

RL RF 50 Ω AC		SENSE:INT	ALIGN AUTO	02:21:46 PM Dec 04, 2024	Frequency
enter Freq 5.01500000	PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P	Frequency
dB/div Ref 10.00 dBm			Mkr	1 7.278 19 GHz -57.926 dBm	Auto Tune
					Center Free 5.015000000 GH
0.0			1		Start Fre 30.000000 MH
0.0 	mun munder	Jacobin Bartanda and an and	lenten Marthalista and an and a grade a	<sup>134</sup> 1447-444494949494949	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VB\	N 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f 7.2   2 N 1 f 1.8   3 3 4 5 5   5 6 6 7 7	278 19 GHz 884 42 GHz	-57.926 dBm -0.138 dBm		E	Freq Offse 0 H
8 9 9 9 9 9 9 9 1		m		-	

### LTE2\_3 M\_CSE(30 M-10 G)\_Middle Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA					- 6 ×
RL RF 50 Ω AC Center Freq 5.01500000	0 GHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:22:28 PM Dec 04, 2024 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast ++ IFGain:Low	#Atten: 20 dB		TYPE MWWWWW DET PPPPP	4020
0 dB/div Ref 10.00 dBm			Mkr	1 3.100 76 GHz -57.722 dBm	Auto Tune
					Center Fre 5.015000000 GH
00	1				Start Fre 30.000000 MH
0.0 0.0 0.0	washer and the second of the second of the second	ang proved and a second street	under and the second	۲۰۲۰ میروند. مراجعهای میروند میروند میروند از ۲۰	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz		/ 3.0 MHz		Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
	.100 76 GHz .914 33 GHz	Y FU -57.722 dBm -0.179 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
5 6 7 8 9				E	
		m		-	,
G			STATUS		

#### LTE2\_3 M\_CSE(30 M-10 G)\_Highest Channel\_QPSK\_1RB



RL RF 50Ω AC	SENSE:		02:23:19 PM Dec 04, 2024	Pri anna an
enter Freq 5.01500000	PNO: Fast +++ Trig: Free Ru IFGain:Low #Atten: 20 dl		TRACE 23456 TYPE MWWWW DET PPPPP	Frequency
0 dB/div Ref 10.00 dBm		Mkr	1 3.718 90 GHz -57.530 dBm	Auto Tune
				Center Free 5.015000000 GH
	1			Start Fre 30.000000 MH
50.0 <sub>mythill</sub> fall <sub>ed</sub> wh <del>at yezh a sea an an a</del> t sea what w	and the second sec	an-uh Kandafu Bahyyana yana yana yana yana kasa dala k	nandrene fan en	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
1 N 1 f 3.7   2 N 1 f 1.8   3 - - - -   4 - - - -   5 - - - - -   6 - - - - - -   7 - <td>718 90 GHz -57.530 dBm 354 51 GHz -0.257 dBm</td> <td></td> <td></td> <td>Freq Offse 0 H</td>	718 90 GHz -57.530 dBm 354 51 GHz -0.257 dBm			Freq Offse 0 H
8 9 10 11 12				

### LTE2\_5 M\_CSE(30 M-10 G)\_Lowest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA				Transmin Min. Com	
Center Freq 5.01500000	PNO: Fast ++	. Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:24:11 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
0 dB/div Ref 10.00 dBm	IFGain:Low	#Atten, 20 db	Mkr	1 3.688 99 GHz -56.735 dBm	Auto Tune
cg 2 0.00 10.0 20.0					Center Free 5.015000000 GH
	1				Start Fre 30.000000 MH
50.0	erren de frankren de frank	- Bright martiness	للروب بحريبه جاليها ليرز حمو المخصيص	un man man and the faile of	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz		3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f 3.	688 99 GHz 874 45 GHz	-56.735 dBm -0.237 dBm	Pone lon with the	E	Freq Offse 0 H
8 <b></b>		m		-	
SG			STATUS	1	

### LTE2\_5 M\_CSE(30 M-10 G)\_Middle Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA				Terman and the	- 6 🔀
e RL RF 50Ω AC Center Freq 5.015000000	PNO: Fast +++ Iri	g: Free Run tten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:24:53 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
0 dB/div Ref 10.00 dBm	IFGain:Low #A	10 GD	Mkr	1 3.738 84 GHz -56.738 dBm	Auto Tuno
					Center Fre 5.015000000 GH
00	1				Start Fre 30.000000 MH
0.0	in an and and an and a feature of the second	an a	ىلىمەنىلىكى بەللەر بىلىكى ب يەنىپى بىلىكى	anderen the loss days freedown and the state of the state	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3.0	MHz Y FUNC		Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f 3.7	38 84 GHz -56. 14 33 GHz -0.	738 dBm 201 dBm		E	Freq Offse 0 H
sg		m	STATUS		,

### LTE2\_5 M\_CSE(30 M-10 G)\_Highest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA		SENSE:INT	ALIGN AUTO	02:25:43 PM Dec 04, 2024	
enter Freq 5.015000000	PNO: Fast	Trig: Free Run #Atten: 20 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P	Frequency
IO dB/div Ref 10.00 dBm			Mkr	1 3.698 96 GHz -56.564 dBm	Auto Tune
• 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					Center Free 5.015000000 GH
30.0	1				Start Free 30.000000 MH
60.0 <u>10.0</u> 80.0	month and the	ersternetstellimet in gevenik	handere and a second	للحصي عاصلا عن المرين ويتاجر عن معر المرين المرين معر المعر المعربة المرين والمعر المعربة الم	<b>Stop Fre</b> 10.00000000 GH
Res BW 1.0 MHz	#VBW 3		Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	<b>CF Ste</b> 997.000000 MH <u>Auto</u> Ma
2 N 1 f 1.85 3 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		6.564 dBm 0.114 dBm			Freq Offse 0 H
9 10 11 11 sg		m	STATUS	-	

### LTE2\_10 M\_CSE(30 M-10 G)\_Lowest Channel\_QPSK\_1RB



RL RF 50 Ω AC enter Freq 5.015000000	CH-	SENSE:INT	ALIGN AUTO	02:26:35 PM Dec 04, 2024	Printer and
and the second second second second	PNO: Fast	Trig: Free Run #Atten: 20 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
dB/div Ref 10.00 dBm	IFGamicow	WAREN, 20 GD	Mkr	1 3.330 07 GHz -57.000 dBm	Auto Tuno
					Center Free 5.015000000 GH
0.0	1				Start Fre 30.000000 MH
0.0 0.0 0.0	- and the second s	and a stand and a stand of the stand	and a second	er fangen New Langer par Bahaisen Maderik	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
1 N 1 f 3.3   2 N 1 f 1.8   3 - - - -   4 - - - -   5 - - - - -   6 - <td>30 07 GHz 74 45 GHz</td> <td>-57.000 dBm 0.068 dBm</td> <td>Polenokvibin</td> <td>E</td> <td>Freq Offse 0 H</td>	30 07 GHz 74 45 GHz	-57.000 dBm 0.068 dBm	Polenokvibin	E	Freq Offse 0 H
		п			

### LTE2\_10 M\_CSE(30 M-10 G)\_Middle Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA   RL RF 50 Ω AC	SENSE:INT	ALIGN AUTO	02:27:19 PM Dec 04, 2024	- 8 ×
enter Freq 5.015000000		#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P	Frequency
dB/div Ref 10.00 dBm		Mkr	2.582 32 GHz -57.352 dBm	Auto Tun
				Center Fre 5.015000000 GH
	1			Start Fre 30.000000 M⊦
0.0	harring and the second and a second and the	and faith and a second	an a	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 1	Stop 10.000 GHz 5.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f 2.5	82 32 GHz -57.352 dBm 14 33 GHz -0.230 dBm		E	Freq Offse 0 H
	m			

#### LTE2\_10 M\_CSE(30 M-10 G)\_Highest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA	-	-		100000-00000-0000	
RL RF 50 Ω AC enter Freq 5.015000000	GHz PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:28:10 PMDec 04, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P	Frequency
dB/div Ref 10.00 dBm			Mkr	1 6.490 56 GHz -57.046 dBm	Auto Tun
2 00 00 00					Center Fre 5.015000000 GH
			1		Start Fre 30.000000 MH
0.0 0.0 0.0	Arrow and the second	and a second	ent anter determinenter anter	rades in provident the second states and the second second second second second second second second second se	Stop Fre 10.000000000 GH
art 30 MHz Res BW 1.0 MHz	#VBW	/ 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
N 1 f 6.4!   2 N 1 f 1.8!   3 4 - - -   4 - - - -   5 - - - -   6 - - - -   8 - - - -	90 56 GHz 54 51 GHz	-57.046 dBm -0.239 dBm		PONCTION VALUE	Freq Offse 0 H
9 0 1 1		m		-	

### LTE2\_15 M\_CSE(30 M-10 G)\_Lowest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA   RL RF 50 Ω AC	1	SENSE:INT	ALIGN AUTO	02:29:02 PM Dec 04, 2024	
enter Freq 5.015000000	GHz PNO: Fast ↔ IFGain:Low		#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
dB/div Ref 10.00 dBm			Mkr	1 3.290 19 GHz -57.369 dBm	Auto Tun
29 22 00 22 00 20 00 20					Center Fre 5.015000000 GH
0.0	11				Start Fre 30.000000 MH
0.0 Ny marana amin'ny manana amin'ny manana 0.0	the states of the	ren <mark>terenterenterenterenterenterenterent</mark>	freed at the start of the start	anastra napanahatan I	Stop Fre 10.000000000 GF
REAL STATES AND A	#VBV	V 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
	90 19 GHz 74 45 GHz	-57.369 dBm -0.613 dBm		E	Freq Offs 0 F
7		m			

### LTE2\_15 M\_CSE(30 M-10 G)\_Middle Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA				
RL RF 50 Ω AC center Freq 5.015000000	PNO: Fast Trig: Free		02:29:45 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
0 dB/div Ref 10.00 dBm	IFGain:Low #Atten: 20		r1 2.721 90 GHz -58.065 dBm	Auto Tune
				Center Fre 5.015000000 GH
				Start Fre 30.000000 MH
50.0 	and the second second	ygynnyddiaenda ddar ywlaegollae yndafysnagge	ningthy of work and a second and the second s	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep	Stop 10.000 GHz 16.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
1 N 1 f 2.7	721 90 GHz -58.065 dBr 114 33 GHz -0.316 dBr	m		Freq Offse 0 H
9 9 10 11 11 11 11 11 11 11 11 11 11 11 11	m	STATI	-	

### LTE2\_15 M\_CSE(30 M-10 G)\_Highest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	1 1 2	ENSE:INT ALIGN A	UTO 02:30:35 PM Dec 04, 2024	
enter Freq 5.015000000		#Avg Type: RMS ee Run		Frequency
dB/div Ref 10.00 dBm		Ν	Akr1 3.698 96 GHz -57.264 dBm	Auto Tun
				Center Fre 5.015000000 GH
0.0	1			Start Fre 30.000000 MH
0.0 minutation and an and a second se	www.and	gerlangenten kontenten ter anderen gertander anderen gertander anderen anderen anderen anderen anderen anderen	and an and a second a second a second a second	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3.0 MH	z Swee	Stop 10.000 GHz p 16.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
1 N 1 f 3.6	98 96 GHz -57.264 54 51 GHz -0.330 (	dBm		Freq Offse 0 H
	m			

### LTE2\_20 M\_CSE(30 M-10 G)\_Lowest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA					
RL RF 50 Ω AC nter Freq 5.015000000	PNO: Fast ↔	SENSE:INT Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:31:28 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
dB/div Ref 10.00 dBm	IP Gall.LOW	Witten 20 GD	Mkr	1 5.832 54 GHz -57.053 dBm	Auto Tune
					Center Fre 5.015000000 GH
			1		Start Fre 30.000000 MH
0 velagene gelenne for and and and a second and a	in and a supply of the	an a	hinsonia, and a second and a	niku-yahayahaya darihada kutangi t	Stop Fre 10.000000000 GH
art 30 MHz es BW 1.0 MHz	#VBW	3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
N 1 f 5.8 N 1 f 1.8	332 54 GHz 374 45 GHz	-57.053 dBm -0.300 dBm		PONCTION VALUE	Freq Offse 0 H
		m			
			STATUS	5	

### LTE2\_20 M\_CSE(30 M-10 G)\_Middle Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	1	SENSE:INT	ALIGN AUTO	02:32:10 PM Dec 04, 2024	
Center Freq 5.015000000	PNO: Fast ↔ IFGain:Low		#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P	Frequency
0 dB/div Ref 10.00 dBm			Mkr	1 3.698 96 GHz -56.511 dBm	Auto Tune
• cg 0 00 10 0 20 0					Center Free 5.015000000 GH
	1				Start Fre 30.000000 MH
50.0 	-	and the plan and the second second second	and and a second se	ىلىدىم مەلەرىغەرىلىرىكى كەركىرىكى كەركىيىكى بىلىكىيىكى بىلىكىيىكى بىلىكىيىكى بىلىكىيىكى بىلىكىيىكى بىلىكىيىكى	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBV	V 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f 3.6   2 N 1 f 1.5   3 - - - -   4 - - - -   5 - - - - -   6 - - - - - -   7 - <td>98 96 GHz 14 33 GHz</td> <td>-56.511 dBm -0.318 dBm</td> <td></td> <td>E E</td> <td>Freq Offse 0 H</td>	98 96 GHz 14 33 GHz	-56.511 dBm -0.318 dBm		E E	Freq Offse 0 H
8 9 10 11 11		m		-	

# LTE2\_20 M\_CSE(30 M-10 G)\_Highest Channel\_QPSK\_1RB



- 6 🐱				trum Analyzer - Swept SA	
Frequency	02:18:44 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	RF 50 Ω AC req 15.000000000 GHz PNO: Fast ↔	Center Fr
Auto Tune	/kr1 19.50 GHz -73.246 dBm		#Atten. v db	IFGain:High	10 dB/div
Center Freq 15.000000000 GHz					-30.0
Start Freq 10.000000000 GHz					40.0 50.0
Stop Freq 20.000000000 GHz	1				60.0 70.0
CF Step 1.000000000 GHz <u>Auto</u> Man		and he for the stand of the sta	manyedinatiklarikanika	nusses and the service of the servic	80.0 Norther Market Market 90.0
Freq Offset 0 Hz					-100
	Stop 20.000 GHz 5.00 ms (1001 pts)	Swaan	3.0 MHz	00 GHz	Start 10.00
		Sweep	5.0 14112	#VDV	ASG

### LTE2\_1.4 M\_CSE(10 G-20 G)\_Lowest Channel\_QPSK\_1RB



- 6 X				trum Analyzer - Swept SA	and the second second second second
Frequency	02:19:35 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	RF 50 Ω AC req 15.000000000 GHz PNO: Fast → IFGain:High	Center Fi
Auto Tune	/kr1 19.19 GHz -73.561 dBm	I	WILLIN OUD	Ref -20.00 dBm	10 dB/div
Center Freq 15.000000000 GHz					- <b>o</b> g
Start Freq 10.000000000 GHz					40.0. 50.0.
Stop Freq 20.000000000 GHz	1				70.0
CF Step 1.00000000 GHz Auto Man		d.regNariolderoodd <sub>ar</sub> obillooddwro	ubaaybhaa Andhay Addaa bad	an and and a strain a	80.0 wr*~wr
Freq Offset 0 Hz					-100
	Stop 20.000 GHz 5.00 ms (1001 pts)	Swaap 2	3.0 MHz		Start 10.0
		Sweep 2	510 14112	#VDV	ISG

### LTE2\_1.4 M\_CSE(10 G-20 G)\_Middle Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA				Transfer Transferration	- 6 🐱
RL RF 50 Q AC Center Freq 15.0000000	PNO: Fast	SENSE:INT Trig: Free Run #Atten: 0 dB	#Avg Type: RMS	02:20:18 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBn	n oominign	#Atten: 0 db		Mkr1 18.89 GHz -72.667 dBm	Auto Tune
30.0					Center Freq 15.000000000 GHz
40.0					Start Freq 10.000000000 GHz
60.0				1	Stop Freq 20.000000000 GHz
80.0	alana ang alang gaasedah	haalaa haan waadha	in as he wild the spill of the second	ar Hohman her an Artin an an an Arting State	CF Step 1.000000000 GHz <u>Auto</u> Man
-100					Freq Offset 0 Hz
-110 Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3	0 MHz	Sween	Stop 20.000 GHz 25.00 ms (1001 pts)	
ISG	<i>"</i> ••••••••••••••••••••••••••••••••••••		STATU		

# LTE2\_1.4 M\_CSE(10 G-20 G)\_Highest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA			Transaction and Arran	- 6 ×
RL RF 50 Q AC Center Freq 15.0000000	SENSE:INT DOO GHZ PNO: Fast Trig: Free Run IFGain:High #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	02:21:08 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBm	n oomingn	1	/kr1 18.67 GHz -73.007 dBm	Auto Tune
30.0				Center Freq 15.000000000 GHz
40.0 50.0				Start Fred 10.000000000 GHz
60.0			1	Stop Fred 20.000000000 GHz
80.0 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	adalanasi afa kanggala setalkaka ala kang apali sela da	naitheannanaichteannan an a		CF Step 1.000000000 GH: <u>Auto</u> Mar
-100				Freq Offse 0 H;
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz	Sween 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
ISG		STATUS	- Constant of the second se	

### LTE2\_3 M\_CSE(10 G-20 G)\_Lowest Channel\_QPSK\_1RB



- 6 💌	Internet and the second		2011 - 10 m - 10		ctrum Analyzer - Swept SA	
Frequency	02:22:00 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	PNO: Fast	RF 50 Ω AC req 15.00000000	Center F
Auto Tune	/kr1 19.19 GHz -73.656 dBm	r	#Atten. v db	IFGain:High	Ref -20.00 dBm	10 dB/div
Center Freq 15.000000000 GHz						- <b>og</b> 30.0
Start Freq 10.000000000 GHz						40.0. 50.0
Stop Freq 20.000000000 GHz	1					50.0 70.0
CF Step 1.000000000 GHz Auto Man		al filter and a standard	Josephilippin Jawyodowicza	wennedelalagendersterf	consumption and considered the m	80,0 1 <b>1</b>
Freq Offset 0 Hz						-100
	Stop 20.000 GHz 5.00 ms (1001 pts)	Swaen-2	3.0 MHz	#\/P\/		Start 10.0
		sweep 2	5.0 19112	#VBW		#Res BW

### LTE2\_3 M\_CSE(10 G-20 G)\_Middle Channel\_QPSK\_1RB



- 6 ×	Terrorite Terrorite			n Analyzer - Swept SA	
Frequency	02:22:43 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	RF 50 Ω AC q 15.000000000 GHz PNO: Fast ↔	Center Fr
A state of the state	Akr1 18.97 GHz -73.273 dBm	ſ	#Atten: 0 dB	IFGain:High	10 dB/div
Center Fred 15.000000000 GHz					30.0
Start Fred 10.000000000 GH2					40,0
Stop Fred 20.000000000 GHz	1				70.0
CF Step 1.000000000 GH: <u>Auto</u> Mar		din de la construcción de la constru	and the share of the manufacture	with the set of the second parts and the second	80.0 Mhulphu 90.0
Freq Offse 0 H;					-100
	Stop 20.000 GHz 5.00 ms (1001 pts)	Swaan 2	3.0 MHz		Start 10.00
		SWEED Z		**************************************	ISG

# LTE2\_3 M\_CSE(10 G-20 G)\_Highest Channel\_QPSK\_1RB



- 6 ×	Test set for the set of the set				gilent Spectrum Analyzer - Swept S	
Frequency	02:23:33 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	50 Ω AC .000000000 GHz PNO: Fast ↔ IFGain:High	nter Freq 15.00000	Cente
Auto Tune	kr1 16.36 GHz -73.336 dBm	1	WAILEN. O GD		B/div Ref -20.00 dB	10 dB/c
Center Freq 15.000000000 GHz						<b>og</b>
Start Freq 10.000000000 GHz						40,0
Stop Freq 20.000000000 GHz		1				60.0
CF Step 1.000000000 GHz Auto Man	hyphiantheotophilainalla	surficture to the second of	alsonades to gold the while	denter Malakana Marana germana ana data Art	A radio and a contraction of the second	-80,0
Freq Offset 0 Hz						-100
	Stop 20.000 GHz 5.00 ms (1001 pts)	Sween 2	3.0 MHz		rt 10.000 GHz es BW 1.0 MHz	
		SWGCP	010 10112	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		ISG

### LTE2\_5 M\_CSE(10 G-20 G)\_Lowest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA		_		Transfer the Store	- 5 🐱
RL RF 50 Ω AC Center Freq 15.000000000	PNO: Fast - Trig: Fr		#Avg Type: RMS	02:24:25 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High #Atten:	U dB		Mkr1 18.93 GHz -72.938 dBm	Auto Tune
30.0					Center Freq 15.000000000 GHz
40.0					Start Freq 10.000000000 GHz
.60.0				1	Stop Freq 20.000000000 GHz
0.03	yeanyadadayaanaanaanaanaanaanaanaanaanaanaanaanaa	unterlypend	an allandraha para ana ana ana ana ana ana ana ana ana	oformarian funty anara	CF Step 1.000000000 GHz Auto Man
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3.0 MH	7	Swaan	Stop 20.000 GHz 25.00 ms (1001 pts)	
		2	Sweep		

# LTE2\_5 M\_CSE(10 G-20 G)\_Middle Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA				Transa and the second second	- 6 ×
XI RL RF 50 Ω AC Center Freq 15.0000000	DOO GHz	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	02:25:07 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBn	n oominign		I	/lkr1 18.90 GHz -72.810 dBm	Auto Tune
30.0					Center Freq 15.000000000 GHz
40.0 50.0					Start Freq 10.000000000 GHz
60.0				1	Stop Freq 20.000000000 GHz
0.08 hereastructure at the second second	portuning of the property day that	should be seen and the series	hat a strange with a sead	agenterade Alacherman ale	<b>CF Step</b> 1.000000000 GH: <u>Auto</u> Mar
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3	1.0 MHz	Sween 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
ISG			STATUS	- Contraction of the second	

# LTE2\_5 M\_CSE(10 G-20 G)\_Highest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA	1			Local Street, Some	- 8 -
RL RF 50 Ω AC Center Freq 15.000000	000 GHz PNO: Fast	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:25:58 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBi	IFGain:High	#Atten: 0 dB	r	/kr1 16.68 GHz -72.587 dBm	Auto Tune
30.0					Center Fred 15.000000000 GHz
40.0					Start Free 10.000000000 GH:
60.0			1		Stop Free 20.000000000 GH;
30.0 totalshare and total and the	and the state of the state of the	allowshippy and may	wooden with the indernations of	dicentere hand what does not	CF Step 1.000000000 GH <u>Auto</u> Mar
100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#\/BW	3.0 MHz	Sween 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
ISG			STATUS		

# LTE2\_10 M\_CSE(10 G-20 G)\_Lowest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA	_			Transfer the state of	- 6 🐱
Center Freq 15.00000000	PNO: Fast	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:26:50 PMDec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
0 dB/div Ref -20.00 dBm	ir Gamangn		Ν	/kr1 19.24 GHz -72.838 dBm	Auto Tune
30.0					Center Freq 15.000000000 GHz
40.0					Start Freq 10.000000000 GHz
50.0					Stop Freq 20.000000000 GHz
80.0 pt. J.	alan yayaya di kayan ya Manaya da	en and the second states and the second s	randerectertentert planet og og provinderten og be	nativestimetration dependences	CF Step 1.000000000 GHz <u>Auto</u> Man
-100					Freq Offset 0 Hz
Start 10.000 GHz Res BW 1.0 MHz	#VBW 3.	0 MHz	Sween 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
sg			STATUS		

### LTE2\_10 M\_CSE(10 G-20 G)\_Middle Channel\_QPSK\_1RB



- 6 ×	The second second second			zer - Swept SA	Agilent Spectrum Analyze
Frequency	02:27:34 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	50 Ω AC .000000000 GHz PNO: Fast ↔ IFGain:High	Center Freq 15.
Auto Tune	/kr1 17.88 GHz -72.956 dBm	I	WAILEN. V UD	20.00 dBm	10 dB/div Ref -2
Center Freq 15.000000000 GHz					30.0
Start Freq 10.000000000 GHz					40.0
Stop Freq 20.000000000 GHz	1				-60.0
CF Step 1.000000000 GHz <u>Auto</u> Man	eppersections in the second sectors in the second sectors in the second sector in the second sector is the second s	and an and a second a second a second a second	Aller all the count of the state of the	inger versen frikken verse handelige bland	-80,0 34
Freq Offset 0 Hz					-100
	Stop 20.000 GHz 5.00 ms (1001 pts)	Sweep 2	3.0 MHz		Start 10.000 GHz #Res BW 1.0 MHz
		STATUS			ASG

# LTE2\_10 M\_CSE(10 G-20 G)\_Highest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA			Transa da Transferia	- 6 ×
RL RF 50 Ω AC Center Freq 15.00000000	PNO: Fast + Trig: Free Run	ALIGN AUTO #Avg Type: RMS	02:28:24 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
IO dB/div Ref -20.00 dBm	IFGain:High #Atten: 0 dB		Mkr1 18.98 GHz -73.755 dBm	Auto Tune
30.0				Center Fred 15.000000000 GH;
40.0 50.0				Start Free 10.000000000 GH:
70.0			11	Stop Free 20.000000000 GH
30.0 Martineeting/wardhamithatertaget	ware to be a for the state of t	alla dharradh dharradh an		<b>CF Stej</b> 1.000000000 GH <u>Auto</u> Ma
100				Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz	Suraan	Stop 20.000 GHz 25.00 ms (1001 pts)	
	#VOVV 5.0 WITZ	Sweep		

# LTE2\_15 M\_CSE(10 G-20 G)\_Lowest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA				Territoria de la composición de la comp	- 6 ×
Center Freq 15.000000000	PNO: Fast +>+	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:29:17 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
0 dB/div Ref -20.00 dBm	IFGain:High	Alten v db	ſ	/kr1 18.52 GHz -73.334 dBm	Auto Tune
og 30.0					Center Freq 15.000000000 GHz
10.0					Start Freq 10.000000000 GHz
70.0				1	Stop Freq 20.000000000 GHz
30.0 	ware low wards a	hangaar algo the had been a	by and makes the strange was a destrict and the second strategy and the second strategy and the second strategy	a survey and a survey of the s	CF Step 1.000000000 GHz Auto Man
100					Freq Offset 0 Hz
tart 10.000 GHz Res BW 1.0 MHz	#VBW 3	0 MH2	Swoon-2	Stop 20.000 GHz 5.00 ms (1001 pts)	
	#4044.2		Sweep 2		

### LTE2\_15 M\_CSE(10 G-20 G)\_Middle Channel\_QPSK\_1RB



- 6 🔀				ctrum Analyzer - Swept SA	
Frequency	02:29:59 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	RF 50 Ω AC   req 15.000000000 GHz PNO: Fast →   IFGain:High IFGain:High IFGain:High	
Auto Tune	kr1 18.88 GHz -73.267 dBm		WALLEN, V UD	Ref -20.00 dBm	10 dB/div Ref -
Center Freq 15.000000000 GHz					-30.0
Start Freq 10.000000000 GHz					-40,0 -50,0
<b>Stop Freq</b> 20.000000000 GHz					-70.0
CF Step 1.000000000 GHz Auto Man	weekerens warmen paraget for fich	nonsumbergen og nishored mere	strongestonesser and hoved	rdayaftandiftalaingtatinananan tipitanangtating	80.0 90.0
Freq Offset 0 Hz					-100
	Stop 20.000 GHz		2.0.844-	100 GHz	Start 10.000 GH
	5.00 ms (1001 pts)	sweep	3.0 MHz	1.0 WIN2 #VBW	#Res BW 1.0 MH

# LTE2\_15 M\_CSE(10 G-20 G)\_Highest Channel\_QPSK\_1RB



- 0 *	Trans. And The Arrest				Agilent Spectrum Analyzer - Sv
Frequency	02:30:50 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	#Avg Type: RMS	SENSE:INT	F 50 Ω AC 15.000000000 GHz PNO: Fast ↔	
Auto Tune	/kr1 16.63 GHz -73.367 dBm	Ν	#Atten: 0 dB	IFGain:High	dB/div Ref -20.0
Center Fred 15.000000000 GHz					.0
Start Fred 10.000000000 GH:					0.0
Stop Free 20.000000000 GH		1			0.0
CF Step 1.000000000 GH Auto Mar	เว <sub>ยาก</sub> ับขางหลังของช่อง <sub>เ</sub> รณ์กุละเรื่องการเป็นป	oran-lala bootstaalloonan on A	phaseheernelkoisodytereise	or for the territory of the	0.0 www.www.www.
Freq Offse 0 H					100
	Stop 20.000 GHz 5.00 ms (1001 pts)	Sween 2	3.0 MHz		tart 10.000 GHz Res BW 1.0 MHz
		STATUS	oro-miniz		G

# LTE2\_20 M\_CSE(10 G-20 G)\_Lowest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA				Transfer and the second	- 6 ×
RL RF 50 Ω AC Center Freq 15.000000	000 GHz PNO: Fast	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	02:31:42 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE M	Frequency
10 dB/div Ref -20.00 dBr	IFGain:High	#Atten: 0 db	Ν	/kr1 19.23 GHz -72.952 dBm	Auto Tune
- <b>og</b> 30.0					Center Freq 15.000000000 GHz
50.0					Start Freq 10.000000000 GHz
60.0				1	Stop Freq 20.000000000 GHz
80.0 mainaichear-chuiseannacha	water and the second and a second	dendsschells reduction and	aponerithetheres fraise	ayorupmystrationalisestumon	CF Step 1.000000000 GHz Auto Man
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\//	3.0 MHz	Swaap 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
	# 0 B 0 0	0.0-141112	Sweep 2		

### LTE2\_20 M\_CSE(10 G-20 G)\_Middle Channel\_QPSK\_1RB



					Agilent Spectrum Analyzer -
Frequency	02:32:24 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	50 Ω AC 15.000000000 GHz PNO: Fast	
Auto Tune	/kr1 18.56 GHz -72.221 dBm	1	#Atten: 0 db	IFGain:High	10 dB/div Ref -20.
Center Freq 15.000000000 GHz					-30.0
Start Freq 10.000000000 GHz					40.0
Stop Freq 20.000000000 GHz	1				60.0
CF Step 1.000000000 GHz Auto Man		Unterlander and the second second second	lampulauknudaluhin	อร์การแกรมรู้ให้สุดทรางรูปสาหารูประกับเรื่องเป็นเป็น	80.0 <b>Herein Manner (1.16)</b>
Freq Offset 0 Hz					-100
	Stop 20.000 GHz 5.00 ms (1001 pts)	Swaap 2	3.0 MHz		-110 Start 10.000 GHz #Res BW 1.0 MHz
		Sweep	5.0 191112	#VBW	

# LTE2\_20 M\_CSE(10 G-20 G)\_Highest Channel\_QPSK\_1RB



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

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

No.	Description
1	HCT-RF-2412-FC023-P