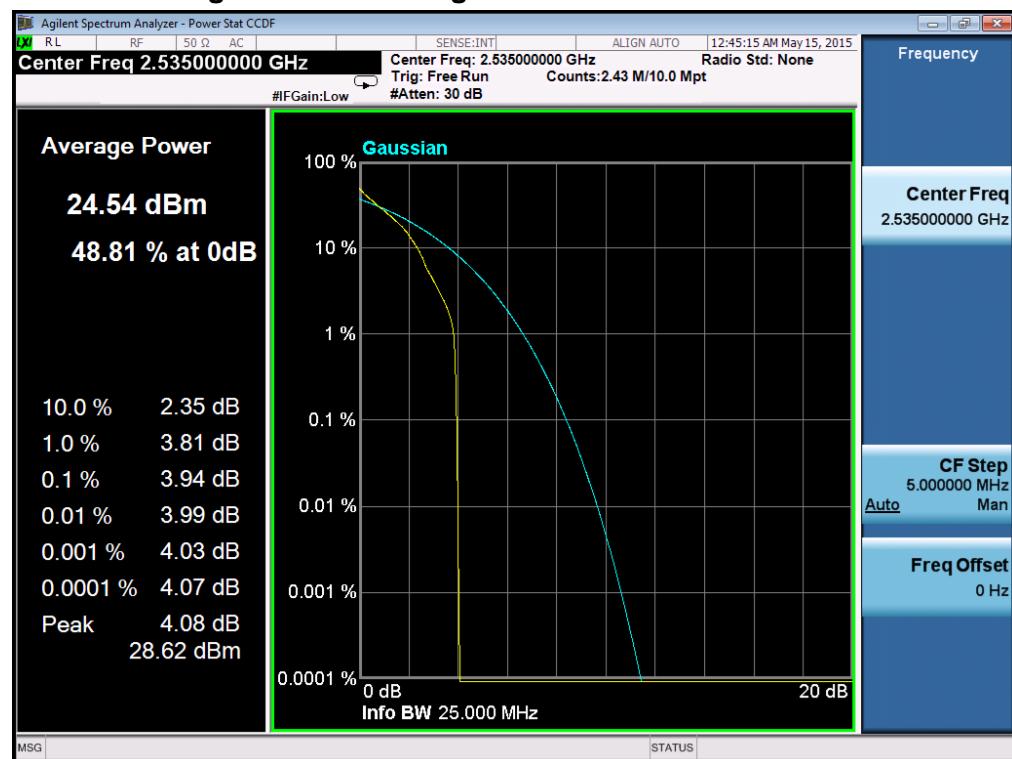


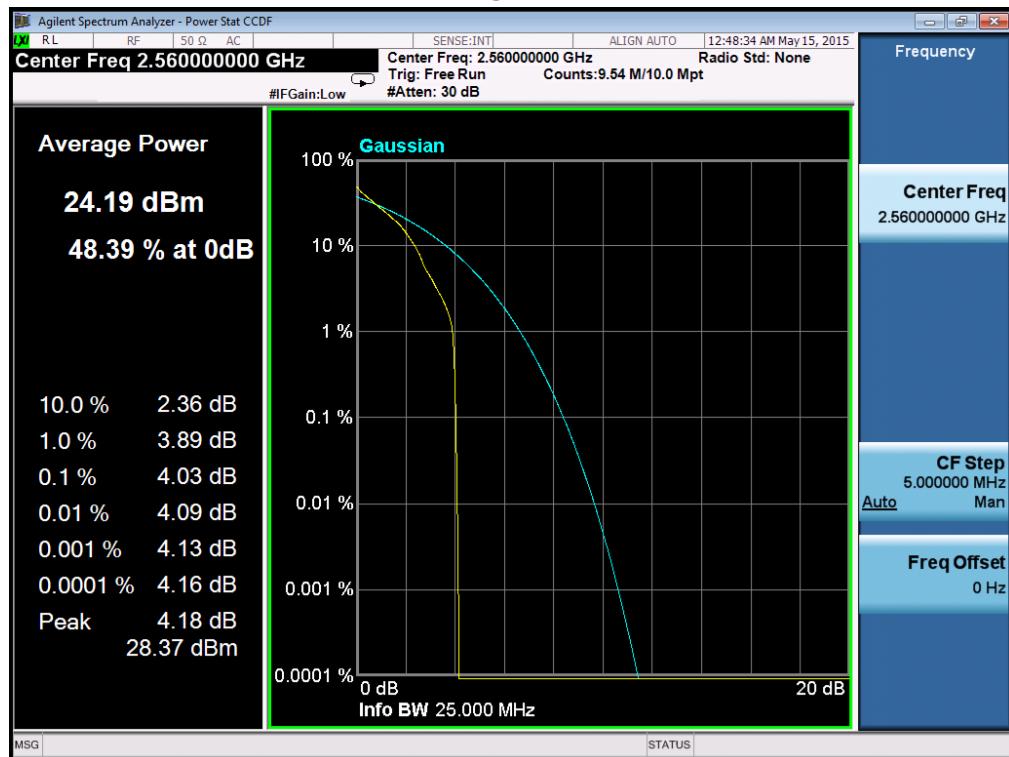
**Peak to Average Radio of Configuration-QPSK-15M/1RB channel****Highest**

### Peak to Average Radio of Configuration-QPSK-20M/1RB channel Lowest



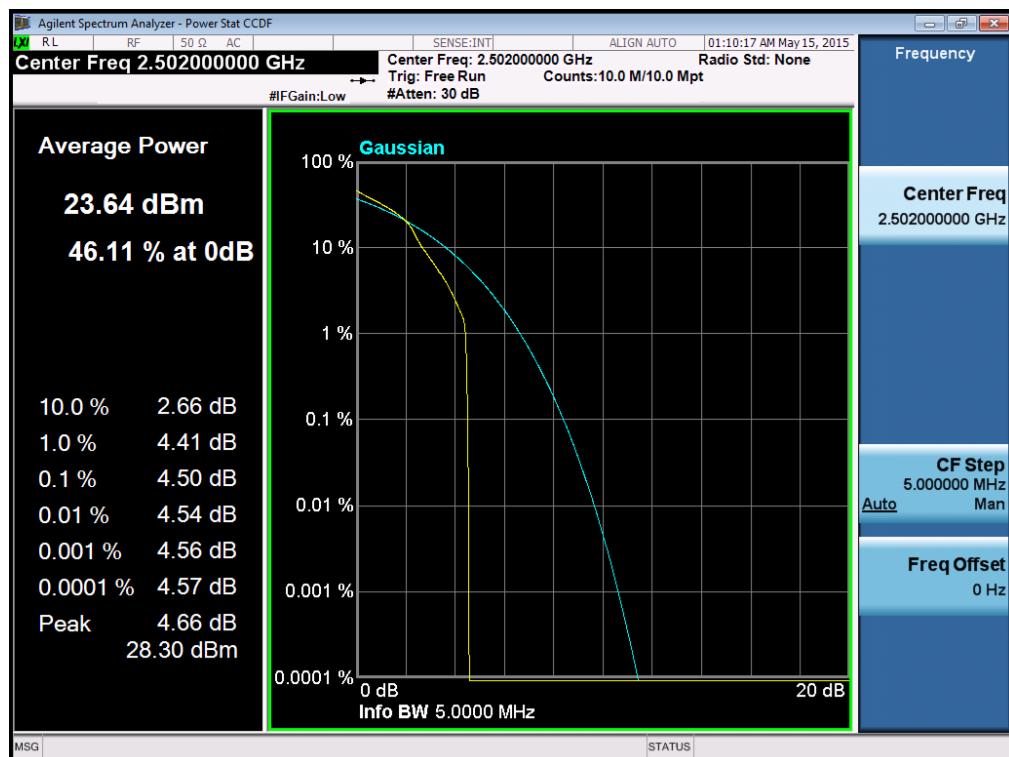
### Peak to Average Radio of Configuration-QPSK-20M/1RB channel Middle



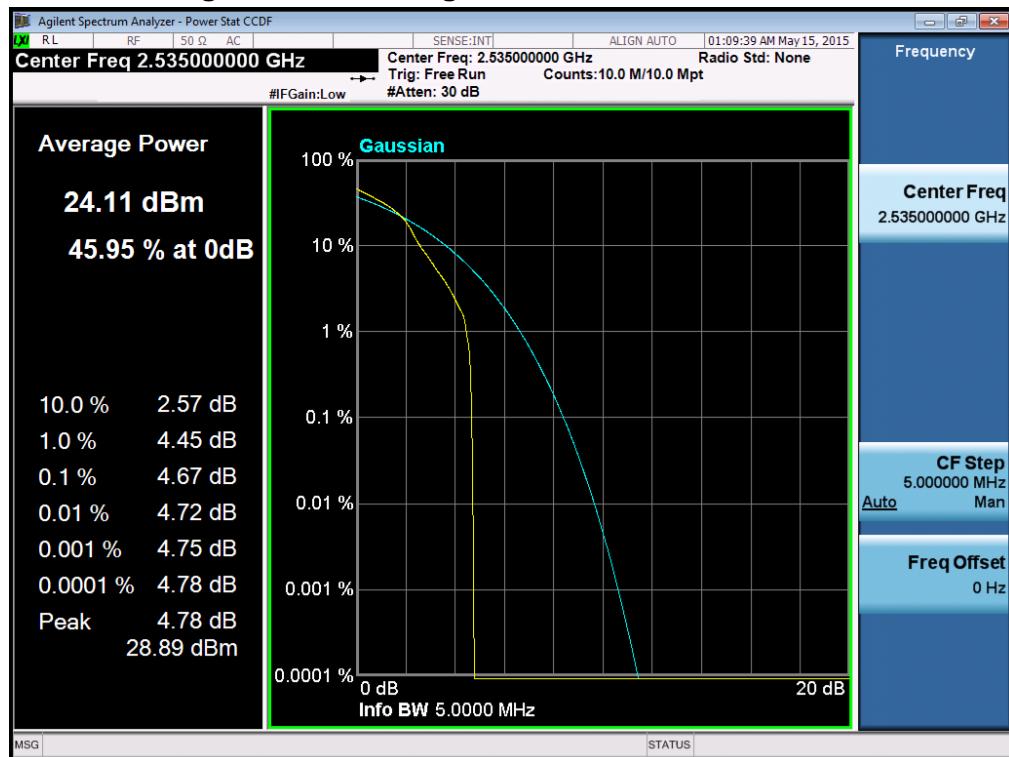
**Peak to Average Radio of Configuration-QPSK-20M/1RB channel****Highest**

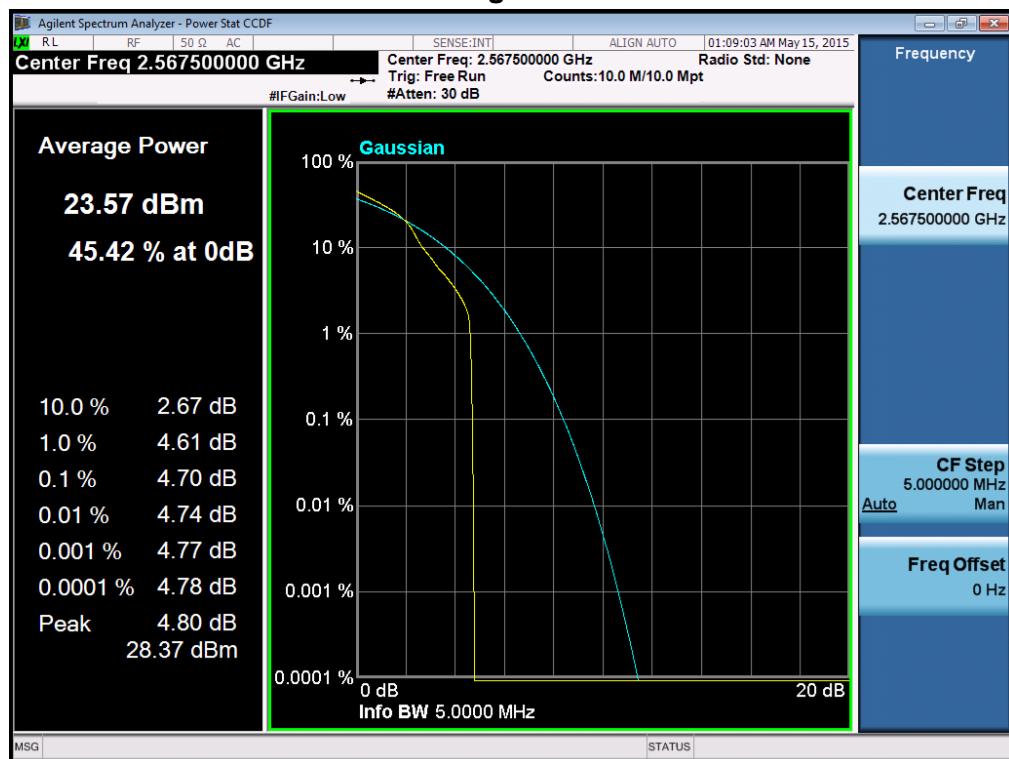
## Peak to Average Radio of Configuration-16-QAM-5M/1RB channel

**Lowest**



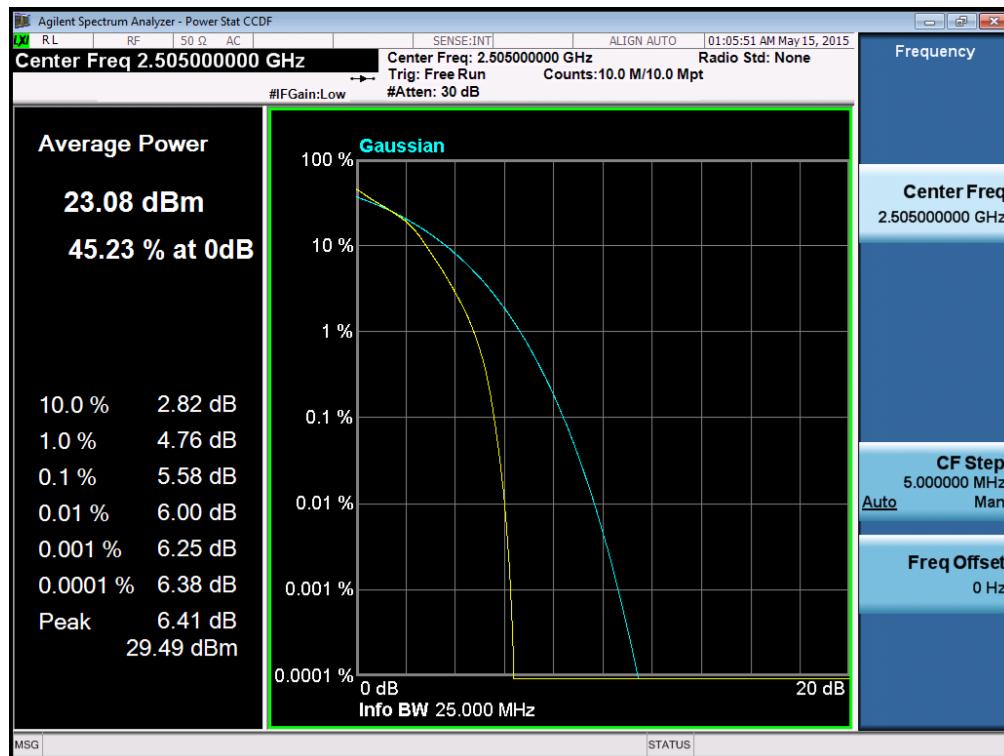
## Peak to Average Radio of Configuration-16-QAM-5M/1RB channel Middle



**Peak to Average Radio of Configuration-16-QAM-5M/1RB channel****Highest**

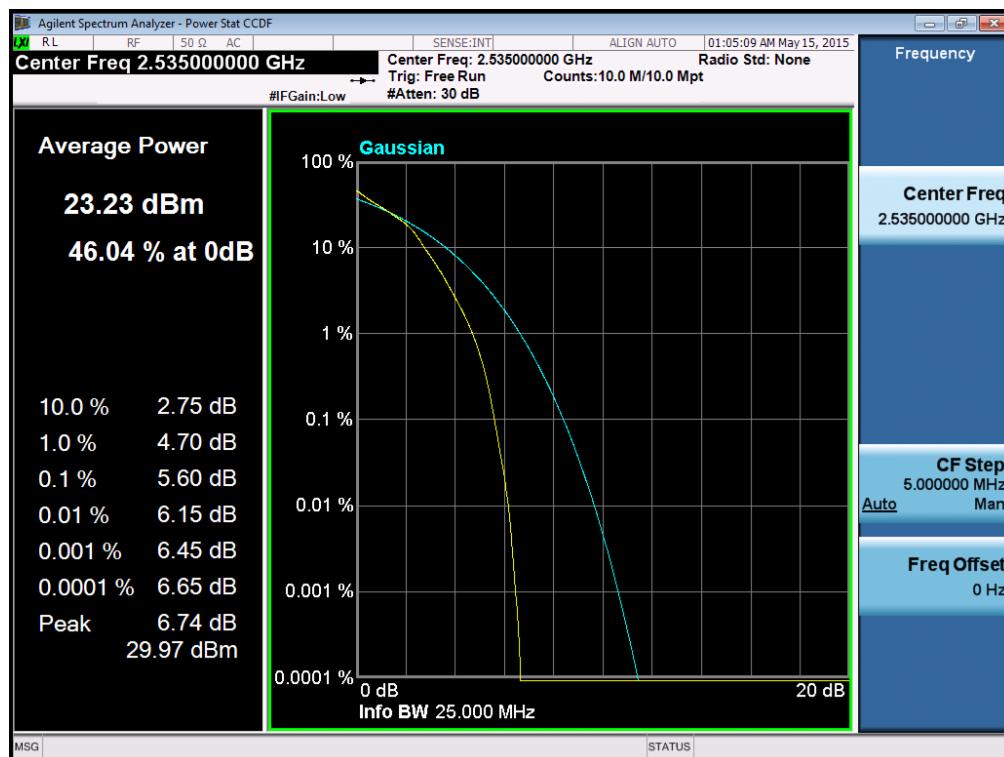
### Peak to Average Radio of Configuration-16-QAM-10M/1RB channel

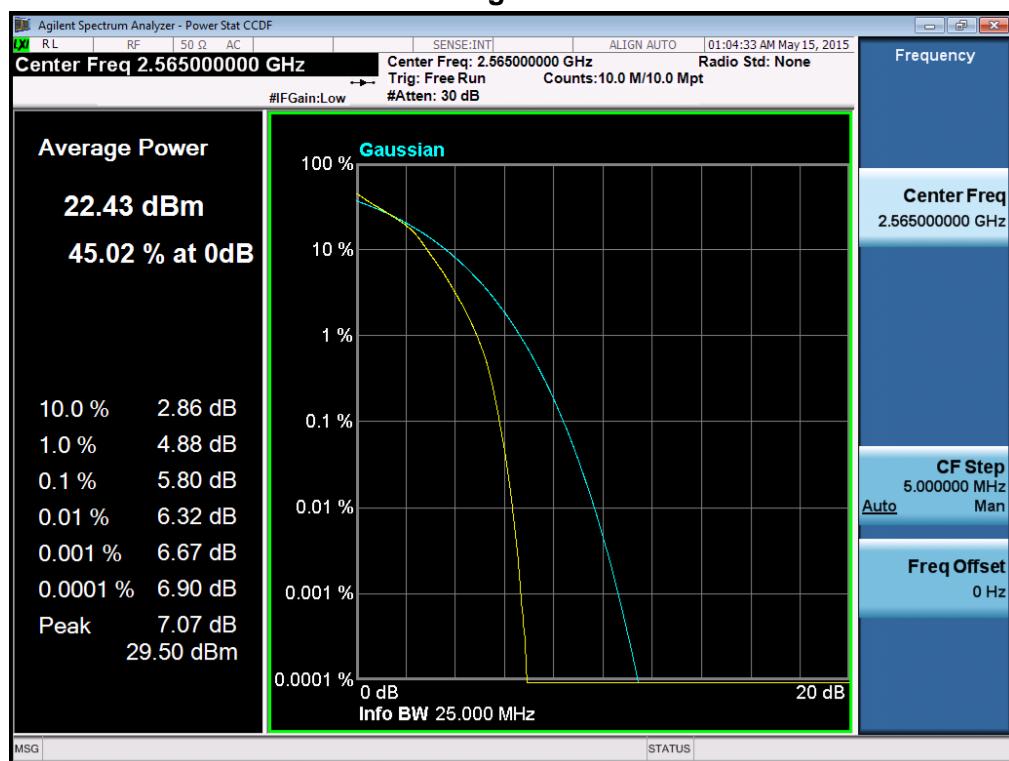
**Lowest**



### Peak to Average Radio of Configuration-16-QAM-10M/1RB channel

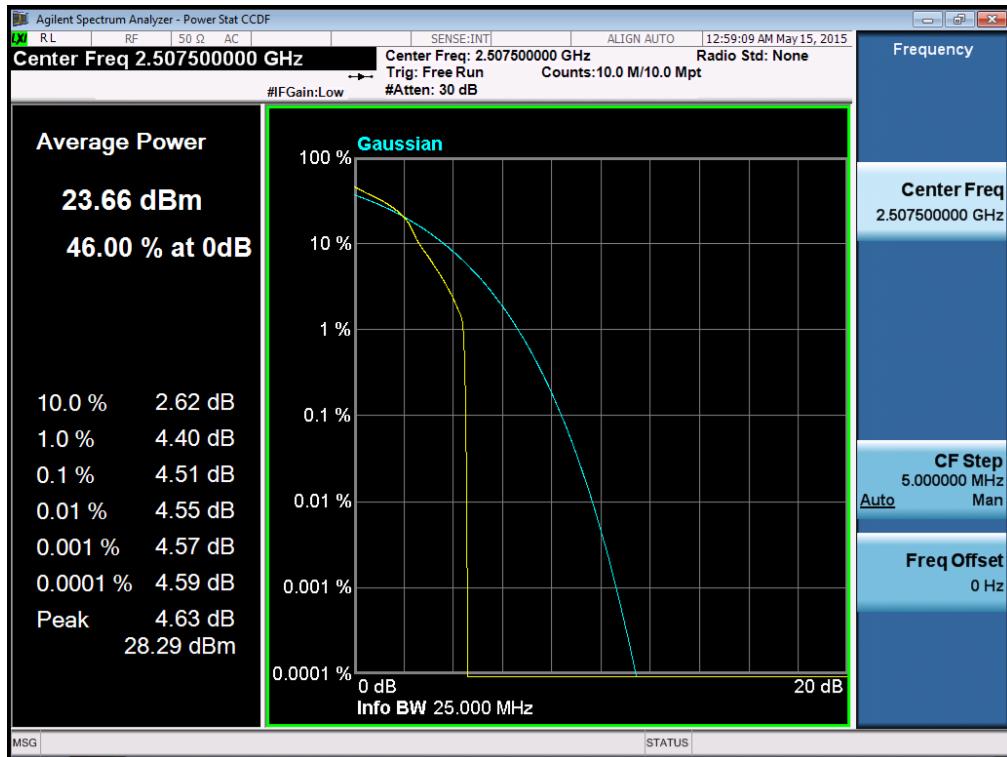
**Middle**



**Peak to Average Radio of Configuration-16-QAM-10M/1RB channel****Highest**

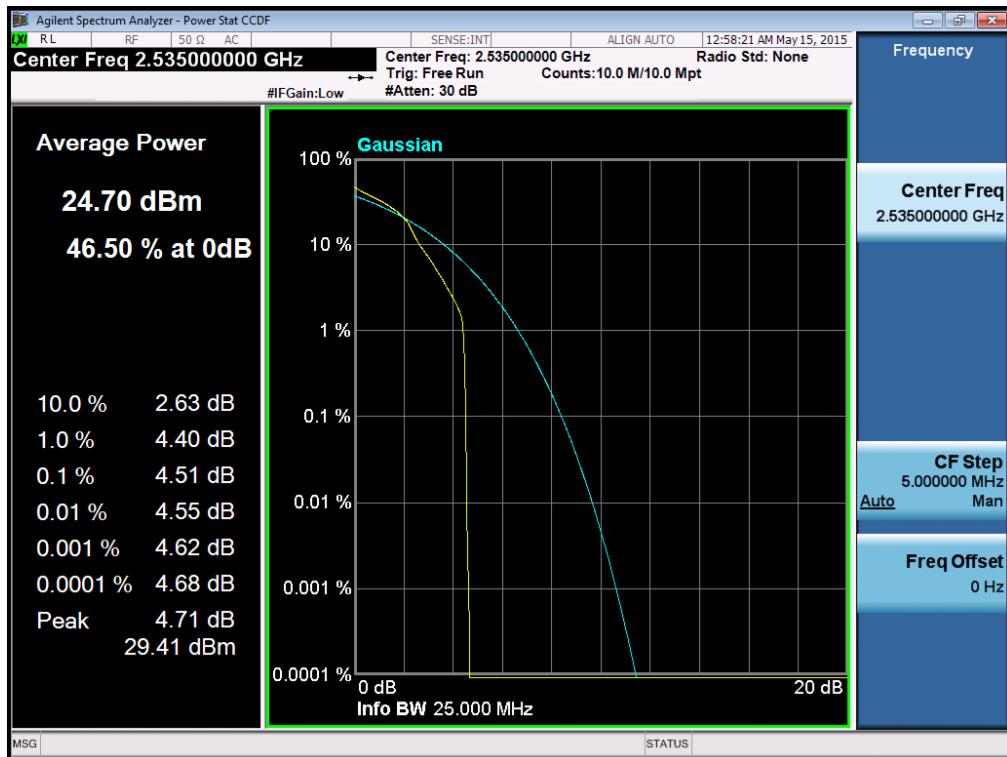
### Peak to Average Radio of Configuration-16-QAM-15M/1RB channel

Lowest



### Peak to Average Radio of Configuration-16-QAM-15M/1RB channel

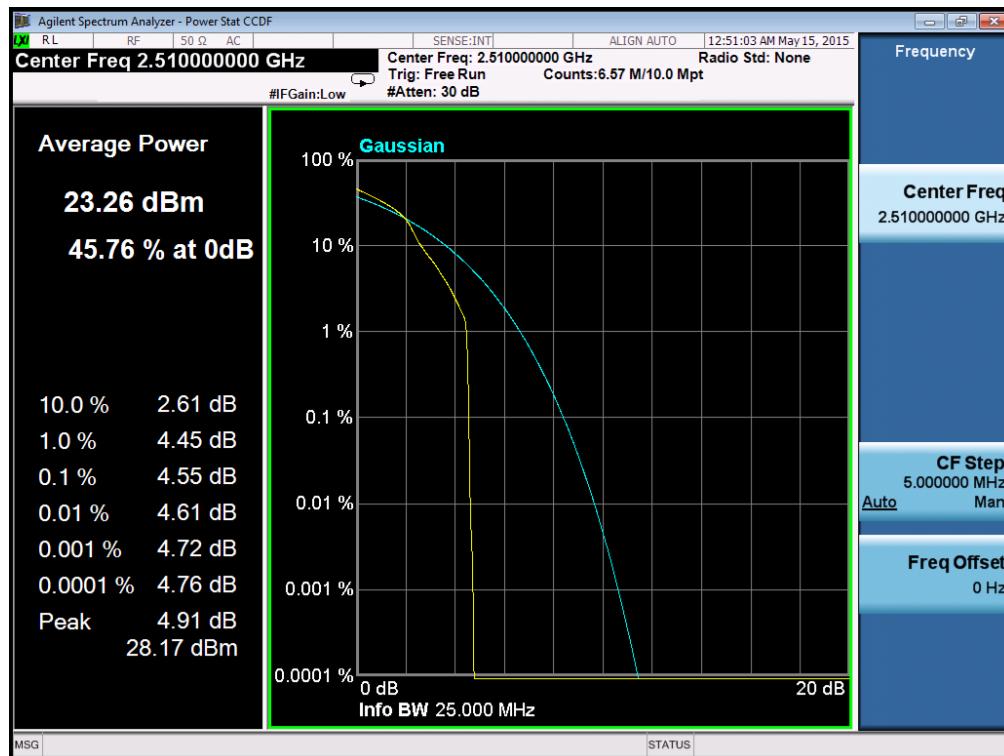
Middle



**Peak to Average Radio of Configuration-16-QAM-15M/1RB channel****Highest**

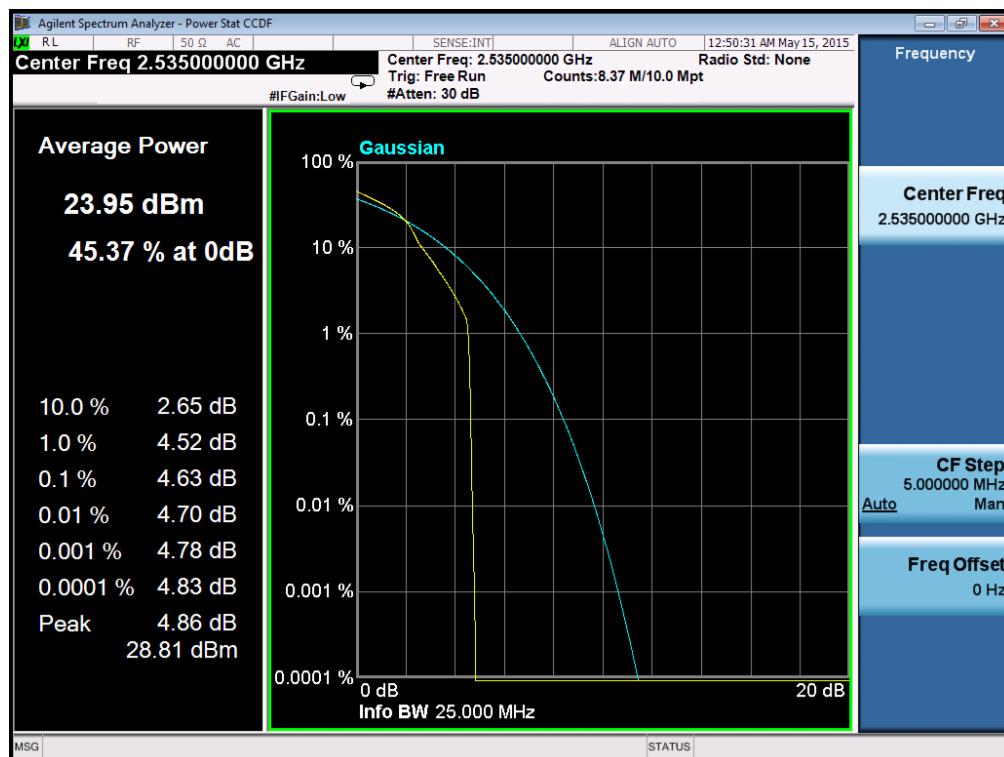
### Peak to Average Radio of Configuration-16-QAM-20M/1RB channel

Lowest



### Peak to Average Radio of Configuration-16-QAM-20M/1RB channel

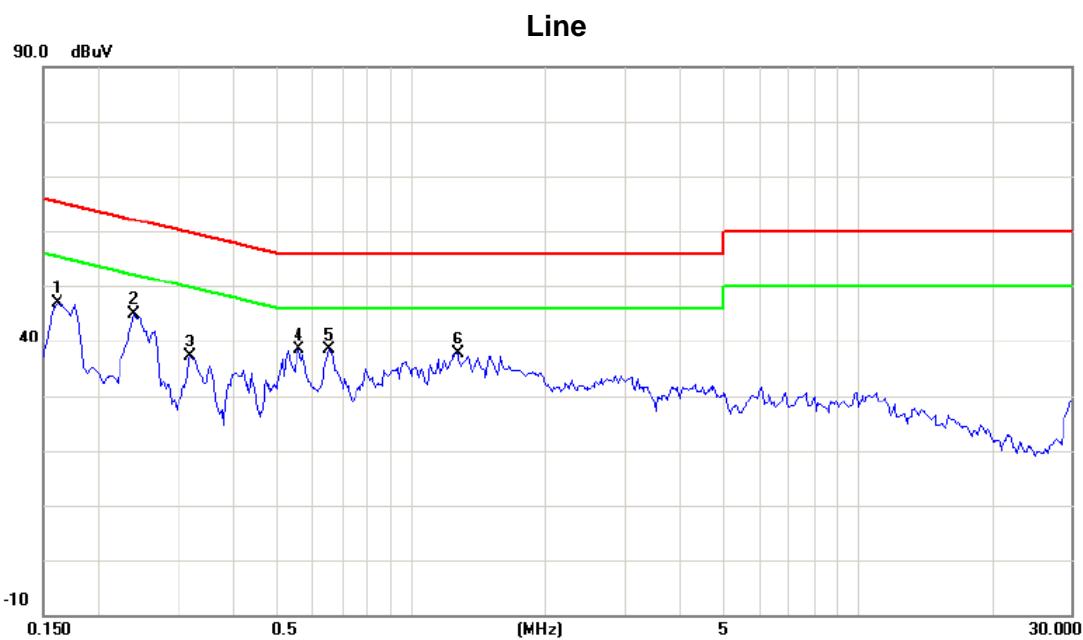
Middle



**Peak to Average Radio of Configuration-16-QAM-20M/1RB channel****Highest**

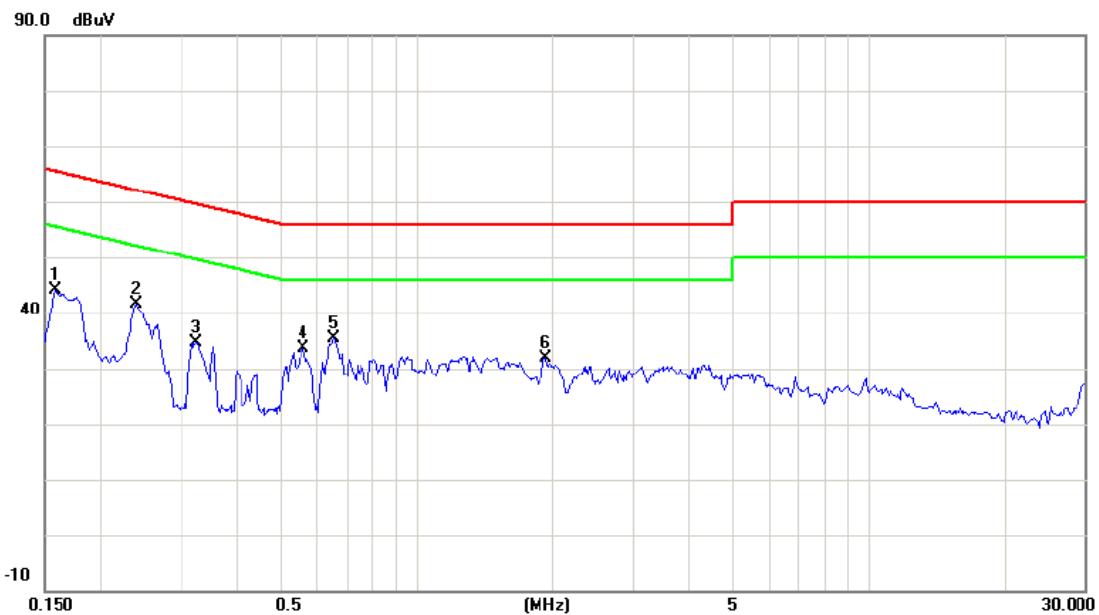
## ATTACHMENT -CONDUCTED EMISSION

Test Mode: TX Mode



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1617	37.12	9.66	46.78	65.38	-18.60		peak
2	*	0.2398	35.24	9.71	44.95	62.10	-17.15		peak
3		0.3215	27.40	9.75	37.15	59.67	-22.52		peak
4		0.5601	28.62	9.82	38.44	56.00	-17.56		peak
5		0.6540	28.52	9.85	38.37	56.00	-17.63		peak
6		1.2670	27.72	9.92	37.64	56.00	-18.36		peak

Test Mode: TX Mode

**Neutral**

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dB	Margin	Detector	Comment
1		0.1577	34.46	9.57	44.03	65.58	-21.55	peak	
2	*	0.2398	32.10	9.60	41.70	62.10	-20.40	peak	
3		0.3256	25.14	9.61	34.75	59.56	-24.81	peak	
4		0.5601	24.02	9.65	33.67	56.00	-22.33	peak	
5		0.6542	25.85	9.65	35.50	56.00	-20.50	peak	
6		1.9273	21.96	9.85	31.81	56.00	-24.19	peak	