

Agilent Spectrum Analyzer - Swept SA				Telesco a born	- 6 ×
Center Freq 18.5000000	DOO GHz PNO: Fast ->	- Trig: Free Run #Atten: 0 dB	#Avg Type: RMS	01:34:31 PM Mar 05, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBn	IFGain:High	#Atten. 0 db	Mkr	1 26.118 1 GHz -76.441 dBm	Auto Tune
30.0					Center Freq 18.500000000 GHz
40.0					Start Fred 10.000000000 GH;
60.0					Stop Fred 27.000000000 GH2
80.0				RMS	CF Step 1.700000000 GHz <u>Auto</u> Mar
-100					Freq Offse 0 Hi
Start 10.000 GHz				Stop 27.000 GHz	
#Res BW 1.0 MHz	#VBM	/ 3.0 MHz	Sweep 42	.67 ms (40000 pts)	

# LTE41\_15 M\_CSE(Above10 G)\_Highest Channel



Agilent Spectrum Analyzer - Swept SA					- 6 ×
RL RF 50Ω AC Center Freq 18.5000000	PNO: Fast ->	- Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	01:38:05 PM Mar 05, 2024 TRACE 1 2 3 4 5 6 TYPE A WANNAW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High	#Atten: Vub	Mkr	1 26.133 0 GHz -76.119 dBm	Auto Tune
- <b>og</b> 30.0					Center Fred 18.500000000 GHz
50,0					Start Fred 10.000000000 GH;
60.0					Stop Free 27.000000000 GH;
80.0			-	RMS	CF Step 1.700000000 GH2 Auto Mar
-100					Freq Offse 0 H:
Start 10.000 GHz				Stop 27.000 GHz	
#Res BW 1.0 MHz	#VBN	3.0 MHz	Sweep 42	.67 ms (40000 pts)	

# LTE41\_20 M\_CSE(Above10 G)\_Lowest Channel



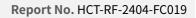
Agilent Spectrum Analyzer - Swept SA					- 6 ×
x RL RF 50 Ω AC Center Freq 18.5000000	000 GHz PNO: Fast →	Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	01:41:36 PM Mar 05, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBn	IFGain:High	#Atten: Vub	Mkr	1 26.116 8 GHz -76.291 dBm	Auto Tune
30.0					Center Free 18.500000000 GH:
40.0 50.0					Start Free 10.000000000 GH
70.0					Stop Free 27.000000000 GH
				RMS	CF Step 1.700000000 GH <u>Auto</u> Mar
100					Freq Offse 0 H
Start 10.000 GHz	#1/214			Stop 27.000 GHz	
#Res BW 1.0 MHz	#VBV	/ 3.0 MHz	Sweep 42	.67 ms (40000 pts)	

# LTE41\_20 M\_CSE(Above10 G)\_Mid Channel



Agilent Spectrum Analyzer - Swept SA					- 6 ×
RL RF 50 Q A Center Freq 18.500000	000 GHz PNO: Fast	SENSE:INT	ALIGN AUTO #Avg Type: RMS	01:44:36 PM Mar 05, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dB	IFGain:High	#Atten: 0 dB	Mkr	1 26.184 0 GHz -76.247 dBm	Auto Tune
30.0					Center Fred 18.500000000 GH;
40.0 50.0					Start Fred 10.000000000 GH;
60.0					Stop Free 27.000000000 GH:
					CF Step 1.700000000 GH <u>Auto</u> Mar
-100					Freq Offse 0 Hi
Start 10.000 GHz				Stop 27.000 GHz	
#Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 42	2.67 ms (40000 pts)	

# LTE41\_20 M\_CSE(Above10 G)\_Highest Channel





# 11. TEST PLOTS(Sub 5 Ant)



	RF 50 Ω AC		Tr	SENSE:INT enter Freq: 2, ig: Free Run tten: 20 dB	498500000 GH	ALIGN AU Iz 100.00% of	Radio 20	6:04 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
.og 20.0 10.0								AssiduteUmit	Center Free 2.498500000 GH
0.00			MM	MMM	MM				
20.0									
80.0					hun	Manustan	MAN		
40.0 50,0								Spectrum	
enter 2.49	9 GHz							Span 20 MHz	CF Stej 2.000000 MH <u>Auto</u> Ma
Total Power	Ref 23.42 Stop Freq	dBm / 5 I	dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ∆Lim(dB)	Freq (Hz)	Freq Offse 0 H
2.500 MHz	3.500 MHz	100.0 kHz	-20.89	(-7.89)	-2.520 M		()	*	
3.500 MHz	8.000 MHz	1.000 MHz	-17.60	(-4.60)	-3.545 M		()	=	
8.000 MHz	10.00 MHz	1.000 MHz	-34.75	(-9.75)	-8.060 M		()		
2.500 MHz 8.000 MHz	10.00 MHz 12.50 MHz	68.00 kHz 1.000 MHz		() ()		-22.71	(-72.71) ()	2.500 M	
							. ,		

# LTE41\_5 M\_BandEdge\_Lower\_Low\_2498.5 MHz\_QPSK\_FullRB



	RF 50 Q A 2.4985000		Tri	SENSE:INT nter Freq: 2.4 g: Free Run tten: 20 dB	498500000 GH	ALIGN A Iz 100.00% of	Radio 20	6:34 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30. Ref 30.0 dB							Heistive Link	
.og 20.0 10.0								raalauya, wina	Center Fre 2.498500000 GH
0.00			MW	WWWW	MMM				
0,0			+		<u> </u>			Absolute Lind	
20.0						monorm	mm		
0.0		······					- Andrew	Spectrum	
0,0	mond								
50.0									
									CF Ste
center 2.49	9 GHz							Span 20 MHz	2.000000 MH Auto Ma
otal Power	Ref 23.4	5 dBm / 5 l	MHz						Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	0 H
2.500 MHz	3.500 MHz	100.0 kHz		()		-20.49	(-10.49)	2.510 M *	
3.500 MHz	7.500 MHz	1.000 MHz		()		-16.51	(-6.51)	3.520 M =	
7.500 MHz	8.500 MHz	1.000 MHz		()		-32.94	(-19.94)	7.520 M	
8.500 MHz	10.00 MHz	1.000 MHz		()		-34.30	(-9.30)	8.508 M	
2.500 MHz	10.00 MHz	68.00 kHz	-23.87	(-73.87)	-2.500 M		()		
							TATUS		

# LTE41\_5 M\_BandEdge\_Upper\_Low\_2498.5 MHz\_QPSK\_FullRB



	RF 50 Ω A			SENSE:INT		ALIGN AL		7:09 PM Mar 15, 2024	Frequency
ASS	q 2.4985000	00 GHz IFGain:Lo	T	enter Freq: 2. rig: Free Run Atten: 20 dB	498500000 GH Avg: 1	z 100.00% of	20	Std: None Device: BTS	requency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
og								Association	and the second
20,0			A						Center Fre
0,0								_	2.498500000 G
0,0									
0.0						_			
0.0		Stronger .	1 1	dis.					
0.0		WWWWWWW I	/ 1	All the second					
0.0				F PRANKA	al duty to be by				
0.0					WWWWWWW	Martin Martin	1- incomentation	Spectrum	
0.0									
0.0									CF Ste
enter 2.49	9 GHz							Span 20 MHz	2.000000 Mi Auto Mi
otal Power	Ref 24.36	6 dBm / 5 l	MHz						Freq Offs
Ctart Error	Chan From	Inter DIA	dDee	Lower		Peak ->	Upper		01
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	ΔLim(dB)	Freq (Hz)	
2.500 MHz	3.500 MHz	30.00 kHz	-23.66	(-10.66)	-2.515 M		()		
3.500 MHz 8.000 MHz	8.000 MHz	1.000 MHz	-23.74	(-10.74)	-3.500 M		()	E	
	10.00 MHz 10.00 MHz	1.000 MHz 68.00 kHz	-35.69	(-10.69) ()	-8.040 M	-46.14	() (-96.14)	2.670 M	
2 500 MHz		00.00 KHZ		()		-40.14	(-90.14)	2.070 1	
2.500 MHz 8.000 MHz	12.50 MHz	1.000 MHz		()			()		

### LTE41\_5 M\_BandEdge\_Lower\_Low\_2498.5 MHz\_QPSK\_1RB



and the second se	RF 50 Ω A			SENSE:INT	-	0.700.0	uro Locut	7:38 PM Mar 15, 2024	
	2.4985000		Tr		498500000 GH	ALIGN A 2 100.00% of	Radio 20	Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30. Ref 30.0 dB								
20.0 10.0 0.00			A						Center Fre 2.498500000 GH
10.0 20.0								Absolute Linit	
30.0 40.0 50.0	- Jon of rate of the office of	ndrikkene		1111111	MAM		ing to a graph of the graph of	Spectrum	
center 2.49	9 GHz							Span 20 MHz	CF Ste 2.000000 MH Auto Ma
Total Power	Ref 23.69 Stop Freq	9 dBm / 5 f	MHz dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ∆Lim(dB)	Freq (Hz)	Freq Offse 0 H
2.500 MHz	3.500 MHz	30.00 kHz		()		-49.54	(-39.54)	2.735 M -	
3.500 MHz	7.500 MHz	1.000 MHz		()		-35.60	(-25.60)	3.640 M =	
7.500 MHz	8.500 MHz	1.000 MHz		()		-37.40	(-24.40)	7.860 M	
8,500 MHz	10.00 MHz	1.000 MHz		()		-37.73	(-12.73)	8.845 M	
0.000 10112									
2.500 MHz	10.00 MHz	68.00 kHz	-19.15	(-69.15)	-2.500 M		()		

# LTE41\_5 M\_BandEdge\_Upper\_Low\_2498.5 MHz\_QPSK\_1RB



	RF 50 Ω A 2.5930000		Tr	SENSE:INT enter Freq: 2. ig: Free Run atten: 20 dB	593000000 GH	ALIGN A z 100.00% of	Radio 20	1:06 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30. Ref 30.0 dB								
. <b>og</b> 20,0 10,0			AAAA	****	A & A A A				Center Fre 2.593000000 GH
0.00			14444	<u>AAAAAAA</u>	144441			Absolute Limit	
20.0		WARRAW WARA							
40.0	Same and the second							Spectrum	
50.0 50.0									
enter 2.59	3 GHz						ę	Span 20 MHz	CF Ste 2.000000 MH Auto Ma
otal Power	Ref 23.11	1 dBm / 5 M	MHz						Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freg (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freg (Hz)	01
2.500 MHz	3,500 MHz	100.0 kHz	-21.88	(-11.88)	-2.500 M	-22.05	(-12.05)	2.505 M	
3.500 MHz	7.500 MHz	1.000 MHz	-19.60	(-9.60)	-3.500 M	-20.33	(-10.33)	3.520 M =	
7.500 MHz	8.500 MHz	1.000 MHz	-34.60	(-21.60)	-7.510 M	-35.15	(-22.15)	7.670 M	
8.500 MHz 8.000 MHz	10.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-35.99	(-10.99) ()	-8.725 M	-36.30	(-11.30)	8.583 M	
				, ,					No. of Concession, Name

### LTE41\_5 M\_BandEdge\_Mid\_2593MHz\_QPSK\_FullRB



11.0	RF 50 Q A			SENSE:INT		ALIGN A		3:23 PM Mar 15, 2024	Frequency
Center Fred ASS	2.6875000	00 GHz IFGain:Lo	Tr	ig: Free Run tten: 20 dB	687500000 GH Avg: 1	z 100.00% of	20	Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.3 Ref 30.0 dB								
20.0 10.0			4444	ነለለለለለለለለ	44444				Center Fre 2.687500000 GH
10,0								Absolute Linit	
20.0			4111			-	and the second second	Spectrum	
40,0									
60.0									CF Ste
Center 2.68								Span 20 MHz	2.000000 MH Auto Ma
Total Power			MHz	Lower (dD)		Peak ->	Upper	Free (Up)	Freq Offso 0 H
Start Freq 2.500 MHz	Stop Freq 3.500 MHz	Integ BW 100.0 kHz	dBm -21.73	ΔLim(dB) (-11.73)	Freq (Hz) -2.500 M	dBm -21.91	ΔLim(dB) (-11.91)	Freq (Hz)	
3.500 MHz	7.500 MHz	1.000 MHz	-21.73	(-11.73)	-2.500 M	-21.91	(-11.91)	2.525 M =	
7.500 MHz	8.500 MHz	1.000 MHz	-33.96	(-20.96)	-7.500 M	-35.49	(-22.49)	7.525 M	
8.500 MHz	10.00 MHz	1.000 MHz	-35.06	(-10.06)	-8.620 M	-36.78	(-22.49)	8.553 M	
8.000 MHz	12.50 MHz	1.000 MHz	-00.00	()			()		

# LTE41\_5 M\_BandEdge\_High\_2687.5 MHz\_QPSK\_FullRB



	RF 50 Q A			distance face					
	q 2.6875000		Tr	SENSE:INT enter Freq: 2. ig: Free Run atten: 20 dB	687500000 GH	ALIGN A 2 00.00% of	Radio 20	4:13 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30. Ref 30.0 dB							continue rooti	
.og 20.0 10.0 					A			residive Limit	Center Fre 2.687500000 Gi
0.0					. AL	harmon		Absolute Linit	
0.0		uuun/srishtprife/14	MWM	NWW	th P		the markey and	Spectrum	
enter 2.68	8 GHz							Span 20 MHz	CF St 2.000000 M <u>Auto</u> M
otal Power			MHz dBm	Lower		Peak -> dBm	Upper		Freq Offs 0
Start Freq 2.500 MHz	Stop Freq 3.500 MHz	Integ BW 30.00 kHz	-48.55	ΔLim(dB) (-38.55)	Freq (Hz) -2.510 M	-24.18	ΔLim(dB) (-14.18)	Freq (Hz) 2.510 M	
3.500 MHz	7.500 MHz	1.000 MHz	-35.20	(-25.20)	-3.660 M	-24.40	(-14.10)	3.520 M =	
7.500 MHz	8.500 MHz	1.000 MHz	-37.08	(-24.08)	-8.150 M	-35.89	(-22.89)	7.535 M	
8.500 MHz 8.000 MHz	10.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-37.29	(-12.29)	-8.515 M	-36.80	(-11.80)	8.605 M	
0.000 MIHZ	12.50 MHZ	1.000 1011 12		()					

# LTE41\_5 M\_BandEdge\_High\_2687.5 MHz\_QPSK\_1RB



	RF 50 Ω A		+ Tr	SENSE:INT inter Freq: 2. ig: Free Run tten: 20 dB	501000000 GH	ALIGN AI	Radio 20	6:13 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
- <b>og</b> 20.0								Adsubbelume	Center Fre 2.501000000 GH
10,0 0.00			MAM	WANAAA	NAMAN				2.50100000 GP
10,0									
20.0									
30,0					ww	wwww	min		
40,0							-4	Spectrum	
50.0									
Center 2.50	1 GHz							Span 40 MHz	CF Ste 4.000000 MH Auto Ma
<b>Otal Power</b>	Ref 23.40 Stop Freq	0 dBm / 10 M	MHz dBm	Lower ∆Lim(dB)	<- Freq (Hz)	Peak -> dBm	Upper ∆Lim(dB)	Freq (Hz)	Freq Offs 0 F
5.000 MHz	6.000 MHz	200.0 kHz	-23.38	(-10.38)	-5.025 M		()	*	1
6.000 MHz	10.50 MHz	1.000 MHz	-19.36	(-6.36)	-6.068 M		()	E	
10.50 MHz	20.00 MHz	1.000 MHz	-25.82	(-0.82)	-10.55 M		()		
5.000 MHz 8.000 MHz	20.00 MHz 12.50 MHz	150.0 kHz 1.000 MHz		() ()		-23.22	(-73.22) ()	5.000 M	

### LTE41\_10 M\_BandEdge\_Lower\_Low\_2501MHz\_QPSK\_FullRB



	RF 50 Ω A <b>2.5010000</b>		Tri	SENSE:INT Inter Freq: 2. ig: Free Run tten: 20 dB	501000000 GH	ALIGN A Iz 100.00% of	Radio 20	6:44 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
.og 20.0								Heletive Cirit	Center Fre
10,0			A0040	аллалллл	ллава				2.501000000 GH
0.00			lunnn	<b>AAAAAAAA</b> AAAA	inthir <sup>r</sup>				
10.0									
20,0					2		Marchine .	Absolute Limit	
30.0		minin	~~				A REAL PROPERTY AND IN COLUMN	Spectrum	
10.0								Spectrum	
50.0									
60.0									CF Ste
Center 2.50							1	Span 40 MHz	4.000000 MH <u>Auto</u> Ma
Total Power	Ref 23.40	0 dBm / 10	MHz						Freq Offse
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freg (Hz)	Peak -> dBm	Upper <u> <u> </u> </u>	Freq (Hz)	0 H
5.000 MHz	6.000 MHz	200.0 kHz		()		-22.10	(-12.10)	5.000 M	
3.000 WI 12	10.00 MHz	1.000 MHz		()		-18.01	(-8.01)	6.040 M ≡	
6.000 MHz	10.00 1011 12					00 10	10 10)	10.03 M	
6.000 MHz 10.00 MHz	15.00 MHz	1.000 MHz		()		-22.49	(-9.49)		
6.000 MHz		1.000 MHz 1.000 MHz 150.0 kHz	-25.29	() () (-75.29)	-5.075 M	-22.49 -35.87	(-9.49) (-10.87) ()	15.05 M	

# LTE41\_10 M\_BandEdge\_Upper\_Low\_2501MHz\_QPSK\_FullRB



	f 0ffset 30.78 f 30.0 dBn							ASSESSION	Center Fre 2.501000000 GH
20.0 10.0 10.0 20.0 20.0 30.0									
10.0 0.00 10.0 20.0 30.0									
0.00 10.0 20.0 30.0									2.50 1000000 GH
20.0									
20.0									
30.0									
30.0			AL						
0.0									
U,U	Statement of the local division of the local		/	ALALLI	11111		_		
50.0				INAMANAN	WWWWW			Spectrum	
60.0									CF Ste
Center 2.501 G							ş	Span 40 MHz	4.000000 MH Auto Ma
otal Power Ref	23.86 (	dBm / 10 M	MHz	Lower	~	Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)		ΔLim(dB)	Freq (Hz)	UP
5.000 MHz 6	.000 MHz	30.00 kHz	-32.71	(-19.71)	-5.010 M		()		
6.000 MHz 1	0.50 MHz	1.000 MHz	-26.74	(-13.74)	-6.000 M		()	E	
10.50 MHz 2	0.00 MHz	1.000 MHz	-37.01	(-12.01)	-10.55 M		()		
		150.0 kHz		()		-45.93	(-95.93)	5.225 M	
8.000 MHz 1	2.50 MHz	1.000 MHz		()			()		

# LTE41\_10 M\_BandEdge\_Lower\_Low\_2501MHz\_QPSK\_1RB



	RF 50 Ω A		Tr	sense:INT enter Freq: 2. ig: Free Run itten: 20 dB	501000000 GH	ALIGN A 2 100.00% of	Radio 20	7:47 PM Mar 15, 2024 Std: None Device: BTS	Frequency
10 dB/div	Ref Offset 30.7 Ref 30.0 dB							continuer met	
20.0 10.0 0.00			1						Center Free 2.501000000 GH
10.0								Absolute Limit	
30.0 40.0 50.0		www.www.		hilling	thing with the second			Spectrum	
enter 2.50	1 GHz							Span 40 MHz	CF Ste 4.000000 MH Auto Ma
Total Power	Ref 23.65 Stop Freq	5 dBm / 10 M	MHz dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ∆Lim(dB)	Freq (Hz)	Freq Offse 0 ⊢
5.000 MHz 6.000 MHz	6.000 MHz 10.00 MHz	30.00 kHz 1.000 MHz		()		-52.49 -37.76	(-42.49) (-27.76)	5.230 M ^ 6.220 M =	
10.00 MHz 15.00 MHz 5.000 MHz	15.00 MHz 20.00 MHz 20.00 MHz	1.000 MHz 1.000 MHz 150.0 kHz		() () (-75.72)	 -5.000 M	-38.67 -39.13	(-25.67) (-14.13) ()	10.13 M 15.08 M	
SG						s	TATUS		

# LTE41\_10 M\_BandEdge\_Upper\_Low\_2501MHz\_QPSK\_1RB



	RF 50 Ω A 2.5930000		Tr	SENSE:INT Inter Freq: 2. ig: Free Run tten: 20 dB	593000000 GH	ALIGN A 2 00.00% of	Radio 20	1:11 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
.og 20.0 10.0			እስለለ	አለስለስለስለስ	AAAAA				Center Fre 2.593000000 GH
10.0			ĮŸŸŸŸ	AAAAAAAA	(TYYY)				
20.0					tr			Absolute Limit	
40.0								Spectrum	
50,0									
enter 2.59	3 GHz						ę	Span 40 MHz	CF Ste 4.000000 MH Auto Ma
otal Power	Ref 23.05	5 dBm / 10 l	MHz			3.0			FreqOffs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	01
5.000 MHz	6.000 MHz	200.0 kHz	-24.36	(-14.36)	-5.020 M	-24.05	(-14.05)	5.005 M	
6.000 MHz	10.00 MHz	1.000 MHz	-20.85	(-10.85)	-6.060 M	-21.34	(-11.34)	6.000 M =	
10.00 MHz	15.00 MHz	1.000 MHz	-27.21	(-14.21)	-10.18 M	-27.46	(-14.46)	10.08 M	
15.00 MHz 8.000 MHz	20.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-37.17	(-12.17) ()	-15.00 M	-37.58	(-12.58) ()	15.33 M	

# LTE41\_10 M\_BandEdge\_Mid\_2593MHz\_QPSK\_FullRB



	Analyzer - Spectrum		-	SENSE:INT	Г Г	ALIGN A	UTO 07:0	3:30 PM Mar 15, 2024	
Center Fred PASS	2.6850000	00 GHz IFGain:Lo	Tr		685000000 GH		Radio 20	Std: None Device: BTS	Frequency
10 dB/div	Ref Offset 30. Ref 30.0 dB								
20.0								Postetuve: Lime	Center Fre 2.685000000 GH
0.00			NYVY	WWWW	YWW	_			
20.0						-			
30.0		and the second design of the			2		TWO IS NOT THE OWNER.	Absolute Limit	
10.0								Spectrum	
50.0 50.0									
Center 2.68	5 GHz							Span 40 MHz	CF Ste 4.000000 MH Auto Ma
Total Power	<b>Ref</b> 22.92	2 dBm / 10 l	MHz	Lower		Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	ΔLim(dB)	Freq (Hz)	U P
5.000 MHz	6.000 MHz	200.0 kHz	-23.95	(-13.95)	-5.010 M	-24.36	(-14.36)	5.015 M 🔶	
6.000 MHz	10.00 MHz	1.000 MHz	-20.14	(-10.14)	-6.080 M	-20.97	(-10.97)	6.020 M =	
10.00 MHz	15.00 MHz	1.000 MHz	-25.90	(-12.90)	-10.05 M	-27.03	(-14.03)	10.10 M	
15.00 MHz 8.000 MHz	20.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-36.70	(-11.70) ()	-15.00 M	-37.96	(-12.96) ()	15.03 M	
SG						s	TATUS		

# LTE41\_10 M\_BandEdge\_High\_2685 MHz\_QPSK\_FullRB



	RF 50 Q A		Tri	sense:INT inter Freq: 2. ig: Free Run itten: 20 dB	685000000 GH	ALIGN A 2 00.00% of	Radio 20	4:22 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB	78 dB							
og 20.0 10.0									Center Fre 2.685000000 GH
10,0 20,0 30,0 40,0				MANAM				Absolute Linit Spectrum	
50.0	5 GHz							Span 40 MHz	CF Ste 4.000000 MH
otal Power		6 dBm / 10 l	MHz						Auto Ma Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower <u> <u> </u> </u>	Freq (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	01
5.000 MHz	6.000 MHz	30.00 kHz	-52.09	(-42.09)	-5.370 M	-32.34	(-22.34)	5.000 M *	
6.000 MHz	10.00 MHz	1.000 MHz	-37.45	(-27.45)	-6.120 M	-27.01	(-17.01)	6.080 M =	
10.00 MHz	15.00 MHz	1.000 MHz	-38.17	(-25.17)	-10.13 M	-36.53	(-23.53)	10.15 M	
15.00 MHz 8.000 MHz	20.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-38.57	(-13.57) ()	-15.43 M	-38.07	(-13.07) ()	15.23 M	
							TATUS		

### LTE41\_10 M\_BandEdge\_High\_2685 MHz\_QPSK\_1RB



	RF 50 Ω A0			SENSE:INT		ALIGN A		6:21 PM Mar 15, 2024	Frequency
ASS	2.5035000	00 GHz IFGain:Lo	Tri	g: Free Run tten: 20 dB	503500000 GH Avg: 1	12 100.00% of	20	Std: None Device: BTS	i requeriey
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
og								Association	and the second
20.0									Center Fre
a.a.			. is in its is	1.1.1.1.1.1.1.1.1.1.1.	ылыны.	_			2.503500000 GI
).00			1111	<b>ALLALA</b>	TTTTN				
0,0									
20.0					N				
0.0		www			ww	m			
0.0	m						m		
10,0							L	Spectrum	
0,0									
0.0						_			
									CF Ste
enter 2.504	GHz							Span 60 MHz	6.000000 Mi Auto Mi
otal Power	Ref 23.33	3 dBm / 15 M	MHz						Freq Offs
				Lower		Peak ->	Upper		OF
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	ΔLim(dB)	Freq (Hz)	01
7.500 MHz	8.500 MHz	300.0 kHz	-25.02	(-12.02)	-7.530 M		()		1
8.500 MHz	13.00 MHz	1.000 MHz	-22.05	(-9.05)	-8.545 M		()	=	
13.00 MHz	30.00 MHz	1.000 MHz	-26.43	(-1.43)	-13.09 M		()		
7.500 MHz	30.00 MHz	220.0 kHz		()		-25.00	(-75.00)	7.610 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		
G						s	TATUS		

#### LTE41\_15 M\_BandEdge\_Lower\_Low\_2503.5 MHz\_QPSK\_FullRB



	RF 50 Ω A 2.5035000				503500000 GH		Radio	6:51 PM Mar 15, 2024 Std: None	Frequency
PASS		IFGain:Lo		g: Free Run tten: 20 dB	Avg: 1	100.00% of		Device: BTS	
0 dB/div	Ref Offset 30. Ref 30.0 dB								
og								Heative Link	Constant Free
20.0									Center Fre
10,0			ryyyy	AAAAAAA	11111				2.503500000 GH
0.00									
10.0									
20,0			A			No. of Concession, Name		Absolute Limit	
30.0		minim	~~				CAMPACINA STATEMENT		
0.0	- min	manne						Spectrum	
50,0									
i0.0									
									CF Ste
enter 2.504	4 GHz						\$	Span 60 MHz	6.000000 MH Auto Ma
	Def								
Total Power	Ref 23.30	6 dBm / 15 l	MHz						Freq Offse
				Lower		Peak ->	Upper		0 H
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	$\Delta Lim(dB)$	Freq (Hz)	
7.500 MHz	8.500 MHz	300.0 kHz		()		-23.03	(-13.03)	7.505 M 🔶	
8.500 MHz	12.50 MHz	1.000 MHz		()		-19.81	(-9.81)	8.500 M ≡	
12.50 MHz	22.50 MHz	1.000 MHz		()		-23.85	(-10.85)	12.50 M	
22.50 MHz	30.00 MHz	1.000 MHz		()		-37.08	(-12.08)	22.58 M	
7.500 MHz	30.00 MHz	220.0 kHz	-25.89	(-75.89)	-7.500 M		()		di

# LTE41\_15 M\_BandEdge\_Upper\_Low\_2503.5 MHz\_QPSK\_FullRB



A REAL PROPERTY AND A REAL	Analyzer - Spectrum			SENSE:INT	T T	ALIGN AL	JTO 07:0	7:26 PM Mar 15, 2024	
Center Freq	2.5035000	00 GHz IFGain:Lo	Tri	nter Freq: 2. ig: Free Run tten: 20 dB	503500000 GH Avg: 1	z 100.00% of	20	Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
og								AGSIDE	CALCUN CAN
20.0			- h						Center Fre
10.0									2.503500000 GH
000									
0,0			_#!						
20.0									
0.0				Lt.					
10,0			/ PW	a shi tukaka katat	photological r			Spectrum	
50.0							~		
50.0									CF Ste
enter 2.504								Span 60 MHz	6.000000 Mi Auto Mi
otal Power	Ref 21.92	2 dBm / 15 M	MHz	Lower		Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	$\Delta Lim(dB)$	Freq (Hz)	
7.500 MHz	8.500 MHz	30.00 kHz	-31.62	(-18.62)	-7.520 M		()		
8.500 MHz	13.00 MHz	1.000 MHz	-27.66	(-14.66)	-8.523 M		()	E	
13.00 MHz	30.00 MHz	1.000 MHz	-36.82	(-11.82)	-13.00 M		()		
7.500 MHz	30.00 MHz	220.0 kHz		()		-42.13	(-92.13)	8.707 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		
G							TATUS		

### LTE41\_15 M\_BandEdge\_Lower\_Low\_2503.5 MHz\_QPSK\_1RB



	RF 50 Ω A			SENSE:INT		ALIGN A		7:56 PM Mar 15, 2024 Std: None	Frequency
ASS	2.5035000	UU GHZ IFGain:Lo	Tri	ig: Free Run tten: 20 dB	503500000 GH Avg: 1	100.00% of	20	Device: BTS	
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
og			4					Relative Limit	Contraction of the second
20.0									Center Fre
10,0									2.503500000 GH
			1						
0,0						- L			
20.0						_		Absolute Limit	
0.0			114.					Absolute Limit	
.0.0			1 1 1	dan				Spectrum	
10.0		- Angeland		MARKAL	hillelin				
50,0					_ لذخذ				
0.0					- <b>- - - - - - - - - -</b>				
.0.0									CF Ste
enter 2.504	4 GHz						ţ	Span 60 MHz	6.000000 Mi Auto Ma
otal Power	Ref 23.79	9 dBm / 15 l	MHz						Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freg (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	01
7.500 MHz	8.500 MHz	30.00 kHz		()		-53.39	(-43.39)	7.875 M ^	
8,500 MHz	12.50 MHz	1.000 MHz		()		-37.60	(-27.60)	8.780 M =	
12.50 MHz	22.50 MHz	1.000 MHz		()		-38.94	(-25.94)	16.35 M	
22.50 MHz	30.00 MHz	1.000 MHz		()		-39.12	(-14.12)	29.18 M	
7.500 MHz	30.00 MHz	220.0 kHz	-22.06	(-72.06)	-7.500 M		()		

# LTE41\_15 M\_BandEdge\_Upper\_Low\_2503.5 MHz\_QPSK\_1RB



	RF 50 Ω A <b>2.5930000</b>		Tr	sense:Int inter Freq: 2. ig: Free Run itten: 20 dB	593000000 GH	ALIGN A 2 00.00% of	Radio 20	1:20 PM Mar 15, 2024 Std: None Device: BTS	Frequency
10 d <u>B/div</u>	Ref Offset 30.7 Ref 30.0 dB		-					Heliative Limit	
20.0 10.0			44480		68666.				Center Fred 2.593000000 GH:
0.00									
20,0			• N					Absolute Limit	
40.0								Spectrum	
50,0			11111		LILLII.		_		
60.0 Center 2.59	3 CH2							Span 60 MHz	CF Step 6.000000 MH
Total Power			411-						<u>Auto</u> Mar
rotal Power	<b>Rel</b> 23.01	IdBm / 151	MHz	Lower		Peak ->	Upper		Freq Offse
Start Freq	Stop Freq	Integ BW	dBm	∆Lim(dB)	Freq (Hz)	dBm	∆Lim(dB)	Freq (Hz)	
7.500 MHz	8.500 MHz	300.0 kHz	-25.39	(-15.39)	-7.530 M	-25.53	(-15.53)	7.505 M 🔶	
8.500 MHz	12.50 MHz	1.000 MHz	-22.44	(-12.44)	-8.640 M	-22.78	(-12.78)	8.520 M ≡	
12.50 MHz	22.50 MHz	1.000 MHz	-27.11	(-14.11)	-12.60 M	-27.22	(-14.22)	12.60 M	
22.50 MHz 8.000 MHz	30.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-37.71	(-12.71) ()	-22.58 M	-38.33	(-13.33) ()	22.65 M	

### LTE41\_15 M\_BandEdge\_Mid\_2593MHz\_QPSK\_FullRB



RL	RF 50 Q A	C		SENSE:INT		ALIGN A	UTO 07:13	3:37 PM Mar 15, 2024	
Center Fred	q 2.6825000	00 GHz IFGain:Lo	Tr	ig: Free Run tten: 20 dB	682500000 GH Avg: 1	z 00.00% of	20	Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB							satisfican i meli	
- <b>0g</b> 20.0 10.0			8888	ለለለለለለለለ	44444				Center Free 2.682500000 GH
0.00 10.0						- i			
20.0		anna anna anna anna anna anna anna ann	1		5		www.	Absolute Limit	
40,0								Spectrum	
50.0 50.0									05.014
Center 2.68	3 GHz						ş	Span 60 MHz	CF Ste 6.000000 MH Auto Ma
Total Power	<b>Ref</b> 22.83	3 dBm / 15 l	MHz	Lower	~	Peak ->	Upper		Freq Offso
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	$\Delta Lim(dB)$	Freq (Hz)	
7.500 MHz	8.500 MHz	300.0 kHz	-24.99	(-14.99)	-7.500 M	-25.16	(-15.16)	7.545 M 🔶	
8.500 MHz	12.50 MHz	1.000 MHz	-22.25	(-12.25)	-8.520 M	-22.44	(-12.44)	8.520 M ≡	
12.50 MHz	22.50 MHz	1.000 MHz	-26.52	(-13.52)	-12.95 M	-26.89	(-13.89)	12.50 M	
22.50 MHz	30.00 MHz	1.000 MHz	-37.60	(-12.60)	-22.65 M	-38.35	(-13.35)	22.50 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		

# LTE41\_15 M\_BandEdge\_High\_2682.5 MHz\_QPSK\_FullRB



	RF 50 Q A		Tri	sense:INT inter Freq: 2. ig: Free Run itten: 20 dB	682500000 GH	ALIGN A 2 00.00% of	Radio 20	4:28 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB	78 dB							
og 0.0									Center Fre
0.0					A				2.682500000 GH
.00			_						
0,0									
0.0								Absolute Limit	
0.0					MIL	_			
0.0			1 Merchi	L. Khalak				Spectrum	
0.0					Maili A				
0.0									
0.0									CF Ste
enter 2.68	3 GHz						\$	Span 60 MHz	6.000000 Mi Auto Mi
otal Power	Ref 19.81	dBm / 15	MHz						Freq Offs
				Lower		Peak ->	Upper	-	01
Start Freq 7.500 MHz	Stop Freq	Integ BW	dBm	$\Delta \text{Lim}(dB)$	Freq (Hz)	dBm	$\Delta \text{Lim}(\text{dB})$	Freq (Hz)	
7.500 MHz 8.500 MHz	8.500 MHz 12.50 MHz	30.00 kHz 1.000 MHz	-53.18 -37.54	(-43.18) (-27.54)	-8.395 M -8.720 M	-32.80 -27.89	(-22.80) (-17.89)	7.510 M ▲ 8.500 M ≡	
12.50 MHz	22.50 MHz	1.000 MHz	-38.51	(-25.51)	-12.80 M	-36.75	(-23.75)	12.65 M	
22.50 MHz	30.00 MHz	1.000 MHz	-38.77	(-13.77)	-23.63 M	-38.58	(-13.58)	22.54 M	
8.000 MHz	12.50 MHz	1.000 MHz		()			()		

# LTE41\_15 M\_BandEdge\_High\_2682.5 MHz\_QPSK\_1RB



	RF 50 Q A		Tr	sense:INT enter Freq: 2. ig: Free Run tten: 20 dB	506000000 GH	ALIGN AU 2 00.00% of 2	Radio 20	5:27 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
- <b>og</b> 20.0 10.0								Addison (day 10 mm)	Center Fre 2.506000000 GH
0.00			prov	mmm	mm				
20.0									
30.0			4		the	mun	m		
40.0								Spectrum	
60.0									CF Ste
Center 2.500	ô GHz						\$	Span 80 MHz	8.000000 MH Auto Ma
Total Power	Ref 23.32 Stop Freq	2 dBm / 20 M	dBm	Lower ALim(dB)	< Freq (Hz)	Peak -> dBm	Upper ∆Lim(dB)	Freq (Hz)	Freq Offse 0 H
10.00 MHz	11.00 MHz	430.0 kHz	-24.87	(-11.87)	-10.00 M		()		
11.00 MHz	15.50 MHz	1.000 MHz	-22.68	(-9.68)	-11.09 M		()	E	
15.50 MHz	40.00 MHz	1.000 MHz	-27.52	(-2.52)	-15.50 M		()		
10.00 MHz 8.000 MHz	40.00 MHz 12.50 MHz	270.0 kHz 1.000 MHz		() ()		-24.49	(-74,49) ()	10.00 M	

# LTE41\_20 M\_BandEdge\_Lower\_Low\_2506MHz\_QPSK\_FullRB



	RF 50 Ω A		Tri	SENSE:INT nter Freq: 2. ig: Free Run tten: 20 dB	506000000 GH	ALIGN A IZ 100.00% of	Radio 20	6:57 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
.og								Helativa Linti	Center Fre
									2.506000000 GH
10,0			AAAA	AAAAAAAA	MAAAA				2.00000000000
0.00			NI Y I Y	AAAAAAA					
10,0									
20.0								Absolute Limit	
30.0			m		5	and the second second	nenne	Absolute Limit	
		www.www					- manual	Spectrum	
10,0	man								
50.0									
50.0									
									CF Ste
enter 2.500	6 GHz						5	Span 80 MHz	8.000000 Mł Auto Ma
otal Power	Ref 23.33	3 dBm / 20 1	MHz						
									Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freg (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	01
10.00 MHz	11.00 MHz	430.0 kHz		()		-23.15	(-13.15)	10.04 M	
11.00 MHz	15.00 MHz	1.000 MHz		()		-20.78	(-10.78)	11.06 M =	
15.00 MHz	30.00 MHz	1.000 MHz		()		-24.21	(-11.21)	15.30 M	
30.00 MHz	40.00 MHz	1.000 MHz		()		-37.43	(-12.43)	30.30 M	
10.00 MHz	40.00 MHz	270.0 kHz	-27.12	(-77.12)	-10.41 M		()		
G						6	TATUS		

# LTE41\_20 M\_BandEdge\_Upper\_Low\_2506MHz\_QPSK\_FullRB



	RF 50 Ω A <b>2.5060000</b>		Tr	sense:INT enter Freq: 2. ig: Free Run tten: 20 dB	50600000 GH	ALIGN AL 2 100.00% of	Radio 20	7:32 PM Mar 15, 2024 Std: None Device: BTS	Frequency
) dB/div	Ref Offset 30.3 Ref 30.0 dB								
pg			8					AssoluteLint	
0.0 0.a									Center Fre 2.506000000 GH
.00									
0,0									
0.0									
0.0									
0.0			1/11/44	det a					
			AITIL	MANNAN	mannin			Spectrum	
0,0									
0.0									
enter 2.50							ę	Span 80 MHz	CF Ste 8.000000 MH <u>Auto</u> Ma
otal Power	<b>Ref</b> 26.35	5 dBm / 20 f	MHz	Lower		Peak ->	Upper		Freq Offs
Start Freq	Stop Freq	Integ BW	dBm	$\Delta Lim(dB)$	Freq (Hz)	dBm	$\Delta Lim(dB)$	Freq (Hz)	
10.00 MHz	11.00 MHz	30.00 kHz	-33.46	(-20.46)	-10.02 M		()	-	
11.00 MHz	15.50 MHz	1.000 MHz	-28.90	(-15.90)	-11.05 M		()	=	
15.50 MHz 10.00 MHz	40.00 MHz 40.00 MHz	1.000 MHz 270.0 kHz	-37.14	(-12.14)	-15.50 M	-44.43	() (-94,43)	16.62 M	
8.000 MHz	40.00 MHz 12.50 MHz	1.000 MHz		() ()		-44,45	(-94,43)	10,02 1	

# LTE41\_20 M\_BandEdge\_Lower\_Low\_2506MHz\_QPSK\_1RB



	RF 50 Ω A		Tr	sense:INT enter Freq: 2. ig: Free Run atten: 20 dB	50600000 GH	ALIGN A z 100.00% of	Radio 20	B:02 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
og 20.0			1						Center Fre 2.506000000 GH
10,0 20,0								Absolute Limit	
80.0 10,0 50,0			/ <b>'</b> \\	Hobinson	·····			Spectrum	
enter 2.50	6 GHz							Span 80 MHz	CF Ste 8.000000 MH Auto Ma
otal Power	Ref 23.32 Stop Freq	2 dBm / 20 M	dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ∆Lim(dB)	Freq (Hz)	Freq Offso 0 H
10.00 MHz 11.00 MHz 15.00 MHz	11.00 MHz 15.00 MHz 30.00 MHz	30.00 kHz 1.000 MHz 1.000 MHz		() ()	-	-54.08 -38.97 -38.94	(-44.08) (-28.97) (-25.94)	10.93 M 11.10 M 16.58 M	
30.00 MHz 10.00 MHz	40.00 MHz 40.00 MHz	1.000 MHz 270.0 kHz	-22.55	() (-72.55)	-10.00 M	-38.99	(-13.99) ()	39.15 M	

# LTE41\_20 M\_BandEdge\_Upper\_Low\_2506MHz\_QPSK\_1RB



	RF 50 Ω A 2.5930000		Tri	SENSE:INT Inter Freq: 2.4 ig: Free Run tten: 20 dB	593000000 GH	ALIGN A 2 00.00% of	Radio 20	1:24 PM Mar 15, 2024 Std: None Device: BTS	Frequency
10 dB/div	Ref Offset 30.7 Ref 30.0 dB							1044064000- 11106	
20.0 10.0			0800	ותההחתההה	RNANA				Center Fred 2.593000000 GHz
0.00			-   	<u>МАММААМ</u>					
20.0 30.0		WWW.property water	1		-	- commence	With	Absolute Limit	
40.0								Spectrum	
60.0									CF Step
Center 2.59							ş	Span 80 MHz	8.000000 MHz <u>Auto</u> Mar
Total Power			MHz	Lower		Peak ->	Upper		Freq Offse
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	ΔLim(dB)	Freq (Hz)	
10.00 MHz	11.00 MHz	430.0 kHz	-25.01	(-15.01)	-10.01 M	-24.94	(-14.94)	10.04 M 🔶	
11.00 MHz	15.00 MHz	1.000 MHz	-23.13	(-13.13)	-11.14 M	-23.36	(-13.36)	11.06 M =	
15.00 MHz 30.00 MHz	30.00 MHz 40.00 MHz	1.000 MHz 1.000 MHz	-26.91 -38.05	(-13.91)	-15.00 M -30.10 M	-27.26	(-14.26)	15.08 M	
8.000 MHz	40.00 MHz 12.50 MHz	1.000 MHz	-38.05	(-13.05) ()	-30. TO M	-38.62	(-13.62) ()	30.00 M	
				· /			. /		

### LTE41\_20 M\_BandEdge\_Mid\_2593MHz\_QPSK\_FullRB



114	RF 50 Q A		Tr	sense:INT enter Freq: 2. ig: Free Run Atten: 20 dB	680000000 GH	ALIGN A Z 00.00% of	Radio 20	3:42 PM Mar 15, 2024 Std: None Device: BTS	Frequency
0 dB/div	Ref Offset 30.7 Ref 30.0 dB								
.og 20.0 10.0									Center Free 2.680000000 GH
10.0			1777	ዯዯዯዯዯኯ	*****				
20.0			2		5			Absolute Limit	
10,0 50.0								Spectrum	
50.0									CF Ster
enter 2.68	GHz						\$	Span 80 MHz	8.000000 MH Auto Ma
otal Power	Ref 22.84	dBm / 201	MHz	Lower	6	Peak ->	Upper		Freq Offse
Start Freq	Stop Freq	Integ BW	dBm	ΔLim(dB)	Freq (Hz)	dBm	ΔLim(dB)	Freq (Hz)	UT
10.00 MHz	11.00 MHz	430.0 kHz	-24.96	(-14.96)	-10.06 M	-24.87	(-14.87)	10.01 M 🔶	
11.00 MHz	15.00 MHz	1.000 MHz	-22.65	(-12.65)	-11.14 M	-22.74	(-12.74)	11.00 M ≡	
15.00 MHz	30.00 MHz	1.000 MHz	-26.69	(-13.69)	-15.00 M	-27.26	(-14.26)	15.08 M	
30.00 MHz 8.000 MHz	40.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-37.77	(-12.77) ()	-30.10 M	-38.46	(-13.46) ()	31.00 M	

# LTE41\_20 M\_BandEdge\_High\_2680 MHz\_QPSK\_FullRB



	RF 50 Ω A		Tr	SENSE:INT enter Freq: 2. rig: Free Run Atten: 20 dB	68000000 GH	ALIGN A 2 00.00% of	Radio 20	4:33 PM Mar 15, 2024 Std: None Device: BTS	Frequency
10 dB/div	Ref Offset 30.7 Ref 30.0 dB								
20.0 10.0									Center Free 2.680000000 GH
0.00								Absolute Limit	
30.0 40.0 50.0			]^		range 1			Spectrum	
60.0 Center 2.68	CH7		L.					Span 80 MHz	CF Ste 8.000000 MH
Total Power		7 dBm / 20	MHz						Auto Ma
Start Freq	Stop Freq	Integ BW	dBm	Lower ∆Lim(dB)	Freq (Hz)	Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)	Freq Offse 0 H
10.00 MHz	11.00 MHz	30.00 kHz	-53.50	(-43.50)	-10.57 M	-33.85	(-23.85)	10.00 M	
11.00 MHz	15.00 MHz	1.000 MHz	-38.53	(-28.53)	-11.58 M	-29.16	(-19.16)	11.06 M =	
15.00 MHz	30.00 MHz	1.000 MHz	-38.59	(-25.59)	-17.10 M	-36.72	(-23.72)	15.08 M	
30.00 MHz 8.000 MHz	40.00 MHz 12.50 MHz	1.000 MHz 1.000 MHz	-38.89	(-13.89) ()	-33.30 M	-38.72	(-13.72) ()	30.35 M	
ISG						c	TATUS		

# LTE41\_20 M\_BandEdge\_High\_2680 MHz\_QPSK\_1RB



Agilent Spectrum Analyzer - Occupied BW RL RF 50 Ω AC Center Freq 2.593000000 CASS	) GHz	SENSE:INT Center Freq: 2.59300 Trig: Free Run #Atten: 20 dB	ALIGN AUTO 00000 GHz Avg Hold: 500/500	02:29:20 PM Mar 18, 20 Radio Std: None Radio Device: BTS	24 Frequency
Ref Offset 26.8 d IO dB/div Ref 40.00 dBr		#Atten: 20 db		Radio Device. BTS	
30.0 20.0					Center Free 2.593000000 GH
10.0	A	how have have here here here here here here here he	harring		
000 ANOLMAN MMAN			JAJ	and month of	
					CF Ste 1.000000 MH
enter 2.593 GHz Res BW 100 kHz		#VBW 390 H	۲	Span 10 MH Sweep 1 m	
Occupied Bandwidt	th 5074 M	Total P <b>HZ</b>	ower 31.	0 dBm	Freq Offse 0 H
Transmit Freq Error x dB Bandwidth	19.735 5.197 M			9.00 % .00 dB	

### LTE41\_5 M\_OBW\_Mid Channel\_QPSK\_FullRB



RL RF 50 Ω AC Center Freq 2.59300000 PASS	0 GHz #IFGain:Low	Center Freq Trig: Free R #Atten: 20 d	: 2.5930000 un		GN AUTO	Radio Dev		Frequency
Ref Offset 26.8 d 10 dB/div Ref 40.00 dB								
30.0 20.0								Center Fred 2.593000000 GH:
10.0	mmm	mm	nmm	manshar				
-10.0 -20.0 -20.0					n nu	hathath	mann	
40.0								CF Step
Center 2.593 GHz #Res BW 100 kHz		#VBN	1 390 kH	z		Spa Sw	an 10 MHz eep 1 ms	1.000000 MH
Occupied Bandwid 4	<sup>th</sup> .5055 MI		otal Pov	wer	30.0	) dBm		Freq Offse 0 Ha
Transmit Freq Error x dB Bandwidth	9.849 H 5.655 N		dB Pov	ver		0.00 % 00 dB		
MSG					STATUS	10		

### LTE41\_5 M\_OBW\_Mid Channel\_16QAM\_FullRB



RL RF 50 Ω AC Center Freq 2.593000000 PASS	) GHz #IFGain:Low	. Trig: F	SENSE:INT r Freq: 2.59300 Free Run h: 20 dB	00000 GHz Avg Hold	ALIGN AUTO	02:29:05 PM Mar 18, 20 Radio Std: None Radio Device: BTS	Frequency
Ref Offset 26.8 d 10 dB/div Ref 40.00 dB							
20.0							Center Free 2.593000000 GH;
10.0	man	min	mmm	mon			
0.00 -10.0 -20.0 -30.0					- North	MMMM	- 
Center 2.593 GHz #Res BW 100 kHz		#	VBW 3901	kHz		Span 10 MH Sweep 1 m	CF Step 1.000000 MH Z Auto Mar S
Occupied Bandwid 4.	<sup>th</sup> .5083 MI	Hz	Total P	ower	29.0	) dBm	Freq Offset 0 Ha
Transmit Freq Error x dB Bandwidth	13.797 k 5.065 N		OBW P x dB	ower		9.00 % 00 dB	
ISG					STATU	S	

### LTE41\_5 M\_OBW\_Mid Channel\_64QAM\_FullRB



RL RF 50 Ω AC Center Freq 2.593000000 PASS	-+-	SENSE:INT Center Freq: 2.593000000 GHz Trig: Free Run Avg Hol #Atten: 20 dB	ALIGN AUTO 06:49:57 PM Mar Radio Std: Non d: 500/500 Radio Device: I	Frequency
Ref Offset 26.8 d Ref 40.00 dBr				
20.0				Center Free 2.593000000 GH
10.0	mannan	mm. Anna And anna	m	
10.0 20.0 30.0 40.0	/		- Contraction	n ha
50.0 Center 2.593 GHz #Res BW 100 kHz		#VBW 390 kHz	Span 10 Sweep	0 MHz 1 ms CF Step 1.000000 MH Mar
Occupied Bandwidt 4.	<sup>h</sup> 5087 MH:	Total Power	27.2 dBm	Freq Offse 0 H
Transmit Freq Error x dB Bandwidth	16.607 kH 5.143 MH		99.00 % -26.00 dB	
ISG			STATUS	

## LTE41\_5 M\_OBW\_Mid Channel\_256QAM\_FullRB



RL RF 50 Q AC Center Freq 2.593000000 PASS	) GHz #IFGain:Low				ALIGN AUTO	Radio Sto	PMMar 18, 2024 d: None vice: BTS	Frequency
Ref Offset 26.8 d Ref 40.00 dBr					_			
- <b>og</b> 30.0 20.0								Center Free 2.593000000 GH:
10.0	- donomination	hommon	ward	Marrie Marrie	r-m			
-10.0					hand hand			
20.0 20.0 30.0						monorment	hamlthe	
-40.0								CF Step
Center 2.593 GHz #Res BW 200 kHz		#VE	3W 820 k	Hz		Spa	an 20 MHz eep 1 ms	2.000000 MHz <u>Auto</u> Mar
Occupied Bandwid	<sup>th</sup> 9993 MI	Ηz	Total P	ower	31.0	) dBm		Freq Offset 0 Hz
Transmit Freq Error	9.657	Hz	OBW P	ower	99	0.00 %		
x dB Bandwidth	10.00 N	IHz	x dB		-26.00 dB			
ISG					STATU	S		

## LTE41\_10 M\_OBW\_Mid Channel\_QPSK\_FullRB



RL RF 50 Ω AC Center Freq 2.593000000 PASS	Trig	SENSE:INT A ter Freq: 2.593000000 GHz p: Free Run Avg Hold: ten: 20 dB	ALIGN AUTO 02:30:27 PM Mar 18, 2 Radio Std: None 500/500 Radio Device: BTS	Frequency
Ref Offset 26.8 dl 10 dB/div Ref 40.00 dBn				
30.0 20.0				Center Free 2.593000000 GH:
10.0	1 Martine	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	**m	
-10.0 -20.0 -30.0			han hall montal montal hours	
40.0 50.0				CF Step
Center 2.593 GHz #Res BW 200 kHz		#VBW 820 kHz	Span 20 MI Sweep 1 n	2.000000 MHz Hz Auto Mar Is
Occupied Bandwidt 9.	հ 0158 MHz	Total Power	29.9 dBm	Freq Offse 0 Ha
Transmit Freq Error x dB Bandwidth	27.722 kHz 10.29 MHz	OBW Power x dB	99.00 % -26.00 dB	
MSG			STATUS	

## LTE41\_10 M\_OBW\_Mid Channel\_16QAM\_FullRB



RL RF 50 Q AC Center Freq 2.593000000 PASS	O GHz #IFGain:Low	. Trig: I	SENSE:INT r Freq: 2.5930 Free Run h: 20 dB		500/500	Radio Std: Nor Radio Device:	ne	Frequency
Ref Offset 26.8 d 10 dB/div Ref 40.00 dBr								
30.0 20.0								Center Free 2.593000000 GH:
10.0	pohami	month	alse have and	n www.	m			
10.00	Å				4			
-20.0					M.AN	Mannanhutyrig	produced	
40.0 50.0 Center 2.593 GHz						Span 2	0 MHz	CF Stej 2.000000 MH Auto Ma
Res BW 200 kHz		#	VBW 820	kHz		Sweep		
Occupied Bandwid 9.	<sup>th</sup> 0227 MI	Ηz	Total F	ower	29.0	dBm		Freq Offset 0 Hz
Transmit Freq Error	1.687	Hz	OBW P	ower	99.00 %			
x dB Bandwidth	10.04 N	10.04 MHz			-26.00 dB			
ISG					STATUS	-		

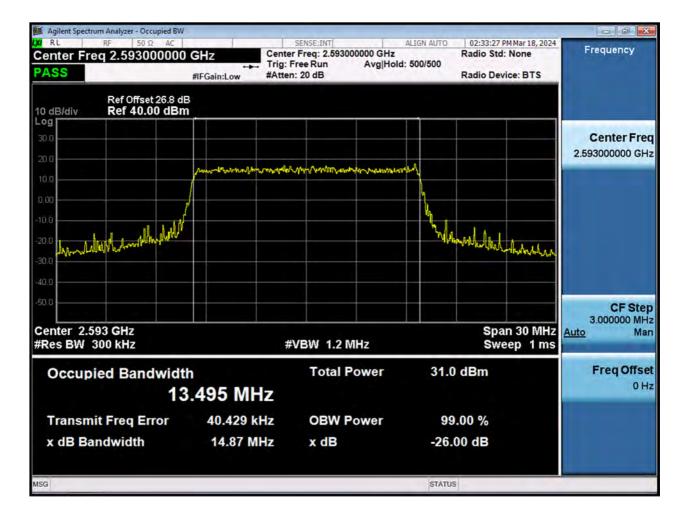
## LTE41\_10 M\_OBW\_Mid Channel\_64QAM\_FullRB



RL RF 50 Q AC Center Freq 2.59300000 PASS	0 GHz #FGain:Low	SENSE:INT Center Freq: 2.593000000 GH; Trig: Free Run Avg H #Atten: 20 dB		and the second second
Ref Offset 26.8 c Ref 40.00 dB				
20.0				Center Fre 2.593000000 GH
10.0	manne	hay a demander of the market of the second		
10.0 20.0 30.0 MM A AM M			Jak Marmal	which
50.0 Center 2.593 GHz #Res BW 200 kHz		#VBW 820 kHz	Spar	CF Ste 2.000000 MH 20 MHz ep 1 ms
Occupied Bandwid 8	<sup>th</sup> .9762 M	Total Power HZ	27.1 dBm	Freq Offse 0 H
Transmit Freq Error x dB Bandwidth	39.535 10.25 M		99.00 % -26.00 dB	
NSG			STATUS	

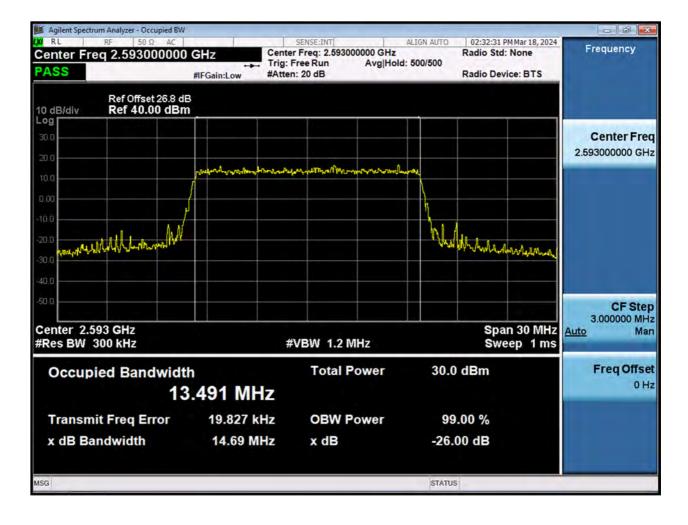
## LTE41\_10 M\_OBW\_Mid Channel\_256QAM\_FullRB





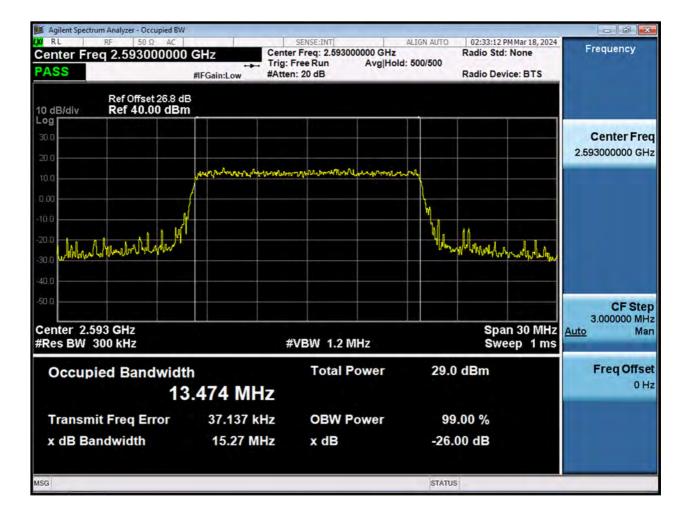
## LTE41\_15 M\_OBW\_Mid Channel\_QPSK\_FullRB





## LTE41\_15 M\_OBW\_Mid Channel\_16QAM\_FullRB





## LTE41\_15 M\_OBW\_Mid Channel\_64QAM\_FullRB



RL RF 50 Q AC Center Freq 2.593000000 PASS	0 GHz #IFGain:Low	. Trig: F	SENSE:INT r Freq: 2.59300 Free Run h: 20 dB		ALIGN AUTO	Radio Std: Radio Dev		Frequency
Ref Offset 26.8 c 10 dB/div Ref 40.00 dB								
30.0 20.0								Center Fred 2.593000000 GH
10.0	montunes	mutherin	hyphterspherese	m religion of	*~~ 			
-10.0 -20.0 -30.0 Hall Hall Hall Hall Hall Hall Hall Hal						Manh		
-50.0 Center 2.593 GHz #Res BW 300 kHz		#	VBW 1.2 M	1Hz		Spa Swe	n 30 MHz ep 1 ms	CF Step 3.000000 MH: <u>Auto</u> Mar
Occupied Bandwid	<sup>th</sup> 3.480 MI	Hz	Total P	ower	26.9 dBm			Freq Offset 0 Hz
Transmit Freq Error x dB Bandwidth	23.706 I 15.20 M		OBW P x dB	ower		9.00 % .00 dB		
ASG					STATU	s		

## LTE41\_15 M\_OBW\_Mid Channel\_256QAM\_FullRB



RL RF 50 Ω AC Center Freq 2.593000000 PASS	<b>GHz</b> #IFGain:Low	SENSE:INT Center Freq: 2.593000000 G Trig: Free Run Avg #Atten: 20 dB	ALIGN AUTO Hz Hold: 500/500	02:35:31 PMMar 18, 2024 Radio Std: None Radio Device: BTS	Frequency
Ref Offset 26.8 d Ref 40.00 dBr					
- <b>og</b> 30.0 20.0					Center Free 2.593000000 GH;
10.0	Jarmannen	Wester Marson Marson Station and Strate			
-10.0	, ,		Man	that the market and	
20.0 30.0 40.0				and the second determined	
50.0					CF Step 4.000000 MHz
Center 2.593 GHz #Res BW 390 kHz		#VBW 1.6 MHz		Span 40 MHz Sweep 1 ms	Auto Mar
Occupied Bandwidt	h 7.982 MI	Total Power	31.0	) dBm	Freq Offset 0 Hz
Transmit Freq Error	54.932 k	Hz OBW Power	99	0.00 %	
x dB Bandwidth	19.56 M	IHz x dB	-26.	00 dB	
ISG			STATU	S	

## LTE41\_20 M\_OBW\_Mid Channel\_QPSK\_FullRB



RL RF 50 Q AC Center Freq 2.593000000 PASS	) GHz #IFGain:Low	Center	Freq: 2.59300 ree Run : 20 dB		IGN AUTO	02:34:34 1 Radio Std Radio Dev		Frequency
Ref Offset 26.8 c					_			
20.0								Center Fred 2.593000000 GH;
10.0	polumbellionin	otherwork	allowenderse	Anna Layon	~			
0.00 -10.0 -20.0 -30.0	<u>/</u>				have	hanthand	nonfrancia	
40.0								CF Ster 4.000000 MH
Center 2.593 GHz #Res BW 390 kHz		#\	/BW 1.6 N	ЛНz			eep 1 ms	<u>Auto</u> Mar
Occupied Bandwid	<sup>th</sup> 7.991 MI	Hz	Total P	ower	30.2 dBm			Freq Offset 0 Hz
Transmit Freq Error x dB Bandwidth	59.378 I 19.57 N		OBW P x dB	ower		99.00 % -26.00 dB		
MSG					STATU	6		

## LTE41\_20 M\_OBW\_Mid Channel\_16QAM\_FullRB



RL RF 50 Ω AC Center Freq 2.59300000 PASS	0 GHz #IFGain:Low				IGN AUTO 00/500	Radio Sto	PMMar 18, 2024 d: None vice: BTS	Frequency
Ref Offset 26.8 ( 10 dB/div Ref 40.00 dB			_					
30.0 20.0								Center Free 2.593000000 GH
10.0	poloungeneration	marchallowstates	manan	whenneward	1			
-10.0	, <b>/</b>				ly.			
20.0 30.0 Januar Maring M 10.0					*WWP	nollowahara	alundandana	
40.0 50.0								CF Step 4.000000 MH
Center 2.593 GHz #Res BW 390 kHz		#V	BW 1.6 N	IHz		Sw	an 40 MHz eep 1 ms	<u>Auto</u> Mar
Occupied Bandwid	<sup>th</sup> 7.941 MI	Ηz	Total P	ower	29.3 dBm 99.00 %			Freq Offset 0 Hz
Transmit Freq Error	45.547	Hz	OBW P	ower				
x dB Bandwidth	19.62 N	IHz	x dB		-26.00 dB			
ISG					STATU	10		

## LTE41\_20 M\_OBW\_Mid Channel\_64QAM\_FullRB



RL RF 50 Ω AC Center Freq 2.593000000 PASS	) GHz #IFGain:Low	Center Trig: F	SENSE:INT Freq: 2.59300 Free Run 1: 20 dB		ALIGN AUTO 500/500	Radio Std: Radio Dev		Frequency
Ref Offset 26.8 d 10 dB/div Ref 40.00 dBr								
20.0								Center Fred 2.593000000 GH;
10.0	Mumer low pour	mutuh	romalisant	ahmetamata				
20.0	/				Y Na			
30.0 Artyl-hallellardelandel W					- Yhu	Menselmy	milliternin	
50.0 Center 2.593 GHz						Sna	o 40 MHz	CF Step 4.000000 MHz Auto Mar
#Res BW 390 kHz		#	VBW 1.6 MHz				Span 40 MHz Auto Sweep 1 ms	
Occupied Bandwid	<sup>th</sup> 7.963 MI	Hz	Total P	ower	27.3	2 dBm		Freq Offset 0 Hz
Transmit Freq Error	57.809	kHz	OBW P	ower	99	0.00 %		
x dB Bandwidth	20.78 N	<b>/Hz</b>	x dB		-26.	00 dB		
ISG					STATU	s		

## LTE41\_20 M\_OBW\_Mid Channel\_256QAM\_FullRB



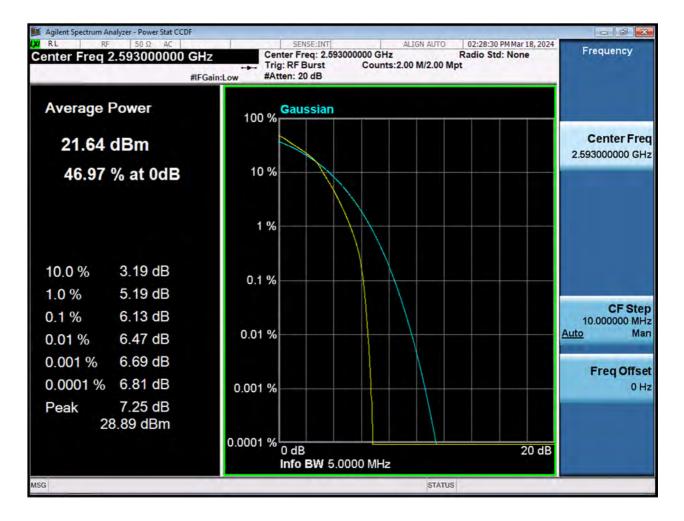




### LTE41\_5 M\_PAR\_Mid Channel\_QPSK\_FullRB







LTE41\_5 M\_PAR\_Mid Channel\_16QAM\_FullRB







LTE41\_5 M\_PAR\_Mid Channel\_64QAM\_FullRB







LTE41\_5 M\_PAR\_Mid Channel\_256QAM\_FullRB

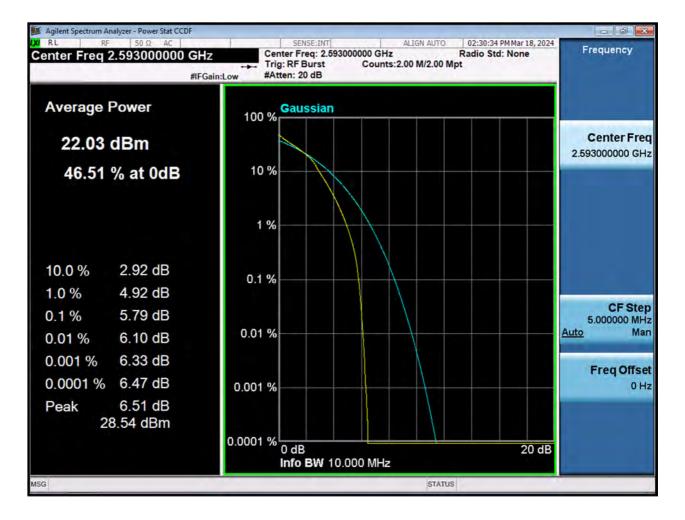






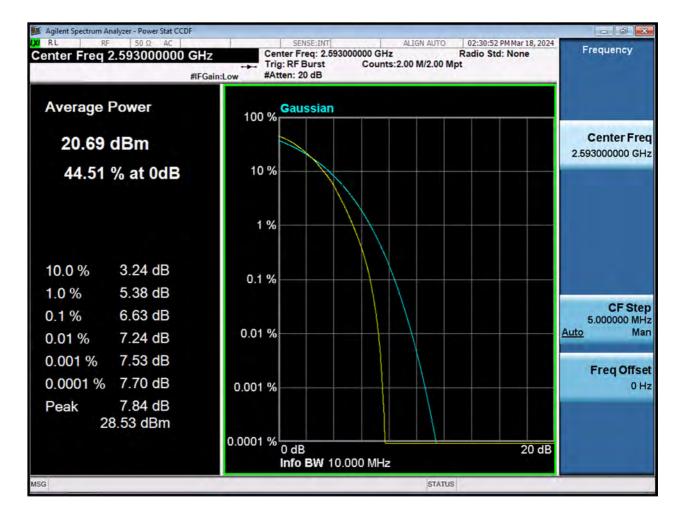
## LTE41\_10 M\_PAR\_Mid Channel\_QPSK\_FullRB





### LTE41\_10 M\_PAR\_Mid Channel\_16QAM\_FullRB





### LTE41\_10 M\_PAR\_Mid Channel\_64QAM\_FullRB







### LTE41\_10 M\_PAR\_Mid Channel\_256QAM\_FullRB







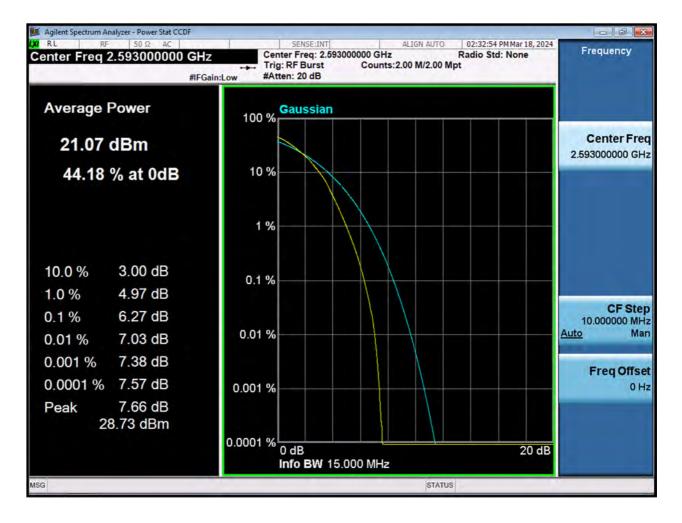
### LTE41\_15 M\_PAR\_Mid Channel\_QPSK\_FullRB





### LTE41\_15 M\_PAR\_Mid Channel\_16QAM\_FullRB





### LTE41\_15 M\_PAR\_Mid Channel\_64QAM\_FullRB







### LTE41\_15 M\_PAR\_Mid Channel\_256QAM\_FullRB

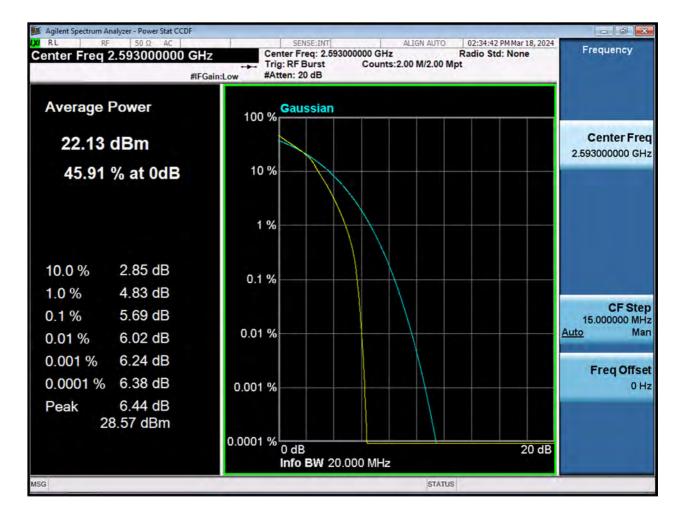






LTE41\_20 M\_PAR\_Mid Channel\_QPSK\_FullRB

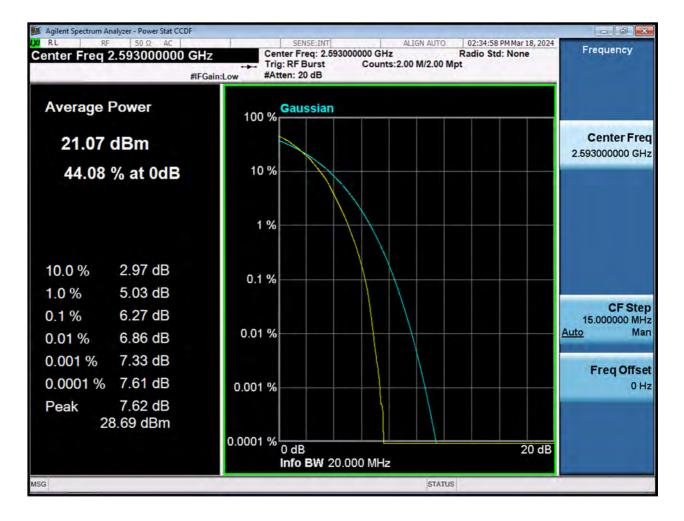




### LTE41\_20 M\_PAR\_Mid Channel\_16QAM\_FullRB







### LTE41\_20 M\_PAR\_Mid Channel\_64QAM\_FullRB







### LTE41\_20 M\_PAR\_Mid Channel\_256QAM\_FullRB



Agilent Spectrum Analyzer - Swept SA					- 6 ×
Center Freq 5.01500000	0 GHz PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	06:47:52 PM Mar 15, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dBm	IFGam:Low	WAREH. 20 GD	М	kr1 3.704 4 GHz -66.309 dBm	Auto Tune
	) <sup>2</sup>				Center Fre 5.015000000 GH
40.0 50.0					Start Fre 30.000000 MH
50 0 70 0 30,0				RMS	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBV	V 3.0 MHz	Sweep 1	Stop 10.000 GHz 7.33 ms (20001 pts)	CF Ste 997.000000 MH Auto Ma
2 N 1 F 2 3 4 5 5 6 7 8 9 9 10	8.704 4 GHz 2.497 1 GHz	Y -66.309 dBm -6.387 dBm	FUNCTION FUNCTION WIDT	H FUNCTION VALUE	Freq Offse 0 H
1 G		m	STAT	us t	

# LTE41\_5 M\_CSE(30 M-10 G)\_Lowest Channel



Agilent Spectrum Analyzer - Swept SA					- 6 ×
RL RF 50 Q AC Center Freq 5.015000000	OGHZ PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	06:51:28 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
0 dB/div Ref 10.00 dBm	Auto Tune				
-og 0.00 10.0 20.0	¢ <sup>2</sup>				Center Free 5.015000000 GH
-40.0					Start Free 30.000000 MH
-60.0 -70.0 -60.0				RMS	Stop Free 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz MKR MODE TRCI SCLI X	#VBI	№ 3.0 MHz Y	Sweep 17	Stop 10.000 GHz 7.33 ms (20001 pts)	CF Step 997.000000 MH Auto Ma
1 N 1 f 3	.711 4 GHz .591 3 GHz	-67.069 dBm -6.671 dBm	Forcion Porcion with	FONCTION VALUE	Freq Offse 0 H
(ISG		m	STATU	s ,	

# LTE41\_5 M\_CSE(30 M-10 G)\_Mid Channel



X RL RF 50 Ω AC							
Center Freq 5.0150000		Trig: Free Run #Atten: 20 dB		ALIGN AUTO	06:54:28 PM Ma TRACE TYPE DET A		Frequency
10 dB/div Ref 10.00 dBn				Mk	r1 3.707 9 -67.246	GHz dBm	Auto Tune
Log 0.00 -10.0	\$ <mark>2</mark>						Center Free 5.015000000 GH
-30 0 -40 0 -50 0							Start Free 30.000000 MH
60 0 70 0 80,0	1	1				RMS	Stop Fre 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz		W 3.0 MHz			Stop 10.00 .33 ms (2000	1 pts)	CF Stej 997.000000 MH Auto Ma
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 4 5 6 6 7 8 8 9 9 10 11 0 11 0	X 3.707 9 GHz 2.690 5 GHz	¥ -67.246 dBm -8.334 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VA		Freq Offse 0 H
< I ISG		m		STATUS			

# LTE41\_5 M\_CSE(30 M-10 G)\_Highest Channel



MKT 3.702 4 GH2 -67.120 dBm -67.120 dBm -67.120 dBm -67.120 dBm -65.01500000 GH Start Fre 30.000000 MH2 -5.01500000 GH2 Start 30 MH2 -5.01500000 GH2 -5.01500000 GH2 -5.015000000 GH2 -5.01500000 GH2 -5.015000000 GH2 -5.015000000 GH2 -5.015000000 GH2 -5.01500000000 -5.015000000000000000 -5.0150000000000000000000000000000000000	Agilent Spectrum Analyzer - Swept SA					and the second	
Mkr1         3.702         4 GHz           0 dB/div         Ref 10.00 dBm         -67.120 dBm         Center Fre           0 dB/div         Q2         <		PNO: Fast	Trig: Free Run			TRACE 1 2 3 4	5 0 Frequency
0.00       0.02       0.02       0.00	10 dB/div Ref 10.00 dBn				MI	r1 3.702 4 GF -67.120 dB	iz Auto Tune m
300 400 500 500 500 500 500 500 5	-10.0	\$ <sup>2</sup>					Center Free 5.015000000 GH
70 0       Stop Free         80.0       Start 30 MHz         Start 30 MHz       #VBW 3.0 MHz         Start 30 MHz       Stop 10.000 GHz         997.000000 MHz       Stop 10.000 GHz         10 N 1       f         2 N 1       f         2 N 1       f         3 4       -         4       -         5       -         6       -         7       -         8       -         9       -         10       -         11       -         10       -         11       -         10       -         11       -         10       -         11       -         10       -         11       -         10       - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Start Free 30.000000 MH</td></t<>							Start Free 30.000000 MH
#Res BW 1.0 MHz     #VBW 3.0 MHz     Sweep     17.33 ms (20001 pts)     997.000000 MHAto       MKR MODE TRC SCL     X     Y     FUNCTION     FUNCTION VALUE     Auto       1     N     1     f     3.702 4 GHz     -67.120 dBm     Function Value     Freq Offset       2     N     1     f     2.497 1 GHz     -5809 dBm     Freq Offset     OH       3     -     -     -     -     -     -     -       4     -     -     -     -     -     -     -       5     -     -     -     -     -     -     -       6     -     -     -     -     -     -     -       9     -     -     -     -     -     -     -       10     -     -     -     -     -     -     -       11     -     -     -     -     -     -     -     -	-60.0	-	1				Stop Free 10.000000000 GH
MKR     MODE     TRC     SCL     X     Y     FUNCTION     FUNCTION WIDTH     FUNCTION VALUE       1     N     1     f     3.702 4 GHz     -67.120 dBm     -6	Res BW 1.0 MHz					.33 ms (20001 p	(S) 997.000000 MH
	1         N         1         f           2         N         1         f           3         4         5         5           6         6         7         7           8         9         9         9           10         10         10         10	3.702 4 GHz	-67.120 dBm	FUNCTION	FUNCTION WDTH	FUNCTION VALUE	Freq Offse
	< Isg		m		STATUS		

# LTE41\_10 M\_CSE(30 M-10 G)\_Lowest Channel



Agilent Spectrum Analyzer - Swept SA					- 6 ×
ช RL RF 50 Q AC Center Freq 5.01500000	0 GHz PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	07:01:34 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dBm	IF Gall.LOW		M	r1 3.705 9 GHz -67.062 dBm	Auto Tune
-09 0.00 10.0 20.0	\$ <sup>2</sup>				Center Fre 5.015000000 GH
30 0 40 0 50 0					Start Free 30.000000 MH
60.0 -70.0 -80.0				RMS	Stop Free 10.000000000 GH
Start 30 MHz Res BW 1.0 MHz		V 3.0 MHz	Sweep 17	Stop 10.000 GHz 33 ms (20001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f	3.705 9 GHz 2.589 3 GHz	-67.062 dBm -7.109 dBm	PONCTION	E	Freq Offse 0 H
SG		III	STATU	5	

# LTE41\_10 M\_CSE(30 M-10 G)\_Mid Channel



Agilent Spectrum Analyzer - Swept SA						- 6 ×
ଝୁ RL   ଅନ୍   50 ହୁ AC Center Freq 5.015000000	OGHZ PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	#Avg	ALIGN AUTO 3 Type: RMS	07:04:36 PM Mar 15, 2024 TRACE 2 3 4 5 0 TYPE A WAYNAW DET A A A A A A	Frequency
0 dB/div Ref 10.00 dBm				Mk	r1 3.672 0 GHz -66.916 dBm	Auto Tune
20.0	\$ <sup>2</sup>					Center Free 5.015000000 GH
30 0 40 0 50 0						Start Free 30.000000 MH
60 0 70 0 80 0	^1				RMS	Stop Fre 10.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VB\	V 3.0 MHz			Stop 10.000 GHz 33 ms (20001 pts)	CF Ste 997.000000 MH Auto Ma
	.672 0 GHz .690 0 GHz	¥ -66.916 dBm -8.108 dBm	FUNCTION	, FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H
sg		m		STATUS		

# LTE41\_10 M\_CSE(30 M-10 G)\_Highest Channel



Agilent Spectrum Analyzer - Swept SA						
ୁ RL   RF   50 ହ ଲ Center Freq 5.0150000		Trig: Free Run #Atten: 20 dB	#Avg Type:	RMS TRA	PM Mar 15, 2024 CE 1 2 3 4 5 0 PE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dBr				Mkr1 3.70 -66.8	2 4 GHz 50 dBm	Auto Tune
0.00 10.0 20.0	¢ <sup>2</sup>					Center Free 5.015000000 GH
40.0						Start Fre 30.000000 MH
60 0 70 0 80,0		1			RMS	Stop Fre 10.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VB	W 3.0 MHz	Sw	Stop 10 eep 17.33 ms (2		CF Ste 997.000000 MH Auto Ma
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3	X 3.702 4 GHz 2.497 6 GHz	Ƴ -66.850 dBm -8.504 dBm	FUNCTION FUNCT	ION WIDTH FUNCT	ION VALUE	Freq Offse 0 H
10 <b>11</b>		III		STATUS	- 7	-

# LTE41\_15 M\_CSE(30 M-10 G)\_Lowest Channel



Agilent Spectrum Analyzer - Swept SA					And the second second	- 6 ×
Center Freq 5.015000000	) GHz PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB		ALIGN AUTO Type: RMS	07:11:41 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dBm	I Guilleow			Mk	r1 3.706 9 GHz -66.846 dBm	Auto Tune
-og 0.00 	¢ <sup>2</sup>					Center Free 5.015000000 GH
40.0						Start Free 30.000000 MH
60 0 70 0 80,0					RMS	Stop Fre 10.000000000 GH
Start 30 MHz ¢Res BW 1.0 MHz	#VBV	V 3.0 MHz		Sweep 17	Stop 10.000 GHz .33 ms (20001 pts)	CF Ste 997.000000 MH Auto Ma
MKR MODE TRC SCL X  1 N 1 f 3 2 N 1 f 3 3 4 4 5 5 5 6 6 7 7 8 8 9 9 9 10 11	.706 9 GHz .586 8 GHz	Y -66.846 dBm -7.620 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H
sg		m		STATUS	•	

## LTE41\_15 M\_CSE(30 M-10 G)\_Mid Channel



Agilent Spectrum Analyzer - Swept SA						- 6 ×
Center Freq 5.0150000		Trig: Free Run #Atten: 20 dB	#Avg	ALIGN AUTO g Type: RMS	07:14:42 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dB				Mk	r1 3.690 5 GHz -67.129 dBm	Auto Tune
-og 0.00 10.0 20.0						Center Fred 5.015000000 GH
40 0						Start Free 30.000000 MH
60.0 70.0 80.0		1		~~~~~	FMS	Stop Free 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VB	W 3.0 MHz		Sweep 17	Stop 10.000 GHz .33 ms (20001 pts)	CF Ster 997.000000 MH Auto Ma
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 4 5 6 5 7 5 8 5 9 5 10 1 11 5 10 1 10 10 1 10	X 3.690 5 GHz 2.690 0 GHz	Y -67.129 dBm -9.502 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 Hi
sg		m		STATUS	, *	

## LTE41\_15 M\_CSE(30 M-10 G)\_Highest Channel



Mikr 1 3.098 0 GHz         Center Fr           10 dB/div         Ref 10.00 dBm         -67.387 dBm           00 dB/div         Ref 10.00 dBm         -67.387 dBm           1 N 1 f         3.698 0 GHz         -67.387 dBm           2 N 1 f         2.497 6 GHz         -7.865 dBm	Agilent Spectrum Analyzer - Swept						
Mkr1 3.698 0 GHz -67.387 dBm         Auto Tu           0 dB/div         Ref 10.00 dBm         -67.387 dBm         Center Fr           0 d         2         2         2         2         Center Fr           0 d         2         1         2         2         Center Fr           30.00000 M         30.0000 M         30.0000 M         30.0000 M         Start Fr         30.00000 M           500         5         5         5         5         5         5         5           600         4         4         4         4         4         4         4         4         4           600         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5		0000 GHz PNO: Fast +	Trig: Free Run			RACE 1 2 3 4 5 0 TYPE A WWWW	Frequency
000       0000       000       000	10 dB/div Ref 10.00 d				Mkr1 3.6 -67.	98 0 GHz .387 dBm	Auto Tun
40 0       50 0	0.00	<sup>2</sup>					Center Fre 5.015000000 GH
70 0       Stop Fr         80.0       Stop I0.000 GHz         Start 30 MHz       Stop 10.000 GHz         FRes BW 1.0 MHz       #VBW 3.0 MHz         Sweep 17.33 ms (20001 pts)       997.000000 M         MKR MODE TRC SCL       X         Y       FUNCTION         1       1         1       1	40.0						Start Fre 30.000000 M⊦
KRR         MODE         TRC         Scl         X         Y         FUNCTION         FUNCTION WIDTH         FUNCTION VALUE         997.000000 M           N         1         f         3.698 0 GHz         -67.387 dBm         997.000000 M         Auto         Muto	70.0	X	1			RMS	Stop Fre 10.00000000 GF
MKR         MCDE         TRC         SCL         X         Y         FUNCTION         FUNCTION WIDTH         FUNCTION VALUE         FUNCTION VALUE <td>Res BW 1.0 MHz</td> <td>#VB</td> <td>W 3.0 MHz</td> <td></td> <td>eep 17.33 ms</td> <td>(20001 pts)</td> <td>CF Ste 997.000000 MH Auto Ma</td>	Res BW 1.0 MHz	#VB	W 3.0 MHz		eep 17.33 ms	(20001 pts)	CF Ste 997.000000 MH Auto Ma
e m transformer e construction e con	1         N         1         f           2         N         1         f           3         -         -         -           4         -         -         -           5         -         -         -           6         -         -         -           7         -         -         -           8         -         -         -           9         -         -         -           10         -         -         -	3.698 0 GHz	-67.387 dBm	FUNCTION FUNC	TION WIDTH FUN	E E	Freq Offse 0 H
SG STATUS			m		CTATIC		

## LTE41\_20 M\_CSE(30 M-10 G)\_Lowest Channel



Agilent Spectrum Analyzer - Swept SA					1	
Center Freq 5.015000000	OGHZ PNO: Fast ↔	Trig: Free Run #Atten: 20 dB	#Avg Typ	ALIGN AUTO	07:21:47 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
IO dB/div Ref 10.00 dBm	I GUILLEON			Mk	r1 3.685 5 GHz -67.034 dBm	Auto Tune
0.00 10.0 20.0	<sup>2</sup>					Center Fre 5.015000000 GH
40.0 50.0						Start Free 30.000000 MH
-60.0 -70.0 -80.0				-	RMS	Stop Free 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBN	A/ 3.0 MHz	the second s	weep 17.	Stop 10.000 GHz 33 ms (20001 pts)	CF Ste 997.000000 MH Auto Ma
1 N 1 f 3	.685 5 GHz .584 8 GHz	-67.034 dBm -7.631 dBm	FUNCTION			Freq Offse 0 H
sg		m		STATUS	,	

## LTE41\_20 M\_CSE(30 M-10 G)\_Mid Channel



Agilent Spectrum Analyzer - Swept SA					1.7.7.17.17.14.14.17.7	- 6 ×
RL RF 50 Q AC Center Freq 5.015000000	PNO: Fast -	Trig: Free Run #Atten: 20 dB	#Avg	ALIGN AUTO Type: RMS	07:24:47 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dBm	I Guilleon			Mk	r1 3.719 4 GHz -67.258 dBm	Auto Tune
-og 0.00 10.0 20.0	¢ <sup>2</sup>					Center Free 5.015000000 GH
30 0 40.0 50.0						Start Free 30.000000 MH
-60.0 -70.0 -80.0				· · · · ·	RMS	Stop Fred 10.000000000 GH:
Start 30 MHz #Res BW 1.0 MHz	#VB	W 3.0 MHz		the second se	Stop 10.000 GHz .33 ms (20001 pts)	CF Step 997.000000 MH Auto Ma
MKR MODE TRC SCL X 1 N 1 f 33 2 N 1 f 23 3 4 4 5 6 6 7 8 9 9 9 10	.719 4 GHz .689 5 GHz	¥ -67.258 dBm -8.337 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H
SG		m		STATUS	•	

## LTE41\_20 M\_CSE(30 M-10 G)\_Highest Channel



Agilent Spectrum Analyzer - Swept SA					- 6 ×
Center Freq 18.5000000	DOO GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	06:48:08 PM Mar 15, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 dBn	IFGain:High	#Atten: 0 dB	Mkr	1 26.183 6 GHz -76.195 dBm	Auto Tune
-30.0					Center Freq 18.500000000 GHz
-50.0					Start Fred 10.000000000 GHz
-60.0					Stop Freq 27.000000000 GHz
80.0				RMS	CF Step 1.700000000 GH2 <u>Auto</u> Mar
-100					Freq Offse 0 H;
-110 Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Swoop 42	Stop 27.000 GHz .67 ms (40000 pts)	
	#4044	5.0 WITZ	Sweep 42		

## LTE41\_5 M\_CSE(Above10 G)\_Lowest Channel



			and the second second second			um Analyzer - Swept SA	
Frequency	PM Mar 15, 2024 CE 1 2 3 4 5 0 PE A A A A A A A	TRA	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	O GHz PNO: Fast ↔ IFGain:High	RF 50 Q AC eq 18.500000000	Center F
Auto Tune	21 0 GHz 316 dBm	1 25.82 -76.3	Mkr		in Gamangi	Ref -20.00 dBm	10 dB/div
Center Freq 18.50000000 GHz							-30.0
Start Freq 10.000000000 GHz							-40.0
Stop Freq 27.000000000 GHz							-60.0
CF Step 1.700000000 GHz <u>Auto</u> Mar	RMS	~~~					-80.0
Freq Offset 0 Hz							-100
	7.000 GHz	Stop 2	Sweep 42	.0 MHz	#\/B\A		Start 10.0
	neover pris)		SWCCP 42		<i></i>		ISG

## LTE41\_5 M\_CSE(Above10 G)\_Mid Channel



Agilent Spectrum Analyzer - Swept SA					- # ×
RL RF 50 Q AC Center Freq 18.5000000	DOO GHz PNO: Fast	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	06:54:45 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBn	IFGain:High	#Atten: 0 dB	Mkr	1 26.185 7 GHz -76.408 dBm	Auto Tune
-30.0					Center Freq 18.500000000 GHz
-40.0					Start Fred 10.000000000 GHz
60.0					Stop Fred 27.00000000 GHz
80.0					CF Step 1.700000000 GHz <u>Auto</u> Mar
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Sween 42	Stop 27.000 GHz 2.67 ms (40000 pts)	
MSG	WA DAA		SWCCP 42		

## LTE41\_5 M\_CSE(Above10 G)\_Highest Channel



Agilent Spectrum Analyzer - Swept SA					- 6 ×
M RL   RF   50 ହ AC Center Freq 18.500000(		- Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	06:58:18 PM Mar 15, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 dBn			Mki	1 26.126 6 GHz -76.125 dBm	Auto Tune
-30,0					Center Freq 18.500000000 GHz
-50.0					Start Freq 10.000000000 GHz
-60.0				1	Stop Freq 27.000000000 GHz
-80.0				FINS	CF Step 1.700000000 GHz Auto Mar
-100					Freq Offse 0 H;
-110 Start 10.000 GHz #Res BW 1.0 MHz	#\/B\A	/ 3.0 MHz	Sween 42	Stop 27.000 GHz 2.67 ms (40000 pts)	
MSG		-575 WII 12	SWEED 4		

## LTE41\_10 M\_CSE(Above10 G)\_Lowest Channel



Agilent Spectrum Analyzer - Swept SA					- 6 ×
RL RF 50 Q AC Center Freq 18.50000000	PNO: Fast +>	. Trig: Free Run	#Avg Type: RMS	07:01:51 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High	#Atten: 0 dB	Mkr	1 26.123 2 GHz -76.015 dBm	Auto Tune
30,0					Center Fred 18.500000000 GH
40.0 50.0					Start Free 10.000000000 GH
70.0					Stop Free 27.000000000 GH
80.0				CHARACTER CONTRACTOR	CF Step 1.700000000 GH <u>Auto</u> Ma
100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	4) (DM	/ 3.0 MHz	Success	Stop 27.000 GHz	
	#VBV	7.5.0 WINZ	Sweep 42	.67 ms (40000 pts)	

## LTE41\_10 M\_CSE(Above10 G)\_Mid Channel



Agilent Spectrum Analyzer - Swept S/			16	Land Contraction	- 6 ×
ଅ RL RF 50 ହ Center Freq 18.500000	AC DOOO GHz PNO: Fast ↔ IFGain:High	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:04:52 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dE			Mki	1 26.163 2 GHz -76.422 dBm	Auto Tune
-30.0					Center Freq 18.50000000 GHz
-40.0					Start Freq 10.000000000 GHz
-60.0					Stop Freq 27.000000000 GHz
-80.0			-	RMS	CF Step 1.700000000 GHz <u>Auto</u> Mar
-100					Freq Offse 0 H;
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\A	7 3.0 MHz	Sween 4	Stop 27.000 GHz 2.67 ms (40000 pts)	
MSG	#V DV	5.0 10112	Sweep 42		

## LTE41\_10 M\_CSE(Above10 G)\_Highest Channel



🦉 Agilent Spectrum Analyzer - Swept SA				and the second second	
X RL RF 50 ହ ଲ Center Freq 18.500000		. Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:08:26 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 dBi			Mki	1 26.144 5 GHz -76.192 dBm	Auto Tune
-30.0					Center Freq 18.500000000 GHz
-40.0					Start Freq 10.000000000 GHz
-60.0				1	Stop Freq 27.000000000 GHz
-80.0	-		m	RMS	CF Step 1.700000000 GHz <u>Auto</u> Mar
-100					Freq Offset 0 Ha
Start 10.000 GHz				Stop 27.000 GHz	
#Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 42	2.67 ms (40000 pts)	

## LTE41\_15 M\_CSE(Above10 G)\_Lowest Channel



Agilent Spectrum Analyzer - Swept SA				Transfer to the second second	- 6 ×
RL RF 50 Q AC Center Freq 18.50000000	PNO: Fast	ig: Free Run	ALIGN AUTO #Avg Type: RMS	07:11:58 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 dBm	i sannigh		Mkr	1 26.168 7 GHz -76.130 dBm	Auto Tune
-30.0					Center Freq 18.50000000 GHz
-40.0					Start Fred 10.000000000 GHz
-60.0					Stop Fred 27.00000000 GHz
-80.0			-	RMS RMS	CF Step 1.700000000 GHz <u>Auto</u> Man
-100					Freq Offset 0 Ha
Start 10.000 GHz				Stop 27.000 GHz	
#Res BW 1.0 MHz	#VBW 3.0	IVIAZ	Sweep 42	2.67 ms (40000 pts)	

## LTE41\_15 M\_CSE(Above10 G)\_Mid Channel



Magilent Spectrum Analyzer - Swept SA					
Center Freq 18.5000000	PNO: Fast	SENSE:INT	ALIGN AUTO #Avg Type: RMS	07:14:59 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High	#Atten: 0 dB	Mkr	1 26.132 6 GHz -75.967 dBm	Auto Tune
-30.0					Center Freq 18.500000000 GHz
-40.0					Start Fred 10.000000000 GHz
-60.0					Stop Fred 27.000000000 GHz
-80.0			-	RMS	CF Step 1.700000000 GHz <u>Auto</u> Mar
-100					Freq Offset 0 Ha
Start 10.000 GHz	#/PM			Stop 27.000 GHz	
#Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 42	.67 ms (40000 pts)	

## LTE41\_15 M\_CSE(Above10 G)\_Highest Channel



Magilent Spectrum Analyzer - Swept SA	-		16 CONTRACT		
Center Freq 18.5000000	00 GHz PNO: Fast	. Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:18:33 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBm			Mkr	1 26.120 2 GHz -76.293 dBm	Auto Tune
-30.0					Center Freq 18.500000000 GHz
-40.0					Start Freq 10.000000000 GHz
-60.0				1	Stop Freq 27.000000000 GHz
-80.0	-			RMS	CF Step 1.700000000 GHz <u>Auto</u> Man
-100					Freq Offset 0 Ha
-110 Start 10.000 GHz #Res BW 1.0 MHz	#\(B)A	3.0 MHz	Swaap 4	Stop 27.000 GHz 2.67 ms (40000 pts)	
MSG	#484	5.0 10112	Sweep 42		

#### LTE41\_20 M\_CSE(Above10 G)\_Lowest Channel



Agilent Spectrum Analyzer - Swept SA					- 6 ×
Center Freq 18.5000000	DOO GHz	SENSE:INT	#Avg Type: RMS	07:22:04 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBn	IFGain:High	#Atten: 0 dB	Mkr	1 26.146 2 GHz -76.264 dBm	Auto Tune
-30.0					Center Freq 18.500000000 GHz
-40.0					Start Freq 10.000000000 GHz
-60.0					Stop Freq 27.000000000 GHz
80.0		-			CF Step 1.70000000 GH2 <u>Auto</u> Mar
-100					Freq Offse 0 Ha
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Swoon 42	Stop 27.000 GHz 2.67 ms (40000 pts)	
	#7044	5.0 10112	Sweep 42		

## LTE41\_20 M\_CSE(Above10 G)\_Mid Channel



Agilent Spectrum Analyzer - Swept SA				1	- 6 ×
RL RF 500 A Center Freq 18.500000	PNO: Fast	SENSE:INT	#Avg Type: RMS	07:25:03 PM Mar 15, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 dB	IFGain:High	#Atten: 0 dB	Mkr	1 26.091 3 GHz -76.258 dBm	Auto Tune
-30.0					Center Freq 18.500000000 GHz
-40.0					Start Freq 10.000000000 GHz
-60.0					Stop Freq 27.000000000 GHz
-80.0		harring the second		RMS	CF Step 1.700000000 GHz <u>Auto</u> Mar
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Sweep 42	Stop 27.000 GHz 2.67 ms (40000 pts)	
NSG	# 4 D V 4		SWCCP 42		

## LTE41\_20 M\_CSE(Above10 G)\_Highest Channel



# **12. ANNEX A\_ TEST SETUP PHOTO**

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2404-FC019-P