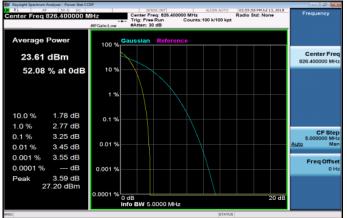
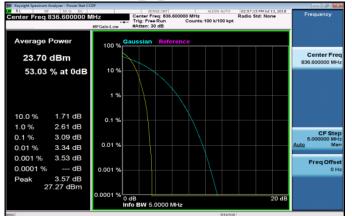


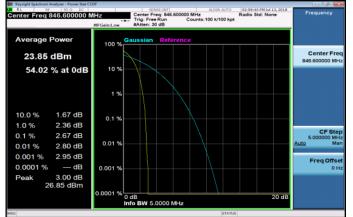
#### WCDMA\_B5\_LowCH4132-826.4



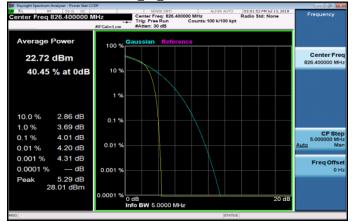
#### WCDMA B5 MidCH4183-836.6



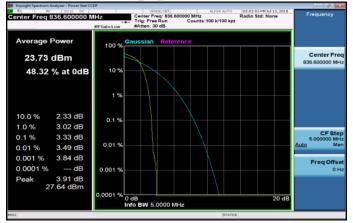
#### WCDMA\_B5\_HighCH4233-846.6



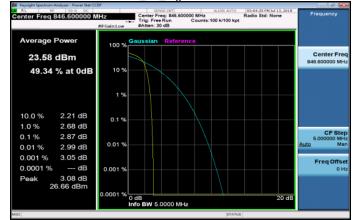
#### HSDPA\_B5\_LowCH4132-826.4



#### HSDPA B5 MidCH4183-836.6



#### HSDPA\_B5\_HighCH4233-846.6



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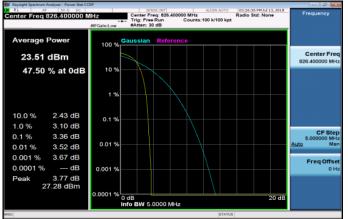
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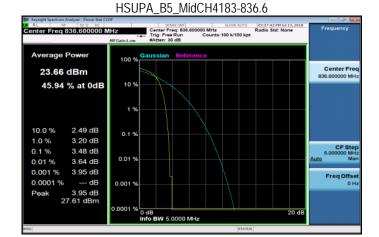
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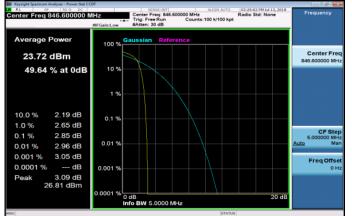


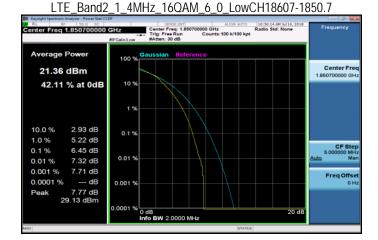
### HSUPA\_B5\_LowCH4132-826.4



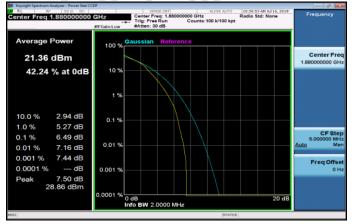


#### HSUPA\_B5\_HighCH4233-846.6





#### LTE\_Band2\_1\_4MHz\_16QAM\_6\_0\_MidCH18900-1880



#### LTE\_Band2\_1\_4MHz\_16QAM\_6\_0\_HighCH19193-1909.3

RL RF 50Ω DC Center Freq 1.909300000	ALIGN AUTO Center Freq: 1.909300000 GHz Trig: Free Run Counts:100 k/100 kpt #FGein:Low #Atten: 30 dB	10:37:26 AM Jul 16, 2018 Radio Std: None Frequency
Average Power	100 % Gaussian Reference	
21.24 dBm		Center Free 1.909300000 GH
41.87 % at 0dB	10 %	
10.0 % 2.91 dB 1.0 % 5.35 dB	0.1 %	
0.1 % 6.50 dB 0.01 % 6.96 dB	0.01 %	CF Ste 5.00000 MH <u>Auto</u> Ma
0.001 % 7.03 dB 0.0001 % dB Peak 7.11 dB	0.001 %	Freq Offse 0 H
28.35 dBm	0.0001 % 0 dB Info BW 2.0000 MHz	20 dB

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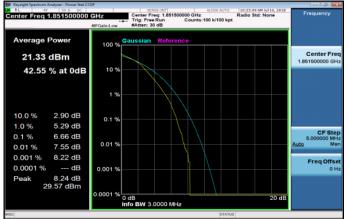
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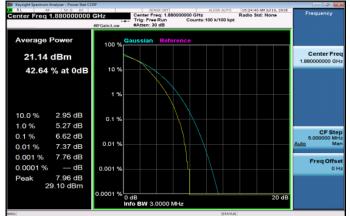
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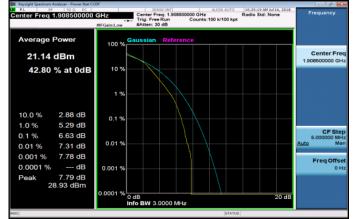
### LTE\_Band2\_3MHz\_16QAM\_15\_0\_LowCH18615-1851.5



#### LTE\_Band2\_3MHz\_16QAM\_15\_0\_MidCH18900-1880



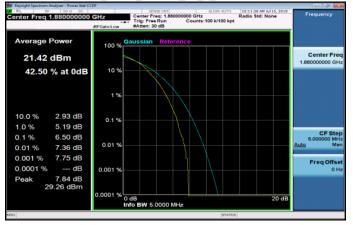
#### LTE\_Band2\_3MHz\_16QAM\_15\_0\_HighCH19185-1908.5



#### SENSE:INT ALIGN AUTO Center Freq: 1.852500000 GHz Trig: Free Run Counts:100 k/100 kg 10:10:30 AM Jul 16, Radio Std: None er Freg 1.852500000 GH Average Pov 100 5 Center Fre 21.39 dBm 42.66 % at 0dB 10 % 1% 10.0 % 2.91 dB 01% 5.18 dB CF Ste 0.1 % 6.61 dB 0.01 % 0.01 % 7.67 dB 0.001 % 7.95 dB Freq Offs 0.0001 % --- dB 0.001 Peak 8.01 dB 29.40 dBm 0001 0 dB Info BW 5.0000 MHz

LTE\_Band2\_5MHz\_16QAM\_25\_0\_LowCH18625-1852.5

#### LTE\_Band2\_5MHz\_16QAM\_25\_0\_MidCH18900-1880



#### LTE\_Band2\_5MHz\_16QAM\_25\_0\_HighCH19175-1907.5

RL RF 50 Ω DC enter Freq 1.907500000	GHZ Center Freq: 1,907500000 GHz Radio Std: Nor Trig: Free Run Counts:100 k/100 kpt #FGain:Low #Atten: 30 dB	
Average Power	100 % Gaussian Reference	
21.10 dBm		Center Free 1.907500000 GH
43.09 % at 0dB	1 %	
10.0 % 2.88 dB 1.0 % 5.14 dB	0.1 %	
0.1 % 6.44 dB 0.01 % 7.14 dB 0.001 % 7.69 dB	0.01 %	CF Ste 5.000000 MH <u>Auto</u> Ma
0.0001 % 7.89 dB 0.0001 % dB Peak 7.77 dB 28.87 dBm	0.001 %	Freq Offse 0 H
28.87 dBm	0.0001 % 0 dB	20 dB

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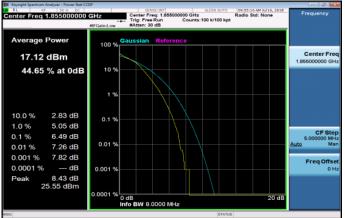
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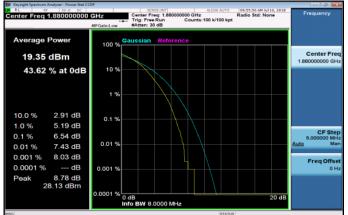
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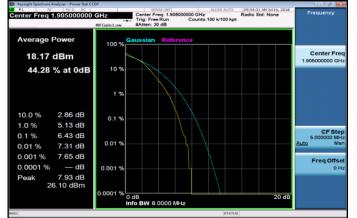
LTE\_Band2\_10MHz\_16QAM\_50\_0\_LowCH18650-1855

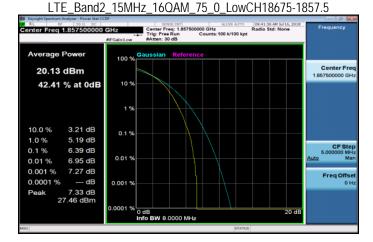


#### LTE\_Band2\_10MHz\_16QAM\_50\_0\_MidCH18900-1880

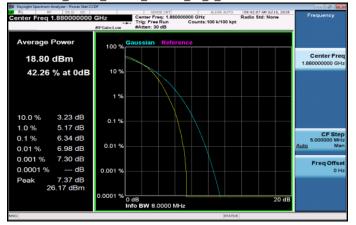


#### LTE\_Band2\_10MHz\_16QAM\_50\_0\_HighCH19150-1905





### LTE\_Band2\_15MHz\_16QAM\_75\_0\_MidCH18900-1880



#### LTE\_Band2\_15MHz\_16QAM\_75\_0\_HighCH19125-1902.5

Average Power	FGain:Low Trig: Free Run #Atten: 30 dB	Counts:100 k/100 kpt	
19.69 dBm	10 %		Center Fre 1.902500000 GH
42.63 % at 0dB	1 %		
10.0 % 3.20 dB 1.0 % 5.15 dB	0.1 %		
0.1 % 6.36 dB 0.01 % 6.85 dB 0.001 % 7.24 dB	0.01 %		CF Ste 5.00000 MH Auto Ma
0.0001 % 7.24 dB 0.0001 % dB Peak 7.28 dB 26.97 dBm	0.001 %		Freq Offs 0 H
26.97 dBm	0.0001 % 0 dB		20 dB

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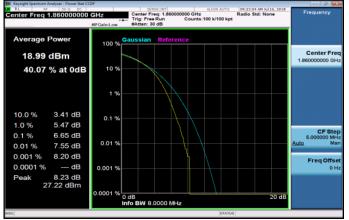
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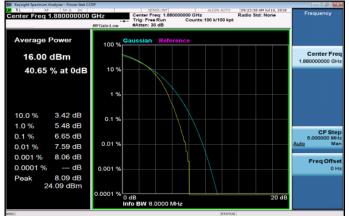
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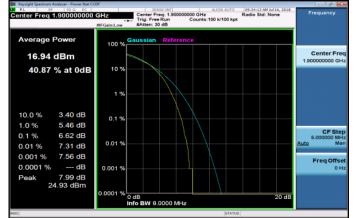
#### LTE\_Band2\_20MHz\_16QAM\_100\_0\_LowCH18700-1860



#### LTE\_Band2\_20MHz\_16QAM\_100\_0\_MidCH18900-1880



#### LTE\_Band2\_20MHz\_16QAM\_100\_0\_HighCH19100-1900



#### SENSE:INT ALIGN AUTO Center Freq: 1.710700000 GHz Trig: Free Run Counts:100 k/100 kg 01:31:50 PM Jul 16, 2 Radio Std; None ter Freq 1.710700000 GHz Average Power 100.9 Center Fre 1.710700000 GH 20.93 dBm 44.05 % at 0dB 10 % 1% 10.0 % 2.80 dB 01% 1.0 % 5.02 dB CF Ste 0.1 % 6.47 dB 0.01 % 0.01 % 7.30 dB 0.001 % 7.50 dB Freq Offs 0.0001 % --- dB 0.001 Peak 7.54 dB 28.47 dBm 0001 0 dB Info BW 2.0000 MHz

LTE\_Band4\_1\_4MHz\_16QAM\_6\_0\_LowCH19957-1710.7

#### LTE\_Band4\_1\_4MHz\_16QAM\_6\_0\_MidCH20175-1732.5



#### LTE\_Band4\_1\_4MHz\_16QAM\_6\_0\_HighCH20393-1754.3

RL RF 50 Ω DC enter Freq 1.754300000		None Frequency
Average Power	100 % Gaussian Reference	
21.39 dBm		Center Free 1.754300000 GH
43.38 % at 0dB	10 %	
10.0 % 2.89 dB 1.0 % 5.01 dB	0.1 %	
0.1 % 6.31 dB 0.01 % 6.92 dB 0.001 % 7.03 dB	0.01 %	CF Ste 5.00000 MH <u>Auto</u> Ma
0.0001 % dB Peak 7.12 dB 28,51 dBm	0.001 %	Freq Offse 0 H
26.51 0611	0.0001 %	20 dB

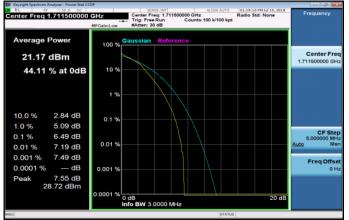
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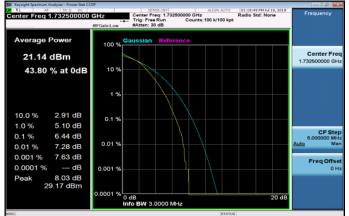
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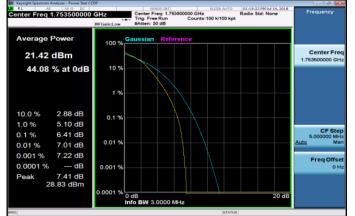
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#### LTE\_Band4\_3MHz\_16QAM\_15\_0\_MidCH20175-1732.5



#### LTE\_Band4\_3MHz\_16QAM\_15\_0\_HighCH20385-1753.5



#### SENSE:INT ALIGN AUTO Center Freq: 1.712500000 GHz Trig: Free Run Counts:100 k/100 kpt 11:30:43 AM Jul 16, Radio Std: None ter Freq 1.712500000 GH Average Powe 100 % Center Fre 1.712500000 GH 21.21 dBm 44.78 % at 0dB 10 % 1% 10.0 % 2.81 dB 01% 1.0 % 4.93 dB CF Ste 0.1 % 6.23 dB 0.01 % 0.01 % 7.02 dB 0.001 % 7.39 dB Freq Offs 0.0001 % ---- dB 0.001 Peak 7.41 dB 28.62 dBm 0001 0 dB Info BW 5.0000 MHz

LTE\_Band4\_5MHz\_16QAM\_25\_0\_LowCH19975-1712.5

#### LTE\_Band4\_5MHz\_16QAM\_25\_0\_MidCH20175-1732.5



#### LTE\_Band4\_5MHz\_16QAM\_25\_0\_HighCH20375-1752.5

enter Freq 1.752500000	GHz #IFGain:Low	SENSE:INT ALION AUTO Center Freq: 1.752500000 GHz Trig: Free Run Counts:100 k/100 kp #Atten: 30 dB	11:31:49 AM Jul 16, 2018 Radio Std: None	Frequency
Average Power	100 %r	Gaussian Reference		
21.57 dBm			1.	Center Fre 752500000 GH
44.11 % at 0dB	10 %			
	1 %			
10.0 % 2.89 dB	0.1 %			
1.0% 4.96 dB 0.1% 6.18 dB 0.01% 7.00 dB	0.01 %		Aut	CF Ste 5.000000 MH
0.001 % 7.32 dB 0.0001 % dB	0.001 %			Freq Offse
	0.001 %			01
Peak 7.53 dB 29.10 dBm				

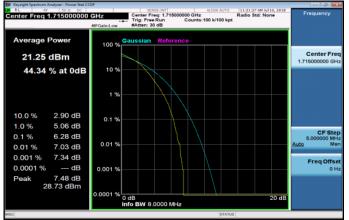
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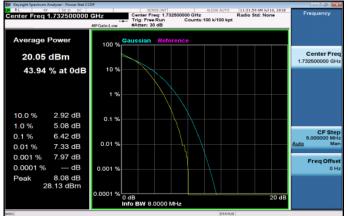
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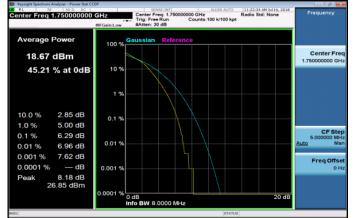
LTE\_Band4\_10MHz\_16QAM\_50\_0\_LowCH20000-1715

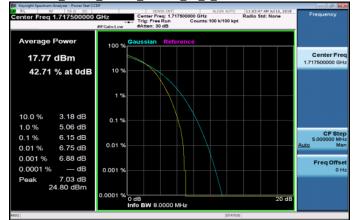


#### LTE\_Band4\_10MHz\_16QAM\_50\_0\_MidCH20175-1732.5



#### LTE\_Band4\_10MHz\_16QAM\_50\_0\_HighCH20350-1750





## LTE\_Band4\_15MHz\_16QAM\_75\_0\_LowCH20025-1717.5

#### LTE\_Band4\_15MHz\_16QAM\_75\_0\_MidCH20175-1732.5



### LTE\_Band4\_15MHz\_16QAM\_75\_0\_HighCH20325-1747.5

RL RF 50 Ω DC enter Freq 1.747500000		i AM Jul 16, 2018 id: None Frequency
Average Power	100 % Gaussian Reference	
17.30 dBm		Center Fre 1.747500000 GH
43.03 % at 0dB	10%	
10.0 % 3.14 dB 1.0 % 5.05 dB	0.1 %	
0.1 % 6.15 dB 0.01 % 6.65 dB 0.001 % 7.27 dB	0.01 %	CF Ste 5.00000 MH <u>Auto</u> Ma
0.0001 % dB Peak 7.30 dB	0.001 %	Freq Offse 0 H
24.60 dBm	0.0001 % 0 dB	20 dB

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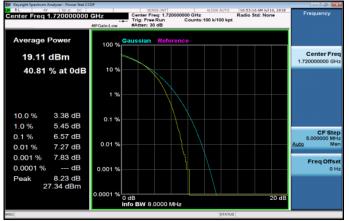
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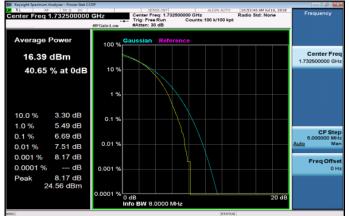
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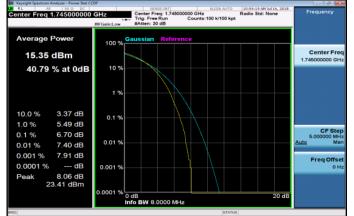
#### LTE\_Band4\_20MHz\_16QAM\_100\_0\_LowCH20050-1720



#### LTE\_Band4\_20MHz\_16QAM\_100\_0\_MidCH20175-1732.5



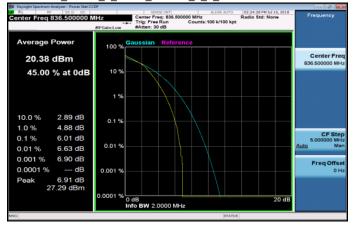
#### LTE\_Band4\_20MHz\_16QAM\_100\_0\_HighCH20300-1745



#### SENSE:INT ALIGN AUTO Center Freq: 824,700000 MHz Trig: Free Run Counts:100 k/100 kg 02:23:25 PH Jul 16, 2018 Radio Std: None er Freq 824.700000 MHz Average Powe 100 % 20.54 dBm Center Fre 824.700000 MH 44.00 % at 0dB 10 % 1% 10.0 % 2.93 dB 01% 1.0 % 4.95 dB CF Ste 0.1 % 5.87 dB 0.01 % 0.01 % 6.12 dB 0.001 % 6.39 dB Freq Offs 0.0001 % --- dB 0.001 Peak 6.44 dB 26.98 dBm 0001 0 i dB fo BW 2.0000 MHz

LTE\_Band5\_1\_4MHz\_16QAM\_6\_0\_LowCH20407-824.7

#### LTE\_Band5\_1\_4MHz\_16QAM\_6\_0\_MidCH20525-836.5



#### LTE\_Band5\_1\_4MHz\_16QAM\_6\_0\_HighCH20643-848.3

RL RF 50Ω DC enter Freq 848.300000 N	Center Freq: 848.300000 MHz Counts:100 k/100 kpt #FGeinsLow #Atten: 30 dB	Radio Std: None Frequency
Average Power	100 % Gaussian Reference	
20.59 dBm		Center Free 848.300000 MH
44.98 % at 0dB	10 %	
	1 %	
10.0 % 2.88 dB 1.0 % 4.84 dB	0.1 %	
0.1 % 5.66 dB 0.01 % 6.09 dB	0.01 %	CF Ste 5.00000 MH
0.001 % 6.18 dB 0.0001 % dB	0.001 %	Freq Offse 0 H
Peak 6.18 dB 26.77 dBm		
	0.0001 % 0 dB	20 dB

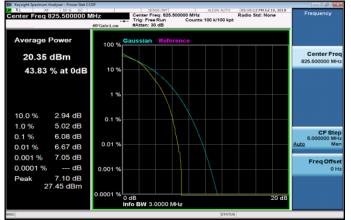
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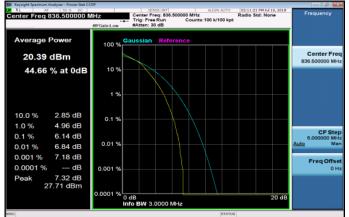
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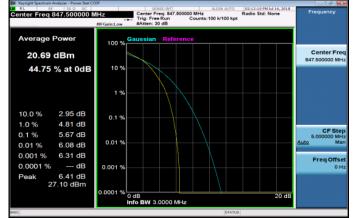
### LTE\_Band5\_3MHz\_16QAM\_15\_0\_LowCH20415-825.5

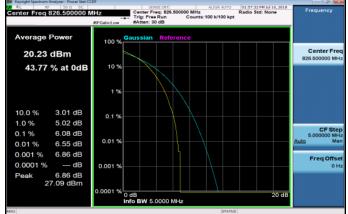


#### LTE\_Band5\_3MHz\_16QAM\_15\_0\_MidCH20525-836.5



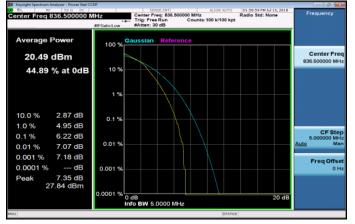
#### LTE\_Band5\_3MHz\_16QAM\_15\_0\_HighCH20635-847.5





# LTE\_Band5\_5MHz\_16QAM\_25\_0\_LowCH20425-826.5

#### LTE\_Band5\_5MHz\_16QAM\_25\_0\_MidCH20525-836.5



#### LTE\_Band5\_5MHz\_16QAM\_25\_0\_HighCH20625-846.5

RL IF 50Ω DC Center Freq 846.500000 M		48 PH 3d 16, 2018 Std: None Frequency
Average Power	100 % Gaussian Reference	
20.63 dBm	10 %	Center Free 846.500000 MH
45.13 % at 0dB	1 %	
10.0 % 2.91 dB 1.0 % 4.63 dB	0.1 %	
0.1 % 5.41 dB 0.01 % 5.78 dB	0.01 %	CF Ste 5.00000 MH <u>Auto</u> Ma
0.001 % 6.00 dB 0.0001 % dB Peak 6.10 dB	0.001 %	Freq Offse 0 H
26.73 dBm	0.0001 % 0 dB Info BW 5.0000 MHz	20 dB

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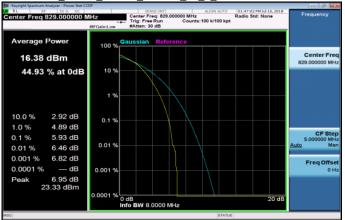
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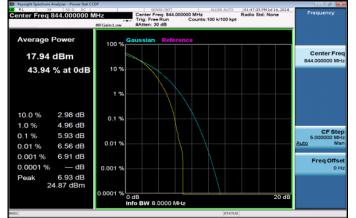
LTE\_Band5\_10MHz\_16QAM\_50\_0\_LowCH20450-829



#### LTE\_Band5\_10MHz\_16QAM\_50\_0\_MidCH20525-836.5



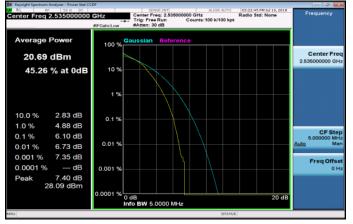
#### LTE\_Band5\_10MHz\_16QAM\_50\_0\_HighCH20600-844



#### SENSE:INT ALIGN AUTO Center Freq: 2.502500000 GHz Trig: Free Run Counts:100 k/100 kg 03:22:02 PH Jul 16, 2018 Radio Std: None er Freq 2.502500000 GH Average Powe 100.1 Center Fre 20.82 dBm 45.91 % at 0dB 10 % 1% 10.0 % 2.80 dB 01% 4.72 dB CF Ste 0.1 % 5.91 dB 6.45 dB 0.01 % 0.01 % 0.001 % 6.77 dB Freq Offs 0.0001 % ---- dB 0.001 Peak 6,86 dB 27.68 dBm 0001 0 dB Info BW 5.0000 MHz

LTE\_Band7\_5MHz\_16QAM\_25\_0\_LowCH20775-2502.5

#### LTE\_Band7\_5MHz\_16QAM\_25\_0\_MidCH21100-2535



### LTE\_Band7\_5MHz\_16QAM\_25\_0\_HighCH21425-2567.5

RL RF 500 DC enter Freq 2.567500000		None Frequency
Average Power	100 % Gaussian Reference	
20.64 dBm		Center Free 2.567500000 GH
45.02 % at 0dB	10 %	
10.0 % 2.84 dB 1.0 % 4.83 dB	0.1 %	CF Ste
0.1 % 6.01 dB 0.01 % 6.64 dB	0.01 %	5.00000 MH <u>Auto</u> Ma
0.001 % 6.85 dB 0.0001 % dB Peak 7.00 dB 27.64 dBm	0.001 %	Freq Offse 0 H
27.04 0011	0.0001 % 0 dB Info BW 5.0000 MHz	20 dB

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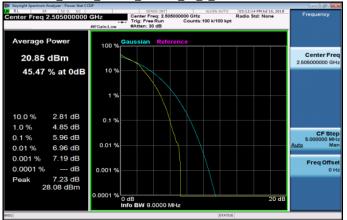
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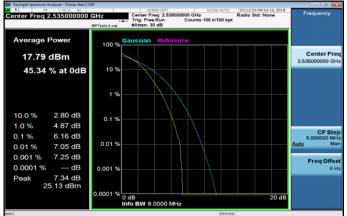
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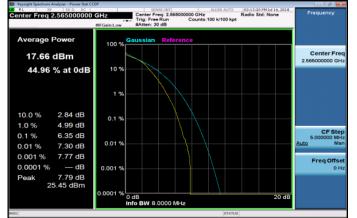
LTE\_Band7\_10MHz\_16QAM\_50\_0\_LowCH20800-2505

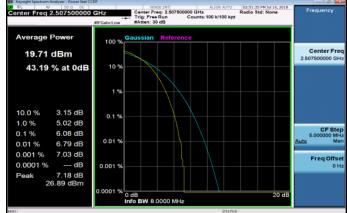


#### LTE\_Band7\_10MHz\_16QAM\_50\_0\_MidCH21100-2535



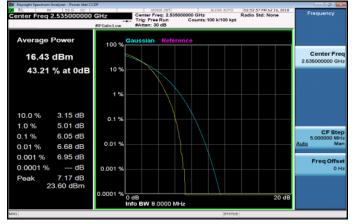
#### LTE\_Band7\_10MHz\_16QAM\_50\_0\_HighCH21400-2565





LTE\_Band7\_15MHz\_16QAM\_75\_0\_LowCH20825-2507.5

#### LTE\_Band7\_15MHz\_16QAM\_75\_0\_MidCH21100-2535



#### LTE\_Band7\_15MHz\_16QAM\_75\_0\_HighCH21375-2562.5

Average Power	Trig: Free Run #Atten: 30 dB 100 % Gaussian Reference	
18.26 dBm		Center Fre 2.562500000 GH
43.17 % at 0dB	1 %	
10.0 % 3.15 dB 1.0 % 5.05 dB	0.1 %	
0.1 % 6.14 dB 0.01 % 6.69 dB 0.001 % 7.13 dB	0.01 %	CF Ste 5.00000 MH Auto Ma
0.0001 % 7.13 dB 0.0001 % dB Peak 7.15 dB 25.41 dBm	0.001 %	Freq Offse 0 H
25.41 UBIII	0.0001 % 0 dB	20 dB

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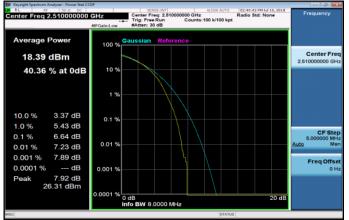
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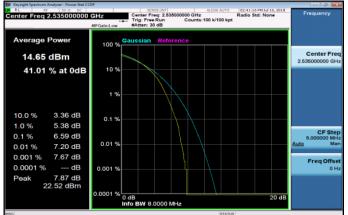
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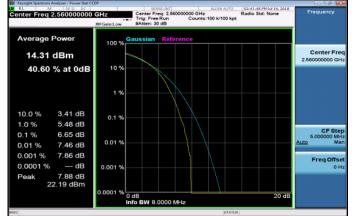
#### LTE\_Band7\_20MHz\_16QAM\_100\_0\_LowCH20850-2510



#### LTE\_Band7\_20MHz\_16QAM\_100\_0\_MidCH21100-2535

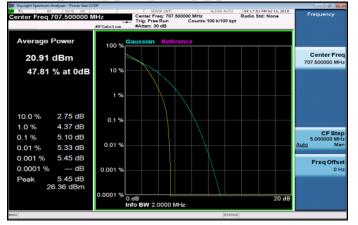


#### LTE\_Band7\_20MHz\_16QAM\_100\_0\_HighCH21350-2560





#### LTE\_Band12\_1\_4MHz\_16QAM\_6\_0\_MidCH23095-707.5



#### LTE\_Band12\_1\_4MHz\_16QAM\_6\_0\_HighCH23173-715.3

RL 10 50 DC Center Freq 715.300000	ALIGN AU SERVEL 715.300000 MHz Center Freq: 715.300000 MHz Trig: Free Run Counts:100 k/100 #FGain:Low #Atten: 30 dB	Radio Std: None Frequency
Average Power	100 % Gaussian Reference	
20.80 dBm		Center Fre 715.300000 MH
46.20 % at 0dB	10 %	
	1 %	
10.0 % 2.86 dB 1.0 % 4.59 dB	0.1 %	
0.1 % 5.42 dB 0.01 % 5.94 dB	0.01 %	CF Ste 5.00000 MH <u>Auto</u> Ma
0.001 % 6.10 dB 0.0001 % dB Peak 6.21 dB	0.001 %	Freq Offse 0 H
27.01 dBm	0.0001 % 0 dB	20.40
	0 dB Info BW 2.0000 MHz	20 dB

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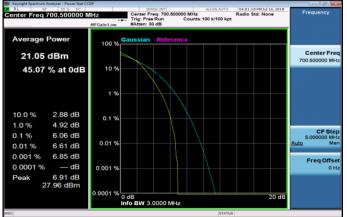
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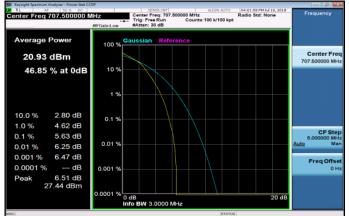
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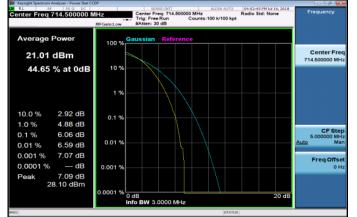
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#### LTE\_Band12\_3MHz\_16QAM\_15\_0\_MidCH23095-707.5

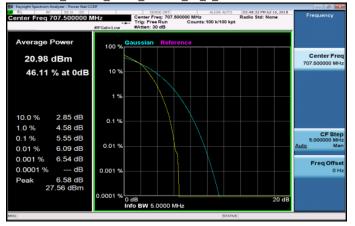


#### LTE\_Band12\_3MHz\_16QAM\_15\_0\_HighCH23165-714.5





#### LTE\_Band12\_5MHz\_16QAM\_25\_0\_MidCH23095-707.5



#### LTE\_Band12\_5MHz\_16QAM\_25\_0\_HighCH23155-713.5

RL RF 500 DC Center Freq 713.500000 M	ALIGN AL Center Freq: 713.500000 MHz Trig: Free Run Counts:100 k/100 #Atten: 30 dB	Radio Std: None Frequency
Average Power	100 % Gaussian Reference	
21.00 dBm		Center Free 713.500000 MH
44.85 % at 0dB	10 %	
	1 %	
10.0 % 2.92 dB 1.0 % 4.76 dB	0.1 %	
0.1 % 5.85 dB 0.01 % 6.49 dB	0.01 %	CF Ste 5.00000 MH <u>Auto</u> Ma
0.001 % 6.72 dB 0.0001 % dB	0.001 %	Freq Offse 0 H
Peak 6.80 dB 27.80 dBm	0.0001 % 0 dB	20 dB
	Info BW 5.0000 MHz	20 08

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