



Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	Spectrum Analyzer Swept SA	3 Spectrum Analyze Channel Power	er 4 🕇	Frequency	- T 2,
RL Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB PNO: B Preamp: Off Gate: C IF Gain Sig Trav	lest Wide #Avg Type: Power Mf Trig: Free Run : Low ck: Off	(RMS123456 A WWWWW A N N N N N	Center Frequency 865.500000 MHz	Settings
1 Spectrum V	Re	ef Lvi Offset 40.10 dB	Mkr1	867.880 MHz -34.873 dBm	5.0000000 MHz	
				-34.073 dBill	Swept Span Zero Span	
10.4					Full Span	
0.370					Start Freq 863.000000 MHz	
-19.6					Stop Freq 868.000000 MHz	
-29.6				DL1-32-03 📢	AUTO TUNE	
-39.6				9	CF Step 500.000 kHz	
-49.6					Auto Man	
-69.6					Freq Offset 0 Hz	
Start 863.000 MHz #Res BW 51 kHz		#Video BW 150 kHz	#Sweep	Stop 868.000 MHz ~10.1 s (1001 pts)	X Axis Scale Log Lin	
100	May 14, 2020 2:27:47 PM	$\Theta \triangle$			Signal Track (Span Zoom)	

Port A , Channel Position T, LTE 5.0MHz









Configuration WCDMA+LTE+NB-IoT-MC-4-BE, (1WCDMA QPSK +1LTE, QPSK+2SA, QPSK)

Pond Edgo Eroguonov	Channel Randwidth	RBW	Limit
Danu Euge Frequency		(KHz)	(dBm)
Channel Position B	(NB) 250KHz,(W) 5.0MHz	2	-19.02
	(L) 1.4 MHz	3	
Channel Position T	(NB) 250KHz,(W) 5.0MHz	2	10.02
	(L) 1.4 MHz	3	-19.02

Port A , Channel Position B, LTE 1.4MHz



Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	Spectrum Analyz Swept SA	ter 3 , Sp Ch	bectrum Analyzer 4 hannel Power	+	Frequency	- 7 蒜
RL Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB PNO Preamp: Off Gate IF Gate Sig T	: Best Wide # : Off Ti ain: Low Track: Off	Avg Type: Power (RMS rig: Free Run	2 3 4 5 6 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Center Frequency 865.500000 MHz	Settings
1 Spectrum v Scale/Div 10 dB	R	ef LvI Offset 40.10 dB ef Level 20.37 dBm		Mkr1 864. -33.5	140 MHz 64 dBm	5.00000000 MHz	
Log						Zero Span	
0.370						Start Freq	
-9.63						863.000000 MHz Stop Freq	
-29.6	1)L <u>1-32:03 dBm</u>	AUTO TUNE	
-39.6					*****	CF Step 500.000 kHz	
-49.6						Auto Man	
-69.6						Freq Offset 0 Hz	
Start 863.000 MHz #Res BW 51 kHz		#Video BW 150 kHz		Stop 8 #Sweep ~10.1	68.000 MHz s (1001 pts)	X Axis Scale Log Lin	
	May 14, 2020 2:57:07 PM				ΗX	Signal Track (Span Zoom)	





Port A , Channel Position T, LTE 1.4MHz



Spectrum Analy Swept SA	zer 1	Spectrum Analyzer 2 Swept SA	Spectrum A Swept SA	Analyzer 3	+		Frequency	- ' 崇
KEYSIGHT RL	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pov Trig: Free Run	ver (RMS <mark>1</mark> 23456) A WWWWW A N N N N N	Center Frequency 897.500000 MHz	Settings
1 Spectrum	•	R	ef Lvi Offset 40.10	0 dB	Mkr1	895.000 MHz	5.00000000 MHz	
Scale/Div 10 d	в	R	ef Level 20.37 dB	m		-38.770 dBm	Swept Span Zero Span	
10.4							Full Span	
0.370							Start Freq 895.000000 MHz	
-9.63							Stop Freq	
-29.6						DL1-32.03 dBm		
-39.6							CF Step	
-49.6	All April 10 and 10 and 10 and 10	a fir . Maka akan yang dari ya	waytern cale and all	areter singer and the stand	Newsen Margaret	vveckhallalalevi-sjillevitlavaalle	Auto Man	
-69.6							Freq Offset 0 Hz	
Start 895.000 M #Res BW 51 ki	//Hz Hz		#Video BW 150 ki	Hz	#Swee	Stop 900.000 MHz p ~10.1 s (1001 pts)	X Axis Scale Log Lin	
1 5		May 14, 2020 12:50:50 PM					Signal Track (Span Zoom)	

Configuration WCDMA+LTE+NB-IoT-MC-5-BE, (1WCDMA QPSK +1LTE, QPSK+2SA, QPSK)

Band Edge Frequency	quency Channel Bandwidth		Limit (dBm)
Channel Position B	(NB) 250KHz,(W) 5.0MHz (L) 5.0 MHz	3	-19.02
Channel Position T	(NB) 250KHz,(W) 5.0MHz (L) 5.0 MHz	3	-19.02





Port A, Channel Position B, LTE 5.0MHz

Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Sp Swept SA St	ectrum Analyzer 3 vept SA	Spectrum Analyzer 4 Channel Power	+ 🌣	Frequency	- 1 🐺
RL Align: Auto	Input Z: 50 Ω #Atten: 2: Corrections: Off Preamp: Freq Ref: Int (S) NFE: Adaptive	4 dB PNO: Best Wide Off Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS12: Trig: Free Run A WW A N M	3 4 5 6 Cente 869.	er Frequency 000000 MHz	Settings
1 Spectrum v Scale/Div 10 dB	Ref Lvi Off Ref Level	set 40.10 dB 11.29 dBm	Mkr1 869.000 -28.199	MHz 2.00	000000 MHz	
					zero Span	
21.3		or whether the		Start	Full Span	
11.3				868. Stop	000000 MHz	
1.29				870.	000000 MHz	
-8.71			DL1-1	9.02 dBm CF S	AUTO TUNE	
-28.7		1		200.	000 kHz Auto	
-38.7	and the second s	N	Mundurlinders m. and	Freq	vlan Offset	
-48.7 bad <u>runnigelier</u> nennigelier	enterfletten og ander af en		an en de la factoria anti-alianada	0 Hz	s Scale	
Start 868.000 MHz #Res BW 3.0 kHz	#Video E	3W 9.1 kHz	Stop 870.0 #Sweep 10.0 s (10	00 MHz 001 pts)	Log Lin	
4 h C	3:04:16 PM			Signa (Span	I Track Zoom)	

Spectrum Analy Swept SA	/zer 1	Spectrum Analyzer 2 Swept SA	Spectrum A Swept SA	nalyzer 3	Spectrum Analy: Channel Power	zer 4	+	*	Frequency	- * 米
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Powe Trig: Free Run	er (RMS <mark>123</mark> A \\\\ A N N	456 WWW NNN	Center Fr 865.5000	equency 000 MHz	Settings
1 Spectrum	•	R	ef Lvi Offset 40.1	0 dB	Mkr1	867.615	MHz	5.000000	000 MHz	
Scale/Div 10 d	В	R	ef Level 20.37 dB	m		-33.426	dBm	Swej Zero	ot Span Span	
10.4								Ful	l Span	
0.370								Start Free		
-9.63								Chan Eres		
-19.6								868.000	000 MHz	
-29.6						₽ĿŶ	1 3 dBm	AUT	O TUNE	
-39.6		and the second and the	***************************************	and the second sec				CF Step	kH7	
-49.6								Auto		
-59.6								Fred Offs	et	
-69.6								0 Hz	r4	
Start 863.000 / #Res BW 51 ki	MHz Hz		#Video BW 150 k	Hz	#Sweep	Stop 868.00 p ~10.1 s (10	00 MHz 01 pts)	X Axis Sc Log Lin	ale	
ま り		May 14, 2020 3:04:31 PM					X	Signal Tra	ick	









Spectrum Au Swept SA	nalyzer 1	Spectrum Analyzer 2 Swept SA	Spectrum Swept SA	Analyzer 3	+	₽	Frequency	· • 🚼
	HT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 : Trig: Free Run A Wa A N 1	3 4 5 6 4 W W W 897.5	r Frequency 600000 MHz	Settings
1 Spectrum Scale/Div 1	7 0 dB	R	tef LvI Offset 40.1 Ref Level 20.37 dF	10 dB	Mkr1 895.005	MHz 5.000	00000 MHz	
Log		· · ·					wept Span ero Span	
10.4							Full Span	
0.370						Start F 895.0	req 100000 MHz	
-9.63						Stop F 900.0	req 100000 MHz	
-29.6					DL1-3	2-03 dBm	UTO TUNE	
-39.6						CF St 500.0	ep 100 kHz	
-49.6	والإسلامية يسهره	allengthenuranserand	pan and an	and the states of the states o	anahoonah ahahahahahahahahahahahahahahahahahah		uto Ian	
-69.6						Freq 0 0 Hz	Offset	
Start 895.00 #Res BW 5	00 MHz 1 kHz		#Video BW 150 I	٢Hz	Stop 900.0 #Sweep ~10.1 s (10	00 MHz 001 pts)	Scale .og .in	
د 🖡		May 14, 2020 12:54:43 PM				Signal (Span	Track Zoom)	





A.4 Conducted Spurious Emission

A.4.1 Reference

FCC CFR 47 Part 2, Clause 2.1051 FCC CFR 47 Part 22, Clause 22.917 RSS-132, Clause 5.5

A.4.2 Method of measurement

In accordance with FCC rules, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

The spurious emissions from the antenna terminal were measured. The transmitter output power was attenuated using an attenuator and the frequency spectrum investigated from 3KHz to 9GHz. The resolution bandwidth of 1MHz was employed for frequency band 3KHz to 9GHz. The spectrum analyzer detector was set to RMS.

For MIMO mode configurations, the limit was adjusted with a correction of -6.02dB [10Log(1/4)] by using the Measure and Add 10Log(N) dB technique according to KDB 662911 D01 Multiple Transmitter Output accounting for simultaneous transmission from antenna ports. Then the limit was adjust to -19.02dBm.

A.4.3 Measurement limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P) dB$.





A.4.4 Measurement results

Configuration WCDMA-1C QPSK

Channel Bandwidth	RBW	Limit
Channel Banuwiuth	(MHz)	(dBm)
5.0 MHz	1.0	-19.02

Port A, Channel Position B









Port A, Channel Position M

Spectrum Analy Swept SA	zer 1	Spectrum Analyzer 2 Channel Power	+			Frequency	v 🚼
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW A N N N N N	Center Frequency 1.500001500 GHz	Settings
1 Spectrum	•	R	ef Lvi Offset 40	.60 dB	Mkr1 1.760 4 GHz	2.99999700 GHz	
Scale/Div 10 dl	B	R	ef Level 44.60 c	iBm	-35.149 dBm	Swept Span Zero Span	
34.6						Full Span	
24.6						Start Freq 3.000 kHz	
4 60						Stop Freq	
-5.40						AUTO TUNE	
-15.4					DL1 -19.02 dBm	CF Step 299 999700 MHz	
-25.4		,		•1		Auto Man	
-45.4		an her and a start and a second start and	ander Austria andre Steasanser an andre	المحمد المعين ورجر ويعاد المحمد ورجم وروا	ah filoson in the second s	Freq Offset 0 Hz	
Start 3 kHz #Res BW 1.0 M	Hz		#Video BW 3.0	MHz	Stop 3.000 GHz #Sweep ~20.0 s (2000 pts)	X Axis Scale Log Lin	
ま り (May 13, 2020 4:04:35 PM	$\Box \triangle$			Signal Track (Span Zoom)	









Spectrum Analy Swept SA	/zer 1	+					Amplitude	·
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S)	#Atten: 16 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power Trig: Free Run	(RMS <mark>123456</mark> A WWWWW A N N N N N	Ref Level 29.97 dBm	Y Scale
1 Spectrum Scale/Div 10 d	v B	In C. Audpure	Ref LvI Offset 40 Ref Level 29.97 d	.97 dB dBm	Mk	r1 7.427 GHz -37.032 dBm	Scale/Div 10 dB	Attenuation Signal Path
20.0							Log Lin	, in the second
9.97							Y Axis Unit dBm v	
-10.0							40.97 dB	
-20.0					×1	UL1 -19.02 dBm	Number of Divisions	
-40.0	mm	non and	m	, Norman A	m	\mathcal{M}		
-50.0								
Start 3.000 GH #Res BW 1.0 M	z AHz		#Video BW 3.0	MHz	#Sweep	Stop 9.000 GH; ~20.1 s (2000 pts		
1 5		May 14, 2020 7:51:02 AM						

Configuration WCDMA-2C QPSK

Channel Bandwidth	RBW (MHz)	Limit (dBm)
5.0 MHz	1.0	-19.02

Port A, Channel Position M

Spectrum Analy Swept SA	zer 1	+					Marker	- 湯
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS <mark>1</mark> 23456) A \###### A N N N N N	Select Marker Marker 1	
1 Spectrum Scale/Div 10 d	, T		Ref LvI Offset 40.0 Ref Level 47.00 di	60 dB Bm	M	(r1 1.763 4 GHz -35.381 dBm	Marker Frequency 1.763382927 GHz	Settings
Log							Marker Mode	Search
37.0							Delta (Δ)	Config
17.0							Fixed	Properties
7.00							Off	Marker Function
-3.00							Delta Marker	Marker→
-13.0						DL1 -19.02 dBn	(Reset Delta) Marker Table	Counter
-23.0							On Off	
-33.0					Leenternanterinal	البيان وفياود والمارية الم	Marker Settings Diagram	
-43.0	*****	and a second					All Markers Off	
Start 3 kHz #Res BW 1.0 N	IHz		#Video BW 3.0 M	MHz	#Sw	Stop 3.000 GH eep ~20.0 s (2000 pts	Couple Markers On Off	
1 5		? May 14, 2020 7:56:54 AM						



	CAICT
No.I20Z602	238-WMD02

Spectrum Analy Swept SA	/zer 1	F						Ö	Frequency	- * 米
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 16 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Lov Sig Track: C	#Avg Type Trig: Free v	: Power (RMS Run	123456 A WWWWW ANNNNN	Center Fr 6.00000	requency 0000 GHz	Settings
1 Spectrum Scale/Div 10 d	,		Ref LvI Offset 40	.97 dB		Mkr1 7	7.430 GHz	6.00000	000 GHz	
Log		'						Zero	pt Span Span	
35.4								Fu	ll Span	
25.4								Start Free 3.00000	7 0000 GHz	
5.37								Stop Fred 9.00000	1 0000 GHz	
-4.63								AUT	O TUNE	
-14.6							DL1 -19.02 dBm	CF Step 600.000	000 MHz	
-24.6								Auto Man		
-44.6	mm	www.	-	M		n.m./		Freq Offs 0 Hz	et	
Start 3.000 GH #Res BW 1.0 N	z 1Hz		#Video BW 3.0	MHz		St Sweep ~20.	op 9.000 GH; 1 s (2000 pts	X Axis So Log Lin	ale	
1 5		May 14, 2020 7:58:06 AM						Signal Tra (Span Zoo	ack m)	

Configuration LTE-MIMO-1C QPSK

Channel Bandwidth	RBW (MHz)	Limit (dBm)
1.4 MHz	1.0	-19.02
3.0 MHz	1.0	-19.02
5.0 MHz	1.0	-19.02
10.0 MHz	1.0	-19.02
15.0 MHz	1.0	-19.02
20.0 MHz	1.0	-19.02

Port A, Channel Position B 1.4 MHz





Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	+				Marker	• 景
KEYSIGHT Input: RF L Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 16 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM Trig: Free Run	5123456 Awwwww Annnn	Select Marker Marker 1	•
1 Spectrum ▼ Scale/Div 10 dB	R	ef Lvi Offset 40.9 ef Level 28.97 dB	7 dB m	Mkr1 7 -36	.442 GHz .817 dBm	Marker Frequency 7.442221111 GHz Marker Mode	Settings Peak Search
19.0						ο Normal	Pk Search Config
-1.03						Fixed	Properties Marker
-11.0					DL1 -19.02 dBm	Off Delta Marker	Function Marker→
-31.0				1		(Reset Delta) Marker Table	Counter
-51.0		- Marine	\sim		$\overline{\mathbf{W}}$	Marker Settings Diagram	
-61.0					0 000 011-	All Markers Off Couple Markers	
#Res BW 1.0 MHz	May 14, 2020 8:29:45 AM		nz	#Sweep ~20.4	is (2000 gHz)	On Off	

Port A, Channel Position M 1.4 MHz

Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	+			Marker Marker	- * 崇
KEYSIGHT Input: RF L Coupling: DC Align: Auto	Input Z: 50 Ω # Corrections: Off P Freq Ref: Int (S) NEF: Adaptive	Atten: 24 dB PN reamp: Off Gai IF (Sig	O: Fast #Avg Ty te: Off Trig: Fr Gain: Low Track: Off	ype: Power (RMS 1 2 3 4 5 6 ee Run A WW WWW A N N N N N	Select Marker Marker 1	•
1 Spectrum v Scale/Div 10 dB	Ref Ref	Lvi Offset 40.60 dE Level 48.60 dBm	3	Mkr1 1.763 4 GHz -35.126 dBm	Marker Frequency 1.763382927 GHz	Settings Peak
38.6					Normal	Search Pk Search Config
18.6					Delta (Δ) Fixed	Properties Marker
8.60					Off Delta Marker	Function Marker→
-11.4				DL1 -19.02 dBm	(Reset Delta) Marker Table On	Counter
-31.4			∳ 1		Off Marker Settings Diagram	
-41.4 Start 3 kHz	**************************************	/ideo BW 3.0 MHz		Stop 3.000 GHz	All Markers Off Couple Markers On	
	May 14, 2020 5:35:25 AM			#Sweep ~20.0 s (2000 pts)	Off	







Port A, Channel Position T 1.4 MHz

Spectru Swept S	im Analyzer 1 SA	Spectrum Analyzer 2 Swept SA	+				Marker	- * 器
	IGHT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (I Trig: Free Run	RMS123456 A WWWWW A N N N N N	Select Marker Marker 1	
1 Spect Scale/I	rum v Div 10 dB	Ri	ef Lvi Offset 4 ef Level 48.60	40.60 dB) dBm	Mkr1	1.787 4 GHz 37.285 dBm	Marker Frequency 1.787394909 GHz	Settings Peak
38.6							Normal	Search Pk Search Config
28.6							Delta (Δ)	Properties
8.60 -							off	Marker Function
-1.40 - -11.4 -							Delta Marker (Reset Delta) Marker Table	Counter
-21.4 -						DL1 -19.02 dBm	On Off	
-31.4 -				1 مىرىم بىرى مىرىي			All Markers Off	
Start 3 #Res B	kHz W 1.0 MHz		#Video BW 3.	0 MHz	#Sweep ~	Stop 3.000 GHz 20.0 s (2000 pts)	Couple Markers On Off	
	5	? May 14, 2020 8:42:20 AM						



Port A, Channel Position B 3.0 MHz





Spectrum Analy Swept SA	zer 1	Spectrum Analyzer 2 Swept SA	+				Marker	· · · 宗
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 16 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RI Trig: Free Run	MS <mark>123456</mark> A WW WW W A N N N N N	Select Marker Marker 1	
1 Spectrum Scale/Div 10 d	, B	R	ef Lvi Offset 40. ef Level 28.97 d	.97 dB IBm	Mkr1 -3	7.430 GHz 6.906 dBm	Marker Frequency 7.430215108 GHz Marker Mode	Settings Peak Search
19.0							 Normal Delta (Δ) 	Pk Search Config
-1.03							Fixed	Properties Marker Function
-11.0						DL1 -19.02 dBm	Off Delta Marker (Reset Delta)	Marker→
-31.0	~ ~		() () ()	the second second			Marker Table On Off	Counter
-51.0							Marker Settings Diagram	
Start 3.000 GH	z		#Video BW 3.0	MHz	#Supor -20	Stop 9.000 GHz	All Markers Off Couple Markers On	
		May 14, 2020 8:47:04 AM			#Sweep ~20		Off	

Port A, Channel Position M 3.0 MHz









Port A, Channel Position T 3.0 MHz

Spectrum Analyzer Swept SA	1 Spe Sw	ectrum Analyzer 2 ept SA	+				Marker	※
	ut: RF upling: DC gn: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (Trig: Free Run	(RMS <mark>1</mark> 23456 A WWWWW ANNNNN	Select Marker Marker 1	
1 Spectrum Scale/Div 10 dB	v	R	ef LvI Offset 4 ef Level 48.60	l0.60 dB dBm	Mkr1	1.784 4 GHz -36.826 dBm	Marker Frequency 1.784393412 GHz	Settings Peak
38.6							Normal	Search Pk Search Config
28.6							Delta (Δ)	Properties
8.60		_					off	Marker Function
-1.40							Delta Marker (Reset Delta) Marker Table	Marker→ Counter
-21.4						DL1 -19.02 dBm	On Off	
-31.4	موراد أداده والقام والحصور			1	alaharan menderatan di madaman menderata	rand / ip 1.45 hig ball not can be written all all a	All Markers Off	
Start 3 kHz #Res BW 1.0 MHz			#Video BW 3.	0 MHz	#Sweep ~	Stop 3.000 GHz •20.0 s (2000 pts)	Couple Markers On Off	1
1 50	2?	May 14, 2020 8:53:55 AM						









Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	• +			₽	Frequency	-
KEYSIGHT Input: RF Coupling Align: Au	Input Z: 50 Ω Corrections: Off to Freq Ref: Int (S) NFE: Adaptive	#Atten: 16 dB Pt Preamp: Off Ga IF Si	NO: Fast ate: Off Gain: Low g Track: Off	#Avg Type: Power (RMS 1 2 3 Trig: Free Run A \\ A N N	4 5 6 WWW N N N Soor	er Frequency 0000000 GHz	Settings
1 Spectrum		Ref Lvi Offset 40.97 d	в	Mkr1 7.445	GHz 6.00	000000 GHz	
Log				-51.015 (Ē	Swept Span Zero Span	
19.0						Full Span	
8.97					Start 3.00	Freq 0000000 GHz	
-1.03					Stop	Freq	
-21.0				DL1 -19.	02 dBm	AUTO TUNE	
-31.0				1	CF S	itep	
-41.0	n 1 m	AAAA		<u>Annah</u>	600	000000 MHz Auto	
-51.0			V V V		Freq	Man Offset	
-61.0					0 Hz		
Start 3.000 GHz #Res BW 1.0 MHz		#Video BW 3.0 MHz		Stop 9.00 #Sweep ~20.1 s (200	0 GHz 0 pts)	s Scale Log Lin	
100	May 17, 2020 7:48:34 AM	\mathbf{P}			Sign: (Spar	al Track n Zoom)	

Port A, Channel Position M 5.0 MHz









Port A, Channel Position T 5.0 MHz

Spectrum Analy Swept SA	/zer 1	Spectrum Analyzer 2 Swept SA	+			Frequency	- • E
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run A WW WW W A N N N N N	Center Frequency 1.500001500 GHz	Settings
1 Spectrum Scale/Div 10 d Log	r B	R	tef LvI Offset 40 tef Level 48.60 c	1.60 dB JBm	Mkr1 1.782 9 GHz -34.049 dBm	2.999999700 GHz	
						Full Span	
						Start Freq 3.000 kHz	
8.60						Stop Freq 3.000000000 GHz	
						AUTO TUNE	
				. 1	DL1 -19.02 dBm	299.999700 MHz	
-31.4						Freq Offset	
Start 3 kHz #Res BW 1.0 M	ИНz		#Video BW 3.0	MHz	Stop 3.000 GH: #Sweep ~20.0 s (2000 pts	X Axis Scale Log Lin	
1 5		? May 17, 2020 7:57:33 AM				Signal Track (Span Zoom)	









Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2			Frequency	- ※
KEYSIGHT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω #Atten: 16 d Corrections: Off Preamp: Off Freq Ref: Int (S) NFE: Adaptive	B PNO: Fast #/ Gate: Off Ti IF Gain: Low Sig Track: Off	Avg Type: Power (RMS 1 2 3 4 5 6 rig: Free Run A WWWW A N N N N N	Center Frequency 6.000000000 GHz	Settings
1 Spectrum 🔻	Ref Lvi Offse	t 40.97 dB	Mkr1 7.436 GHz	6.00000000 GHz	
Scale/Div 10 dB	Ref Level 28.	97 dBm	-36.948 dBm	Swept Span Zero Span	
19.0				Full Span	
8.97				Start Freq 3.00000000 GHz	
-1.03				Stop Freq	
-21.0			DL1 -19.02 dBm		
-31.0			1	CF Step	
-41.0	monorman		Ann Ann	600.000000 MHz	
-51.0				Man Free Offeet	
-61.0				0 Hz	
Start 3.000 GHz #Res BW 1.0 MHz	#Video BW	3.0 MHz	Stop 9.000 GHz #Sweep ~20.1 s (2000 pts)	X Axis Scale Log Lin	
1 1 1	May 17, 2020 💬 🛆			Signal Track (Span Zoom)	

Port A, Channel Position M 10.0 MHz









Port A, Channel Position T 10.0 MHz

Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	+				Frequency	
KEYSIGHT Coupling: D Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 24 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (R Trig: Free Run	MS <mark>123456</mark> A WWWWW A N N N N N	Center Frequency 1.500001500 GHz	Settings
1 Spectrum v Scale/Div 10 dB	R	ef Lvi Offset 40. ef Level 48.60 di	60 dB Bm	Mkr1 1 -3	.781 4 GHz 6.880 dBm	2.99999700 GHz	
38.6						Full Span	
28.6						Start Freq 3.000 kHz	
8.60						3.00000000 GHz	
-11.4					DL1 -19.02 dBm	CF Step 299.999700 MHz	
-21.4			1			Auto Man	
-41.4		and a fear of the second s	nen som ander som	in a sea ann an thair ann an thair an t	1.15414/445000496-634449	0 Hz X Axis Scale	
Start 3 kHz #Res BW 1.0 MHz	May 17, 2020	#Video BW 3.0 P	MHz	#Sweep ~2	Stop 3.000 GHz 0.0 s (2000 pts)		
	8:07:21 AM					(Span Zoom)	





