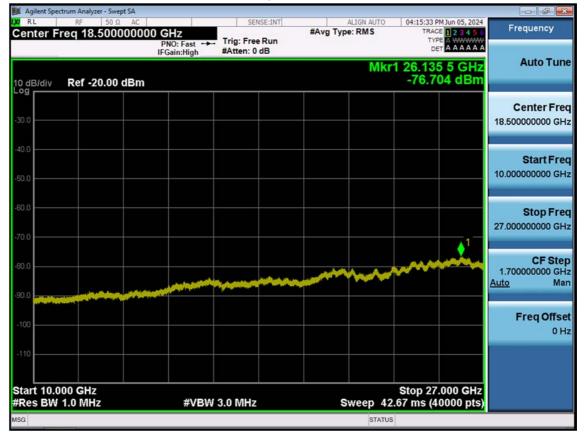




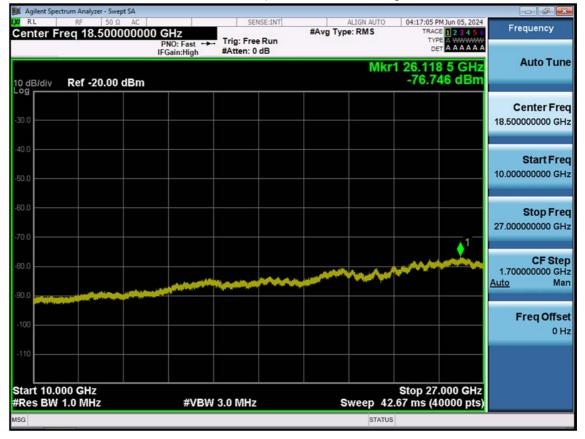
LTE B41_15 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB





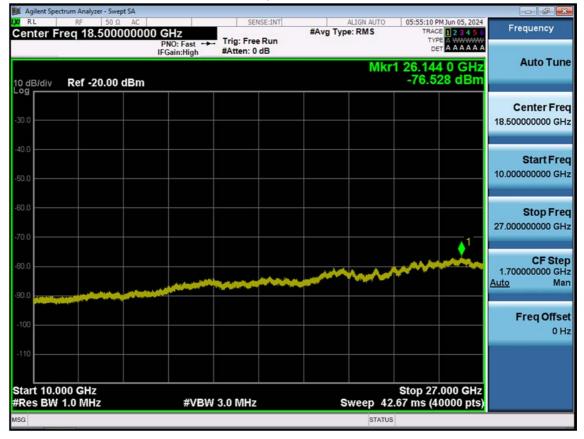
LTE B41_15 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB





LTE B41_15 M_Conducted Spurious(Above10 G)_High_QPSK_1RB





LTE B41_20 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB





LTE B41_20 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB





LTE B41_20 M_Conducted Spurious(Above10 G)_High_QPSK_1RB



	RF 50 Ω A 2.4985000		Ce	SENSE:INT nter Freq: 2.	498500000 GH	ALIGN AUT		1:52 PM Jun 05, 2024 Std: None	Frequency
ASS	2	IFGain:Lo		g: Free Run tten: 20 dB	Avg: 1	100.00% of 2		Device: BTS	
) dB/div	Ref Offset 31. Ref 30.0 dB								
g								Associated and	
0.0 0.0			A)						Center Fre 2.498500000 GH
00									
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0.0	·····	~ ~	(Man				Spectrum	
0.0				MANNA	www.hum	mon	mon	month	
									CF Ste
enter 2.49	9 GHz						ę	Span 20 MHz	2.000000 M Auto M
otal Power	Ref 21.94	4 dBm / 5 M	MHz						
				Lower		Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)		ΔLim(dB)	Freq (Hz)	0
2.500 MHz	3.500 MHz	30.00 kHz	-25.55	(-12.55)	-2.500 M		()	^	
3.500 MHz	8.000 MHz	1.000 MHz	-29.09	(-16.09)	-3.500 M		()	E	
8.000 MHz	10.00 MHz	1.000 MHz	-36.13	(-11.13)	-8.470 M		()		
2.500 MHz	10.00 MHz	68.00 kHz		()		-43.54	(-93.54)	9.966 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		
1						07	ATUS		

LTE B41_5 M_Channel Edge_Lower_Low_QPSK_1RB



	RF 50 Ω A 2.4985000		Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	498500000 GH	ALIGN AU 2 100.00% of 2	Radio	2:22 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
9 g 0.0 0.0			Å					Keisove Limit	Center Fre 2.498500000 GH
00).0).0								Absolute Limit	
3.0 3.0		Marrow	/ III	Martin	A			Spectrum	
0.0				10111144	www.h				CF Ste
enter 2.49	GHz						1	Span 20 MHz	2.000000 Mł Auto Ma
otal Power			MHz	Lower		Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)		∆Lim(dB)	Freq (Hz)	
2.500 MHz	3.500 MHz	30.00 kHz		()		-49.94	(-39.94)	2.845 M	
3.500 MHz 7.500 MHz	7.500 MHz 8.500 MHz	1.000 MHz 1.000 MHz		()		-34.92 -35.66	(-24.92)	4.080 M ≡ 7.560 M	
8.500 MHz	8.500 MHz 10.00 MHz	1.000 MHz		() ()		-35.66	(-22.66) (-8.91)	7.560 M 9.978 M	
2.500 MHz	10.00 MHz	68.00 kHz	-21.46	(-71.46)	-2.500 M	-33.91	(-0.91)	5.570 W	
							. /		

LTE B41_5 M_Channel Edge_Upper_Low_QPSK_1RB



ASS	RF 50Ω A 2.4985000	IFGain:Lo	++ Tr	SENSE:INT nter Freq: 2. ig: Free Run tten: 20 dB	498500000 GH	ALIGN AL 2 100.00% of	Radio 20	0:47 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
g								Assessment and	
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0.0									2.498500000 G
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.0						and a factory	Cri	Spectrum	
.0									
									CF Ste 2.000000 M
enter 2.49	9 GHZ							Span 20 MHz	Auto M
tal Power	Ref 21.9	6 dBm / 51	MHz						
									Freq Offs
			dBm	Lower		Peak ->	Upper		0
Start Frag	Stop Free	Inton DW		$\Delta Lim(dB)$	Freq (Hz)	dBm	∆Lim(dB)	Freq (Hz)	
and the second s	Stop Freq	Integ BW			0 500 11				
2.500 MHz	3.500 MHz	100.0 kHz	-23.30	(-10.30)	-2.500 M		()	Â	
2.500 MHz 3.500 MHz	3.500 MHz 8.000 MHz	100.0 kHz 1.000 MHz	-23.30 -29.43	(-10.30) (-16.43)	-3.523 M		()	11	
Start Freq 2.500 MHz 3.500 MHz 8.000 MHz	3.500 MHz 8.000 MHz 10.00 MHz	100.0 kHz 1.000 MHz 1.000 MHz	-23.30 -29.43 -35.50	(-10.30) (-16.43) (-10.50)	-3.523 M -8.030 M	 24 71	() ()	E	
2.500 MHz 3.500 MHz	3.500 MHz 8.000 MHz	100.0 kHz 1.000 MHz	-23.30 -29.43	(-10.30) (-16.43)	-3.523 M	 -24.71	()	= = 2.500 M	

LTE B41_5 M_Channel Edge_Lower_Low_QPSK_FullRB



	RF 50 Ω A 2.4985000		+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	498500000 GH	ALIGN A 2 00.00% of	Radio 20	1:18 PM Jun 05, 2024 • Std: None • Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE							REDNA 1 MM	
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	www.www.	ANNU AUAUA				_			
enter 2.49	9 GHz							Span 20 MHz	CF Ste 2.000000 MI
otal Power			41.1-						<u>Auto</u> M
Juar Power	KEI 21.9	9 dBm / 5 1	MHz	Lower	۲.	Peak ->	Upper		Freq Offs 0
Start Freq	Stop Freq	Integ BW	dBm	$\Delta Lim(dB)$	Freq (Hz)	dBm	$\Delta Lim(dB)$	Freq (Hz)	
2.500 MHz	3.500 MHz	100.0 kHz		()		-21.94	(-11.94)	2.515 M 🔶	
3.500 MHz	7.500 MHz	1.000 MHz		()		-28.63	(-18.63)	3.500 M =	
7.500 MHz	8.500 MHz	1.000 MHz		()		-33.36	(-20.36)	7.540 M	
8.500 MHz	10.00 MHz	1.000 MHz		()		-34.87	(-9.87)	8.545 M	
2.500 MHz	10.00 MHz	68.00 kHz	-26.60	(-76.60)	-2.500 M		()		
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LTE B41_5 M_Channel Edge_Upper_Low_QPSK_FullRB





10.0	Frequency	::46 PM Jun 05, 2024 Std: None Device: BTS	Radio	LIGN AUT	93000000 GHz Avg: 10	SENSE:INT nter Freq: 2.5 g: Free Run tten: 20 dB	+++ Tri		RF 50 Ω A0 2.5930000	
2.50 2.50		Keistive Linit					_			
Control Absolute Line 000 0	Center Fre 2.593000000 Gi				ለሰለሳለ	ነለሰለላለለለ	ለሰሰለ			0.0
Spectrum Spectrum 00		Absolute Lind								0.0
Image: Non-Start Freq Start Freq Start Freq Start Freq Start Freq Image: Non-Start Start		Spectrum		and the second			4).0
enter 2.593 GHz Span 20 MHz btal Power Ref 24.22 dBm / 5 MHz Start Freq Stop Freq Integ BW dBm △Lim(dB) Freq (Hz) dBm △Lim(dB) Freq (Hz) 2.500 MHz 3.500 MHz 100.0 kHz -19.47 (-9.47) -2.505 M -19.95 (-9.95) 2.500 M 3.500 MHz 7.500 MHz 1.000 MHz -23.36 (-13.36) -3.580 M -23.65 (-13.65) 3.540 M 7.500 MHz 8.500 MHz 1.000 MHz -30.98 (-17.98) -7.510 M -31.09 (-18.09) 7.510 M							111111			0.0
Start Freq Stop Freq Integ BW dBm ∠Lower <-Peak → Upper 2.500 MHz 3.500 MHz 100.0 kHz -19.47 (-9.47) -2.505 M -19.95 (-9.95) 2.500 M - 3.500 MHz 7.500 MHz 1.000 MHz -23.36 (-13.36) -3.580 M -23.65 (-13.65) 3.540 M - 7.500 MHz 8.500 MHz 1.000 MHz -30.98 (-17.98) -7.510 M -31.09 (-18.09) 7.510 M	CF Sto 2.000000 M ito M	pan 20 MHz	S						3 GHz	
Start Freq Stop Freq Integ BW dBm ΔLim(dB) Freq (Hz) dBm ΔLim(dB) Freq (Hz) 2.500 MHz 3.500 MHz 100.0 kHz -19.47 (-9.47) -2.505 M -19.95 (-9.95) 2.500 M 3.500 MHz 7.500 MHz 1.000 MHz -23.36 (-13.36) -3.580 M -23.65 (-13.65) 3.540 M 1 7.500 MHz 8.500 MHz 1.000 MHz -30.98 (-17.98) -7.510 M -31.09 (-18.09) 7.510 M	Freq Offs						MHz	2 dBm / 5 M	Ref 24.22	otal Power
2.500 MHz 3.500 MHz 100.0 kHz -19.47 (-9.47) -2.505 M -19.95 (-9.95) 2.500 M 1 3.500 MHz 7.500 MHz 1.000 MHz -23.36 (-13.36) -3.580 M -23.65 (-13.65) 3.540 M 1 7.500 MHz 8.500 MHz 1.000 MHz -30.98 (-17.98) -7.510 M -31.09 (-18.09) 7.510 M	0	Freg (Hz)					dBm	Integ BW	Stop Freq	Start Freq
3.500 MHz 7.500 MHz 1.000 MHz -23.36 (-13.36) -3.580 M -23.65 (-13.65) 3.540 M 7.500 MHz 8.500 MHz 1.000 MHz -30.98 (-17.98) -7.510 M -31.09 (-18.09) 7.510 M							-19.47			2.500 MHz
7.500 MHz 8.500 MHz 1.000 MHz -30.98 (-17.98) -7.510 M -31.09 (-18.09) 7.510 M -										
		7.510 M						1.000 MHz	8.500 MHz	7.500 MHz
		8.515 M	(-8.50)	3.50	-8.500 M	(-7.65)	-32.65	1.000 MHz	10.00 MHz	8.500 MHz
8.000 MHz 12.50 MHz 1.000 MHz () ()			()			()		1.000 MHz	12.50 MHz	8.000 MHz

LTE B41_5 M_Channel Edge_Mid_QPSK_FullRB



	RF 50 Ω A 2.6875000		Tr	SENSE:INT nter Freq: 2. ig: Free Run tten: 20 dB	687500000 GH	ALIGN AL Z 100.00% of	Radio 20	5:34 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
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enter 2.68	8 GHz						§	Span 20 MHz	2.000000 MH Auto Ma
otal Power	Ref 26.0	0 dBm / 5 №	ИНz	Lower	4	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	$\Delta Lim(dB)$	Freq (Hz)	dBm	∆Lim(dB)	Freq (Hz)	
2.500 MHz	3.500 MHz	30.00 kHz	-47.69	(-37.69)	-2.590 M	-22.52	(-12.52)	2.500 M 🗠	
3.500 MHz	7.500 MHz	1.000 MHz	-31.92	(-21.92)	-6.300 M	-24.43	(-14.43)	3.500 M ≡	
7.500 MHz	8.500 MHz	1.000 MHz	-33.17	(-20.17)	-8.415 M	-34.32	(-21.32)	8.450 M	
	10.00 MHz	1.000 MHz	-31.81	(-6.81)	-9.978 M	-34.22	(-9.22)	8.613 M	
8.500 MHz 8.000 MHz	12.50 MHz	1.000 MHz		()			()		

LTE B41_5 M_Channel Edge_High_QPSK_1RB





	RF 50 Ω A 2.6875000		+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	687500000 GH	ALIGN A	Radio 20	4:44 PM Jun 05, 2024 Std: None Device: BTS	Frequency
) dB/div	Ref Offset 31. Ref 30.0 dB		_						
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.0						-		Spectrum	
0.0		-				_			
.0									CF Ste
enter 2.68	8 GHz							Span 20 MHz	2.000000 Mi Auto Mi
otal Power	Ref 24.63	3 dBm / 5 l	MHz						Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	0
2.500 MHz	3.500 MHz	100.0 kHz	-18.52	(-8.52)	-2.505 M	-20.08	(-10.08)	2.510 M ^	
3.500 MHz	7.500 MHz	1,000 MHz	-20.62	(-10.62)	-3.540 M	-21.80	(-11.80)	3.500 M =	
7.500 MHz	8.500 MHz	1.000 MHz	-31.20	(-18.20)	-7.505 M	-32.60	(-19.60)	7.515 M	
8.500 MHz	10.00 MHz	1.000 MHz	-32.79	(-7.79)	-8.500 M	-34.41	(-9.41)	8.500 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		
3							TATUS		

LTE B41_5 M_Channel Edge_High_QPSK_FullRB



ASS	RF 50 Ω A0 q 2.5010000	-	Tri	SENSE:INT nter Freq: 2.5 g: Free Run tten: 20 dB	501000000 GH	ALIGN AU Iz 100.00% of 2	Radio	7:51 PM Jun 05, 2024 Std: None Device: BTS	Frequency
) dB/div	Ref Offset 31.3 Ref 30.0 dB								
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.0									CF Ste
enter 2.50	1 GHz						ę	Span 40 MHz	4.000000 M Auto M
	Ref 23.20	0 dBm / 10 M	lHz						
otal Power									
otal Power				1.0000		Dealers	Henry		
	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	<- Freq (Hz)	Peak -> dBm	Upper ∆Lim(dB)	Freq (Hz)	
Start Freq 5.000 MHz	Stop Freq 6.000 MHz	Integ BW 30.00 kHz	dBm -37.37					Freq (Hz)	
Start Freq				$\Delta Lim(dB)$	Freq (Hz)		∆Lim(dB)	Freq (Hz)	Freq Offs 0
Start Freq 5.000 MHz 6.000 MHz 10.50 MHz	6.000 MHz 10.50 MHz 20.00 MHz	30.00 kHz 1.000 MHz 1.000 MHz	-37.37	∆Lim(dB) (-24.37)	Freq (Hz) -5.000 M	dBm 	ΔLim(dB) () ()		
Start Freq 5.000 MHz 6.000 MHz	6.000 MHz 10.50 MHz	30.00 kHz 1.000 MHz	-37.37 -33.33	∆Lim(dB) (-24.37) (-20.33)	Freq (Hz) -5.000 M -8.610 M	dBm 	ΔLim(dB) () ()	Freq (Hz)	

LTE B41_10 M_Channel Edge_Lower_Low_QPSK_1RB



enter Fre	RF 50 Ω A q 2.5010000		+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	501000000 GH	ALIGN AU Z 100.00% of 2	Radio 20	8:21 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
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.0		ment hume	IIIÿv						05.01
enter 2.50	01 GHz						;	Span 40 MHz	CF Ste 4.000000 Mi <u>Auto</u> Mi
otal Powe	r Ref 22.2	3 dBm / 10 l	MHz	Lower	<-	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	∆Lim(dB)	Freq (Hz)	
5.000 MHz	6.000 MHz	30.00 kHz		()		-51.31	(-41.31)	5.640 M _	
6.000 MHz	10.00 MHz	1.000 MHz		()		-35.04	(-25.04)	7.520 M =	
10.00 MHz 15.00 MHz	15.00 MHz 20.00 MHz	1.000 MHz 1.000 MHz		() ()		-36.39 -37.79	(-23.39) (-12.79)	10.35 M 15.05 M	
5.000 MHz	20.00 MHz 20.00 MHz	150.0 kHz	-29.91	() (-79.91)	-5.000 M	-31.19	(-12.79) ()	15.05 M	
							. ,	-	

LTE B41_10 M_Channel Edge_Upper_Low_QPSK_1RB



RL	Analyzer - Spectrum RF 50 Ω A	C	_	SENSE:INT		ALIGN AL		6:45 PM Jun 05, 2024	Frequency
enter Fred	2.5010000	IFGain:Lo	Tri	nter Freq: 2. g: Free Run tten: 20 dB	501000000 GH Avg: 1	z 100.00% of :	20	Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
g								Associe Lini	
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									CF Ste
enter 2.50	I GHz						ş	Span 40 MHz	4.000000 M Auto M
									Auto M
otal Power	Ref 22.0	0 dBm / 10 l	MHz						
									Freq Offs
Start Freg	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	0
5.000 MHz	6.000 MHz	200.0 kHz	-27.50	(-14.50)	-5.020 M	ubili	ΔLIM(GD) ()		
6.000 MHz	10.50 MHz	1.000 MHz	-30.43	(-14.50)	-6.000 M		()		
10.50 MHz	20.00 MHz	1.000 MHz	-34.83	(-9.83)	-10.69 M		()		
5.000 MHz	20.00 MHz	150.0 kHz		()		-27.81	(-77.81)	5.000 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		
						100	TATUS		

LTE B41_10 M_Channel Edge_Lower_Low_QPSK_FullRB



enter Fred	RF 50 Ω A			SENSE:INT nter Freq: 2. ig: Free Run	501000000 GH	ALIGN AUT 2 00.00% of 20	Radio	7:17 PM Jun 05, 2024 Std: None	Frequency
ASS		IFGain:Lo	w #A	tten: 20 dB	1000			Device: BTS	
dB/div	Ref Offset 31.3 Ref 30.0 dB								
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).0									Center Fr
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								Absolute Limit	
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0.0			АШ					Spectrum	
0.0			/		· · · · ·				
0.0									
1.0									CF St
enter 2.50								Span 40 MHz	4.000000 M
enter 2.50	I GHZ							Span 40 Minz	Auto M
									1991 - 1991
otal Power	Ref 22.07	7 dBm / 10 l	MHz						-
									Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freq (Hz)	^{Peak} -> dBm ∠	Upper Lim(dB)	Freq (Hz)	0
5.000 MHz	6.000 MHz	200.0 kHz		()		-25.30	(-15.30)	5.000 M	
6.000 MHz	10.00 MHz	1.000 MHz		()		-25.30	(-15.30)	6.020 M =	
10.00 MHz	15.00 MHz	1.000 MHz		()		-32.64	(-19.64)	12.95 M	
15.00 MHz	20.00 MHz	1.000 MHz		()		-35.69	(-10.69)	15.03 M	
5.000 MHz	20.00 MHz	150.0 kHz	-29.20	(-79.20)	-5.000 M		()		

LTE B41_10 M_Channel Edge_Upper_Low_QPSK_FullRB





116	RF 50 Ω A 2.5930000	-	++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	593000000 GH	ALIGN AU z 100.00% of :	Radio 20	9:29 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dB							readivitive 1 milli	
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1.0 1.0			ДШ				niteiseminteise _{ten}	Absolute Limit	
1.0 1.0									
									CF Ste 4.000000 MI
enter 2.59								Span 40 MHz	<u>Auto</u> Ma
otal Power	Ref 24.2	7 dBm / 10 l	MHz	Lower		Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	∆Lim(dB)	Freq (Hz)	
5.000 MHz	6.000 MHz	200.0 kHz	-23.75	(-13.75)	-5.000 M	-24.23	(-14.23)	5.020 M _	
6.000 MHz	10.00 MHz	1.000 MHz	-24.34	(-14.34)	-6.020 M	-24.65	(-14.65)	6.020 M ≡	
10.00 MHz	15.00 MHz	1.000 MHz	-28.21	(-15.21)	-10.23 M	-28.38	(-15.38)	10.05 M	
15.00 MHz	20.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-33.86	(-8.86) ()	-15.00 M	-34.47	(-9.47) ()	15.03 M	
8.000 MHz							()		

LTE B41_10 M_Channel Edge_Mid_QPSK_FullRB



	RF 50 Ω A			SENSE:INT		ALIGN AUT		1:44 PM Jun 05, 2024	Frequency
enter Fred ASS	2.6850000	00 GHz IFGain:Lo	Tr	ig: Free Run tten: 20 dB	685000000 GH Avg: 1	z 100.00% of 2	0	Std: None Device: BTS	Frequency
dB/div	Ref Offset 31.3 Ref 30.0 dB								
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.0									CF St
enter 2.68									4.000000 M
enter 2.08	o GHZ							Span 40 MHz	Auto N
otal Power	Ref 25.56	6 dBm / 10 l	MHz						
									Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	<re>Freq (Hz)</re>	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	0
5.000 MHz	6.000 MHz	30.00 kHz				-32.41			
6.000 MHz	10.00 MHz	30.00 KHZ 1.000 MHz	-47.43 -31.62	(-37.43) (-21.62)	-5.175 M -8.040 M	-32.41 -28.77	(-22.41) (-18.77)	5.010 M 6.000 M =	
10.00 MHz	15.00 MHz	1.000 MHz	-31.62	(-21.62)	-0.040 M	-28.77	(-18.77) (-21.30)	10.25 M	
15.00 MHz	20.00 MHz	1.000 MHz	-35.49	(-20.49)	-15.05 M	-36.98	(-21.30)	15.00 M	
	12.50 MHz	1.000 MHz	-33.37	()			()	10.00 111	
8.000 MHz									

LTE B41_10 M_Channel Edge_High_QPSK_1RB





	RF 50 Ω A 2.6850000		+++ Tri	SENSE:INT nter Freq: 2. ig: Free Run tten: 20 dB	685000000 GH	ALIGN A 2 100.00% of	Radio 20	0:52 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31.3 Ref 30.0 dB							Keiskive Limit	
).0).0).0			hrm	1447714777	11111				Center Fre 2.685000000 G
00								-	
).0		****	/					Absolute Limit	
).0									
enter 2.68	5 GHz							Span 40 MHz	CF Ste 4.000000 Mi Auto Mi
otal Power	Ref 24.72	2 dBm / 10 M	MHz						Freq Offs
Clark From	Ctop From	Integ DW	dDee	Lower		Peak ->	Upper (dP)		01
Start Freq 5.000 MHz	Stop Freq 6.000 MHz	Integ BW 200.0 kHz	dBm -22.59	ΔLim(dB) (-12.59)	Freq (Hz) -5.000 M	dBm -23,54	ΔLim(dB) (-13.54)	Freq (Hz) 5.015 M	
6.000 MHz	10.00 MHz	1.000 MHz	-22.59	(-12.59)	-5.000 M -6.000 M	-23.54	(-13.54) (-14.12)	6.040 M =	
10.00 MHz	15.00 MHz	1.000 MHz	-26.45	(-12.94)	-10.00 M	-24.12	(-14.12)	10.05 M	
15.00 MHz	20.00 MHz	1.000 MHz	-33.77	(-8.77)	-15.05 M	-35.27	(-10.27)	15.03 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		
						s			

LTE B41_10 M_Channel Edge_High_QPSK_FullRB



ASS	RF 50Ω A q 2.5035000		+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	503500000 GH	ALIGN AU Iz 100.00% of 2	Radio	5:31 PM Jun 05, 2024 Std: None Device: BTS	Frequency
) dB/div	Ref Offset 31. Ref 30.0 dB								
pg								ASSESSMENT IN	
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			1	ang para	orowe and	mann	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Spectrum	
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1.0									05.04
enter 2.50	4 GHz						ę	Span 60 MHz	CF Ste 6.000000 Mi <u>Auto</u> Mi
otal Power	r Ref 20.4	4 dBm / 15 l	MHz						Freq Offs
Juli Powel				Lower		Peak ->	Upper		0
	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)		$\Delta Lim(dB)$	Freq (Hz)	
Start Freq 7.500 MHz	Stop Freq 8.500 MHz	Integ BW 30.00 kHz	dBm -34.22		Freq (Hz) -7.500 M		∆Lim(dB) ()	Freq (Hz)	
Start Freq 7.500 MHz 8.500 MHz	8.500 MHz 13.00 MHz	30.00 kHz 1.000 MHz	-34.22 -33.20	ΔLim(dB) (-21.22) (-20.20)	-7.500 M -8.500 M		() ()	Freq (Hz)	
Start Freq 7.500 MHz 8.500 MHz 13.00 MHz	8.500 MHz 13.00 MHz 30.00 MHz	30.00 kHz 1.000 MHz 1.000 MHz	-34.22	ΔLim(dB) (-21.22) (-20.20) (-10.35)	-7.500 M	dBm 	() () ()		
Start Freq 7.500 MHz 8.500 MHz	8.500 MHz 13.00 MHz	30.00 kHz 1.000 MHz	-34.22 -33.20	ΔLim(dB) (-21.22) (-20.20)	-7.500 M -8.500 M	dBm 	() ()	Freq (Hz)	

LTE B41_15 M_Channel Edge_Lower_Low_QPSK_1RB



enter Fred ASS	RF 50 Ω A 2.5035000	-	++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	503500000 GH	ALIGN A	Radio 20	6:00 PM Jun 05, 2024 Std: None Device: BTS	Frequency
) dB/div	Ref Offset 31. Ref 30.0 dE								
og 0.0 0.0			٨					Kelative Limit	Center Fre 2.503500000 GH
.00									
0.0								Absolute Linit	
0.0			, ł ₩	mhm	www.F			Spectrum	
0.0									CF Ste
enter 2.50	4 GHz						2	Span 60 MHz	6.000000 Mi Auto Ma
otal Power			MHz	Lower		Peak ->	Upper		Freq Offs 01
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	ΔLim(dB)	Freq (Hz)	
7.500 MHz 8.500 MHz	8.500 MHz 12.50 MHz	30.00 kHz 1,000 MHz		() ()		-51.51 -35.17	(-41.51) (-25.17)	8.150 M 🔶 12.18 M 🔳	
12.50 MHz	22.50 MHz	1.000 MHz		()		-35.17	(-25.17)	12.55 M	
22.50 MHz 7.500 MHz	30.00 MHz 30.00 MHz	1.000 MHz 220.0 kHz	-24.27	() (-74.27)	 -7.500 M	-37.98	(-12.98) ()	23.03 M	
							TATUS		

LTE B41_15 M_Channel Edge_Upper_Low_QPSK_1RB



	RF 50 Ω A 2.5035000	-	+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	503500000 GH	ALIGN AL z 100.00% of	Radio 20	4:26 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31.3 Ref 30.0 dB								
g								Accessible Intern	
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.0			0005	000000000000000000000000000000000000000	ነሰበብለ				2.503500000 GH
08 80			<u></u> ()		UINNIU				
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			000000				minnen	Spectrum	
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.0									
									CF Ste
enter 2.504	4 GHz							Span 60 MHz	6.000000 Mi Auto Mi
otal Power	Ref 21.03	3 dBm / 15 l	MHz						
									Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	01
7.500 MHz	8,500 MHz	300.0 kHz	-30.40	(-17.40)	-7.500 M	abin	()	ricq (12)	
8.500 MHz	13.00 MHz	1.000 MHz	-30.40	(-17.40)	-7.500 M		()		
13.00 MHz	30.00 MHz	1.000 MHz	-36.39	(-11.39)	-13.26 M		()		
7.500 MHz	30.00 MHz	220.0 kHz	-00.00	()	-10.20 111	-30.92	(-80.92)	7.500 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		
								-	

LTE B41_15 M_Channel Edge_Lower_Low_QPSK_FullRB



	RF 50 Ω A 2.5035000		Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	503500000 GH	ALIGN AU Z 100.00% of	Radio 20	4:56 PM Jun 05, 2024 Std: None Device: BTS	Frequency
) dB/div	Ref Offset 31. Ref 30.0 dB								
og 0.0 0.0				000000	0.0000.				Center Fre 2.503500000 GH
.00			,],],],],],],],],],],],],],					7	
0.0)					Absolute Limit	
0.0			~						
enter 2.50	4 GHz							Span 60 MHz	CF Ste 6.000000 MI
otal Power	Ref 20.99	9 dBm / 15 M	MHz		122.01				Auto M Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	<- Freq (Hz)	Peak -> dBm	Upper ∆Lim(dB)	Freq (Hz)	0
7.500 MHz	8.500 MHz	300.0 kHz		()		-28.89	(-18.89)	7.500 M	
8.500 MHz	12.50 MHz	1.000 MHz		()		-31.48	(-21.48)	8.500 M =	
12.50 MHz	22.50 MHz	1.000 MHz		()		-34.32	(-21.32)	12.65 M	
22.50 MHz 7.500 MHz	30.00 MHz 30.00 MHz	1.000 MHz 220.0 kHz	-32.50	() (-82.50)	-7.500 M	-37.27	(-12.27) ()	22.73 M	
							· · /		

LTE B41_15 M_Channel Edge_Upper_Low_QPSK_FullRB





	RF 50 Ω A 2.5930000		+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	593000000 GH	ALIGN AU z 100.00% of :	Radio 20	8:04 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
9 9 0.0 0.0			ለበበዚ	ሰበበለሰበበለ	106876				Center Fre 2.593000000 GH
00			NYYYY	<u>AAAAAAAA</u>	YYYYY			_	
).0).0			11				*****	Absolute Limit	
).0).0									
enter 2.59	3 GH7							Span 60 MHz	CF Ste 6.000000 MI
otal Power		9 dBm / 15 l	MHz						<u>Auto</u> M
JiarFower	KCI 24.2		MITIZ	Lower		Peak ->	Upper		Freq Offs 0
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	$\Delta Lim(dB)$	Freq (Hz)	
7.500 MHz	8.500 MHz	300.0 kHz	-25.91	(-15.91)	-7.520 M	-25.10	(-15.10)	7.510 M 🔶	
8.500 MHz	12.50 MHz	1.000 MHz	-26.65	(-16.65)	-8.520 M	-27.44	(-17.44)	8.500 M ≡	
12.50 MHz	22.50 MHz	1.000 MHz	-29.24	(-16.24)	-12.55 M	-29.34	(-16.34)	12.60 M	
	30.00 MHz	1.000 MHz	-34.81	(-9.81)	-22.61 M	-35.89	(-10.89)	22.65 M	
22.50 MHz 8.000 MHz	12.50 MHz	1.000 MHz		()			()		

LTE B41_15 M_Channel Edge_Mid_QPSK_FullRB





enter Fred	RF 50 Ω AC 2.6825000		+++ Tri	SENSE:INT nter Freq: 2. ig: Free Run tten: 20 dB	682500000 GH	ALIGN AU 2 100.00% of 2	Radio	0:31 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31.3 Ref 30.0 dB								
9 0.0 0.0									Center Fre 2.682500000 GH
08 1.0								7	
.0			Mar	man				Absolute Limit	
.0									
enter 2.68	3 GHz							Span 60 MHz	CF Sto 6.000000 M <u>Auto</u> M
otal Power	Ref 25.90) dBm / 15 M	ИНz	Lower	<-	Peak ->	Upper		Freq Offs 0
Start Freq	Stop Freq	Integ BW	dBm	$\Delta Lim(dB)$	Freq (Hz)		∆Lim(dB)	Freq (Hz)	
7.500 MHz	8.500 MHz	30.00 kHz	-48.74	(-38.74)	-7.760 M	-28.62	(-18.62)	7.500 M 🔶	
8.500 MHz	12.50 MHz	1.000 MHz	-32.10	(-22.10)	-11.68 M	-28.77	(-18.77)	8.560 M ≡	
12.50 MHz	22.50 MHz	1.000 MHz	-32.98	(-19.98)	-12.50 M	-32.44	(-19.44)	13.25 M	
	30.00 MHz	1.000 MHz	-36.57	(-11.57)	-22.54 M	-37.31	(-12.31)	22.76 M	
22.50 MHz 8.000 MHz	12.50 MHz	1.000 MHz		()			()		

LTE B41_15 M_Channel Edge_High_QPSK_1RB





enter Fred	RF 50Ω A q 2.6825000		+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	682500000 GH	ALIGN A Iz 100.00% of	Radio 20	9:39 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
).0 			AAAAA	กุลกุลกุล	11111				Center Fre 2.682500000 GF
00				AAA UNAA M		_			
).0).0			2				MUMMAN MANAGAM	Absolute Limit	
).0).0									
).0									CF Ste
enter 2.68	3 GHz							Span 60 MHz	6.000000 Mi <u>Auto</u> M
otal Power	Ref 24.73	3 dBm / 15 I	MHz	Lower	<-	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	$\Delta Lim(dB)$	Freq (Hz)	dBm	∆Lim(dB)	Freq (Hz)	
7.500 MHz	8.500 MHz	300.0 kHz	-24.40	(-14.40)	-7.510 M	-25.93	(-15.93)	7.535 M 🔶	
8.500 MHz	12.50 MHz	1.000 MHz	-25.16	(-15.16)	-8.500 M	-25.91	(-15.91)	8.500 M ≡	
	22.50 MHz	1.000 MHz	-27.73	(-14.73)	-12.85 M	-28.51	(-15.51)	12.50 M	
		1.000 MHz	-34.66	(-9.66)	-22.76 M	-36.24	(-11.24)	22.50 M	
12.50 MHz 22.50 MHz 8.000 MHz	30.00 MHz 12.50 MHz	1.000 MHz		()			()		

LTE B41_15 M_Channel Edge_High_QPSK_FullRB



	RF 50 Ω A 2.5060000	-	++ Tr	SENSE:INT nter Freq: 2. ig: Free Run tten: 20 dB	506000000 GH	ALIGN AU Z 100.00% of 2	Radio 20	3:28 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
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.0									
enter 2.50	6 GHz						ę	Span 80 MHz	CF Ste 8.000000 Mi <u>Auto</u> M
otal Power	Ref 19.3	2 dBm / 20 l	MHz						Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	0
10.00 MHz	11.00 MHz	30.00 kHz	-44.92	(-31.92)	-10.36 M		()	^	
11.00 MHz	15.50 MHz	1.000 MHz	-34.45	(-21.45)	-11.07 M		()	E	
15.50 MHz	40.00 MHz	1.000 MHz	-36.10	(-11.10)	-17.71 M		()		
10.00 MHz	40.00 MHz	270.0 kHz		()		-41.16	(-91.16)	21.76 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		
							TATUS		

LTE B41_20 M_Channel Edge_Lower_Low_QPSK_1RB



enter Free ASS	RF 50Ω A q 2.5060000		++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	506000000 GH	ALIGN AL 2 00.00% of 2	Radio 20	3:59 PM Jun 05, 2024 Std: None Device: BTS	Frequency
) dB/div	Ref Offset 31. Ref 30.0 dE								
o.0			A					Relative Limit	Center Fre
0.0									2.506000000 GH
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0.0								_	
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0.0					- 4				
.0									CF Ste
enter 2.50	6 GHz	I						Span 80 MHz	8.000000 Mi Auto Ma
otal Power	Ref 22.4	2 dBm / 20 l	MHz						Eren Offe
				Lower	<-	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	$\Delta Lim(dB)$	Freq (Hz)	
10.00 MHz	11.00 MHz	30.00 kHz		()		-49.31	(-39.31)	10.32 M 🔶	
11.00 MHz	15.00 MHz	1.000 MHz		()		-36.35	(-26.35)	14.04 M 🗉	
15.00 MHz	30.00 MHz	1.000 MHz		()		-36.68	(-23.68)	15.15 M	
30.00 MHz	40.00 MHz	1.000 MHz		()		-37.86	(-12.86)	30.00 M	
10.00 MHz	40.00 MHz	270.0 kHz	-33.42	(-83.42)	-10.00 M		()		
3						0	TATUS		

LTE B41_20 M_Channel Edge_Upper_Low_QPSK_1RB



	RF 50 Ω A 2.5060000	-	Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	506000000 GH	ALIGN AL z 100.00% of	Radio 20	2:23 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
g								Assessment the lateral	
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									CF Ste
enter 2.50	6 GHz							Span 80 MHz	8.000000 MI Auto M
									Auto
otal Power	Ref 21.0	9 dBm / 20 l	MHz						
									Freq Offs
	01		10	Lower		Peak ->	Upper	F	0
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	ΔLim(dB)	Freq (Hz)	
10.00 MHz	11.00 MHz	430.0 kHz	-33.24	(-20.24)	-10.01 M		()		
11.00 MHz 15.50 MHz	15.50 MHz	1.000 MHz 1.000 MHz	-34.86	(-21.86)	-11.00 M		()	E	
15.50 MHz 10.00 MHz	40.00 MHz 40.00 MHz	270.0 kHz	-36.79	(-11.79) ()	-15.87 M	-33.89	() (-83.89)	10.00 M	
8.000 MHz	40.00 MHz 12.50 MHz	1.000 MHz		()		-33.09	(-03.09) ()	10.00 W	
							()		

LTE B41_20 M_Channel Edge_Lower_Low_QPSK_FullRB



	RF 50 Ω A 2.5060000		+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	506000000 GH	ALIGN A 2 100.00% of	Radio 20	2:54 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
99 0.0 0.0								Kelative Limit	Center Fre 2.506000000 GH
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).0).0								Absolute Limit	
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).0).0									CE Ot
enter 2.50	6 GHz						{	Span 80 MHz	CF Ste 8.000000 MH Auto Ma
otal Power	Ref 21.0	8 dBm / 20 M	MHz	Lower	4-	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	∆Lim(dB)	Freq (Hz)	
10.00 MHz	11.00 MHz	430.0 kHz		()		-31.61	(-21.61)	10.01 M 🔶	
11.00 MHz	15.00 MHz	1.000 MHz		()		-33.20	(-23.20)	11.08 M =	
15.00 MHz 30.00 MHz	30.00 MHz	1.000 MHz		()		-34.86	(-21.86)	15.15 M	
30.00 MHz 10.00 MHz	40.00 MHz 40.00 MHz	1.000 MHz 270.0 kHz	-33.69	() (-83.69)	-10.00 M	-37.15	(-12.15) ()	30.25 M	
				1001001			()		

LTE B41_20 M_Channel Edge_Upper_Low_QPSK_FullRB





	RF 50 Ω A 2.5930000	-	+++ Tri	SENSE:INT nter Freq: 2. g: Free Run tten: 20 dB	593000000 GH	ALIGN A z 100.00% of	Radio 20	5:19 PM Jun 05, 2024 Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dE								
1.0 1.0			MAN	เกิงกุญภูมิก	กกกกก				Center Fre 2.593000000 GF
00 1.0			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K K K K K K K K K K K K K K K K K K K					
).0 .0			2					Absolute Limit	
.0								Spectrum	
.0									CF Ste
enter 2.59	3 GHz						2	Span 80 MHz	8.000000 MI Auto Ma
otal Power	Ref 24.3	7 dBm / 20 I	MHz	Lower	ç.	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	∆Lim(dB)	Freq (Hz)	01
10.00 MHz	11.00 MHz	430.0 kHz	-27.55	(-17.55)	-10.02 M	-27.96	(-17.96)	10.00 M 🗠	
11.00 MHz	15.00 MHz	1.000 MHz	-27.66	(-17.66)	-11.16 M	-28.21	(-18.21)	11.08 M ≡	
15.00 MHz	30.00 MHz	1.000 MHz	-29.59	(-16.59)	-15.00 M	-30.12	(-17.12)	15.23 M	
30.00 MHz	40.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-34.82	(-9.82) ()	-30.05 M	-36.33	(-11.33)	30.05 M	
8.000 MHz									

LTE B41_20 M_Channel Edge_Mid_QPSK_FullRB





	RF 50 Ω A 2.6800000		+++ Tr	sense:INT enter Freq: 2. ig: Free Run tten: 20 dB	680000000 GH	ALIGN AU 2 100.00% of 2	Radio 0	Std: None Device: BTS	Frequency
dB/div	Ref Offset 31. Ref 30.0 dB		_						
99 0.0 0.0								Keisove Limb	Center Fre 2.680000000 GF
08 1.0						-			
).0).0			7 pm	Archar	un []			Absolute Limit	
).0).0					۲ 				
enter 2.68	GHz						<u>ب</u>	Span 80 MHz	CF Ste 8.000000 MH <u>Auto</u> Ma
otal Power	Ref 26.3	7 dBm / 20 l	MHz	Lower	4	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)		∆Lim(dB)	Freq (Hz)	
10.00 MHz	11.00 MHz	30.00 kHz	-45.37	(-35.37)	-10.27 M	-39.78	(-29.78)	10.01 M 🔶	
11.00 MHz	15.00 MHz	1.000 MHz	-33.82	(-23.82)	-11.00 M	-30.84	(-20.84)	11.00 M =	
15.00 MHz	30.00 MHz	1.000 MHz	-33.78	(-20.78)	-26.55 M	-33.12	(-20.12)	17.85 M	
30.00 MHz	40.00 MHz	1.000 MHz 1.000 MHz	-36.47	(-11.47) ()	-30.20 M	-37.40	(-12.40) ()	30.25 M	
8.000 MHz	12.50 MHz								

LTE B41_20 M_Channel Edge_High_QPSK_1RB





enter Fred	RF 50Ω A 2.6800000	-	+++ Tri	sense:INT inter Freq: 2. ig: Free Run itten: 20 dB	68000000 GH	ALIGN A	Radio 20	6:18 PM Jun 05, 2024 Std: None Device: BTS	Frequency
) dB/div	Ref Offset 31. Ref 30.0 dE		_						
o.0 0.0 0.0			MAA	MAMAAA	แกกล			Keistive Limit	Center Fre 2.680000000 GF
00 0.0						-			
).0).0).0			74		<u></u>			Absolute Limit Spectrum	
).0).0									05.04
enter 2.68	GHz							Span 80 MHz	CF Ste 8.000000 Mi <u>Auto</u> M
otal Power	Ref 24.9	2 dBm / 20 M	MHz	Lower	<-	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	$\Delta Lim(dB)$	Freq (Hz)	
10.00 MHz	11.00 MHz	430.0 kHz	-26.11	(-16.11)	-10.02 M	-26.86	(-16.86)	10.01 M 🔶	
11.00 MHz	15.00 MHz	1.000 MHz	-24.84	(-14.84)	-11.04 M	-25.93	(-15.93)	11.00 M ≡	
15.00 MHz	30.00 MHz	1.000 MHz	-26.94	(-13.94)	-15.08 M	-28.24	(-15.24)	15.15 M	
30.00 MHz	40.00 MHz	1.000 MHz	-35.31	(-10.31)	-30.10 M	-36.63	(-11.63) ()	30.00 M	
8.000 MHz	12.50 MHz	1.000 MHz							

LTE B41_20 M_Channel Edge_High_QPSK_FullRB



Report No. HCT-RF-2407-FC017

11. TEST PLOTS(Sub 5 Ant)



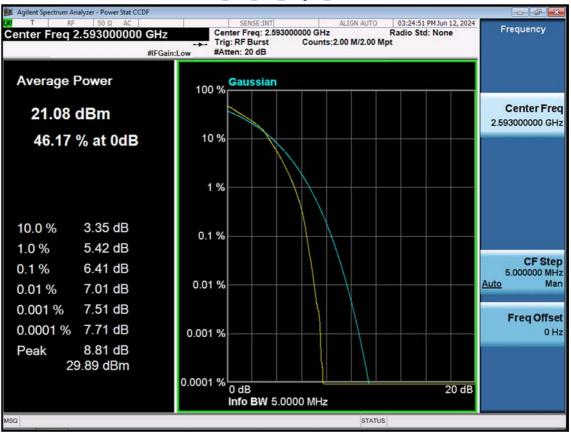


RL RF	alyzer - Power Stat CCDF 50 Ω AC 593000000 GHz #IFGa	SENSE:INT ALIGN AUTO 03:25:25 PM Jur Center Freq: 2.593000000 GHz Radio Std: Nor Trig: RF Burst Counts: 2.00 M/2.00 Mpt #Atten: 20 dB	
Average F		100 % Gaussian	
22.54	dBm		Center Free 2.593000000 GH
47.92	% at 0dB	10 %	
		1 %	
10.0 % 1.0 %	2.51 dB 4.51 dB	0.1 %	
0.1 % 0.01 %	5.64 dB 6.24 dB	0.01 %	CF Ste 5.00000 MH <u>Auto</u> Ma
0.001 % 0.0001 %	6.80 dB 6.88 dB	0.001 %	Freq Offse
Peak 29	6.91 dB).45 dBm		
		0.0001 % 0 dB Info BW 5.0000 MHz	20 dB
SG		STATUS	

5 M PAR Mid QPSK FullRB



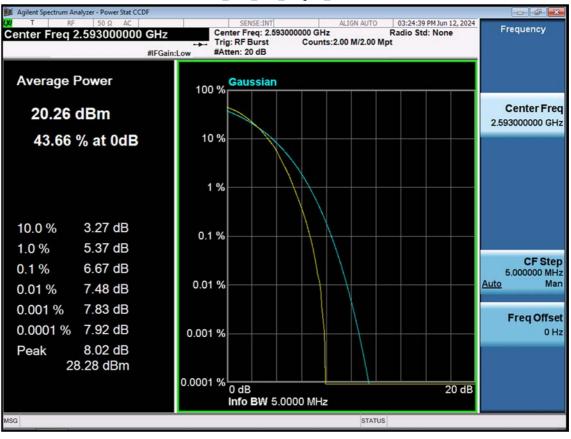




5 M_PAR_Mid_16QAM_FullRB



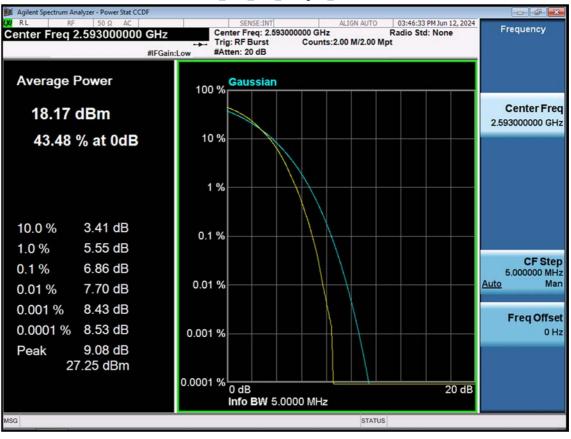




5 M_PAR_Mid_64QAM_FullRB



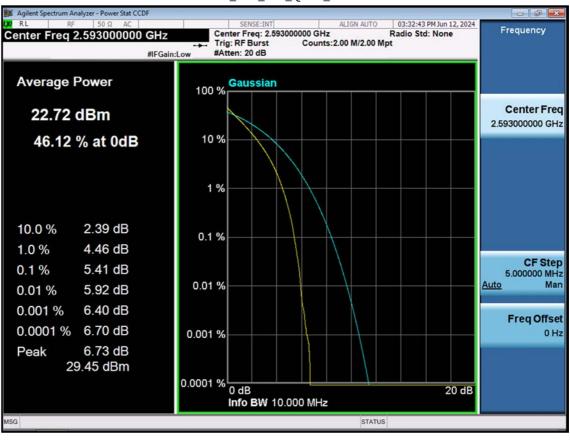




5 M_PAR_Mid_256QAM_FullRB



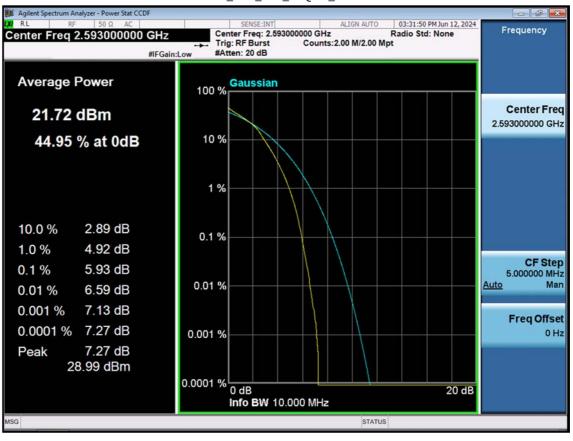




10 M_PAR_Mid_QPSK_FullRB



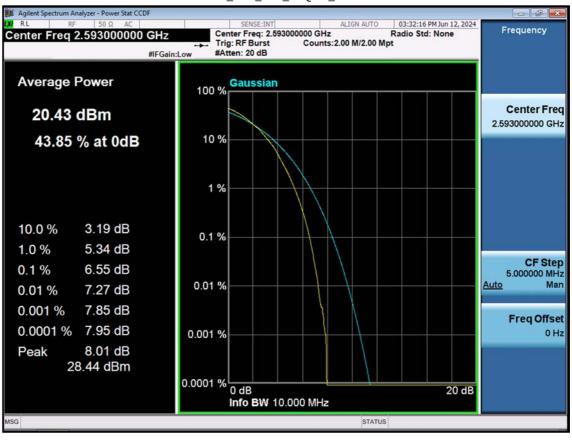




10 M_PAR_Mid_16QAM_FullRB



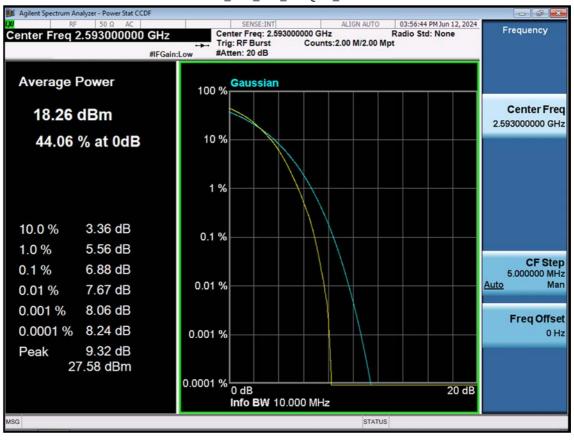




10 M_PAR_Mid_64QAM_FullRB





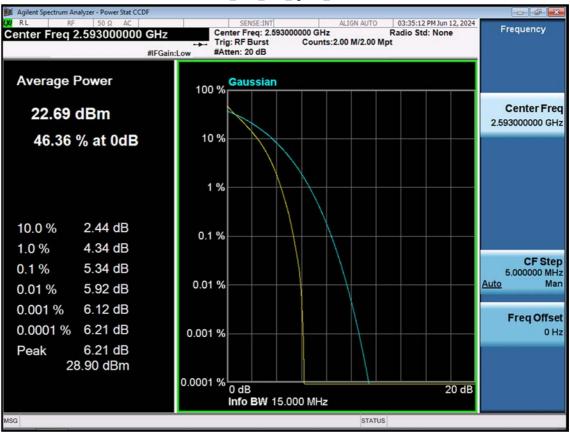


10 M_PAR_Mid_256QAM_FullRB

F-TP22-03 (Rev. 06)



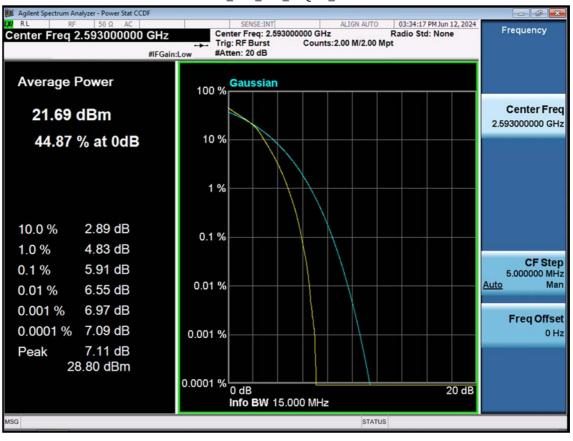




15 M_PAR_Mid_QPSK_FullRB



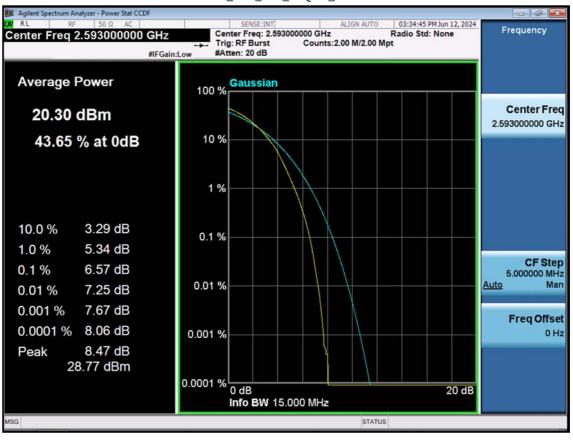




15 M_PAR_Mid_16QAM_FullRB







15 M_PAR_Mid_64QAM_FullRB



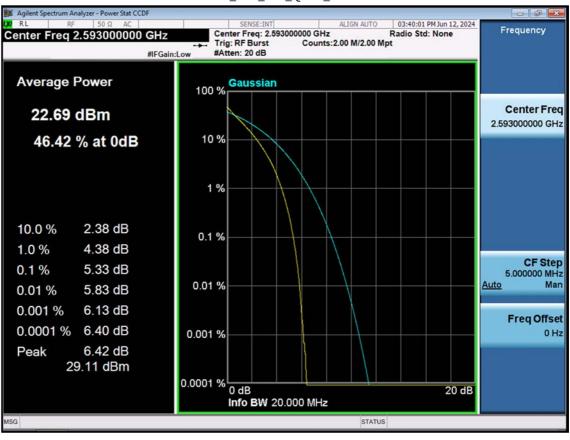




15 M_PAR_Mid_256QAM_FullRB



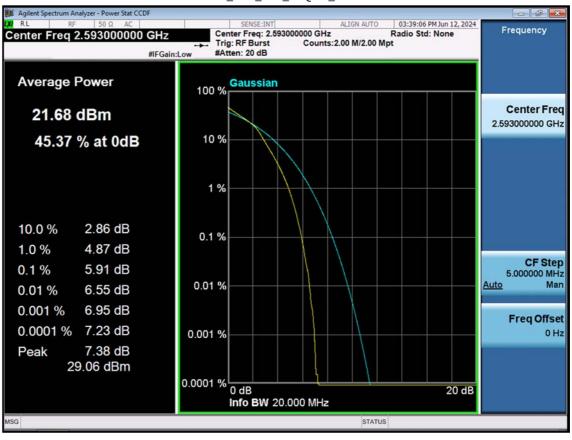




20 M_PAR_Mid_QPSK_FullRB



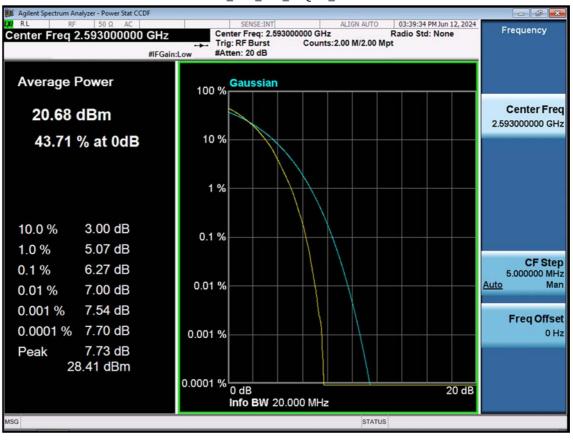




20 M_PAR_Mid_16QAM_FullRB



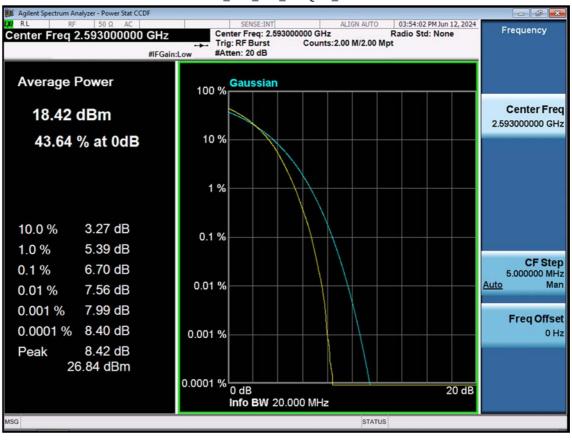




20 M_PAR_Mid_64QAM_FullRB







20 M_PAR_Mid_256QAM_FullRB





Je Agilent Spectrum Analyzer - Occupied BV	V					
RL RF 50 Ω AC Center Freq 2.59300000 PASS Ref Offset 27.4 c 10 dB/div Ref 40.00 dB	#IFGain:Low	SENSE:INT Center Freq: 2.5930 Trig: Free Run #Atten: 20 dB		: 500/500	09:05:49 PMJun 11, 2024 Radio Std: None Radio Device: BTS	Frequency
20.0	mpmvorza	har war	www	~		Center Freq 2.593000000 GHz
10.0 0.00 -10.0 -20.0 -30.0 -40.0					mannahanan	
-50.0 Center 2,593 GHz #Res BW 100 kHz		#VBW 390	kHz		Span 10 MHz Sweep 1 ms	CF Step 2.000000 MHz Auto <u>Man</u>
Occupied Bandwidth 4.5239 MHz			Power	31.5	dBm	Freq Offset 0 Hz
Transmit Freq Error x dB Bandwidth	22.222 5.298 N			99. -26.0	00 % 0 dB	
MSG				STATUS		

5 M_OBW_Mid_QPSK_FullRB





Agilent Spectrum Analyzer - Occupied I		1 2			SN AUTO		
RL RF 50 Ω AC Center Freq 2.59300000 PASS PASS		Center	SENSE:INT Freq: 2.5930000 ree Run 20 dB	09:04:47 PM Jun 11, 2024 dio Std: None dio Device: BTS	Frequency		
Ref Offset 27.4 10 dB/div Ref 40.00 dE		_					
20.0	mmunham	anna	Amm	maha			Center Fred 2.593000000 GH:
10.0	N ^R	and the state					
20.0 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					www	mhorean	
50.0							CF Step
Center 2.593 GHz #Res BW 100 kHz		#\	/BW 390 kH	z		Span 10 MHz Sweep 1 ms	2.000000 MH Auto <u>Mar</u>
Occupied Bandwidth 4.5145 MI		Total Power Hz		wer	31.6 dBm		Freq Offse 0 Hi
Transmit Freq Error	12.261	kHz	OBW Power		99.00	%	
x dB Bandwidth	5.246 N	MHz	x dB		-26.00	dB	
ISG					STATUS		

5 M_OBW_Mid_16QAM_FullRB





Agilent Spectrum Analyzer - Occupied B RL RF 50 Q AC Center Freq 2.59300000		Center	SENSE:INT Freq: 2.59300	0000 GHz	ALIGN AUTO	09:05:33 P	M Jun 11, 2024	Frequency
ASS	. Trig: F	ree Run : 20 dB	Avg Hold	Radio Devi				
Ref Offset 27.4 0 dB/div Ref 40.00 dE								
								Center Fre 2.593000000 GH
0.0	pomman	ym.	mmm	m	m			
0.0	prod				No Andrews			
0.0 ~ / ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~						haraby	man	
enter 2.593 GHz								CF Ste 2.000000 MH
Res BW 100 kHz		#	VBW 390 k	Hz			n 10 MHz ep 1 ms	Auto <u>M</u> a
Occupied Bandwidth 4.4913 MHz		Hz	Total Power		27.6 dBm			Freq Offso 0 ⊦
Transmit Freq Error	17.078	kHz	OBW Power		99.00 % -26.00 dB			
x dB Bandwidth	5.313 N	5.313 MHz						
G					STATUS	5		

5 M_OBW_Mid_64QAM_FullRB





Magilent Spectrum Analyzer - Occupied BW							
RF 50 Ω AC Center Freq 2.593000000 Ref 0ffset 27.4 dE Ref 0ffset 27.4 dE Ref 40.00 dBm	#IFGain:Low	SENSE:INT Center Freq: 2.5930 Trig: Free Run #Atten: 20 dB	000000 GHz Avg Hold	ALIGN AUTO	04:05:56 F Radio Std: Radio Dev		Frequency
20.0							Center Freq 2.593000000 GHz
10.0 0.00 .10.0 .20.0 .30.0				~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Muman	www.w	
40.0 50.0 Center 2.593 GHz #Res BW 100 kHz		#VBW 390	kHz			n 10 MHz ep 1 ms	CF Step 1.000000 MHz <u>Auto</u> Man
Occupied Bandwidt	հ 5036 MH		Power	26.7	dBm		Freq Offset 0 Hz
Transmit Freq Error x dB Bandwidth	13.796 k 5.178 M		OBW Power x dB		99.00 % -26.00 dB		
MSG				STATU	S		

5 M_OBW_Mid_256QAM_FullRB





Agilent Spectrum Analyzer - Occupied B RL RF 50.0. AC Center Freq 2.59300000 PASS		. Trig: I	SENSE:INT r Freq: 2.5930 Free Run n: 20 dB	00000 GHz Avg Hold	ALIGN AUTO	09:08:23 Radio Std Radio Dev		Frequency
Ref Offset 27.4 10 dB/div Ref 40.00 dB								
20.0								Center Free 2.593000000 GH
10.0	and a manager	Amara	-sopendorlynght	war wat and	1			
0.00 10.0 20.0 ac ~ January and a second s	Ŵ				hrest we	and the second second	And Anger	
						0	- 00 5411-	CF Ste 2.000000 MH
Center 2.593 GHz Res BW 200 kHz		#	VBW 820	kHz		Swe	n 20 MHz eep 1 ms	Auto <u>Ma</u>
Occupied Bandwidth 9.0319 MHz		Hz	Total Power		31.3 dBm			Freq Offse 0 H
Transmit Freq Error 12.62		kHz OBW Power		99.00 %				
x dB Bandwidth	10.38 N	ſHz	x dB		-26	5.00 dB		
ISG					STAT	US		

10 M_OBW_Mid_QPSK_FullRB





Agilent Spectrum Analyzer - Occupied B	W	SENS	C-INT	AL	IGN AUTO	00:07:22 0	M Jun 11, 2024	
Center Freq 2.59300000	0 GHz #IFGain:Low	Center Free	q: 2.593000 Run		1000000	Radio Std: Radio Dev	None	Frequency
Ref Offset 27.4 10 dB/div Ref 40.00 dE								
20.0								Center Fre 2.593000000 GH
10.0	monorman	᠆᠋᠕᠕᠕᠆᠕᠉ᢂ᠆ᠬ	muninin	Varen June 10				
0.00 10.0 20.0 Annary Mar Mar Mar Mar	ph				Jone Land	marian	- manthan	
30.0								
50.0								CF Ste 2.000000 MH
Center 2.593 GHz Res B₩ 200 kHz		#VBV	V 820 kH	Iz		Spa Swe	n 20 MHz ep 1 ms	Auto <u>Ma</u>
Occupied Bandwidth 8.9883 MH Transmit Freq Error 36.917 kl					31.6 dBm			Freq Offse 0 H
		kHz (99.00 %			
x dB Bandwidth	10.44 N	MHz x dB			-26.00 dB			
ISG					STATU	S		

10 M_OBW_Mid_16QAM_FullRB





Agilent Spectrum Analyzer - Occupied BW	r:		crauer and		00.00.00 000 00 00 000	
RL RF 50 Ω AC Center Freq 2.593000000 PASS) GHz #IFGain:Low	Center		ALIGN AUTO d: 500/500	09:08:06 PM Jun 11, 202 Radio Std: None Radio Device: BTS	Frequency
Ref Offset 27.4 d 10 dB/div Ref 40.00 dBr Log						
20.0						Center Freq 2.593000000 GHz
0.00	1 marine	mappen	momentantration			
-10.0						
-30.0 The method provident of the second sec				· · · · · ·	www.www.www.h.wo	
50.0						CF Step 2.000000 MHz
Center 2.593 GHz #Res BW 200 kHz		#\	/BW 820 kHz		Span 20 MH Sweep 1 ms	
Occupied Bandwid 8.	th 9796 MI	Hz	Total Power	27.6	dBm	Freq Offset 0 Hz
Transmit Freq Error 37.764		kHz OBW Power		99.00 %		
x dB Bandwidth	10.13 N	/Hz	x dB	-26.0	00 dB	
ISG				STATUS		

10 M_OBW_Mid_64QAM_FullRB