

LXI RL	rum Analyzer - Channe RF 50 Ω eq 1.708500	AC	SENSE:INT Center Freq: 1.708500000 GHz Trig: Free Run Avg Hold #Atten: 20 dB	ALIGN AUTO	02:21:07 PM Oct 31, 2024 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 2 Ref 30.00					
Log 20.0 10.0 .0.00 .10.0 .20.0 .20.0 .30.0 .40.0 .50.0 						Center Freq 1.708500000 GHz
Center 1.7 Res BW 3			VBW 390 kHz		Span 4 MHz Sweep 3.2 ms	CF Step 400.000 kHz Auto Man
	<sup>el Power</sup> 1.73 dB	m / 1 MHz	Power Spectr -91.73			Freq Offset 0 Hz
MSG				STATU	s	-

LTE B66\_1.4M\_Extended Band Edge\_Low\_QPSK\_FullRB



Agilent Spectrum Analyzer - Swept SA					
RL RF 50 Ω AC Center Freq 1.780000000		SENSE:INT	#Avg Type: RMS	02:26:28 PM Oct 31, 2024 TRACE 1 2 3 4 5 0 TYPE A WARNAW DET A A A A A A	Frequency
Ref Offset 27.75 dB 0 dB/div Ref 27.75 dBm	IFGain:Low	#Atten: 20 dB	Mkr	1 1.780 000 GHz -34.874 dBm	Auto Tune
17.8		~			Center Fre 1.780000000 GH
2.25					Start Fre 1.778000000 GH
12.3				-13.00 <i>0</i> 8m	Stop Fre 1.782000000 GH
12.3 	- North and Dark	1			CF Ste 400.000 kH Auto Ma
523 manular manager			The second secon	Mart and the second	Freq Offset 0 Hz
Center 1.780000 GHz #Res BW 15 kHz	#VBW	47 kHz	#Sweep	Span 4.000 MHz 9 1.000 s (1001 pts)	

## LTE B66\_1.4M\_Band Edge\_High\_QPSK\_1RB



				SA	ctrum Analyzer - Swept SA	
Frequency	02:25:50 PM Oct 31, 2024 TRACE 2 3 4 5 0 TYPE A WARANA A	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	AC 0000 GHz PNO: Wide	RF 50 Ω AC req 1.780000000	Center F
Auto Tune	1.780 004 GHz -37.569 dBm	Mkr1	′5 dB	Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div	
Center Free 1.780000000 GH						17.8
Start Fre 1.778000000 GH				nakata postanta parta ang mana ang		2.25
Stop Fre 1.782000000 GH	-:13 DD #Bm					12.3
CF Stej 400.000 kH Auto Ma		and a share the state of the st	1-			32.3
Freq Offse 0 H	RhE					52.3
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	47 kHz	#VBW	780000 GHz 15 kHz	Center 1. #Res BW
		STATUS				ASG

## LTE B66\_1.4M\_Band Edge\_High\_QPSK\_FullRB



RL	m Analyzer - Channel RF 50 Ω A cq 1.7815000	C	SENSE:INT Center Freq: 1.78150 → Trig: Free Run #Atten: 20 dB	ALIGN AUTO 00000 GHz Avg Hold: 300/300	02:26:00 PM O Radio Std: No Radio Device:	one	Frequency
10 dB/div	Ref Offset 27. Ref 30.00 d						
20.0							Center Fred 1.781500000 GHz
0.00							
30,0 40,0	L	~~~~					
50.0 60,0				·······			CF Step
Center 1.78 Res BW 39			VBW 390 ki	Hz	Span Sweep		400.000 kH Auto Mar
Channe	el Power		Power	r Spectral Den	sity		Freq Offset 0 Hz
-32	2.10 dBr	n / 1 MHz		92.10 dBm	/Hz		
SG				STAR	JS		

LTE B66\_1.4M\_Extended Band Edge\_High\_QPSK\_FullRB



					Analyzer - Swept SA	and the second second
Frequency	02:28:33 PM Oct 31, 2024 TRACE 1 2 3 4 5 6 TYPE A 4 4 4 A A A	ALIGN AUTO	SENSE:INT Trig: Free Run #Atten: 20 dB	GHz PNO: Wide	RF 50 Ω AC 1.710000000 (	nter Fre
Auto Tune	.710 000 GHz -19.711 dBm	Mkr1		I GUILEN	ef Offset 27.75 dB ef 27.75 dBm	IB/div
Center Fred 1.710000000 GH:			$\square$			3
Start Free 1.708000000 GH:						5
Stop Free 1.712000000 GH	-13.00 <i>0</i> Bm		1			3
CF Step 400.000 kH: Auto Mar		The second second				9
Freq Offse 0 H	mayer ( FINS	hadden and		Landream	and for the	
	Span 4.000 MHz .000 s (1001 pts)	#Sweep	91 kHz	#VBW	0000 GHz kHz	nter 1.7 es BW 3
		STATUS				

## LTE B66\_3 M\_Band Edge\_Low\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA					- 6 *
X RL RF 50 Ω AC Center Freq 1.710000000	OGHZ PNO: Wide ↔ IFGain:Low	SENSE:INT Trig: Free Run #Atten: 20 dB	#Avg Type: RMS	02:27:59 PM Oct 31, 2024 TRACE 1 2 3 4 5 0 TYPE A WATCHING DET A A A A A A A	Frequency
Ref Offset 27.75 dB 0 dB/div Ref 27.75 dBm			Mkr1	1.710 000 GHz -26.980 dBm	Auto Tune
17.8					Center Free 1.710000000 GH
2.25			ang galalalatint ing a lang ang ang ang ang ang ang ang ang ang	FMS	Start Free 1.708000000 GH
22.3		1		-13 01 <i>0</i> 8m	Stop Fre 1.712000000 GH
123	and a second				CF Ste 400.000 kH Auto Ma
52.3					Freq Offso 0 H
Center 1.710000 GHz #Res BW 30 kHz	#VBW	91 kHz	#Sweep	Span 4.000 MHz 1.000 s (1001 pts)	
ISG			STATUS		

#### LTE B66\_3 M\_Band Edge\_Low\_QPSK\_FullRB



RL	rum Analyzer - Channel Power           RF         50 Ω         AC           eq         1.708500000 GHz         Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2">Colspan="2"Colsp	SENSE:INT ALIO	SN AUTO 02:28:08 PM Oct 31, 2024 Radio Std: None	Frequency
Center Pr	#IFGain:Low	Trig: Free Run Avg Hold: 30 #Atten: 20 dB		C. S.
10 dB/div	Ref Offset 27.75 dB Ref 30.00 dBm			
-og 20.0 10.0				Center Fred 1.708500000 GH:
0.00				
20.0				
40,0 50.0				
50,0				CF Step 400.000 kH
Center 1.7 Res BW 3		VBW 390 kHz	Span 4 MHz Sweep 3.2 ms	<u>Auto</u> Mar
Chann	el Power	Power Spectral	Density	Freq Offset 0 Hz
-2	2.11 dBm / 1 мнz	-82.11 d	Bm /Hz	
SG			STATUS	

LTE B66\_3 M\_Extended Band Edge\_Low\_QPSK\_FullRB



							nalyzer - Swept SA	
Frequency	12 PM Oct 31, 2024 RACE 1 2 3 4 5 6 TYPE A WANNESS	TRA	ALIGN AUTO		-	PNO: Wide	50 Ω AC 1.780000000	enter Fr
Auto Tune	000 GHz 621 dBm	1.780 (	Mkr1		WAtten. 2	IFGain:Low	Offset 27.75 dB 7 27.75 dBm	dB/div
Center Fred 1.780000000 GH:					$\cap$			7.8
Start Free 1.778000000 GH								.75 25
Stop Free 1.782000000 GH	-13.00 dBm			1		}		2.3
CF Step 400.000 kH; Auto Mar				t		And a	A	23
Freq Offse 0 H:	RMS Verter attraction	- and a server	werning and				Lawrener	23
	4.000 MHz s (1001 pts)	Span 4 1.000 s	#Sweep		91 kHz	#VBW	00 GHz Hz	enter 1.7 Res BW 3
			STATUS					G

# LTE B66\_3 M\_Band Edge\_High\_QPSK\_1RB



					Agilent Spec
Frequency	02:32:35 PM Oct 31, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A	ALIGN AUTO	SENSE:INT Trig: Free Run #Atten: 20 dB	50 Ω AC 80000000 GHz PNO: Wide ↔ IFGain:Low	Center F
Auto Tune	.780 004 GHz -26.830 dBm	Mkr1		set 27.75 dB 2.75 dBm	10 dB/div
Center Fred 1.780000000 GH					17.8
Start Fre 1.778000000 GH					2.25
Stop Fre 1.782000000 GH	-13.00 oBm		1		12,3
CF Stej 400.000 kH Auto Ma	FMS				323
Freq Offse 0 H					52.3
	Span 4.000 MHz .000 s (1001 pts)	#Sweep	91 kHz	GHz #VBW	Center 1.7 #Res BW
		STATUS			ISG

# LTE B66\_3 M\_Band Edge\_High\_QPSK\_FullRB



UM RL	m Analyzer - Chann RF 50 Ω	AC	SENSE:INT	ALIGN AUTO	02:32:44 PM Oct 31, 2024	
Center Fre	q 1.781500	0000 GHz #IFGain:Low	Center Freq: 1.78150 → Trig: Free Run #Atten: 20 dB	0000 GHz Avg Hold: 300/300	Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 2 Ref 30.00					
20.0						Center Freq 1.781500000 GHz
0.00 -10.0						
-20.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
-50.0						
Center 1.7					Span 4 MHz	CF Step 400.000 kHz Auto Man
Res BW 39			VBW 390 kH		Sweep 3.2 ms	Freq Offset
Channe	el Power		Power	Spectral Dens	sity	0 Hz
-24	4.24 dB	m / 1 MHz	-	84.24 dBm	/Hz	
MSG				STATU	15	

LTE B66\_3 M\_Extended Band Edge\_High\_QPSK\_FullRB



Agilent Spectrum Analyzer - Swept SA					- 5
RL RF 50 Ω AC Center Freq 1.71000000	0 GHz PNO: Wide	SENSE:INT Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:35:18 PM Oct 31, 2024 TRACE 2 3 4 5 6 TYPE A 4 4 A A A A	Frequency
Ref Offset 27.75 dE 10 dB/div Ref 27.75 dBm		#Atten: 20 db	Mkr	1 1.710 000 GHz -22.946 dBm	Auto Tune
17.8					Center Fred 1.710000000 GH2
2.25					Start Fred 1.708000000 GH:
-12.3		1		-13.01 //Bm	Stop Fred 1.712000000 GH2
323			South way	Sec. 1	CF Step 400.000 kH: Auto Mar
-523	- Alexandra ( Maria and Maria			RMS RMS	Freq Offse 0 H:
62.3 Center 1.710000 GHz #Res BW 51 kHz	#VBW	160 kHz	#Sweep	Span 4.000 MHz 9 1.000 s (1001 pts)	
ISG			STATL		

## LTE B66\_5 M\_Band Edge\_Low\_QPSK\_1RB



- 6 -				rum Analyzer - Swept SA	
Frequency	02:34:44 PM Oct 31, 2024 TRACE 1 2 3 4 5 6	#Avg Type: RMS	SENSE:INT	RF 50 Ω AC eq 1.710000000 GHz	RL
		ming type. time	Trig: Free Run #Atten: 20 dB	PNO: Wide +++ IFGain:Low	Jenter P
Auto Tun	1.710 000 GHz -29.250 dBm	Mkr1		Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div
Center Fre 1.710000000 GH					17.8
Start Fre 1.708000000 GH	RMS				2.25
Stop Fre 1.712000000 GF	-13.00.08m				12.3 <u></u> 22.3
CF Ste 400.000 kH Auto Ma				naga taun mili dalam kata mana mana kata kata mila kata di kata dalam kata dalam kata dalam kata dalam kata da	23
Freq Offs 0 F					23
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	160 kHz	10000 GHz 51 kHz #VBW	Center 1.7
		STATUS			ISG

## LTE B66\_5 M\_Band Edge\_Low\_QPSK\_FullRB





RL RL	rum Analyzer - Channel Power RF 50 Ω AC	SENSE:INT	ALIGN AUTO	02:34:54 PM Oct 31, 2024	
Center Fr	eq 1.708500000 GHz #FGain:L		Hz  Hold: 300/300	Radio Std: None Radio Device: BTS	Frequency
10 dB/div Log	Ref Offset 27.75 dB Ref 30.00 dBm				
20.0					Center Freq 1.708500000 GH2
0.00				$\square$	
30,0 40,0		······			
50.0 60.0					CF Step
Center 1.7 Res BW 3		VBW 390 kHz		Span 4 MHz Sweep 3.2 ms	400.000 kH
Chann	el Power	Power Spe	ectral Dens	sity	Freq Offset 0 Hz
-2	3.08 dBm /1м⊦	z -83.	08 dBm	/Hz	
ISG			STATU	s	-

LTE B66\_5 M\_Extended Band Edge\_Low\_QPSK\_FullRB



- 6 -					nt Spectrum Analyzer - Swept SA	
Frequency	02:39:57 PM Oct 31, 2024 TRACE 1 2 3 4 5 6 TYPE A WAYNE A A A A A A	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB		RF 50 Ω AC er Freq 1.780000000	Center F
Auto Tune	1.780 000 GHz -22.795 dBm	Mkr1	#Atten: 20 db	IB	Ref Offset 27.75 dB div Ref 27.75 dBm	10 dB/div
Center Fred 1.780000000 GH:				_		17.8
Start Fred 1.778000000 GH:						2.25
Stop Free 1.782000000 GH:	-13 D1 //Em		1			-12.3
CF Step 400.000 kH: Auto Mar			han		and the second second	-32.3
Freq Offset 0 Hz	RMS	Martin Martin Standard			and the first of t	-52.3
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	160 kHz	#VBW	r 1.780000 GHz BW 51 kHz	Center 1. #Res BW
		STATUS				ISG

# LTE B66\_5 M\_Band Edge\_High\_QPSK\_1RB



- 6 -				trum Analyzer - Swept SA
Frequency	02:39:19 PM Oct 31, 2024 TRACE 2 3 4 5 6 TYPE A WATANA DET A A A A A A	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	RF 50 Ω AC req 1.780000000 GHz PNO: Wide ↔ IFGain:Low
Auto Tune	1.780 000 GHz -29.979 dBm	Mkr1		Ref Offset 27.75 dB Ref 27.75 dBm
Center Fred 1.780000000 GH				
Start Fre 1.778000000 GH			7	
Stop Fre 1.782000000 GH	-13 00 JBm			
CF Ste 400.000 kH Auto Ma	FMS	and a contract of the second secon	1	
Freq Offse 0 H				
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	160 kHz	780000 GHz 51 kHz #VBW
		STATUS		

# LTE B66\_5 M\_Band Edge\_High\_QPSK\_FullRB



Agilent Spectrum Analyzer - Channel Power  K RL RF 50 Ω AC		1 months and			
Center Freq 1.781500000	GHz #IFGain:Low	SENSE:INT Center Freq: 1.781500 Trig: Free Run #Atten: 20 dB	ALIGN AUTO 000 GHz Avg Hold: 300/300	02:39:29 PM Oct 31, 2024 Radio Std: None Radio Device: BTS	Frequency
Ref Offset 27.75 df 10 dB/div Ref 30.00 dBm Log	3				
20.0					Center Freq 1.781500000 GHz
10,0					
-20.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
-50.0					CF Step 400.000 kHz
Center 1.782 GHz Res BW 39 kHz		VBW 390 kH	z	Span 4 MHz Sweep 3.2 ms	Auto Mar
Channel Power		Power	Spectral Dens	sity	Freq Offset 0 Hz
-25.89 dBm /	1 MHz	-8	35.89 dBm	/Hz	
ISG			STATU	s	-

LTE B66\_5 M\_Extended Band Edge\_High\_QPSK\_FullRB



- 3 ×							trum Analyzer - Swept SA	the second se
Frequency	02:42:05 PM Oct 31, 2024	ALIGN AUTO	#Avg Ty	Free Run	Trig: Fre	0 GHz PNO: Wide ↔ IFGain:Low	RF 50 Ω AC eq 1.710000000	Center F
Auto Tune	Mkr1 1.710 000 GHz -30.772 dBm						Ref Offset 27.75 dB Ref 27.75 dBm	10 dB/div
Center Fred 1.710000000 GH2			$\square$					17.8
Start Fred 1.708000000 GH:								2.25
Stop Fred 1.712000000 GH:	-13.00.0Em			1				12.3
CF Step 400.000 kH Auto Mar	RIAS			2	and a second			42.3
Freq Offse 0 H;								523
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep		(Hz	'BW 300 kHz	#VBM	'10000 GHz 100 kHz	Center 1. #Res BW
		STATUS						ISG

# LTE B66\_10 M\_Band Edge\_Low\_QPSK\_1RB



				m Analyzer - Swept SA	
Frequency	02:41:30 PM Oct 31, 2024 TRACE 1 2 3 4 5 6	#Avg Type: RMS	SENSE:INT	RF 50 Ω AC q 1.710000000 GHz	RL Center Fi
			Trig: Free Run #Atten: 20 dB	PNO: Wide	CITCOLL
Auto Tur	1.710 000 GHz -31.604 dBm	Mkr1		Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div
Center Fre 1.710000000 GF					17.8
Start Fre 1.708000000 GF	RMS	_			.25
Stop Fre					2.3
CF Ste 400.000 kl Auto Ma			-1		23
Freq Offs					23
	Span 4.000 MHz 1.000 s (1001 pts)	#Sween	300 kHz	0000 GHz 10 kHz #\/BW	enter 1.7 Res BW
		STATUS			G

#### LTE B66\_10 M\_Band Edge\_Low\_QPSK\_FullRB



RL	rum Analyzer - Chant RF 50 Ω eq 1.708500	AC	SENSE:INT Center Freq: 1.708500 Trig: Free Run #Atten: 20 dB	ALIGN AUTO 0000 GHz Avg[Hold: 300/300	02:41:40 PM Oct 31, 2024 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 2 Ref 30.00					
20.0 10.0 0.00						Center Freq 1.708500000 GHz
-10,0 -20.0 -30.0						
-40,0 -50.0 -60.0						CF Step 400.000 kHz
Center 1.7 Res BW 3			VBW 390 kH	z	Span 4 MHz Sweep   3.2 ms	Auto Mar
	el Power			Spectral Dens		Freq Offset 0 Hz
-2	3.86 dE	Sm / 1 MHz	-{	33.86 dBm	/Hz	
ISG				STATU	s	-

## LTE B66\_10 M\_Extended Band Edge\_Low\_QPSK\_FullRB



					trum Analyzer - Swept SA	
Frequency	02:46:50 PM Oct 31, 2024	#Avg Type: RMS	SENSE:INT		RF 50 Ω AC	RL
	TRACE 1 2 3 4 5 6 TYPE A MARAAAA DET A A A A A A	#Avg Type: RMS	Trig: Free Run #Atten: 20 dB	PNO: Wide +++ IFGain:Low	req 1.780000000	Center F
Auto Tune	1.780 004 GHz -31.329 dBm	Mkr1			Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div
Center Fred 1.780000000 GH:				$\neg$		17.8
Start Fred 1.778000000 GH:						2.25
Stop Fred 1.782000000 GHz	-13.00.#9m					-12.3
CF Step 400.000 kH: Auto Mar			1		- or warman of	-32.3
Freq Offse 0 H	RMS	Contract of the state of the st				-52.3
	Span 4.000 MHz				780000 GHz	
	1.000 s (1001 pts)		300 kHz	#VBW	100 kHz	#Res BW
		STATUS				ISG

# LTE B66\_10 M\_Band Edge\_High\_QPSK\_1RB



- 6 2	1				trum Analyzer - Swept SA	
Frequency	02:46:12 PM Oct 31, 2024 TRACE 2 3 4 5 0 TYPE A WANNEY DET A A A A A A	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	GHz PNO: Wide	RF 50 Ω AC req 1.780000000	Center F
Auto Tun	1.780 004 GHz -32.850 dBm	Mkr1			Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div
Center Fre 1.780000000 GH						17.8
Start Fre 1.778000000 GH						2.25
Stop Fre 1.782000000 GH	-13.00.00m		h			12.3 <u></u> 22.3
CF Ste 400.000 kH Auto Ma	RMS					42.3
Freq Offse 0 F						523
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	300 kHz	#VBW :	780000 GHz 100 kHz	Center 1. #Res BW
		STATUS			11	ISG

# LTE B66\_10 M\_Band Edge\_High\_QPSK\_FullRB



RL	um Analyzer - Chan RF 50 Ω 2 <b>q 1.78150</b>	AC 0000 GHz	SENSE:INT Center Freq: 1.7815 Trig: Free Run #Atten: 20 dB	ALIGN AUTO 600000 GHz Avg Hold: 300/300	02:46:21 PM Oct 31, 2024 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 2 Ref 30.00					
20.0 10.0						Center Fred 1.781500000 GH2
0.00						
10,0	m					
:0.0 :0.0 :enter 1.7	92 CH2				Span 4 MHz	CF Step 400.000 kH Auto Mar
es BW 39			VBW 390 k	Hz	Sweep 3.2 ms	<u>Auto</u> Mar
Chann	el Power		Powe	r Spectral Den	sity	Freq Offset 0 Hz
-29	9.96 dE	Sm / 1 MHz		-89.96 dBm	/Hz	
SG				STAT	JS	-

LTE B66\_10 M\_Extended Band Edge\_High\_QPSK\_FullRB



- 5 *					Agilent Spectrum
Frequency	02:49:03 PM Oct 31, 2024 TRACE 2 3 4 5 6 TYPE A 400000000000000000000000000000000000	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	RF 50 Ω AC 1.710000000 GHz PNO: Wide ↔ IFGain:Low	
Auto Tune	1.709 996 GHz -31.227 dBm	Mkr1		ef Offset 27.75 dB ef 27.75 dBm	10 dB/div R
Center Freq 1.710000000 GHz					17.8
Start Fred 1.708000000 GHz					2.25
Stop Fred 1.712000000 GH2	-13 (1) (Fin				12.3
CF Step 400.000 kH: Auto Mar	-				323
Freq Offset 0 Hz				b	-62.3 <b>- 11111</b>
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	470 kHz		Center 1.710 #Res BW 150
		STATUS			ISG

# LTE B66\_15 M\_Band Edge\_Low\_QPSK\_1RB



					rum Analyzer - Swept SA	
Frequency	02:48:28 PM Oct 31, 2024 TRACE 2 3 4 5 6 TYPE A 4 4 A A A A	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	GHz PNO: Wide	RF 50 Ω AC eq 1.710000000	Center F
Auto Tune	1.709 956 GHz -30.053 dBm	Mkr1	WAtten: 20 db	IFGain:Low	Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div
Center Fred 1.710000000 GH:						17.8
Start Free 1.708000000 GH	RMS					7.75 2.25
Stop Free 1.712000000 GH	-13.00 dBm					12.3
CF Stej 400.000 kH <u>Auto</u> Ma						32.3 42.3
Freq Offse 0 H						523
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	470 kHz	#VBW	10000 GHz 150 kHz	Center 1. Res BW
		STATUS				ISG

# LTE B66\_15 M\_Band Edge\_Low\_QPSK\_FullRB



LXI RL	rum Analyzer - Chan RF 50 Ω eq 1.70850	AC	SENSE:INT Center Freq: 1.708500000 G Trig: Free Run Avg #Atten: 20 dB	ALIGN AUTO Hz Hold: 300/300	02:48:37 PM Oct 31, 2024 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 2 Ref 30.00					
20.0 10.0						Center Freq 1.708500000 GHz
-10,0						
-30,0 -40,0 -50.0		~~~~~				
Center 1.7 Res BW 3			VBW 390 kHz		Span 4 MHz Sweep 3.2 ms	CF Step 400.000 kHz Auto Man
Chann	Channel Power		Power Spe		Freq Offset 0 Hz	
-2	3.95 dE	8m / 1 MHz	-83.9	95 dBm	/Hz	
ISG				STATL	15	-

#### LTE B66\_15 M\_Extended Band Edge\_Low\_QPSK\_FullRB



o & ×	1				trum Analyzer - Swept SA	
Frequency	02:53:56 PM Oct 31, 2024 TRACE 1 2 3 4 5 0 TYPE A WARNAW DET A A A A A A	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	GHZ PNO: Wide	RF 50 Ω AC req 1.780000000	Center F
Auto Tune	1.780 000 GHz -31.009 dBm	Mkr1			Ref Offset 27.75 dB Ref 27.75 dBm	10 dB/div
Center Fred 1.780000000 GH:						17.8
Start Fred 1.778000000 GH:						2.25
Stop Fred 1.782000000 GH:						-12.3
CF Step 400.000 kH Auto Mar	RMS		1			-32.3
Freq Offse 0 H:		The second s				-623
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	170 kHz	#VBW	780000 GHz 150 kHz	Center 1.7 #Res BW
		STATUS				ASG

# LTE B66\_15 M\_Band Edge\_High\_QPSK\_1RB



					trum Analyzer - Swept SA	
Frequency	02:53:18 PM Oct 31, 2024 TRACE 1 2 3 4 5 0 TYPE A WARNEY DET A A A A A A A	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	GHz PNO: Wide ↔ IFGain:Low	RF 50 Ω AC req 1.780000000	Center F
Auto Tune	1.780 004 GHz -27.760 dBm	Mkr1		n ounneon	Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div
Center Free 1.780000000 GH						17.8
Start Free 1.778000000 GH						2.25
Stop Fre 1.782000000 GH			1			12.3 22.3
CF Ste 400.000 kH Auto Ma	RMS					323 423
Freq Offse 0 H						523
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	470 kHz	#VBW	780000 GHz 150 kHz	Center 1. #Res BW
		STATUS				ISG

# LTE B66\_15 M\_Band Edge\_High\_QPSK\_FullRB



RL	rum Analyzer - Chanr RF 50 Ω eq 1.781500	AC	SENSE:INT Center Freq: 1.78150 Trig: Free Run #Atten: 20 dB	ALIGN AUTO 0000 GHz Avg[Hold: 300/300	02:53:28 PM Oct 31, 2024 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 2 Ref 30.00					
Log 20.0 10.0						Center Freq 1.781500000 GHz
0.00 10,0 20,0						
30,0 <b></b> 40,0			·····			
50.0						CF Step 400.000 kH
Center 1.7 Res BW 3			VBW 390 kH	łz	Span 4 MHz Sweep 3.2 ms	<u>Auto</u> Mar
Channel Power		Power	Freq Offsel 0 Hz			
-2	1.97 dB	Sm / 1 MHz	-	81.97 dBm	/Hz	
ISG				STATU	15	

# LTE B66\_15 M\_Extended Band Edge\_High\_QPSK\_FullRB



Agilent Spectrum Analyzer - Swept SA				- 6 -
X RL RF 50 Ω AC Center Freq 1.71000000	O GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:56:15 PM Oct 31, 2024 TRACE 1 2 3 4 5 6 TYPE A WARAAAA DET A A A A A A A	Frequency
Ref Offset 27.75 d 10 dB/div Ref 27.75 dBm	в	Mkr1	1.709 996 GHz -32.029 dBm	Auto Tune
17.8		$- \cap$		Center Fred 1.710000000 GH:
2.25				Start Fred 1.708000000 GH:
22.3		and the second s	11.00 (Ba	Stop Free 1.712000000 GH
323	11			CF Stej 400.000 kH Auto Ma
523	and a start and			Freq Offse 0 H
523 Center 1.710000 GHz #Res BW 200 kHz	#VBW 620 kHz	#Sweep	Span 4.000 MHz 1.000 s (1001 pts)	
ISG		STATUS		

# LTE B66\_20 M\_Band Edge\_Low\_QPSK\_1RB



					trum Analyzer - Swept SA	
Frequency	02:55:40 PM Oct 31, 2024 TRACE 1 2 3 4 5 6 TYPE A WATHER DET A A A A A A	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	O GHz PNO: Wide ↔ IFGain:Low	RF 50 Ω AC req 1.710000000	Center F
Auto Tune	1.709 988 GHz -28.533 dBm	Mkr1		8	Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div
Center Fred 1.710000000 GH2						17.8
Start Fred 1.708000000 GH:	RMS					2.25
Stop Fred 1.712000000 GH;	-13 00 ABm		1			12.3
CF Step 400.000 kH Auto Mar					and a second and a s	42.3
Freq Offse 0 H						52.3
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	620 kHz	#VBW	710000 GHz 200 kHz	Center 1. Res BW
		STATUS				ISG

## LTE B66\_20 M\_Band Edge\_Low\_QPSK\_FullRB



LXI RL	rum Analyzer - Chan RF 50 Ω eq 1.70850	AC	SENSE:INT Center Freq: 1.7085000 Trig: Free Run #Atten: 20 dB	ALIGN AUTO 00 GHz Avg Hold: 300/300	02:55:50 PM Oct 31, 2024 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset					
20.0						Center Freq 1.708500000 GHz
-10,0 -20,0						
-30,0						
Center 1.7 Res BW 3			VBW 390 kHz		Span 4 MHz Sweep 3.2 ms	CF Step 400.000 kHz Auto Man
Channel Power		Power Spectral Density			Freq Offset 0 Hz	
-2	3.55 dE	3m / 1 MHz	-8	3.55 dBm	/Hz	
ISG				STATU	15	-

#### LTE B66\_20 M\_Extended Band Edge\_Low\_QPSK\_FullRB



- 5 -					trum Analyzer - Swept SA	
Frequency	03:01:20 PM Oct 31, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWWW DET A A A A A A	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB	GHz PNO: Wide	RF 50 Ω AC req 1.780000000	Center F
Auto Tune	.780 004 GHz -31.609 dBm	Mkr1	WAREN. 20 GD	IFGain:Low	Ref Offset 27.75 dB Ref 27.75 dBm	10 dB/div
Center Fred 1.780000000 GH2						17.8
Start Fred 1.778000000 GH:						2.25
Stop Fred 1.782000000 GHz	13 00 oPm,					-12.3
CF Step 400.000 kH: Auto Mar			1 mars			32.3
Freq Offset 0 Ha	RMS	Youthelington Made many free as a sec				-523
	Span 4.000 MHz .000 s (1001 pts)	#Sween	520 kHz	#VBW (	780000 GHz	Center 1.
		STATUS				ISG

# LTE B66\_20 M\_Band Edge\_High\_QPSK\_1RB



					trum Analyzer - Swept SA	
Frequency	03:00:42 PM Oct 31, 2024 TRACE 2 3 4 5 0 TYPE A 400000000000000000000000000000000000	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 20 dB		RF 50 Ω AC req 1.780000000	Center F
Auto Tun	1.780 016 GHz -24.466 dBm	Mkr1			Ref Offset 27.75 dB Ref 27.75 dBm	0 dB/div
Center Fre 1.780000000 GH						17.8
Start Fre 1.778000000 GF						2.25
Stop Fre 1.782000000 GH			<b>↓</b> 1			12,3 <u></u> 22,3
CF Ste 400.000 ki Auto Ma						23
Freq Offs 0 F						72 3
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	620 kHz	#VBW	780000 GHz 200 kHz	Center 1. Res BW
		STATUS				ISG

# LTE B66\_20 M\_Band Edge\_High\_QPSK\_FullRB



Agilent Spect	rum Analyzer - Chanr RF 50 Ω		SENSE:INT	ALIGN AUTO	03:00:51 PM Oct 31, 2024	×
	req 1.781500000 GHz		000 GHz Center Freq: 1.781500000 GHz Trig: Free Run Avg Hold: 300/300		Radio Device: BTS	Frequency
10 dB/div Log	Ref Offset 2 Ref 30.00					
20.0						Center Freq 1.781500000 GHz
0.00 -10,0						
-20.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
50.0 60.0						CE Stor
Center 1.7 Res BW 3			VBW 390 kH	Iz	Span 4 MHz Sweep 3.2 ms	CF Step 400.000 kHz Auto Mar
Channel Power		Power	Freq Offset 0 Hz			
-1	8.88 dB	Sm / 1 MHz	-	78.88 dBm	/Hz	
ASG				STAT	15	1

#### LTE B66\_20 M\_Extended Band Edge\_High\_QPSK\_FullRB



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

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

No.	Description
1	HCT-RF-2412-FC028-P