

- 6							In the Index of the Index of the Index	trum Analyzer -	gilent Spect
Frequency	PM Jan 03, 2025 E 1 2 3 4 5 6 PE M *******	TRAC	ALIGN AUTO	#Avg	SENSE:IN	PNO: Fast	0 Ω AC		
Auto Tur	68 GHz 32 dBm	1 3.459	Mkr		#Atten: 10 dB	IFGain:Low	dBm	Ref 0.00	B/div
Center Fre 5.015000000 GR							`2		
Start Fre 30.000000 Mi						1			
Stop Fr 10.00000000 G	PEAK	anal transference and a second se	waanee Lachtenberger ander and and and	ส่งกิจไปราวทางกิจสุด	N. Maryana ang katalang katala		in and the particular	walkingenter	
CF Ste 997.000000 Mi <u>Auto</u> M		6.67 ms (Sweep 1	SUNCTION	3.0 MHz	#VBW		1.0 MHz	
Freq Offs 01	ON VALUE	FUNCTI	FUNCTION WIDTH	FUNCTION	67.332 dBm 0.826 dBm	9 68 GHz 4 87 GHz	× 3.459 1.734	f	MODE TR N 1 N 1
			STATUS		m.				

LTE B4_3 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



RL		50 Ω AC			SENSE:1	INT		ALIGN AUTO		PM Jan 03, 2025	F
nter Fre	q 5.01	50000	00 GHz PNO: Fa IFGain:L	151	ig: Free Ru tten: 10 dE		#Avg Typ	e: RMS	TY	CE 1 2 3 4 5 6 PE M WWWW ET P P P P P P	Frequency
dB/div	Ref 0.0) _, dBm						Mkr		32 GHz 52 dBm	Auto Tur
		[↑] 2									Center Fre 5.015000000 GH
0 0			1								Start Fr 30.000000 M
0 N	maneria	J. N. MININ	gunder conferministra	and water and	(Lattal Constraints	etat a a a a a a a a a a a a a a a a a a	acheroly.An	eren arriver and	har a har	PEAK	Stop Fr 10.000000000 G
es BW 1	.0 MHz		#	¢VBW 3.0	MHz	FUNCT		Sweep 1	6.67 ms	0.000 GHz (1001 pts)	CF St e 997.000000 M <u>Auto</u> M
N 1 N 1			2.582 32 GH 1.754 81 GH	z -68.	252 dBm 753 dBm	, one,					Freq Offs
					ш.			STATU		•	

LTE B4_3 M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



	0111-02 2025	05.05.50	ALIGN AUTO	(F	CENCE 1		and a second	Analyzer - Sw	OWNER DRIVENED
Frequency	PM Jan 03, 2025 CE 1 2 3 4 5 6 PE M WWWWW ET P P P P P P P	TRA	Type: RMS	#Av	SENSE:II	HZ PNO: Fast ↔→	00000 G		
Auto Tun	93 GHz 24 dBm	1 3.708 -68.0	Mkr			Gain:Low	Bm	ef 0.00 c	div R
Center Fre 5.015000000 GR									
Start Fre 30.000000 Mi						1			
Stop Fr 10.000000000 G	PEAK AdugYuntur-authr	whyreduneu	hashrapphasethyses	en initerature and	490 lev ^{ar, for for the for the former of th}	annow the second	ALL BOOK	an manager the	ymsynta
CF Ste 997.000000 M Auto M	0.000 GHz (1001 pts)	16.67 ms	Sweep 1	FUNCTION	.0 MHz	#VBW	X	MHz	30 MH; BW 1.0
Freq Offs 01		FONCT		FONCTION	8.024 dBm 0.546 dBm	93 GHz 93 GHz	3.708		
	•		STATU		m.				

LTE B4_5 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA					- F
RL RF 50 Ω AC Center Freg 5.015000000	GHz	SENSE:INT	#Avg Type: RMS	05:08:41 PM Jan 03, 2025 TRACE 2 3 4 5 6	Frequency
	PNO: Fast	Trig: Free Run #Atten: 10 dB		DET PPPPP	Auto Tune
10 dB/div Ref 0.00 dBm			Mkr'	1 3.459 68 GHz -66.836 dBm	
-09 2 -10.0					Center Free
20.0					5.015000000 GH
40.0					Start Free
-50.0	1				30.000000 MH:
70.0 matremonthy Manus burnshar	meaninghangland	tenten and survey and	mm. the many ward conversion	PEAK when when the market of the second	Stop Free
-80.0					10.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 1	Stop 10.000 GHz 5.67 ms (1001 pts)	CF Stej 997.000000 MH
MKR MODE TRC SCL X	159 68 GHz	Y FU -66.836 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mai
	34 87 GHz	-0.113 dBm			Freq Offse
4 5				в	0 H
6 7 8					
9 10					
11		m		· ·	
SG			STATUS		

LTE B4_5 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



						TAL ADDRESS CONTRACTOR	um Analyzer - S	gilent Spect
Frequency	05:10:58 PM Jan 03, 2025 TRACE 1 2 3 4 5 0 TYPE M WWWW DET P P P P P P	ALIGN AUTO I Type: RMS	#Avg	SENSE:IN Trig: Free Run #Atten: 10 dB	Hz PNO: Fast	000000 G		
Auto Tur	.912 30 GHz -68.029 dBm	Mkr1		#Atten: 10 db	FGain:Low	dBm	Ref 0.00	B/div
Center Fre 5.015000000 GH						2		
Start Fre 30.000000 Mi			1					
Stop Fre 10.000000000 GF	PEAK Aratigatoraa		and an and a start of the second	and in a specific second se	and the second second	and the second	-864, 64,0786/88991	ren fambe
CF Ste 997.000000 Mi <u>Auto</u> Mi	top 10.000 GHz 7 ms (1001 pts)	Sweep 16.	FUNCTION	3.0 MHz	#VBW		.0 MHz	
Freq Offs 0 I	FUNCTION VALUE	FUNCTION WIDTH	FUNCTION	68.029 dBm 0.856 dBm	30 GHz 81 GHz	× 5.912 1.754		MODE TR
	•			ш.				
		STATUS						

LTE B4_5 M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



	44 PM Jan 03, 2025	0 05-13-4	ALIGN AUTO	NT	SENSE:	1		Analyzer - Swe	CONTROL DOM NUMBER
Frequency	RACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P	TR	g Type: RMS	n #Av	Trig: Free Ru #Atten: 10 dl	HZ PNO: Fast +++	00000 G		
Auto Tur	9 80 GHz 880 dBm	kr1 3.41 -66.	Mk					ef 0.00 d	div R
Center Fre 5.015000000 GR								↑2 	
Start Fre 30.000000 M						1			
Stop Fr 10.000000000 G	PEAK MUNIMMANAAN	hoffinity and complete south	hopolikashputkien	hay no destand and	سالانا المالية المريد المالية المالية المريد	an marchar property and	notaleurol-mus	eneranien Hei	New Contraction
CF Ste 997.000000 M Auto M	10.000 GHz (1001 pts)	16.67 ms	Sweep '	FUNCTION	3.0 MHz	#VBW	X		30 MH2 BW 1.0
Freq Offs 01	E		Powerlow wibh	PONCHON	66.880 dBm 0.381 dBm	80 GHz 93 GHz	3.419		
			STATL		ш.				

LTE B4_10 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



Agilent Spectrum Analyzer - Swept		r			- 6 🐱
RL RF 50 Ω enter Freq 5.01500	1.18	SENSE:INT	#Avg Type: RMS	05:16:30 PM Jan 03, 2025 TRACE 1 2 3 4 5 5 TYPE M	Frequency
dB/div Ref 0.00 dE	IFGain:Low	#Atten: 10 dB	Mkr1	2.682 02 GHz -68.247 dBm	Auto Tun
2 0.0 0.0					Center Fre 5.015000000 GH
0.0 0.0 0.0	1				Start Fre 30.000000 MH
0.0 Hite and the second	hadrenskonskolander og for	(Jan Marine and State Marine and Analas)	energina particular a particular a particular a particular de la particular de la particular de la particular d	PEAK Apinglower have been and a second	Stop Fre 10.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	3.0 MHz		Stop 10.000 GHz 5.67 ms (1001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
N 1 f 2 N 1 f 3		-68.247 dBm 0.217 dBm	Totellowing	E	Freq Offs 0 F
6 7 8 9 0 1					
		ш.	STATUS	,	

LTE B4_10 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



6	0111-02 0005	05.10.10			05105.11				lyzer - Swep 50 Ω		ent Spectro
Frequency	8 PM Jan 03, 2025 ACE 1 2 3 4 5 6 YPE M M P P P P P	TRA	ALIGN AUTO		SENSE:IN		PNO: Fast +	0000 G		eq 5.	er Fre
Auto Tun	8 99 GHz 432 dBm	r1 3.688	Mkr		en: 10 dB	#At	FGain:Low		0.00 dE	Ref	/div
Center Fre 5.015000000 GH									<u>^</u> 2		
Start Fre 30.000000 Mi						1					
Stop Fre 10.00000000 GH	PEAK nggnungenger	halp-bengetringenster	have a far and a far a	18-14:00:000000000000000000000000000000000	uning all red to be the	yn y	unar salata	autologicket et el og	andfilment filter	مىپىنىدى	yn ringerid
CF Ste 997.000000 Mi Auto Mi	0.000 GHz (1001 pts)	16.67 ms	Sweep 1	FUNCTION	ЛНz	W 3.0	#VBV	X	Hz	1.0 M	30 MI BW 1
Freq Offs 0 F	E				32 dBm 42 dBm	-66.4 0.9	99 GHz 81 GHz	3.688		f	N 1 N 1

LTE B4_10 M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



	n Analyzer - Swept SA					- 6 -
28 E 1	RF 50 Ω /		SENSE:INT	#Avg Type: RMS	05:21:25 PM Jan 03, 2025 TRACE 1 2 3 4 5 6	Frequency
	1 3.0 130000	PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 10 dB		TYPE MWWWWW DET PPPPP	_
dB/div R	Ref 0.00 dBn	n		Mkr	1 3.419 80 GHz -66.060 dBm	Auto Tun
2 0.0	2					
						Center Fre
3.0						5.015000000 GH
1.0						
0.0						Start Fre
0.0		1.4				30.000000 MH
0.0						
0.0	mound to ma	construction and the second	and a second and a	and the second states and the second second	PEAK	Stop Fre
0.0						10.000000000 GH
0.0			<u> </u>			10.0000000000
					Oto ::: 40.000 Otto	
tart 30 MH: Res BW 1.0		#\/B)	₩ 3.0 MHz	Sween 1	Stop 10.000 GHz 6.67 ms (1001 pts)	CF Ste 997.000000 MH
KR MODE TRC S				UNCTION FUNCTION WIDTH		<u>Auto</u> Ma
1 N 1		× 3.419 80 GHz	-66.060 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	8
2 N 1	f	1.714 93 GHz	-1.210 dBm			Freq Offs
4						01
5					E	
7						
8						
0						
					+	
			m.			

LTE B4_15 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



enter Freq 5.015000000 GHz Trig: Free Run #Avg Type: RMS TRACE 2.2.3.454 Frequency PN0: Fast #Atten: 10 dB Mkr1 3.449 71 GHz 68.070 dBm Out Auto Tut dB/div Ref 0.00 dBm -68.070 dBm -68.070 dBm -68.070 dBm Center Frequency 0 2 - <th>RL</th> <th>RF 50 Ω AC</th> <th></th> <th>SENSE:INT</th> <th>ALIGN AUTO</th> <th>05:24:12 PM Jan 03, 2025</th> <th></th>	RL	RF 50 Ω AC		SENSE:INT	ALIGN AUTO	05:24:12 PM Jan 03, 2025	
Center Fr 0 1 -68.070 dBm -68.070 dBm Center Fr 0 1 -68.070 dBm Start Fr 5.01500000 G 0 1 -68.070 dBm FF 5.01500000 G 0 1 1 -68.070 dBm FF 5.01500000 G art 30 MHz #VBW 3.0 MHz Sweep 16.67 ms (1001 pts) 997.00000 M N 1 1.724 90 GHz -68.070 dBm FUNCTION WIDTH FUNCTION VALUE Freq Offs 0 -68.070 dBm -68.070 dBm -68.070 dBm -68.070 dBm Freq Offs	nter F		PNO: Fast +>	Trig: Free Run		TRACE 2 3 4 5 5 TYPE M WWWWW	Frequency
Image: Control of the second secon		Ref 0.00 dBm			Mkr	1 3.449 71 GHz -68.070 dBm	Auto Tur
Image: Start Fr Start Fr Image: Start Fr 30.00000 M Image: Start Fr Start Fr Image: Start Fr Star Image: Start Fr <td>0 —— 0 ——</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Center Fre 5.015000000 GI</td>	0 —— 0 ——						Center Fre 5.015000000 GI
Image: Stop 10.000 GHz Stop Fr. Image: Stop 10.000 GHz Stop 10.000 GHz Image: Stop 10.000 GHz GHz			1				
es BW 1.0 MHz #VBW 3.0 MHz Sweep 16.67 ms (1001 pts) 997.000000 M MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE Auto M N 1 f 3.449 71 GHz -68.070 dBm FUNCTION WIDTH FUNCTION VALUE Freq Offs N 1 f 1.724 90 GHz 0.662 dBm Freq Offs 0 I I I I III III III III III III III III III IIII IIII IIII IIII IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII) which	newspannen and and and and and and and and and an	and the stand of the stand	and a second	an a	PEAK MULANGOULAUGAALAUNA MULANGOULAUGAALAUNA	
N 1 f 3.449 71 GHz -68.070 dBm N 1 f 1.724 90 GHz 0.662 dBm Freq Offs 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			#\/D\A	/ 3.0 MHz	Sweep 1	Stop 10.000 GHz 6.67 ms (1001 pts)	
			#404				
	MODE T	TRC SCL X	449 71 GHz	Y FU -68.070 dBm			Auto M Freq Offs
		TRC SCL X	449 71 GHz	Y FU -68.070 dBm			

LTE B4_15 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



- 6						The second s	trum Analyzer	
Frequency	3:26:30 PM Jan 03, 2025 TRACE 1 2 3 4 5 0 TYPE MWWWWW	ALIGN AUTO	#Avg	SENSE:IN	Hz PNO: Fast	0 Ω AC		nter F
Auto Tur	509 53 GHz 55.755 dBm			#Atten: 10 dB	FGain:Low	dBm	Ref 0.0	dB/div
Center Fre 5.015000000 GF						<u>2</u>		
Start Fro 30.000000 Mi					1)) ,
Stop Fro 10.00000000 Gi	PEAK Phantanal and a stand a stand	ingth the second state of the second s	in the second second	مىكىدىرى ئى _{كچى} مىكى _{ۋىرى} مەتتى	and and a second se	Harriston down	يەر الدور الدور الدور الدور الد الدور الدور الد	
CF Ste 997.000000 M <u>Auto</u> M	pp 10.000 GHz ms (1001 pts)		FUNCTION	3.0 MHz	#VBW (×	1.0 MHz	rt 30 N es BW
Freq Offs 01	E	PONCTION WIDTH	PONCTION	65.755 dBm 0.085 dBm	53 GHz - 81 GHz	3.509	f	
		STATUS		m.				

LTE B4_15 M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



	29 PM Jan 03, 2025	05:31:20	ALIGN AUTO	IT	SENSE:II	T	AC	alyzer - Swep	RF	RL
Frequency	RACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	TR	Type: RMS	#Av	Trig: Free Rui #Atten: 10 dB	Z NO: Fast +++ Gain:Low	0000 GI			
Auto Tur	9 80 GHz 501 dBm	r1 3.419 -67.	Mkı				m	0.00 dE	Ref	dB/div
Center Fre 5.015000000 GR								12		
Start Fre 30.000000 Mi						1				
Stop Fre 10.000000000 GF	PEAK ሎዲስታልትነት-የቀነተዋ	terington and the second	haa parta ana ana ana ana ana ana ana ana ana a	entra contractor de la	wayshood a stant	All and a balance of a	ᡧᠧᠴᡧᢑᠯᠬᠮᡟ ᢦ ᠼ	wower the	and Maria	
CF Ste 997.000000 Mi <u>Auto</u> M	10.000 GHz s (1001 pts)	16.67 ms	Sweep 1	FUNCTION	.0 MHz	#VBW 3	X		MHZ M 1.0 I	es B
Freq Offs 01		H FUNC	FUNCTION WIDTH	FUNCTION	57.501 dBm 0.397 dBm	0 GHz 3 GHz	3.419 8 1.714 9		1 f	
	•		STATU		ш.					

LTE B4_20 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



6		05.04.44			CENCE 1		A CONTRACTOR OF	RF	Agilent Spec
Frequency	PM Jan 03, 2025	TRAC	ALIGN AUTO	#Av	SENSE:II	PNO: Fast	0 Ω AC		
Auto Tur		1 3.449	Mkr		#Atten: 10 dB	IFGain:Low	dBm	Ref 0.0	B/div
Center Fre 5.015000000 GH							[^] 2		
Start Fre 30.000000 Mi						1			
Stop Fre 10.000000000 GF	PEAK	elju haqqlirig ugurada	na dhachta a tha an	ารัฐบาร์คมเสราให้เราก _{ระ}	and an and a second second		wow	pandag ayah singhul	
CF Ste 997.000000 Mi <u>Auto</u> M		6.67 ms (Sweep 1	FUNCTION	.0 MHz	#VBW	X	1.0 MHz	rt 30 M s BW
Freq Offs 0 F				- one now	65.519 dBm 0.100 dBm	9 71 GHz 4 90 GHz	3.44		N 1
		s	STATU		m.				

LTE B4_20 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



6	2 PM Jan 03, 2025	05,26,22	ALIGN AUTO	urel .	SENSE:I	1		- Swept SA 50 Ω AC	Im Analyz RF	nt Spectru
Frequency	ACE 1 2 3 4 5 6 YPE MWWWWWW DET P P P P P P	TRAC	Type: RMS	n #A	rig: Free Ru		00 GHz			er Fre
Auto Tun	9 53 GHz 467 dBm	1 3.509	Mkr		Atten: 10 dE	n:Low	IFGain:	0_dBm	Ref 0.	div
Center Fre 5.015000000 GH								↑2		
Start Fre 30.000000 Mi						1				
Stop Fre 10.000000000 Gi	PEAK http://www.http://ww	hannanhacha	n shere for a series way of	gutoberlandessen	englistrational and an ar	matur matur	aleter by comparing	net huserbau	yhyi wani	p. Julie sugar
CF Ste 997.000000 M Auto M	0.000 GHz (1001 pts)	16.67 ms (Sweep 1	FUNCTION) MHz	#VBW 3	×		.0 MH	30 MI BW 1
Freq Offs 0 F				TONCHON	.467 dBm).746 dBm	GHz - GHz	3.509 53 GH 1.754 81 GH		f	
	-									

LTE B4_20 M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



Contraction of the second s	ctrum Analyzer - Swe	pt SA							
Center F	RF 50 Ω req 15.0000	000000 GHz			#Avg Type	RMS	TRAC	M Jan 03, 2025	Frequency
10 dB/div	Ref -20.00	IFGain	i uot				Mkr1 18.	96 GHz 63 dBm	Auto Tune
-og 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 Jamelular 90.0	When the freeze man	grahnigtallysmoched	with add from Conditional the	n yaandaabiinii	Wardinationalise	Annappeoled	What was and	rkah/hurUnin	CF Step 1.00000000 GHz <u>Auto</u> Mar
-100									Freq Offse 0 H:
Start 10.0			#) (D) () 0 0 0 0				Stop 20	.000 GHz	
	1.0 MHz		#VBW 3.0 MHz		8	statu	25.00 ms (1001 pts)	
100						onaro			

LTE B4_1.4M_Conducted Spurious(Above10 G)_Low_QPSK_1RB



and the second se	ectrum Analyzer - Swept SA					- 6 ×
Center F	RF 50 Ω AC req 15.00000000	00 GHz	sense:INT	#Avg Type: RMS	04:49:56 PM Jan 03, 2025 TRACE 1 2 3 4 5 TYPE M	Frequency
0 dB/div	Ref -20.00 dBm	IFGain:High #Atten:			DET РРРРР Мkr1 19.21 GHz -73.280 dBm	Auto Tune
30.0						Center Fred 15.000000000 GH
40.0 50.0						Start Free 10.000000000 GH
50.0 70.0					∮ ¹	Stop Fre 20.000000000 GH
0.0 www.w	teratrieder Mille Arrelind Strag	approximate and the second	harrid then an alough	all and a second and	w _{nor} llingronanionskihonihofut	CF Ste 1.000000000 GH <u>Auto</u> Ma
100						Freq Offso 0 H
	000 GHz				Stop 20.000 GHz	
	1.0 MHz	#VBW 3.0 MH	Z		25.00 ms (1001 pts)	
SG				STAT	JS	

LTE B4_1.4M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA				
Center Freq 15.00000000	0 GHz PNO: Fast +++ Trig: Free Run	#Avg Type: RMS	04:52:14 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High #Atten: 0 dB	N	Ikr1 19.27 GHz -73.815 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 and a property of the second se	un participation and an order of the order of the second sec	elentroetahttersentroetenteten	Haderberrender ander ander an	CF Step 1.000000000 GHz <u>Auto</u> Man
-100				Freq Offset 0 Hz
-110 Start 10.000 GHz	41/D1/2 2 0 MIL-		Stop 20.000 GHz	
#Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 2	5.00 ms (1001 pts)	

LTE B4_1.4M_Conducted Spurious(Above10 G)_High_QPSK_1RB



	ctrum Analyzer - Swept SA					
RL Contor E	RF 50 Ω A req 15.000000		SENSE:INT	#Avg Type: RMS	04:58:10 PM Jan 03, 2025 TRACE 1 2 3 4 5 6	Frequency
Genter F	req 15.000000	PNO: Fast +++ IFGain:High	Trig: Free Run #Atten: 0 dB		DET PPPPP	Auto Turo
10 dB/div Log	Ref -20.00 dB	m		1	Mkr1 16.75 GHz -73.972 dBm	Auto Tune
-30.0						Center Freq 15.00000000 GHz
-40.0						Start Freq 10.000000000 GHz
-60.0				1		Stop Freq 20.000000000 GHz
-80.0	ubdaaminaanigabeebdink	munullymatule	teritionespecially head methods	elineketer Which der nach ber	PEAK hallethagentrillidelisehertritherlagense	CF Step 1.000000000 GHz <u>Auto</u> Man
-100						Freq Offset 0 Hz
-110 Start 10.0	000 GHz				Stop 20.000 GHz	
#Res BW		#VBW	3.0 MHz	Sweep 2	5.00 ms (1001 pts)	
MSG				STATUS	5	

LTE B4_3 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB



	ectrum Analyzer - Swept SA					
Center F	RF 50 Ω AC	000 GHz	SENSE:INT	#Avg Type: RMS	05:01:06 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
10 dB/div	Ref -20.00 dBr	PNO: Fast ++- IFGain:High	#Atten: 0 dB	1	Ukr1 19.28 GHz -73.715 dBm	Auto Tune
-30.0						Center Freq 15.000000000 GHz
40.0 50.0						Start Fred 10.000000000 GHz
60.0 70.0					1	Stop Fred 20.000000000 GHz
80.0 <mark>W-WW-W</mark> 90.0	nonal phalonest in Mathematics	white the start for the second s	distrational and a star high to	المراجر مدينه والطراب المطلوب المطلوب المطلوب الم	Loonableretter	CF Step 1.00000000 GHz <u>Auto</u> Mar
-100						Freq Offset 0 Hz
-110 Start 10.0					Stop 20.000 GHz	
	1.0 MHz	#VBW	3.0 MHz		25.00 ms (1001 pts)	
SG				STATUS	5	

LTE B4_3 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB



Milent Spectrum Analyzer - Swept SA				
Center Freq 15.00000000	O GHZ PNO: Fast ++ Trig: Free Ru	#Avg Type: RMS	05:03:24 PM Jan 03, 2025 TRACE 1 2 3 4 5 5 TYPE M WWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High #Atten: 0 dB	N	Ikr1 18.74 GHz -73.381 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 Nationalistation	useday the provide the second second second	inkonnen Residenen ander and and	international and the standing of the second s	CF Step 1.000000000 GHz <u>Auto</u> Man
-100				Freq Offset 0 Hz
-110 Start 10.000 GHz			Stop 20.000 GHz	
#Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 2 status	5.00 ms (1001 pts)	

LTE B4_3 M_Conducted Spurious(Above10 G)_High_QPSK_1RB



	ctrum Analyzer - Swept SA					
Center F	RF 50 Ω AC req 15.0000000	000 GHz	SENSE:INT	#Avg Type: RMS	05:06:01 PM Jan 03, 2025 TRACE 1 2 3 4 5 0	Frequency
		PNO: Fast +++ IFGain:High	Trig: Free Run #Atten: 0 dB		DET PPPPP	Auto Tune
10 dB/div Log	Ref -20.00 dBm	n			1kr1 18.84 GHz -73.545 dBm	
-30.0						Center Freq 15.00000000 GHz
-40.0						Start Freq 10.00000000 GHz
-60,0						Stop Freq 20.00000000 GHz
-70.0	nduskadatiyashabdanika	and a start and the start of th	he the construction of the state of the stat	noberal resolved and the for the providence of t	PEAK hongigihingihingihingihingihingihingihin	CF Step 1.000000000 GHz <u>Auto</u> Man
-90.0						Freq Offset 0 Hz
-110						
Start 10.0 #Res BW		#VBW	3.0 MHz	Sweep 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
MSG				STATUS		

LTE B4_5 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB



	ctrum Analyzer - Swept SA					
Contor E	RF 50 Ω AC req 15.0000000		SENSE:INT	#Avg Type: RMS	05:08:52 PM Jan 03, 2025 TRACE 1 2 3 4 5 6	Frequency
Genter	Teq 15.000000	PNO: Fast	Trig: Free Run #Atten: 0 dB		DET PPPPP	Auto Tune
10 dB/div Log	Ref -20.00 dBn	n			Nkr1 19.22 GHz -74.125 dBm	
-30.0						Center Freq 15.000000000 GHz
-40.0						Start Freq 10.000000000 GHz
-60.0					1	Stop Freq 20.00000000 GHz
-80.0	handræger en detter af filter	herrikanispigerstandendende	nshuhana pulika bayon Marinove	ner and an and a second of the	Herentika Landa on 19 Julia polara Ju	CF Step 1.00000000 GHz <u>Auto</u> Man
-100						Freq Offset 0 Hz
Start 10.0	000 GH7				Stop 20.000 GHz	
#Res BW		#VBW	3.0 MHz	Sweep 2	5.00 ms (1001 pts)	J
MSG				STATUS	3	

LTE B4_5 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB



10 dB/div Ref -20.00 dBm -72.379 dBm -30.0 -40	f X
Mkr1 18.93 GHz -72.379 dBm Auto -30.0 72.379 dBm 72.379 dBm -40.0	су
-30.0 -40.0 -50.0	Tune
-50.0 Star 10.00000000	10
60.0	t Freq 00 GHz
	o Freq 00 GHz
an at half to a second s	Step 00 GHz Man
-100 Freq (Offsel 0 Hz
-110 Start 10.000 GHz Stop 20.000 GHz	
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 25.00 ms (1001 pts)	

LTE B4_5 M_Conducted Spurious(Above10 G)_High_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA				
© RL RF 50 Ω AC Center Freq 15.00000000	0 GHz PNO: Fast +++ Trig: Free Ru	#Avg Type: RMS	05:13:56 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE M	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High #Atten: 0 dB		_{Det} PPPPPP Vikr1 18.77 GHz -74.446 dBm	Auto Tune
- og 30.0				Center Freq 15.000000000 GHz
60.0				Start Freq 10.000000000 GHz
70.0			1	Stop Freq 20.000000000 GHz
80.0 Hall-lynn-afallana/haimithurnyhn 90.0	uter af an first frage show a show have	schleiddelledreiminnen jermenektiv	PEAK Anglettallhadin tainthadinn angine	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	Swoon 2	Stop 20.000 GHz 5.00 ms (1001 pts)	
		Sweep 2	5.00 ms (100 mpts)	

LTE B4_10 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB



Agilent Spe	ctrum Analyzer - Swept SA					
Center F	RF 50 Ω AC	000 GHz	SENSE:INT	#Avg Type: RMS	05:16:42 PM Jan 03, 2025 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Log r	Ref -20.00 dBr	IFGain:High	Atten: 0 dB		Mkr1 19.25 GHz -73.662 dBm	Auto Tune
-30.0						Center Freq 15.000000000 GHz
40.0 50.0						Start Fred 10.000000000 GHz
-60.0						Stop Freq 20.000000000 GHz
80.0	ontonyuun kutababan nation	al the search of the search	utraysiannerstyter and anglath	al seast la china and an and a start a	nal producted of religenting productions	CF Step 1.00000000 GHz <u>Auto</u> Mar
-100						Freq Offse 0 Hi
-110 Start 10.0					Stop 20.000 GHz	
#Res BW	1.0 MHz	#VBW 3	0 MHz	Sweep	25.00 ms (1001 pts)	
2.25 J				Unit		

LTE B4_10 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB



OddB/div Ref -20.00 dBm -72.143 dBm 300 -72.143 dBm 15.0000000 Gl 400 -72.143 dBm 15.00000000 Gl 400 -72.143 dBm 15.00000000 Gl 400 -72.143 dBm 15.00000000 Gl 400 -72.143 dBm 15.0000000 Gl 400 -72.143 dBm 15.00000000 Gl 400 -72.143 dBm 15.00000000 Gl 400 -72.143 dBm 15.00000000 Gl 600 -700 -700 -700 700 -700 -700 -700 700 -700 -700 -700 700 -700 -700 -700 700 -700 -700 -700 700 -700 -700 -700 700 -700 -700 -700 700 -700 -700 -700 700 -700 -700 -700 700 -700 -700 -700 700 -700 -700 <th>Milent Spectrum Analyzer - Swept SA</th> <th>4</th> <th></th> <th></th> <th></th>	Milent Spectrum Analyzer - Swept SA	4			
Indentified Mikr1 18.91 GHz -72.143 dBm Auto Tur 10 dB/div Ref -20.00 dBm -72.143 dBm Center Fro 300		0000 GHz	#Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency
300 Center Fr 300 Center Fr 400 Start Start Fr 400 Start Start Fr 400 Start Start Start Fr 400 Start	10 dB/div Ref -20.00 dE	IFGain:High #Atten: 0	dB	/kr1 18.91 GHz	Auto Tune
-000 Start Freq -000 -000 -00					Center Freq 15.000000000 GHz
-70.0 -1 -1 -1 -1 -20.00000000 GI -80.0 -1 <					Start Freq 10.000000000 GHz
.80 0 .80 0 .90 0 .90 0 .100 <p< td=""><td>-70.0</td><td></td><td></td><td>1</td><td>Stop Freq 20.000000000 GHz</td></p<>	-70.0			1	Stop Freq 20.000000000 GHz
-100 -110 -110 -110 Start 10.000 GHz Stop 20.000 GHz		astylener felsten and an and an an and an	www.wara.ana.anabh.turarishtiriya.apii.fayaalishti	hyperson and a farmer of the	CF Step 1.00000000 GHz <u>Auto</u> Man
Start 10.000 GHz Stop 20.000 GHz					Freq Offset 0 Hz
#Res BM 1.0 MHz #V/BM 3.0 MHz Sween 25.00 ms (1001 pts)	Start 10.000 GHz			Stop 20.000 GHz	
	#Res BW 1.0 MHz	#VBW 3.0 MHz			

LTE B4_10 M_Conducted Spurious(Above10 G)_High_QPSK_1RB



M RL RF 50.0 AC SENSE:INT ALION AUTO 05:21:36 PM Jan 02:205 Center Freq 15.000000000 GHz PNO: Fast Program Trig: Free Run #Atten: 0 dB #Avg Type: RMS TRig: 0:20 A 3 G 10 dB/div Ref -20.00 dBm Mkr118.85 GHz -73.555 dBm 30:0 AC AC <tha< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>Analyzer - Swept SA</th><th></th></tha<>							Analyzer - Swept SA	
Mkr1 18.85 GHz 10 dB/div Ref -20.00 dBm -30.0	Frequency	TRACE TO 2 4 5 5		#				
-30.0 -40.0 -50.0 -60.0 -70.0 -80.0 -90.0 -100	Auto Tune	lkr1 18.85 GHz						10 dB/div
50.0	Center Fred 15.000000000 GHz							
70.0 1 80.0 1 90.0 1 100 1	Start Fred 10.000000000 GH2							
90.0	Stop Free 20.000000000 GH:	1						70.0
	CF Step 1.00000000 GH <u>Auto</u> Ma	wander with the way was	notwith Mindows Weber	hybrichethorieeth	aphylhomosphil	aitente-dalije-faander be	where wheter which it has been a	
110	Freq Offse 0 H							
Start 10.000 GHz Stop 20.000 GHz #Dec BW 4.0 MHz Stop 20.000 GHz		Stop 20.000 GHz	Silvoon		2.0 6414-	#\/P\/		Start 10.00
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 25.00 ms (1001 pts)		5.00 ms (1001 pts)			5.0 WHZ	#VBW	WIN2	

LTE B4_15 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA				- 6 X
RL RF 50 Ω AC Center Freq 15.00000000	O GHZ PNO: East ++++ Trig: Free Run	ALIGN AUTO #Avg Type: RMS	05:24:23 PM Jan 03, 2025 TRACE 2 3 4 5 6	Frequency
10 dB/div Ref -20.00 dBm	PNO: Fast + Trig: Free Run IFGain:High #Atten: 0 dB	Ν	TYPE PPPPPP DET PPPPPPP Akr1 18.90 GHz -73.928 dBm	Auto Tune
-30.0				Center Freq 15.000000000 GHz
50.0				Start Free 10.000000000 GHz
-60.0			1	Stop Freq 20.000000000 GHz
80.0 mathatilana an	Hereport and a strange and	hand and a stand of the stand o	PEAK Whether the second second	CF Step 1.00000000 GHz <u>Auto</u> Mar
-100				Freq Offse 0 H:
-110 Start 10.000 GHz			Stop 20.000 GHz	
#Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 2	5.00 ms (1001 pts)	

LTE B4_15 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA				
Center Freq 15.00000000		SE:INT ALIGN AUTO #Avg Type: RMS Run	05:26:41 PM Jan 03, 2025 TRACE 1 2 3 4 5 0 TYPE MWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High #Atten: 0	dB	Vkr1 18.97 GHz -73.703 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 Manifeseerationalistic distribution of the second	www.gologoa.gopologicalada.htubol	yyonytogradian plant, myskola skogla stanaast. Am	herry and a short of parton and held and	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	Success	Stop 20.000 GHz 5.00 ms (1001 pts)	
#Res BW 1.0 WHZ		Sweep 2		

LTE B4_15 M_Conducted Spurious(Above10 G)_High_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA					- 6 ×
Center Freq 15.00000000	0 GHz PNO: Fast Trig	SENSE:INT	#Avg Type: RMS	05:31:40 PM Jan 03, 2025 TRACE 1 2 3 4 5 0 TYPE MWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBm		en: 0 dB		Mkr1 18.95 GHz -72.970 dBm	Auto Tune
30.0					Center Fred 15.000000000 GH;
50.0					Start Free 10.000000000 GH
70.0				1	Stop Free 20.000000000 GH
0.0 mlannishahahanahanahanahanahanah	nkontraktionalisekkaster	gastelevering.apdr	of Walandar Mangharan (1844)	epopulation and the sector	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 I		Success	Stop 20.000 GHz	
	#4844 3.01		Sweep	25.00 ms (1001 pts)	

LTE B4_20 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA				
RL RF 50 Ω AC Center Freq 15.00000000	0 GHz PNO: Fast ++- Trig: Free Run	ALIGN AUTO #Avg Type: RMS	05:34:25 PM Jan 03, 2025 TRACE 1 2 3 4 5 5 TYPE MWWWWW DET P P P P P P	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High #Atten: 0 dB	1	ост реререр Иkr1 19.23 GHz -73.317 dBm	Auto Tune
-og -30.0				Center Freq 15.000000000 GHz
50.0				Start Freq 10.000000000 GHz
70.0			1	Stop Freq 20.000000000 GHz
80.0	antites for former the source and the state of the state	www.huttentMathunggalaijahanter	angeneral and when the production	CF Step 1.00000000 GHz <u>Auto</u> Mar
-100				Freq Offset 0 Hz
-110			Stop 20.000 GHz	
#Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 2	5.00 ms (1001 pts)	

LTE B4_20 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB



X RL RF 50 Ω AC Center Freq 15.000000000 GI	Hz	SE:INT ALIGN AUTO #Avg Type: RMS	05:36:44 PM Jan 03, 2025	Frequency
	O: Fast Irig: Free		TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P	Frequency
	ain:High #Atten: 0 c	IB	Ukr1 19.27 GHz -73.819 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 Heriteratury property was addressed	tstargester high Wetsenhaustrahterhalt	n an a state and a state a	a howowned and a hard	CF Step 1.000000000 GHz <u>Auto</u> Man
-100				Freq Offset 0 Hz
-110 Start 10.000 GHz			Stop 20.000 GHz	
#Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 2	25.00 ms (1001 pts)	

LTE B4_20 M_Conducted Spurious(Above10 G)_High_QPSK_1RB





enter Freq 1.710000000 GHz Trig: Freq Run #Avg Type: RMS Trig: Trequency PNO: Wide ++	Agilent Spectrum Analyzer - S					
Auto Tune Ref Offiset 26.88 dB 9 9 10 10 10 10 10 10 10 10 10 10		000000 GHz			TRACE 1 2 3 4 5 6	Frequency
Center Freq 1.7100000 GHz Res BW 15 kHz Center Freq Center 	10 dB/div Ref 26.88	IFGain:Low		Mkr1	1.710 000 GHz	Auto Tune
Start Freq Start Freq 1.70800000 GHz Stop Freq 1.71200000 GHz Stop Freq 1.71200000 GHz CF Step 400.000 KHz Auto Man Freq Offset 0 Hz Stop Kreq 1.71200000 GHz Span 4.000 MHz Span 4.000 MHz Span 4.000 MHz	16.9		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Center Freq 1.710000000 GHz
Stop Freq 1.71200000 GHz Res BW 15 kHz	3.12					
400.000 kHz 400.000 kHz Man Freq Offset 0 Hz Senter 1.710000 GHz Res BW 15 kHz #VBW 47 kHz #VBW 47 kHz #Sweep 2.000 s (1001 pts)	-13.1				-13.00 dBm	
53.1 Freq Offset 53.1 Freq Offset 53.1 Freq Offset 53.1 Senter 1.710000 GHz Res BW 15 kHz #VBW 47 kHz	33.1		and the second s	had been m		400.000 kHz
enter 1.710000 GHz Span 4.000 MHz Res BW 15 kHz #VBW 47 kHz #Sweep 2.000 s (1001 pts)		en and a state of the state of			RMS	and the second sec
					Span 4.000 MHz	
	#Res BW 15 kHz	#VBV	47 kHz			

LTE B4_1.4M_Band Edge_Low_QPSK_1RB

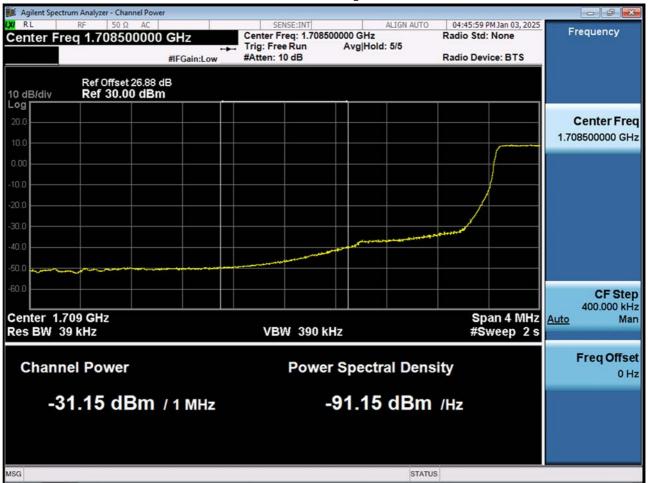




Agilent Spectrum Analyzer - Swept SA				- -
RL RF 50 Ω AC Center Freq 1.710000000 C C C C	GHZ PNO: Wide Trig: Free Ru	#Avg Type: RMS	04:45:41 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
Ref Offset 26.88 dB 10 dB/div Ref 26.88 dBm	PNO: Wide Trig: Free Rt IFGain:Low #Atten: 10 dl	3	1.709 996 GHz -28.406 dBm	Auto Tune
16.9				Center Freq 1.710000000 GHz
3.12				Start Fred 1.708000000 GH
23.1			-13.00 dBm	Stop Fred 1.712000000 GH2
43.1	page and		RMS RMS	CF Step 400.000 kH Auto Mar
53.1 month and a start of the s				Freq Offse 0 H:
-63.1 Center 1.710000 GHz #Res BW 15 kHz	#VBW 47 kHz	#Swaan	Span 4.000 MHz 2.000 s (1001 pts)	
ISG	#VDVV 47 KHZ	#Sweep	- t	

LTE B4_1.4M_Band Edge_Low_QPSK_FullRB





LTE B4_1.4M_Extended Band Edge_Low_QPSK_FullRB





Agilent Spectrum Analyzer - Swept SA				
Center Freq 1.755000000		#Avg Type: RMS	04:51:52 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE A WARMAN	Frequency
Ref Offset 26.88 dB 10 dB/div Ref 26.88 dBm	PNO: Wide Irig: Free Run IFGain:Low #Atten: 10 dB	Mkr1	1.755 000 GHz -22.891 dBm	Auto Tune
16.9				Center Freq 1.755000000 GHz
3.12				Start Fred 1.753000000 GHz
-13.1			-13.00 dBm	Stop Fred 1.757000000 GHz
33.1	and have been a second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		CF Step 400.000 kHz <u>Auto</u> Mar
-53.1		and a second sec	RMS	Freq Offset 0 Hz
-63.1 Center 1.755000 GHz #Res BW 15 kHz	#VBW 47 kHz	#011/00/17	Span 4.000 MHz 2.000 s (1001 pts)	
ARES BW 15 KHZ	#VDW 47 KHZ	#Sweep	2.000 S (1001 pts)	

LTE B4_1.4M_Band Edge_High_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA				
Center Freq 1.755000000 GH	Z IO: Wide	#Avg Type: RMS	04:51:13 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
Ref Offset 26.88 dB 10 dB/div Ref 26.88 dBm	Gain:Low #Atten: 10 dB	Mkr1	1.755 004 GHz -24.888 dBm	Auto Tune
16.9				Center Freq 1.755000000 GHz
-3.12				Start Freq 1.753000000 GHz
-13.1	1 1		-13.00 dBm	Stop Freq 1.757000000 GHz
-33.1	When the second shalls	- Jelsiesmoring		CF Step 400.000 kHz <u>Auto</u> Man
-53.1		Minister Para	RMS RMS	Freq Offset 0 Hz
-63.1 Center 1.755000 GHz #Res BW 15 kHz	#VBW 47 kHz	#6\₩200	Span 4.000 MHz 2.000 s (1001 pts)	
MSG		#Sweep	2.000 S (1001 pts)	

LTE B4_1.4M_Band Edge_High_QPSK_FullRB





LTE B4_1.4M_Extended Band Edge_High_QPSK_FullRB





Agilent Spectrum Analyzer - Sw					- 6 ×
Center Freq 1.7100		SENSE:INT	#Avg Type: RMS	04:57:48 PM Jan 03, 2025 TRACE 1 2 3 4 5 0 TYPE A WWWWW DET A A A A A A A	Frequency
Ref Offset 2 10 dB/div Ref 26.88	IFGain:Low	#Atten: 10 dB	Mkr1	1.709 996 GHz -19.744 dBm	Auto Tune
16.9					Center Freq 1.710000000 GHz
-3.12					Start Freq 1.708000000 GHz
-13.1				-13.00 dBm	Stop Freq 1.712000000 GHz
-43.1		and the second s	Jac .		CF Step 400.000 kHz <u>Auto</u> Man
-53.1				RMS	Freq Offset 0 Hz
-63.1 Center 1.710000 GHz				Span 4.000 MHz	
#Res BW 30 kHz	#VB	W 91 kHz		2.000 s (1001 pts)	
ISG			STATUS		

LTE B4_3 M_Band Edge_Low_QPSK_1RB





	ctrum Analyzer - Swept SA						
Center F	RF 50 Ω AC req 1.710000000) GHz	SENSE:INT	#Avg Ty	ALIGN AUTO	04:57:10 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
10 dB/div	Ref Offset 26.88 dB Ref 26.88 dBm	PNO: Wide ↔ IFGain:Low	#Atten: 10 dB		Mkr1	1.710 000 GHz -24.288 dBm	Auto Tune
16.9							Center Freq 1.710000000 GHz
-3.12				ethidusenenstunetunetunetu		RMS	Start Freq 1.708000000 GHz
-13.1						-13.00 dBm	Stop Freq 1.712000000 GHz
-33.1		nangalan ang ang ang ang ang ang ang ang ang a					CF Step 400.000 kHz Auto Man
-53.1							Freq Offset 0 Hz
-63.1	710000 GHz					Span 4.000 MHz	
#Res BW		#VBW	91 kHz		#Sweep	2.000 s (1001 pts)	
MSG					STATUS		

LTE B4_3 M_Band Edge_Low_QPSK_FullRB





LTE B4_3 M_Extended Band Edge_Low_QPSK_FullRB





	ectrum Analyzer - Swept SA							
Center F	RF 50 Ω AC req 1.75500000	0 GHz	SENSE:INT	#Avg Typ	ALIGN AUTO	05:03:04 PI TRACE	1 Jan 03, 2025	Frequency
10 dB/div	Ref Offset 26.88 dE Ref 26.88 dBm	PNO: Wide ++ Trig IFGain:Low #Att	Free Run en: 10 dB	Harrisoff - Kelka	Mkr1	1.755 0 -18.17	123456 A A A A A A A A A A A A A A O GHz O dBm	Auto Tune
16.9			}					Center Freq 1.755000000 GHz
-3.12								Start Freq 1.753000000 GHz
-13.1			1				-13.00 dBm	Stop Freq 1.757000000 GHz
-33.1			hand	and the second				CF Step 400.000 kHz <u>Auto</u> Man
-43.1	and the second second						RMS	Freq Offset 0 Hz
-63.1	755000 GHz					Span 4.	000 MHz	
#Res BW	30 kHz	#VBW 91 k	Hz			2.000 s (1	001 pts)	
30					STATUS	,		

LTE B4_3 M_Band Edge_High_QPSK_1RB





Agilent Spectrum Analyzer - Swept SA	· · · · · · · · · · · · · · · · · · ·			- 6 ×
Center Freq 1.755000000	PNO: Wide Trig: Free	#Avg Type: F Run	GN AUTO 05:02:24 PM Jan 03, 2025 CMS TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A	Frequency
Ref Offset 26.88 dB 0 dB/div Ref 26.88 dBm	IFGain:Low #Atten: 10) dB	Mkr1 1.755 000 GHz -22.674 dBm	
16.9				Center Free 1.755000000 GH
1.12				Start Fre 1.753000000 GH
3.1		1	-13.00 dBm	Stop Fre 1.757000000 GH
3.1		Manage and and	RMS	CF Ste 400.000 kH Auto Ma
3.1				Freq Offs 0 F
Eenter 1.755000 GHz Res BW 30 kHz	#VBW 91 kHz		Span 4.000 MHz Sweep 2.000 s (1001 pts)	
SG	#VBW 91 KH2	#5	status	

LTE B4_3 M_Band Edge_High_QPSK_FullRB





LTE B4_3 M_Extended Band Edge_High_QPSK_FullRB





Agilent Spectrum Analyzer - Swept SA				
Center Freq 1.710000000	CHZ PNO: Wide ↔ Trig: Free Run	#Avg Type: RMS	05:05:41 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A A	Frequency
Ref Offset 26.88 dB 10 dB/div Ref 26.88 dBm	IFGain:Low #Atten: 10 dB	Mkr1	1.710 000 GHz -21.704 dBm	Auto Tune
16.9				Center Freq 1.710000000 GHz
-3.12				Start Freq 1.708000000 GHz
-13.1	1		-13.00 dBm	Stop Freq 1.712000000 GHz
-33.1			RMS	CF Step 400.000 kHz <u>Auto</u> Man
-53.1				Freq Offset 0 Hz
-63.1 Center 1.710000 GHz #Res BW 51 kHz	#VBW 160 kHz	#Sween	Span 4.000 MHz 2.000 s (1001 pts)	
AKES DW JI KHZ	# V D V 100 KH2	STATUS		

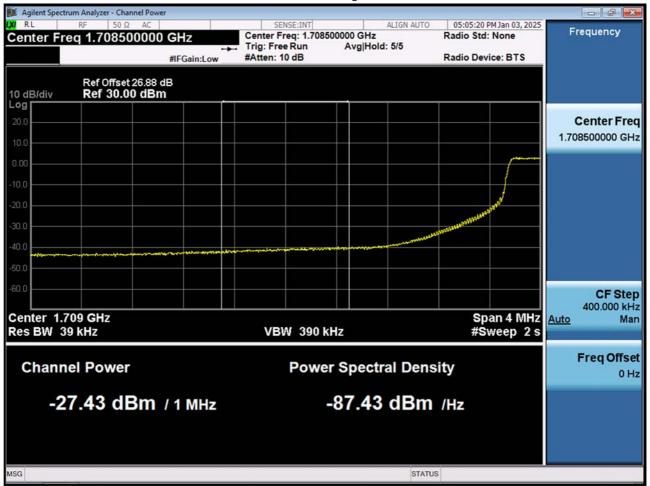
LTE B4_5 M_Band Edge_Low_QPSK_1RB



- 6 🔀				NOTES	gilent Spectrum Analyzer - Swept SA
Frequency	05:05:02 PM Jan 03, 2025 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	#Avg Type: RMS	SENSE:INT	AC 00000 GHz PNO: Wide	nter Freq 1.710000000
Auto Tune	1.709 996 GHz -24.096 dBm	Mkr1	#Atten: 10 dB	IFGain:Low	Ref Offset 26.88 dB B/div Ref 26.88 dBm
Center Freq 1.710000000 GHz					
Start Freq 1.708000000 GHz	RMS	**************************************			
Stop Freq 1.712000000 GHz	-13.00 dBm		1 and		
CF Step 400.000 kHz Auto Man			Another Market and	Newspanning	and the second
Freq Offset 0 Hz					
	Span 4.000 MHz				nter 1.710000 GHz
	2.000 s (1001 pts)	#Sweep	160 kHz	#VBW	es BW 51 kHz

LTE B4_5 M_Band Edge_Low_QPSK_FullRB





LTE B4_5 M_Extended Band Edge_Low_QPSK_FullRB





	ctrum Analyzer - Swept SA								
X RL Center F	RF 50 Ω AC reg 1.755000000) GHz	SEN	SE:INT	#Avg Typ	ALIGN AUTO		M Jan 03, 2025	Frequency
10 dB/div	Ref Offset 26.88 dB Ref 26.88 dBm	PNO: Wide ++- IFGain:Low	Trig: Free #Atten: 10					E 1 2 3 4 5 6 A A A A A A A 100 GHz 79 dBm	Auto Tune
16.9			\mathcal{I}						Center Freq 1.755000000 GHz
-3.12									Start Freq 1.753000000 GHz
-13.1				1				-13.00 dBm	Stop Freq 1.757000000 GHz
-33.1		por la companya da companya		from		Lumme		RMS	CF Step 400.000 kHz <u>Auto</u> Man
-53.1							alandar marad		Freq Offset 0 Hz
	755000 GHz	#\/ D \\	460 111-			# 0	Span 4	.000 MHz	
#Res BW	51 KHZ	#VBW	160 kHz			#Sweep		1001 pts)	
100						STATUS			

LTE B4_5 M_Band Edge_High_QPSK_1RB

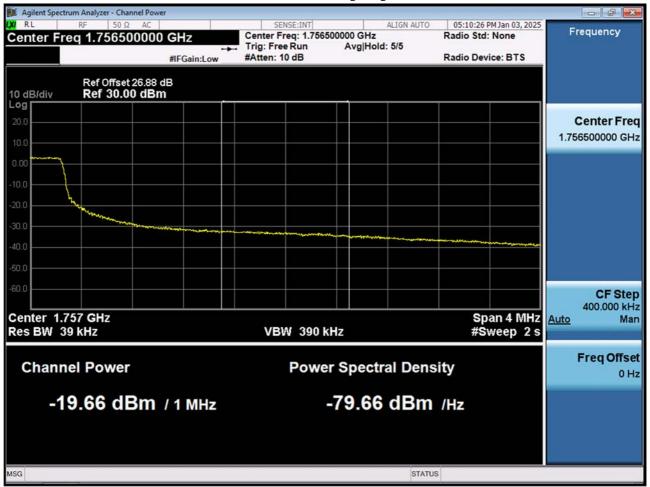




Agilent Spectrum Analyzer - Swept SA					- 6 X
Center Freq 1.755000000		e Run	#Avg Type: RMS	05:10:09 PM Jan 03, 2025 TRACE 1 2 3 4 5 5 TYPE A 4 A A A A A	Frequency
Ref Offset 26.88 dB 10 dB/div Ref 26.88 dBm	IFGain:Low #Atten: 1	0 dB	Mkr1	1.755 016 GHz -22.920 dBm	Auto Tune
16.9					Center Freq 1.755000000 GHz
3.12					Start Fred 1.753000000 GH2
-13.1		1		-13.00 dBm	Stop Freq 1.757000000 GHz
-43.1			and the and the second s	RMS	CF Step 400.000 kHz Auto Mar
53.1					Freq Offse 0 H:
-53.1 Center 1.755000 GHz #Res BW 51 kHz	#VBW 160 kHz		#Sween	Span 4.000 MHz 2.000 s (1001 pts)	
	#VBW 100 KH2		#Sweep	1	

LTE B4_5 M_Band Edge_High_QPSK_FullRB





LTE B4_5 M_Extended Band Edge_High_QPSK_FullRB





Agilent Spectrum Analyzer - Swept SA				- 6 ×
Center Freq 1.710000000	GHz PNO: Wide ↔ Trig: Free Run	#Avg Type: RMS	05:13:35 PM Jan 03, 2025 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A A	Frequency
Ref Offset 26.88 dB 10 dB/div Ref 26.88 dBm	IFGain:Low #Atten: 10 dB	Mkr1	1.710 000 GHz -31.665 dBm	Auto Tune
16.9				Center Freq 1.710000000 GHz
3.12				Start Freq 1.708000000 GHz
-13.1			-13.00 dBm	Stop Freq 1.712000000 GHz
33.1		\ \	RMS	CF Step 400.000 kHz <u>Auto</u> Man
53.1				Freq Offset 0 Hz
63.1 Center 1.710000 GHz	#\/DW/ 200 //U=		Span 4.000 MHz	
#Res BW 100 kHz	#VBW 300 kHz	#Sweep	2.000 s (1001 pts)	

LTE B4_10 M_Band Edge_Low_QPSK_1RB





Agilent Spectrum Analyzer - Swept SA				o đ 🗙
RL RF 50 Ω AC Center Freq 1.710000000	GHz PNO: Wide ↔ Trig: Free F	#Avg Type: RMS	0 05:12:56 PM Jan 03, 2025 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
Ref Offset 26.88 dB 10 dB/div Ref 26.88 dBm	IFGain:Low #Atten: 10		r1 1.709 992 GHz -28.139 dBm	Auto Tune
16.9				Center Freq 1.710000000 GHz
3.12			RMS	Start Fred 1.708000000 GHz
-13.1			-13.00 dBm	Stop Freq 1.712000000 GHz
43.1	Mercelen and a second and as			CF Step 400.000 kH Auto Mar
53.1				Freq Offse 0 Hi
-63.1	#\/B\\/ 200 \-\\-		Span 4.000 MHz	
#Res BW 100 kHz	#VBW 300 kHz		ep 2.000 s (1001 pts) πυs	

LTE B4_10 M_Band Edge_Low_QPSK_FullRB





LTE B4_10 M_Extended Band Edge_Low_QPSK_FullRB



Agilent Spectrum Analyzer - Swe					
Center Freq 1.75500	00000 GHz	SENSE:INT	#Avg Type: RMS	05:18:39 PM Jan 03, 2025 TRACE 1 2 3 4 5 5 TYPE A WWWWW DET A A A A A A	Frequency
Ref Offset 26	IFGain:Low	#Atten: 10 dB	Mkr1	1.755 004 GHz -29.694 dBm	Auto Tune
- og 16.9					Center Freq 1.755000000 GHz
3.12		\			Start Freq 1.753000000 GHz
-13.1				-13.00 dBm	Stop Freq 1.757000000 GHz
43.1	/		have been and the second	RMS	CF Step 400.000 kHz <u>Auto</u> Man
53.1					Freq Offset 0 Hz
-63.1 Center 1.755000 GHz #Res BW 100 kHz	#VBW 3	300 kHz	#Sween	Span 4.000 MHz 2.000 s (1001 pts)	
ISG			STATUS		

LTE B4_10 M_Band Edge_High_QPSK_1RB

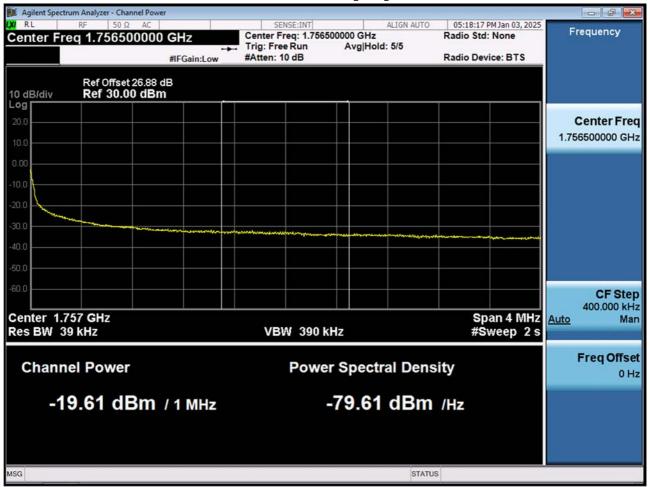




Agilent Spectrum Analyzer - Swept SA				
Center Freq 1.755000000	GHz PNO: Wide ↔ Trig: Free Run	#Avg Type: RMS	05:17:59 PM Jan 03, 2025 TRACE 1 2 3 4 5 0 TYPE A WWWWW DET A A A A A A	Frequency
Ref Offset 26.88 dB 10 dB/div Ref 26.88 dBm	IFGain:Low #Atten: 10 dB	Mkr1	1.755 004 GHz -24.626 dBm	Auto Tune
16.9				Center Freq 1.755000000 GHz
-3.12				Start Freq 1.753000000 GHz
-13.1	1		-13.00 dBm	Stop Freq 1.757000000 GHz
-33.1			RMS	CF Step 400.000 kHz <u>Auto</u> Man
53.1				Freq Offset 0 Hz
-63.1 Center 1.755000 GHz #Res BW 100 kHz	#VBW 300 kHz	#Suuces	Span 4.000 MHz 2.000 s (1001 pts)	
#Res BW 100 KHZ	#VDW 300 KHZ	#Sweep	2.000 S (1001 pts)	

LTE B4_10 M_Band Edge_High_QPSK_FullRB





LTE B4_10 M_Extended Band Edge_High_QPSK_FullRB