

					um Analyzer - Swept SA	
Frequency	02:23:07 PM May 20, 2024 TRACE 1 2 3 4 5 6	#Avg Type: RMS	SENSE:INT		RF 50 Ω AC	RL
	TYPE A WWWWW DET A A A A A A	#Avg Type. RMIS	Trig: Free Run #Atten: 20 dB	PNO: Wide	eq 663.000000 N	Center Fr
Auto Tune	1 662.972 MHz -30.467 dBm	Mkı			Ref Offset 27 dB Ref 27.00 dBm	10 dB/div
Center Fred 663.000000 MHz						17.0
Start Free 661.000000 MH;	RMS					-3.00
Stop Free 665.000000 MH:	-13.00 dBm					-13.0
CF Step 400.000 kH Auto Mar				and a set of the set o	u 1.	-33.0
Freq Offse 0 H						53.0
	Span 4.000 MHz					-63.0 Center 66
	1.000 s (1001 pts)	#Sweep	300 kHz	#VBW :	UU KHZ	#Res BW

LTE B71_15 M_Channel Edge_Low_QPSK_FullRB



	um Analyzer - Swept SA							6	×
Center Fre	RF 50 Ω AC eq 657.000000 N	/Hz	NSE:INT	#Avg Type	ALIGN AUTO e: RMS	02:23:27 PM TRACE	May 20, 2024 1 2 3 4 5 6 A MANANA	Frequency	У
10 dB/div	Ref Offset 27 dB Ref 27.00 dBm	PNO: Wide Trig: Fre IFGain:Low #Atten: 2			Mk	DET r1 660.98 -31.86		Auto T	ſune
17.0								Center 657.000000	
-3.00								Start 653.000000	
-13.0							-13.00 dBm	Stop 661.000000	100 C
-33.0			- And a state of the	and the second			1 RM	CF \$ 800.000 <u>Auto</u>	Step 0 kHz Man
-53.0								Freq O	f fset 0 Hz
-63.0 Start 653.00 #Res BW 1		#VBW 300 kHz			#Sween	Stop 661.0 1.000 s (1	000 MHz		
MSG	00 1112	**Bvv 300 KHz			STATUS		oo r prsj		

LTE B71_15 M_Extended Channel Edge_Low_QPSK_FullRB



CS DW	100 1112		70 DW	000 KHZ			status		noor proj		
	98.000 MH 100 kHz	z	#\/B\A	300 kHz			#Sween	Span 4	.000 MHz (1001 pts)		
.0											
.0									Control Control of	Freq	0 F
						an and a start and a start and a start a	and an and	approximation and	RMS	From	Offs
O Work					No. And					Auto	M
.0 /	A.C.			7	×						F Ste
.0	1 and the second			X	1						
	John Contraction			No.						700.0000	DOD M
.0		and a second	- An						-13.00 dBm		
		1								696.0000	000 M
		1								Sta	rt Fr
										098.0000	000 141
			\wedge							Cent 698.0000	
dB/div ^g	Ref 27.0	0 dBm						-51.4	70 dBm		
	Ref Offset						Mk	1 698.0	00 MHz	Aut	o Tu
			PNO: Wide ++ IFGain:Low	Trig: Free #Atten: 2				TYI Di			
enter F	req 698.0	00000	/Hz		VSE:INT	#Avg Typ	ALIGN AUTO	TRAC	M May 20, 2024	Freque	ncy

LTE B71_15 M_Channel Edge_High_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA					
RL RF 50 Ω AC Center Freq 698.000000	PNO: Wide	SENSE:INT	#Avg Type: RMS	02:27:44 PM May 20, 2024 TRACE 2 3 4 5 F TYPE A WWWWW DET A A A A A A A	Frequency
Ref Offset 27 dB 10 dB/div Ref 27.00 dBm	IFGain:Low	#Atten: 20 dB	Mk	r1 698.012 MHz -33.446 dBm	Auto Tune
17,0					Center Fred 698.000000 MHz
3.00					Start Free 696.000000 MH
23.0				-13.00 dBm	Stop Free 700.000000 MH
33.0		1	and a start of the	RMS	CF Step 400.000 kH <u>Auto</u> Mar
53.0					Freq Offse 0 H
63.0 Center 698.000 MHz #Res BW 100 kHz	#VBW 3	00 647	#Swoon	Span 4.000 MHz 1.000 s (1001 pts)	
ISG	#VDVV 3	00 KH2	STATUS		

LTE B71_15 M_Channel Edge_High_QPSK_FullRB



J Agilent Spectrum Analyze					
Center Freq 704	50 Ω AC .000000 MHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:28:03 PM May 20, 2024 TRACE 1 2 3 4 5 F TYPE A WWWWW DET A A A A A A A	Frequency
10 dB/div Ref 27	PNO: Wide IFGain:Low set 27 dB 200 dBm	#Atten: 20 dB	Mk	1 700.048 MHz -34.890 dBm	Auto Tune
17.0					Center Freq 704.000000 MHz
3.00					Start Freq 700.000000 MHz
-13.0				-13.00 dBm	Stop Freq 708.000000 MHz
33.0	1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1			RMS	CF Step 800.000 kHz <u>Auto</u> Man
53.0					Freq Offset 0 Hz
-63.0 Start 700.000 MH #Res BW 100 kHz		3W 300 kHz	#Sween	Stop 708.000 MHz 1.000 s (1001 pts)	
			STATUS		

LTE B71_15 M_Extended Channel Edge_High_QPSK_FullRB



RL RL	RF RF	Swept SA 50 Ω AC		SENSE:INT		ALIGN AUTO	02:20:49.0	M May 20, 2024	-	
	req 663.0		NO: Wide ↔		#Avg Ty		TRAC		Frequ	ency
0 dB/div	Ref Offset Ref 27.0		IFGam:Low	writen. 20 ab		Mk	r1 662.9 -33.4	88 MHz 38 dBm	Au	to Tun
17.0						\bigcap			Cen 663.000	ter Fre 1000 M⊦
3.00									St 661.000	art Fre
3.0					and the second s			-13.00 6845	St 665.000	op Fre
3.0				In Antonio and						CF Ste 0.000 kH Ma
3.0 mrsijr 3.0	wateralantarentitie	outpohline south	Allthore and a start						Fre	q Offs 0 I
	63.000 MH	z					Span 4	.000 MHz		
Res BW	100 kHz		#VBW	300 kHz		#Sweep	1.000 S (1001 pts)		

LTE B71_20 M_Channel Edge_Low_QPSK_1RB



			STATUS						G
	.000 MHz (1001 pts)	Span 4	#Sweep		00 kHz	#VBW 3		3.000 MHz 100 kHz	
									3.0
Freq Offs 0 F									3.0
									3.0
400.000 kł uto Ma									5.0
CF Ste					1				3.0
665.000000 MI					4				3.0
Stop Fre	-13.00 dBm								3.0
661.000000 MI			\int						00
Start Fre	RMS								
									.00
Center Fre 663.000000 Mi									7.0
_	62 dBm	-30.3						Ref 27.00	dB/div
Auto Tur	00 MHz	1 663.0	Mki			II Gam.Low	7 dB	Ref Offset 2	
	CE 1 2 3 4 5 6 PE A WWWWW ET A A A A A A	TYP	pe: RMS	#Avg	Trig: Free Run #Atten: 20 dB	PNO: Wide	0000 M	req 663.00	enter F
Frequency	M May 20, 2024		ALIGN AUTO		SENSE:INT			RF 50	RL

LTE B71_20 M_Channel Edge_Low_QPSK_FullRB



Magilent Spectrum Analyzer - Swept SA				
X RL RF 50 Ω AC Center Freq 657.000000 Γ <thγ< th=""> Γ Γ</thγ<>	MHz PNO: Wide +++ Trig: Free Run	#Avg Type: RMS	02:30:22 PM May 20, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
Ref Offset 27 dB	IFGain:Low #Atten: 20 dB	Mk	r1 660.976 MHz -31.035 dBm	Auto Tune
17.0				Center Freq 657.000000 MHz
3.00				Start Fred 653.000000 MHz
-13.0			-13.00 dBm	Stop Freq 661.000000 MHz
-33.0		naan ar	RM.	CF Step 800.000 kHz <u>Auto</u> Mar
63.0				Freq Offset 0 Hz
-63.0 Start 653.000 MHz #Res BW 100 kHz	#VBW 300 kHz	#Sween	Stop 661.000 MHz 1.000 s (1001 pts)	
MSG	#VBW 300 KHZ	STATU:	1	

LTE B71_20 M_Extended Channel Edge_Low_QPSK_FullRB



Price Disk Trig: Free Run #Atten: 20 dB Mkr1 698.000 MHz 32.389 dBm Auto T 0 GB/div Ref 0ffset 27 dB Ref 27.00 dBm Center If 698.0000 MHz 32.389 dBm Center If 7.0		100 kHz		#VBW	300 kHz			#Sweep	1.000 s ((1001 pts)		
Price Disk Trig: Free Run #Atten: 20 dB Mkr1 698.000 MHz 32.389 dBm Auto T 0 GB/div Ref 0ffset 27 dB Ref 27.00 dBm Center If 698.0000 MHz 32.389 dBm Center If 7.0	enter 69	8.000 MHz		5					Span 4	.000 MHz		
PNO: Wide Trig: Free Run Mikr1 698.000 MHz Auto T 0 dB/div Ref Offset 27 dB Mikr1 698.000 MHz -32.389 dBm 0 dB/div Ref 27.00 dBm -32.389 dBm Center F 0 dB/div Ref 0 offset 27 dB Start F 0 dB/div -33.00 dm -33.00 dm -30.00 dm 1 -33.00 dm -13.00 dm Freq Off 1 -13.00 dm -13.00 dm Freq Off 1 -11 -11 Freq Off 1 -11 -11 Freq Off 1 -11 -11 Freq Off	63.0											
Auto T Ref Offset 27 dB 0 dB/div Ref 27.00 dBm 100 100 100 100 100 100 100 10	3.0											Freq Ons
Pho: Wide Trig: Free Run Mkr1 698.000 MHz Auto T 0 dB/div Ref Offset 27 dB Mkr1 698.000 MHz -32.389 dBm 0 dB/div Ref 27.00 dBm -32.389 dBm -32.389 dBm 0 dB/div Ref 27.00 dBm -30.000000 -30.000000 0 dB/div Ref 27.00 dBm -30.00000 -30.00000 0 dB/div -30.00000 -30.00000 -30.00000 0 dB/div -30.00000 -30.00000 -30.00000 0 dB/div -30.00000 -30.00000 -30.00000 30 div -30.000000 -30.000000 -30.000	3.0						er an grand for	enter other play	deraffenskanskirter	RMS https://		Erog Offe
Ref Offset 27 dB 0 dB/div Ref 27.00 dBm 1 d						Martin inte	with south at a t				Auto	400.000 ki
Ref Offset 27 dB Ref 27.00 dBm 30 30 30 30 30 30 30 30 30 30	3.0				North Real	1						CF Ste
PNO: Wide Trig: Free Run IFGain:Low #Atten: 20 dB Ref Offset 27 dB dB/div Ref 27.00 dBm Center F 698.00000 Center F 698.00000 Center F 698.00000 Center F 698.00000 Center F 698.00000	0 martin				No.						70	0.000000 M
Ref Offset 27 dB dB/div Ref 27.00 dBm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0	man		and a						-13.00 dBm		Stop Fr
Ref Offset 27 dB dB/div Ref 27.00 dBm Center F 10 10 10 10 10 10 10 10 10 10											690	5.000000 M
Ref Offset 27 dB dB/div Ref 27.00 dBm AAAAA Center F	00											Start Fr
Ref Offset 27 dB dB/div Ref 27.00 dBm S Center F Ref Offset 27 dB Center F Center F			$\langle \rangle$								69	3.000000 M
Ref Offset 27 dB dB/div Ref 27.00 dBm Trig: Free Run → Trig: Free Run #Atten: 20 dB Mkr1 698.000 MHz -32.389 dBm			5									Center Fr
PNO: Wide Trig: Free Run IFGain:Low #Atten: 20 dB DET AAAAAA								IVIK	-32.3	89 dBm		
												Auto Tu
RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:35:29 PM May 20, 2024 Penter Freq 698 000000 MHz #Avg Type: RMS TRACE Frequency				Hz					TRAC	E 123456		requency

LTE B71_20 M_Channel Edge_High_QPSK_1RB



							trum Analyzer - Swept SA	
Frequency	M May 20, 2024 E 1 2 3 4 5 6 A 4 4 4 4 4 4 4	02:34:40 P TRAC	ALIGN AUTO	ENSE:INT	-	Hz PNO: Wide ↔	RF 50 Ω AC req 698.000000 N	Center F
Auto Tune	04 MHz 17 dBm	1 698.0	Mkı		#Atten	IFGain:Low	Ref Offset 27 dB Ref 27.00 dBm	10 dB/div
Center Freq 698.000000 MHz								17.0
Start Fred 696.000000 MHz								3.00
Stop Freq 700.000000 MHz	-13.00 dBm							-13.0
CF Step 400.000 kHz <u>Auto</u> Mar	RMS	an ag an ag an gan ag an gan ag an gan ag an g		1				-33.0
Freq Offse 0 H:								-43.0
	.000 MHz	Span 4					8.000 MHz	-63.0 Center 69
	1001 pts)		#Sweep	Z	/ 300 kH	#VBW	100 kHz	#Res BW

LTE B71_20 M_Channel Edge_High_QPSK_FullRB



					ctrum Analyzer - Swept SA	
Frequency	02:35:00 PM May 20, 2024 TRACE 1 2 3 4 5 F TYPE A A A A A A DET A A A A A A A	ALIGN AUTO	SENSE:INT	0000 MHz	RF 50 Ω AC req 704.00000	Center F
Auto Tune	700.560 MHz -33.243 dBm	Mkı	#Atten: 20 dB	PNO: Wide IFGain:Low 7 dB dBm	Ref Offset 27 dB Ref 27.00 dBn	10 dB/div
Center Freq 704.000000 MHz						17.0
Start Free 700.000000 MHz						3.00
Stop Fred 708.000000 MHz	-13.00 dBm					-13.0
CF Step 800.000 kHz Auto Mar	RMS	ay san bahayan ay sa			♦ ¹	33.0
Freq Offse 0 Hz						53.0
	top 708.000 MHz .000 s (1001 pts)	#Sweep	300 kHz	#VBW	000 MHz 100 kHz	Start 700
		STATUS				ISG

LTE B71_20 M_Extended Channel Edge_High_QPSK_FullRB



11. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-2406-FC014-P