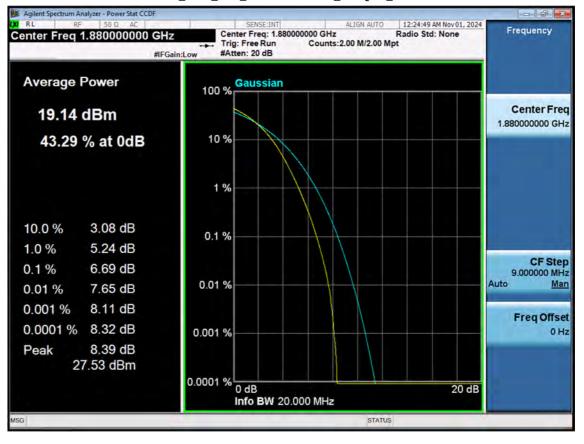


#### LTE2\_20 M\_PAR\_Middle Channel\_64QAM\_FullRB





#### LTE2\_20 M\_PAR\_Middle Channel\_256QAM\_FullRB



Agilent Spectrum Analyzer - Swept SA	-			100000000000000000000000000000000000000	
enter Freq 5.015000000	PNO: Fast +++	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:18:28 PMDec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
DdB/div Ref 10.00 dBm	IPGam.Low		Mkr	1 3.698 96 GHz -57.608 dBm	Auto Tun
					Center Fre 5.015000000 GH
0.0	1				Start Fre 30.000000 MH
0.0 <b></b>	New and the	and a state of the		weyen and a strate	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3		Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
N         1         f         3.65           2         N         1         f         1.88           3         -         -         -         -           4         -         -         -         -           5         -         -         -         -           6         -         -         -         -           7         -         -         -         -           8         -         -         -         -		7.608 dBm 0.449 dBm		E	Freq Offse 0 H
9 10 10 10 10 10 10 10 10 10 10 10 10 10		Ű.			

#### LTE2\_1.4 M\_CSE(30 M-10 G)\_Lowest Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC		SENSE:INT	ALIGN AUTO	02:19:21 PM Dec 04, 2024	
enter Freq 5.0150000			#Avg Type: RMS	TRACE 2 3 4 5 6 TYPE MWWWWW DET PPPPPP	Frequency
dB/div Ref 10.00 dBn	n		Mkr	1 6.231 34 GHz -58.071 dBm	Auto Tun
2 00 00					Center Fre 5.015000000 GH
0.0 0.0 0.0					Start Fre 30.000000 MH
0.0 	alataran and states to say the	Desageren ander ander ander ander ander ander ander ander and	nyelyesekterissellen sylvetering felsesseller en sylvete	man and market when an advertised to see the	Stop Fre 10.000000000 GH
REAL STATES AND A	#VBM	/ 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
N         1         f           2         N         1         f           3         -         -         -           4         -         -         -           5         -         -         -           6         -         -         -	6.231 34 GHz 1.884 42 GHz	-58.071 dBm -0.134 dBm	Ponchorwidh	E	Freq Offse 0 H
		m		-	
3			STATUS		

#### LTE2\_1.4 M\_CSE(30 M-10 G)\_Middle Channel\_QPSK\_1RB



Agilent Spectrum Analyzer - Swept SA				Transition of Carrier	- 8 - 2
RL RF 50Ω AC Center Freq 5.015000000	OGHZ PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:20:03 PM Dec 04, 2024 TRACE 2 3 4 5 6 TYPE M	Frequency
0 dB/div Ref 10.00 dBm	IFGam.Low	Writen. 15 db	Mkr	1 3.130 67 GHz -57.304 dBm	Auto Tune
-og 0.00 10.0 20.0					Center Fred 5.015000000 GHz
40:0 50.0	1				Start Free 30.000000 MH;
60.0 70.0 80.0	was weather way to we	and a second	na na na filin an finn an air an fas children an sa	and range and a faith a faith a faith a faith a faith a faith a	Stop Free 10.000000000 GH;
Start 30 MHz Res BW 1.0 MHz	#VBV	V 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Step 997.000000 MH: Auto Mar
	130 67 GHz 914 33 GHz	-57.304 dBm -0.359 dBm		E	Freq Offset 0 Hz
7 8 9 9 10 11					
SG			STATUS		

## LTE2\_1.4 M\_CSE(30 M-10 G)\_Highest Channel\_QPSK\_1RB



RL RF 50Ω AC	SENSE:IN		02:20:54 PM Dec 04, 2024	Frequency
enter Freq 5.01500000	PNO: Fast +++ IFGain:Low #Atten: 20 dB		TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P	in the second
0 dB/div Ref 10.00 dBm		Mkr	1 6.889 36 GHz -58.140 dBm	Auto Tune
				Center Free 5.015000000 GH
30.0				Start Free 30.000000 MH
0.0 0.0 0.0	new website were and a star we	nen fran e antre en he en he en	494444,11-484,49444944444444444444444444444444444	<b>Stop Fre</b> 10.00000000 GH
Itart 30 MHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Step 997.000000 MH <u>Auto</u> Mar
1 N 1 f 6.8	389 36 GHz -58.140 dBm 354 51 GHz -0.404 dBm			Freq Offse 0 Hi
9 <b>22 22 22</b> 10 <b>23 22</b> 11 <b>23 23 23</b>	ш			

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



Agilent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGN AUTO	02:21:46 PM Dec 04, 2024	
Center Freq 5.015000000		#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
0 dB/div Ref 10.00 dBm		Mkr	1 7.278 19 GHz -57.926 dBm	Auto Tune
				Center Free 5.015000000 GH
10.0 10.0		1		Start Fre 30.000000 MH
0.0 <u> <u> <u> </u> <u> </u></u></u>	**************************************	handen of an and the stand of the speed of the stand of the speed of the speed of the stand of the speed of the	tartus and a barren paral for the same	<b>Stop Fre</b> 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)	<b>CF Ste</b> 997.000000 MH <u>Auto</u> Ma
1         N         1         f         7.2           2         N         1         f         1.8           3         -         -         -         -           4         -         -         -         -           5         -         -         -         -           6         -         -         -         -           7         -         -         -         -           8         -         -         -         -	278 19 GHz -57.926 dBm 384 42 GHz -0.138 dBm		E	Freq Offse 0 H
9 10 11 SG	m	STATUS		

#### LTE2\_3 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	02:22:28 PM Dec 04, 2024	
enter Freq 5.015000000	PNO: Fast +++	Trig: Free Run #Atten: 20 dB	#Avg Type: RMS	TRACE 2 3 4 5 6 TYPE WWWWW DET PPPPP	Frequency
D dB/div Ref 10.00 dBm			Mkr	3.100 76 GHz -57.722 dBm	Auto Tun
					Center Fre 5.015000000 GH
0.0	1				Start Fre 30.000000 MH
0.0 anorementaria and an and a second and a	and the second	anna an ann an an ann an ann an ann an a	hallofine contraction the spectra second	مىلى يەرەپىرىمە ئەھەرىيە بەرەپىيە ئەيرىمە ئەيىرىمە ئەيىرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئە ئىلىرىمە ئەلەرىمە ئەمەرىمە ئەرەپىرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئەيرىمە ئە	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3		Sweep 1	Stop 10.000 GHz 5.67 ms (1001 pts)	CF Ste 997.000000 MH Auto Ma
1         N         1         f         3.1           2         N         1         f         1.9           3         4         -         -         -           5         -         -         -         -           6         -         -         -         -         -           7         -         -         -         -         -         -		57.722 dBm -0.179 dBm		E	Freq Offse 0 ⊦
8					

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



RL RF 50Ω AC		SENSE:INT	ALIGN AUTO	02:23:19 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 WWWW DET P P P P P P	
0 dB/div Ref 10.00 dBm			Mkr	1 3.718 90 GHz -57.530 dBm	Auto Tune
					Center Fred 5.015000000 GH;
30.0 40.0 50.0	1				Start Free 30.000000 MH
50.0 	mangel		ndefuetornytomenyteto(nyrstansetskiptur	and and the state of the state	<b>Stop Free</b> 10.000000000 GH
Res BW 1.0 MHz	#VBV	V 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	<b>CF Ste</b> 997.000000 MH <u>Auto</u> Ma
1 N 1 f 3.7	18 90 GHz 54 51 GHz	-57.530 dBm -0.257 dBm			Freq Offse 0 H
		m.		•	

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



Agilent Spectrum Analyzer - Swept SA	SENS	SE:INT ALIGN AUTO	02:24:11 PM Dec 04, 2024	
enter Freq 5.01500000	PNO: Fast ++ Trig: Free IFGain:Low #Atten: 20		TRACE 1 2 3 4 5 6 TYPE MWWWWW DET PPPPP	Frequency
10 dB/div Ref 10.00 dBm		Mkr	1 3.688 99 GHz -56.735 dBm	Auto Tune
-og 22 0.00 10.0 20.0				Center Fred 5.015000000 GH;
40.0 50.0	1			Start Free 30.000000 MH
50.0	were some for an	د	the manual and the second	<b>Stop Free</b> 10.000000000 GH
Itart 30 MHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	<b>CF Ste</b> 997.000000 MH <u>Auto</u> Ma
1         N         1         f         3.6           2         N         1         f         1.8           3         -         -         -         -           4         -         -         -         -           5         -         -         -         -         -           6         -         -         -         -         -         -           8         - <td>588 99 GHz -56.735 dB 74 45 GHz -0.237 dB</td> <td>m</td> <td>E</td> <td>Freq Offse 0 H</td>	588 99 GHz -56.735 dB 74 45 GHz -0.237 dB	m	E	Freq Offse 0 H
9 10 11 11	(1)	STATU		

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



Agilent Spectrum Analyzer - Swept SA					
enter Freq 5.015000000	PNO: Fast Tri	g: Free Run tten: 20 dB	ALIGN AUTO	02:24:53 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
D dB/div Ref 10.00 dBm	IFGain:Low #A	1101. 20 GB	Mkr	1 3.738 84 GHz -56.738 dBm	Auto Tune
					Center Free 5.015000000 GH
0.0 0.0 0.0	1				Start Fre 30.000000 MH
00 mar 10	and the second	and a stand of the	สนุการมูปกระสาทธุรรรม	andaa	<b>Stop Fre</b> 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3.0			Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f 3.7		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				Terrarda mente deren	
RL RF 50 Ω AC Center Freq 5.015000000	PNO: Fast	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:25:43 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 dB	Mkr	1 3.698 96 GHz -56.564 dBm	Auto Tune
					Center Free 5.015000000 GH
40.0	1				Start Fre 30.000000 MH
50.0 10.0 80.0	and the second of the second o	مىلىنى بىلىنى بىلىن بىلىنى بىلىنى	hand market and the second	and a start and a start and a start and a start	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)	<b>CF Ste</b> 997.000000 MH <u>Auto</u> Ma
2 N 1 f 1.8 3 4 5 5 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	98 96 GHz 54 51 GHz	-56.564 dBm -0.114 dBm		E	Freq Offse 0 H
7 8 9 10 11		m			
SG			STATUS		

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



RL RF 50Ω AC		SENSE:INT	ALIGN AUTO	02:26:35 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 WWWW DET P P P P P P	h anna
0 dB/div Ref 10.00 dBm			Mkr	1 3.330 07 GHz -57.000 dBm	Auto Tune
					Center Free 5.015000000 GH
40.0	1				Start Free 30.000000 MH
50.0		plantalipensternethernethors o	งอาจุลาร์ก่อน เรื่อง เราสุขาย เราสุขาย เราสุขาย เราสุขาย เราสุขาย เราสุขาย เราสุขาย เราสุขาย เราสุขาย เราสุขาย เราสาราช	artungantan properties and and and a	<b>Stop Fre</b> 10.000000000 GH
Itart 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         3.3           2         N         1         f         1.8           3         4         5         6         6           6         6         6         7         6	30 07 GHz 74 45 GHz	-57.000 dBm 0.068 dBm		E	Freq Offse 0 H
8 99 10 11 11 11 11 11 11 11 11 11 11 11 11 1		III			

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



RL RF 50 Q AC		SENSE:INT	ALIGN AUTO	02:27:19 PM Dec 04, 2024	Francisco
enter Freq 5.015000000	PNO: Fast +++ Trig: Fi IFGain:Low #Atten:	ree Run	g Type: RMS	TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P	Frequency
10 dB/div Ref 10.00 dBm			Mkr	1 2.582 32 GHz -57.352 dBm	Auto Tune
-og 0.00 -10.0 -20.0					Center Fred 5.015000000 GHz
30.0 40.0 50.0	1				Start Free 30.000000 MH
60.0 	en alle son alle and	an and a second	naturka nanaturka na	dellannan an a	Stop Free 10.00000000 GH
Start 30 MHz Res BW 1.0 MHz	#VBW 3.0 MH	12 FUNCTION	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Stej 997.000000 MH <u>Auto</u> Ma
1 N 1 f 2.58	2 32 GHz -57.352 4 33 GHz -0.230	dBm			Freq Offse 0 H:
sg	m		STATUS		

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



Agilent Spectrum Analyzer - Swept SA				Transa and Array	
RL RF 50Ω AC Center Freq 5.015000000	GHz PNO: Fast ↔ IEGain:Low	- Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:28:10 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P	Frequency
10 dB/div Ref 10.00 dBm	IFGam:Low	WAREN. 20 GD	Mkr	1 6.490 56 GHz -57.046 dBm	Auto Tune
-og 2 0.00 10.0 20.0					Center Fred 5.015000000 GH:
40.0			1		Start Free 30.000000 MH
60.0 	arwaadadaa aanayoo iya	Compare of the second of the s	en an Interior and Interior	nadas segma a stad in Second Constant Anna and	<b>Stop Free</b> 10.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VBW	/ 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Stej 997.000000 MH <u>Auto</u> Ma
2 N 1 F 1.8 3 4 5 6 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	90 56 GHz 54 51 GHz	-57.046 dBm -0.239 dBm			Freq Offse 0 H
8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10		m	STATUS	•	

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



Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC		SENSE:INT	ALIGN AUTO	02:29:02 PM Dec 04, 2024	
enter Freq 5.015000000	PNO: Fast - IFGain:Low	Trig: Free Run #Atten: 20 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET PPPPP	Frequency
D dB/div Ref 10.00 dBm			Mkr	1 3.290 19 GHz -57.369 dBm	Auto Tune
					Center Free 5.015000000 GH
0.0 0.0 0.0	1_				Start Fre 30.000000 MH
0.0 www.www.www.www.www.www. 0.0 0	ather walking the	and an analysis and a second	de ren fel ey else par accorden contra egy else accord	anastra nappuntations	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBI	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 3.2	90 19 GHz 74 45 GHz	-57.369 dBm -0.613 dBm		E	Freq Offse 0 H
9		m		-	

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



RL RF 50 Q AC		SENSE:INT	ALIGN AUTO	02:29:45 PM Dec 04, 2024	Filment
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
0 dB/div Ref 10.00 dBm			Mkr	1 2.721 90 GHz -58.065 dBm	Auto Tune
• cg 2 0 00 10 0 20 0					Center Fred 5.015000000 GH;
30.0 40.0 50.0	1				Start Free 30.000000 MH
50.0 	the way way	and the second	ىيىتەرىغىيەردۇلى <sup>لى</sup> تەرىپىيەتلارىيىدىنىي. « <del>الار</del> مەرەمىر	AN THE AND A DESCRIPTION OF A DESCRIPTIO	Stop Free 10.000000000 GH:
Res BW 1.0 MHz	#VBV	V 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Stej 997.000000 MH Auto Ma
1         N         1         f         2.0           2         N         1         f         1.3           3         4         5         5         5           6         6         7         6         6	721 90 GHz 914 33 GHz	-58.065 dBm -0.316 dBm			Freq Offse 0 H
8 99 97 97 97 97 97 97 97 97 97 97 97 97		m		-	

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



Agilent Spectrum Analyzer - Swept SA				Traction West Come	- 6 🛛
C RL RF 50Ω AC Center Freq 5.015000000	GHz PNO: Fast ↔ IFGain:Low	. Trig: Free Run #Atten: 20 dB	ALIGN AUTO #Avg Type: RMS	02:30:35 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 3.698 96 GHz -57.264 dBm	Auto Tune
• cg 0 00 10 0 20 0					Center Free 5.015000000 GH
	1				Start Fre 30.000000 MH
50.0 water with manufacture and a second sec	nin and	an alan an a	and address of the second s	and a star and the start of the	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 <u>Auto</u> Ma
1 N 1 f 3.6	98 96 GHz 54 51 GHz	-57.264 dBm -0.330 dBm			Freq Offse 0 H
sg		m	STATUS	-	J

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



Agilent Spectrum Analyzer - Swept SA				Transfer was done.	
Center Freq 5.015000000	PNO: Fast Irig:	Free Run n: 20 dB	#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
0 dB/div Ref 10.00 dBm	IFGain:Low #Atte	n: 20 dB	Mkr1	5.832 54 GHz -57.053 dBm	Auto Tune
					Center Free 5.015000000 GH
		· · · · · · · · · · · · · · · · · · ·			Start Fre 30.000000 MH
00.0 	non a survey of the second	ai a se a	anna 1994 a 1995 a 1996 a 1997 a 1	service and have been been been and the second	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW 3.0 N	IHZ		Stop 10.000 GHz 5.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f 5.8	132 54 GHz -57.05 74 45 GHz -0.30	3 dBm 0 dBm		E	Freq Offse 0 H
9 10 11 11 11 11 11 11 11 11 11 11 11 11			STATUS	-	

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



Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC		SENSE:INT	ALIGN AUTO	02:32:10 PM Dec 04, 2024	
enter Freq 5.01500000	PNO: Fast	Trig: Free Run #Atten: 20 dB	#Avg Type: RMS	TRACE 2 3 4 5 6 TYPE MWWWW DET PPPPP	Frequency
0 dB/div Ref 10.00 dBm			Mkr	1 3.698 96 GHz -56.511 dBm	Auto Tune
2000 2000 2000 2000 2000 2000 2000 200					Center Fred 5.015000000 GH;
30.0 40.0 50.0	1				Start Free 30.000000 MH
50.0 70.0 80.0	-	Ring Manaral Martin Sand Ann	all and a second product of the second products of the second second second second second second second second	And and an international standards and an	<b>Stop Free</b> 10.000000000 GH
Itart 30 MHz 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
1 N 1 F 3.6	598 96 GHz -5 514 33 GHz -	6.511 dBm 0.318 dBm			Freq Offse 0 H
		m			

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



Agilent Spectrum Analyzer - Swept SA					- 6 ×
RL RF 50 Ω AC Center Freq 15.000000		SENSE:INT	#Avg Type: RMS	02:18:44 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBr	IFGain:High	#Atten: 0 dB		Mkr1 19.50 GHz -73.246 dBm	Auto Tune
30.0					Center Freq 15.000000000 GHz
40.0					Start Free 10.000000000 GHz
60.0				1_	Stop Free 20.000000000 GH;
30.0 Window Manufacture and a log	-service house on the service of the	enapertunity	ingolocometriloriyyotalanindysedbilor	en fortile durant with a dra way	CF Step 1.00000000 GH <u>Auto</u> Mar
-100					Freq Offse 0 H:
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Swaan	Stop 20.000 GHz 25.00 ms (1001 pts)	
ASG			STAT		

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



Agilent Spectrum Analyzer - Swept SA					- 6 ×
RL RF 50Ω A Center Freq 15.000000	PNO: Fast	SENSE:INT Trig: Free Run #Atten: 0 dB	#Avg Type: RMS	02:19:35 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P	Frequency
10 dB/div Ref -20.00 dB	IFGain:High	#Atten: 0 db		Mkr1 19.19 GHz -73.561 dBm	Auto Tune
30.0					Center Fred 15.000000000 GH;
40.0					Start Free 10.000000000 GH
70.0				1	<b>Stop Free</b> 20.000000000 GH
SO O ATTA AND A CONTRACTOR AND A CONTRACTOR	two-head population and the set	strandine And Ing With the book	bel registeriolder och blander and	enyila haa jarabbi karabbi kasabiyaan syo	CF Stej 1.000000000 GH <u>Auto</u> Ma
100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\//	3.0 MHz	Swaan	Stop 20.000 GHz 25.00 ms (1001 pts)	
	#0000		Sweep		

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



Agilent Spectrum Analyzer - Swept SA K RL RF 50 Ω A		SENSE:INT	ALIGN AUTO	02:20:18 PM Dec 04, 2024	
Center Freq 15.000000		Trig: Free Run #Atten: 0 dB	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dB				Mkr1 18.89 GHz -72.667 dBm	Auto Tune
30.0					Center Fred 15.000000000 GH;
40.0					Start Free 10.000000000 GH
50.0				<u>1</u>	Stop Free 20.000000000 GH
30.0 	erethetereteretereteretereteretereterete	phalachshyphon/adatha	nasharahilisingila polarina		<b>CF Stej</b> 1.000000000 GH <u>Auto</u> Mar
-100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Sween	Stop 20.000 GHz 25.00 ms (1001 pts)	
ISG	**DV4	0.0 141112	SWEEP		

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



Agilent Spectrum Analyzer - Swept SA				· Trans a set of	- 6 ×
Center Freq 15.0000000	PNO: Fast Trig: F	ree Run	#Avg Type: RMS	0 02:21:08 PM Dec 04, 202 TRACE 1 2 3 4 5 TYPE MWWWW DET P P P P P	Frequency
10 dB/div <b>Ref -20.00 dBn</b>	IFGain:High #Atten:	: 0 dB		Mkr1 18.67 GH: -73.007 dBn	
30.0					Center Fred 15.000000000 GHz
40.0					Start Free 10.000000000 GH:
60.0				1	Stop Free 20.000000000 GH
30.0 With Mark with an a dilar bangaran	and the set of the second s	llellfraterel.a.g.follad	ypaters and a second	www.Andersteenige	CF Step 1.000000000 GH Auto Mar
-100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3.0 MH		Swaan	Stop 20.000 GHz 25.00 ms (1001 pts	
	#VBVV 5.0 WIF	12	Sweep		

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



Agilent Spectrum Analyzer - Swept SA					- 8 ×
RL RF 50 Ω AC Center Freq 15.00000000	PNO: Fast +++	SENSE:INT	#Avg Type: RMS	0 02:22:00 PM Dec 04, 2 TRACE 1 2 3 4 TYPE M WWW DET P P P P	5 6 Frequency
10 dB/div Ref -20.00 dBm	IFGain:High	#Atten: 0 dB		Mkr1 19.19 G -73.656 dB	
30.0					Center Fred 15.000000000 GHz
40.0 50.0					Start Free 10.000000000 GH
60.0					Stop Free 20.000000000 GH
30.0 Howkelwempolywhalevelorithera	wennedelalagedwither	Joseph and Marillan Maria	4.56.16.16.16.16.16.16.16.16.16.16.16.16.16	und the set of the second and in second	CF Step 1.000000000 GH Auto Mar
100					Freq Offse 0 H
-110 Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Sween	Stop 20.000 G 25.00 ms (1001 p	Hz
ISG	# V D VV	5.0 141112	Sweep		

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



Agilent Spectrum Analyzer - Swept SA				A DATE OF A	- Ø 🕺
Center Freq 15.0000000	00 GHz PNO: Fast T	sense:INT	#Avg Type: RMS	02:22:43 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW	Frequency
I0 dB/div Ref -20.00 dBm	IFGain:High #	Atten: 0 dB		оет РРРРРР Mkr1 18.97 GHz -73.273 dBm	Auto Tune
30.0					Center Free 15.000000000 GH:
40.0 50.0					Start Free 10.000000000 GH
70.0				1	Stop Free 20.000000000 GH
30.0 Mariana	mintrimerriciansetanaeth	detershedenwendende	na dina sala maranga palagial mb	n yn yrthin o di an dd graeth y haraillen.	CF Ste 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	Swaan	Stop 20.000 GHz 25.00 ms (1001 pts)	
ISG	#VEVV 5.	5 11112	SWEEP		

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



Agilent Spectrum Analyzer - Swept SA		1. 10.000		1	- Ø 🐱
RL RF 50Ω A Center Freq 15.000000	PNO: Fast	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	02:23:33 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dB	IFGain:High	#Allen. 0 db		Wkr1 16.36 GHz -73.336 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
80.0 Anatantronominanaturististati	mouring-manadates	alaceder of the father and	genderlichen hat her gegeneren ha		CF Step 1.000000000 GHz <u>Auto</u> Mar
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep	Stop 20.000 GHz 25.00 ms (1001 pts)	
ISG			STATU		

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



Agilent Spectrum Analyzer - Swept SA		) enver wel			- 6 ×
x RL RF 50Ω AC Center Freq 15.0000000	PNO: Fast	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:24:25 PMDec 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 oonningn		1	/lkr1 18.93 GHz -72.938 dBm	Auto Tune
30.0					Center Fred 15.000000000 GH;
40.0					Start Free 10.000000000 GH
70.0				1	Stop Free 20.000000000 GH
0.0 June of the second se	httagen tegladtagen halle State	nemburghouthyperul	en allandak palaanka		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	0.00	Sweep 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
ISG	#VBVV 5	10 WIL12	Sweep	- Andrews -	

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



Agilent Spectrum Analyzer - Swept SA					- 6 ×
X RL RF 50 Ω AC Center Freq 15.0000000	00 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	02:25:07 PM Dec 04, 2024 TRACE 2 3 4 5 6 TYPE MWWWWW	Frequency
io dB/div Ref -20.00 dBm	IFGain:High	#Atten: 0 dB		DET PPPPPP Mkr1 18.90 GHz -72.810 dBm	Auto Tune
30.0					Center Fred 15.000000000 GH;
40.0 50.0					Start Free 10.000000000 GH
60.0				1	Stop Free 20.000000000 GH:
0.0 	ander war of a grant of the sector	Nexada (meneral provided and meneral)	endfranktion Marine Joldson vend		CF Step 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	Sween	Stop 20.000 GHz 25.00 ms (1001 pts)	
ISG			STATU		

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



Agilent Spectrum Analyzer - Swept SA	1				- @ X
Center Freq 15.000000		SENSE:INT	#Avg Type: RMS	02:25:58 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
10 dB/div Ref -20.00 dBi	IFGain:High	#Atten: 0 dB		Mkr1 16.68 GHz -72.587 dBm	Auto Tune
-30.0					Center Freq 15.000000000 GHz
40.0					Start Freq 10.000000000 GHz
60.0 -70.0			<b>1</b>		Stop Freq 20.000000000 GHz
80.0 total and the second s	and the constraint of the state of the	nother twinting and all on the for	whether the the structure of the second s	essimple and when the second	CF Step 1.00000000 GHz Auto Mar
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep	Stop 20.000 GHz 25.00 ms (1001 pts)	
MSG			STATU		

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



Agilent Spectrum Analyzer - Swept SA				7.000 Stores	a a X
RL RF 50 Ω 4 Center Freq 15.000000	PNO: Fast	SENSE:INT Trig: Free Run #Atten: 0 dB	#Avg Type: RMS	02:26:50 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 dE	IFGain:High	#Atten: 0 dB	Γ	/kr1 19.24 GHz -72.838 dBm	Auto Tune
-30.0					Center Freq 15.000000000 GHz
40.0					Start Freq 10.000000000 GHz
60.0					Stop Freq 20.000000000 GHz
80.0 60.0	Hannold angel higher in segaranga blick og h	isternan station of the state	anteretartentert petro angeneraten arte	water in all and the Annon-served	CF Step 1.000000000 GHz Auto Man
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Sween 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
ANCO DAA INO MILIZ	#VBW	5.0 14112	STATUS		

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



Agilent Spectrum Analyzer - Swept Si				A second strends on the	
RL RF 50 Ω Center Freq 15.00000	0000 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	02:27:34 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dE	IFGain:High 3m	#Atten: 0 dB	P	/kr1 17.88 GHz -72.956 dBm	Auto Tune
30.0					Center Freq 15.000000000 GHz
40.0					Start Fred 10.000000000 GHz
60.0				1	Stop Fred 20.000000000 GH2
80.0 41	ที่ <sub>ในส</sub> หรุ่ม <sub>ีออ</sub> สารการกรุงร่างให้สราชสุด	للمارسة التأوير بحطروا المحاصلة والمتحاوية	manderstate with a farming and and a second s	kyyranyrdingrill-Linandrin,ysy'r	CF Step 1.00000000 GH: <u>Auto</u> Mar
-100					Freq Offse 0 H;
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
ISG			STATUS		

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



Agilent Spectrum Analyzer - Swept SA				- 6 ×
RL RF 50 Ω AC Center Freq 15.000000	000 GHz PNO: Fast +++ Trig: Free Run	#Avg Type: RMS	02:28:24 PM Dec 04, 2024 TRACE 2 3 4 5 6 TYPE M WWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBr	IFGain:High #Atten: 0 dB		Mkr1 18.98 GHz -73.755 dBm	Auto Tune
30.0				Center Freq 15.000000000 GHz
40.0				Start Fred 10.000000000 GH2
60.0			1	Stop Fred 20.000000000 GH;
30.0 Antowership are thorough the	yelline in an an and a fair where the second of the	gellallitellergradial-delegangelspieder		CF Step 1.00000000 GH <u>Auto</u> Mar
-100				Freq Offse 0 H:
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz	Swaan	Stop 20.000 GHz 25.00 ms (1001 pts)	
ANCO DAA 110 MILIZ	#VBW 5.0 WI12	SWGEP		

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



Agilent Spectrum Analyzer - Swept SA					- 6 ×
RL RF 50 Ω AC Center Freq 15.0000000	PNO: Fast	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:29:17 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 dBr	IFGain:High	#Atten: 0 dB	1	/kr1 18.52 GHz -73.334 dBm	Auto Tune
30.0					Center Free 15.000000000 GH:
40.0					Start Free 10.000000000 GH
70.0				1	Stop Free 20.000000000 GH
30.0 Journarton in shawd intervention	where and a second	and any conversion of the shores	oyusaljathadd <sup>a</sup> lwrafari <sub>lly</sub> nhafyddylly	a service descent descent and a service of the serv	CF Stej 1.000000000 GH <u>Auto</u> Ma
100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\M	3.0 MHz	Sween 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
ISG			STATUS		

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



🔰 Agilent Spectrum Analyzer - Swept SA				Trabana markana	- 6 ×
Center Freq 15.000000		SENSE:INT	#Avg Type: RMS	02:29:59 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
10 dB/div Ref -20.00 dB	IFGain:High	#Atten: 0 dB	Ν	оет РРРРРР /kr1 18.88 GHz -73.267 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 	nananin liketi kerenteri lahin	idenen alderen and hingh	and a second	Ladorat window and and the field	CF Step 1.000000000 GHz <u>Auto</u> Mar
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
MSG			STATUS		

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



Agilent Spectrum Analyzer - Swept SA				Transis market	- 6
Center Freq 15.0000000		SENSE:INT	#Avg Type: RMS	TRACE 1 2 3 4 5 TYPE M WWW	Frequency
10 dB/div Ref -20.00 dBn	n ounningn	ten: 0 dB		Mkr1 16.63 GH -73.367 dBr	a section of
30.0					Center Fred 15.000000000 GHz
40.0 50.0					Start Free 10.000000000 GH:
60.0			1		Stop Free 20.000000000 GH;
30.0 Harring and the state of t	and a start a start and a start a start a start a start a start	en an	angrace-Laller markely boot rever	AL MARCHARE AND A CALL	CF Step 1.000000000 GH Auto Mar
100					Freq Offse 0 Ha
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3.0		Swoon	Stop 20.000 GH 25.00 ms (1001 pts	z
	#VBVV 3.0	WIT12	Sweep		2

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



Agilent Spectrum Analyzer - Swept SA				Transformer and the second	- 6 ×
RL RF 50 Ω AC Center Freq 15.000000	000 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	02:31:42 PM Dec 04, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBr	IFGain:High	#Atten: 0 dB		Mkr1 19.23 GHz -72.952 dBm	Auto Tune
.og					Center Fred 15.000000000 GHz
40.0					Start Free 10.000000000 GH:
60.0				1	Stop Free 20.000000000 GH;
30.0 porting the property in the second second	n ar an	Andred March approved		un or a low of the stand of the second	CF Step 1.000000000 GH <u>Auto</u> Mar
100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\//	3.0 MHz	Swaap	Stop 20.000 GHz 25.00 ms (1001 pts)	
ISG	#VBVV	5.0-191112	SWEEP		

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



Agilent Spectrum Analyzer - Swept SA					- @ ×
RL RF 50 Ω AC Center Freq 15.000000	000 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	02:32:24 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 dBr	IFGain:High	#Atten: 0 dB		Mkr1 18.56 GHz -72.221 dBm	Auto Tune
30.0					Center Free 15.000000000 GH:
40.0					Start Free 10.000000000 GH
50.0				<b>↓</b> 1	Stop Free 20.000000000 GH
30.0 geores and a constant	وياجعهم الجوابي والوجيا وملافاته والم	lonspelagenuarielinin	elletistanden vergestige line		<b>CF Ste</b> j 1.000000000 GH <u>Auto</u> Ma
100					Freq Offse 0 H
Start 10.000 GHz Res BW 1.0 MHz	#\/B\M	3.0 MHz	Sween	Stop 20.000 GHz 25.00 ms (1001 pts)	
ISG	#VDVV	5.0 141112	Sweep 2		

## 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-FC088-P