

	ectrum Analyzer - Swept SA					
enter F	RF 50 Ω AC Freq 852.000000	MHz	SENSE:INT	#Avg Type: RMS	09:19:00 PM Jun 24, 2024 TRACE 2 3 4 5 6	Frequency
Senter 1	100 002.000000	PNO: Wide +++	Trig: Free Run #Atten: 20 dB		TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	
0 dB/div	Ref Offset 26.7 dB Ref 26.70 dBm			Mł	r1 850.072 MHz -32.799 dBm	Auto Tun
16.7						Center Fre 852.000000 MH
6.70 3.30						Start Fre 850.000000 MH
23.3					-13.00 dBm	Stop Fre 854.000000 M⊦
13.3	and and a second se					CF Ste 400.000 kH <u>Auto</u> Ma
53.3					RMS	Freq Offs 0 F
	52.000 MHz				Span 4.000 MHz	
	100 kHz	#VBW	300 kHz	#Sweep	1.000 s (1001 pts)	
SG				STATU	JS	

LTE B5_3 M_Extended Band Edge_High_QPSK_FullRB



RL	ctrum Analyzer - Swept SA RF 50 Ω A		SENSE:INT	ALIGN AUTO	09:21:20 PM Jun 24, 2024	
	req 824.00000		Trig: Free Run #Atten: 20 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
) dB/div	Ref Offset 26.7 d Ref 26.70 dBr	в	#Atten: 20 db	M	r1 824.000 MHz -20.476 dBm	Auto Tur
6.7			ſ			Center Fre 824.000000 MF
70 30						Start Fre 822.000000 Mi
3.3			1		-13.00 dBm	Stop Fre 826.000000 MH
3.3		_ ~	por l	James J	RMS	CF Ste 400.000 ki <u>Auto</u> M
3.3						Freq Offs 01
enter 82 Res BW	24.000 MHz	#\/B\//	160 kHz	#Sween	Span 4.000 MHz 1.000 s (1001 pts)	
g				STATU		

LTE B5_5 M_Band Edge_Low_QPSK_1RB



Frequency	09:20:36 PM Jun 24, 2024	ALIGN AUTO	SENSE:INT		RF 50 Q AC	RL
	TRACE 1 2 3 4 5 5 TYPE A WWWW DET A A A A A A	#Avg Type: RMS	Trig: Free Run #Atten: 20 dB	PNO: Wide ↔ IFGain:Low	req 824.000000 N	enter F
Auto Tur	1 823.988 MHz -25.020 dBm	Mkr			Ref Offset 26.7 dB Ref 26.70 dBm) dB/div
Center Fre 824.000000 Mi						6.7
Start Fr 822.000000 M	RMS					30
Stop Fr 826.000000 M	-13.00 dBm		1			3.3
CF Sto 400.000 k Auto M					and the second	3.3
Freq Offs 0						3.3
	Span 4.000 MHz 1.000 s (1001 pts)	#Sween	160 kHz	#VBW	24.000 MHz 51 kHz	
		STATUS		(A 1A)		a

LTE B5_5 M_Band Edge_Low_QPSK_FullRB



				ctrum Analyzer - Swept SA	
Frequency	09:20:55 PM Jun 24, 2024	ALIGN AUTO	SENSE:INT	RF 50 Ω AC	RL
	TRACE 1 2 3 4 5 6 TYPE A WARKAN DET A A A A A A	#Avg Type: RMS	Trig: Free Run #Atten: 20 dB	req 821.000000 MHz PNO: Wide	Center Fr
Auto Tune	1 822.988 MHz -32.273 dBm	Mkı		Ref Offset 26.7 dB Ref 26.70 dBm	0 dB/div
Center Fred 821.000000 MHz					16.7
Start Fred 819.000000 MH;					6.70 3.30
Stop Free 823.000000 MH2	-13.00 dBm				13.3 23.3
CF Step 400.000 kH: Auto Mar	The RMA	an at a total and a second	-		33.3 43.3
Freq Offse 0 H					53.3
	Span 4.000 MHz			21.000 MHz	
	1.000 s (1001 pts)	#Sweep status	300 kHz	100 KH2 #VBW	Res BW 1

LTE B5_5 M_Extended Band Edge_Low_QPSK_FullRB



Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	SENSE:INT	ALIGN AUTO	09:25:21 PM Jun 24, 2024	
enter Freq 849.000000		#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WAYNAWA	Frequency
Ref Offset 26.7 dB 0 dB/div Ref 26.70 dBm	i dumicon	Mk	r1 849.000 MHz -20.645 dBm	Auto Tun
6.7				Center Fre 849.000000 MF
.70				Start Fre 847.000000 MH
3.3			-13.00 dBm	Stop Fre 851.000000 MH
3.3	y service and the service of the ser			CF Ste 400.000 ki Auto M
3.3			RMS	Freq Offs 01
enter 849.000 MHz Res BW 51 kHz	#VBW 160 kHz	#Sweep	Span 4.000 MHz 1.000 s (1001 pts)	
G		STATU		

LTE B5_5 M_Band Edge_High_QPSK_1RB



	M Jun 24, 2024	00:24:24.5	ALIGN AUTO		NSE:INT	cri		- Swept SA 50 Ω AC	ctrum Analyzer	RL RL
Frequency		TRAC	pe: RMS	#Avg T	e Run		PNO: Wide	000000 N		
Auto Tun	08 MHz 53 dBm	1 849.0	Mki		20 08	#Atten: 2	IFGain:Low	et 26.7 dB 70 dBm	Ref Offse Ref 26.	0 dB/div
Center Fre 849.000000 M⊦										16.7
Start Fre 847.000000 Mi							****			.30
Stop Fre 851.000000 MH	-13.00 dBm				● ¹	- to				23.3
CF Ste 400.000 kl Auto Ma	RMS		and for a complete for strong	and and a second se	and a start of the					3.3
Freq Offs 01										3.3
	.000 MHz (1001 pts)	Span 4	#Swaap			160 kHz	#\/B\M	łz	19.000 MI 51 kHz	
	roor pts)	1.000 S (STATUS			100 KH2	#VDVV		JERNZ	G G

LTE B5_5 M_Band Edge_High_QPSK_FullRB



Erequency	4:53 PM Jun 24, 2024	09	ALIGN AUTO		SENSE		AC AC	rum Analyzer - Sw RF 50	RL
Frequency	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A		Type: RMS	1	Trig: Free R #Atten: 20 d	PNO: Wide ↔ IFGain:Low	0000 M	eq 852.00	enter F
Auto Tur	0.056 MHz 4.150 dBm	(r1 8	Mk				6.7 dB d B m	Ref Offset 2 Ref 26.70	dB/div
Center Fre 852.000000 Mi									5.7
Start Fr 850.000000 M									30
Stop Fr 854.000000 M	-13.00 dBm								3.3
CF Sto 400.000 k Auto M					ny the main is a second se				1.3 1
Freq Offs 0	RMS								.3
	an 4.000 MHz) s (1001 pts)	Sp	#Siwoon		300 kHz	#\/D\\/		2.000 MHz 100 kHz	
			#Sweep			#4044			

LTE B5_5 M_Extended Band Edge_High_QPSK_FullRB



	PM Jun 24, 2024	09:27:14 P	LIGN AUTO		NSE:INT	SEL		50 Ω AC	ilent Spectrum An
Frequency		TRAC		#Avg Typ	e Run		PNO: Wide	4.000000 N	
Auto Tui	000 MHz 63 dBm	1 824.0 -31.2	Mkr					fset 26.7 dB 6.70 dBm	Ref B/div Ref
Center Fre 824.000000 Mi				\bigwedge					
Start Fre 822.000000 M									
Stop Fre 826.000000 M	-13.00 dBm				1				
CF St 400.000 k <u>Auto</u> M	RMS	and a second	Ì			f sound			
Freq Offs 0									
	.000 MHz (1001 pts)	Span 4. 1.000 s (#Sweep			300 kHz	#VBW		ter 824.000 s BW 100 I
			STATUS						

LTE B5_10 M_Band Edge_Low_QPSK_1RB



Frequency	6:30 PM Jun 24, 2024		ALIGN AUTO	-	NSE:INT	SE		OΩ AC		RL
	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A A	1	ype: RMS	#Avg T		Trig: Free #Atten: 2	PNO: Wide +++ IFGain:Low	00000 N	req 824.(Center
Auto Tun	3.984 MHz 7.247 dBm	r1 823. -27.	Mk					:26.7 dB 0 dBm	Ref Offset Ref 26.7	0 dB/div
Center Fre 824.000000 MH										16.7
Start Fre 822.000000 MH	RMS			ſ						6.70 3.30
Stop Fre 826.000000 MH	-13.00 dBm				1					13.3 23.3
CF Ste 400.000 kH Auto Ma						and a second second second	4	and the second	£74,6000000000000000000000000000000000000	43.3
Freq Offs 0 F										i3.3
	an 4.000 MHz	Span						z	24.000 MH	
	0 s (1001 pts)		#Sweep			300 kHz	#VBW		100 kHz	Res BV

LTE B5_10 M_Band Edge_Low_QPSK_FullRB



X RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:26:50 PMJun 24, 2024 Frequence Center Freq 821.000000 MHz PNO: Wide Trig: Free Run #Avg Type: RMS TRACE 12 34 5 Auto 1 PNO: Wide Trig: Free Run #Avg Type: RMS Trace 12 34 5 Auto 1 0 dB/div Ref Offset 26.7 dB Mkr1 822.972 MHz -32.320 dBm Auto 1 -09 -32.320 dBm -32.320 dBm -32.320 dBm -321.000000 -16.7 -4.44.44 -4.44.44 -4.44.44 -4.44.44 -4.44.44 -13.00 dEm -4.44.44 -4.44.44 -4.44.44 -4.44.44 -4.44.44
Center Fred 621.000000 Mil2 PN0: Wide + Trig: Free Run #Atten: 20 dB Trig: Free Run #Atten: 20 dB Trig: Free Run #Atten: 20 dB Auto 1 Ref Offset 26.7 dB 32.320 dBm -32.320 dBm Center 821.000000 10 dB/div Ref 26.70 dBm -32.320 dBm Start 819.000000 16.7
Ref Offset 26.7 dB Mkr1 822.972 MHz Auto 1 10 dB/div Ref 26.70 dBm -32.320 dBm Center 16.7
Ref Offset 26.7 dB MIKIT 622.972 WH2 10 dB/div Ref 26.70 dBm -32.320 dBm -09 -32.320 dBm -32.320 dBm 16.7 -330 -59 -330 -1300 dBm -1300 dBm
Note Note Note Note 10 dB/div Ref 26.70 dBm -32.320 dBm Center 200 16.7 1000000000000000000000000000000000000
Og Center 16.7
16.7 6.70 3.30
16.7 6.70 3.30
6.70 Start 3.30 13.00 em
3.30
3.30
3.30
-13.00 dBm
Stop
823.00000
233
33.3 CF
400.00
Auto Auto
43.3
FreqO
533
.63.3
Center 821.000 MHz Span 4.000 MHz
Res BW 100 kHz #VBW 300 kHz #Sweep 1.000 s (1001 pts)
IsG JAlignment Completed STATUS

LTE B5_10 M_Extended Band Edge_Low_QPSK_FullRB



Frequency	1:12 PM Jun 24, 2024 TRACE 1 2 3 4 5 6		ALIGN AUTO	#Avg Ty	ISE:INT	SEI	-		RF 50 Ω	RL Fr
			ve. Kins	worg ty		Trig: Free #Atten: 2	NO: Wide	P	q 849.000	enter Fre
Auto Tur	9.000 MHz 1.107 dBm	kr1	Mk					7 dB IBm	ef Offset 26 ef 26.70 c	dB/div
Center Fre 849.000000 MH							\bigwedge			5.7
Start Fre 847.000000 Mi										30
Stop Fre 851.000000 Mi	-13.00 dBm				1	1		/		.3
CF Ste 400.000 ki Auto M					www			/	1 million	.3
Freq Offs 01	RMS	2								.3
	an 4.000 MHz) s (1001 pts)	<u>۽</u> د 1.	#Sweep			300 kHz	#VBW			enter 849 Res BW 1
	0 s (1001 pts)		#Sweep			300 kHz	#VBW		0 kHz	tes BW 1

LTE B5_10 M_Band Edge_High_QPSK_1RB



Lantar O	49.000 MHz				Span 4.000 MHz	
63.3						
~~~~						0 H
53.3						Freq Offse
43.3						
33.3				the manufacture of the second se	RMS	400.000 kH Auto Ma
			and a second sec			CF Ste
23.3						851.000000 MI
13.3					-13.00 dBm	Stop Fre
3.30						847.000000 MH
6.70						Start Fre
0.70						
16.7						Center Fre 849.000000 MH
0 dB/div	Ref 26.70 dBm	1			-28.947 dBm	
	Ref Offset 26.7 dB	3		Mk	r1 849.000 MHz	Auto Tur
	Teq 049.00000	PNO: Wide	Trig: Free Run #Atten: 20 dB		TYPE A WWWWW DET A A A A A A	
antor E	req 849.00000		SENSE:INT	#Avg Type: RMS	09:30:25 PM Jun 24, 2024 TRACE 1 2 3 4 5 6	Frequency

### LTE B5_10 M_Band Edge_High_QPSK_FullRB



	44 PM Jun 24, 2024	09:30:44	ALIGN AUTO	_	SENSE:INT		wept SA	ctrum Analyzer - Si	RL Agilent
Frequency	RACE 2 3 4 5 6 TYPE A WWWWW DET A A A A A A	#Ava Type: RMS TRACE		Trig: Free Run Atten: 20 dB	Hz PNO: Wide ↔ IFGain:Low		req 852.00		
Auto Tun	.024 MHz .776 dBm	1 850.0 -36.7	Mki			I Gameon	26.7 dB 0 dBm	Ref Offset 2 Ref 26.70	0 dB/div
Center Fre 852.000000 MH									16.7
Start Fre 850.000000 M⊦									6.70
Stop Fre 854.000000 MH	-13.00 dBm								3.3
CF Ste 400.000 kl Auto Ma				And the second second	nanatarite de la caracterite	and a state of the fail of the state of the	areada falandarre	1941 (1945 - 1945 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 -	3.3
Freq Offs 0 F	RMS	and and serve	an a						3.3
	1 4.000 MHz	Span 4					:	52.000 MHz	
	s (1001 pts)		#Sweep		UU KHZ	#VBW 3		100 kHz	

### LTE B5_10 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-2407-FC053 -P