

TEST REPORT

Channel Position T

Spectrum A Channel Po	nalyzer 1 wer	Spectrum / Swept SA	Analyzer 2	Spectrur Swept S	m Analyzer 3 A	Spectrum Ana Swept SA	alyzer 4	+	\$	Frequency	- * 宗
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: Correcti Freq Re NFE: Ac	ons: Off f: Int (S)	#Atten: 20 dB Preamp: Off μW Path: Stand	PNO: Best Wid Gate: LO ard IF Gain: Low Sig Track: Off	le Avg Type: P Trig: Extern	'ower (RMS) al 1	123456 WWWWWW ANNNNN	Center Fred 1.9950000 Span		Settings
1 Spectrum Scale/Div 10 d Log	B			ef LvI Offset 43 ef Level 40.00		Mkr		000 GHz 6.83 dBm	2.0000000 Swept Zero S	Span	
30.0									Full S	Span	
20.0									Start Freq 1.9940000	00 GHz	
0.00			\rightarrow						Stop Freq 1.9960000	00 GHz	
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-30.0				Mar Maria and	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-that de mar an		ป _{ี่ส} ะแจะสุดในกันรุกกระ	CF Step 200.000 kł Auto	lz	
-40.0									Man Freq Offset		
-50.0									0 Hz X Axis Scal	e	
Center 1.9950 #Res BW 300		Eeb 07	# 7, 2023 🧹	#Video BW 910			weep 1.00	an 2.000 MHz s (1001 pts)	Log Lin		
			24 PM		cterize Noise Floo	or required			Signal Trac (Span Zoom)		

Total Quality. Assured. TEST REPORT

- -

6 Conducted Unwanted Emission

Test result: Pass

6.1 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 $43 + 10\log(P) dB$.

6.2 Measurement Procedure

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 9kHz to 20GHz. The resolution bandwidth of 1MHz was employed for frequency band 9kHz to 20GHz. The spectrum analyzer detector was set to RMS.

For MIMO mode configurations, the limit was adjusted with a correction of -3.01dB [10Log(1/2)] 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 adjusted to - 16.01dBm.



TEST REPORT

6.3 Measurement result

NR-1C

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
А	В	QPSK	25	1000	-16.01
Α	М	QPSK	25	1000	-16.01
Α	Т	QPSK	25	1000	-16.01

Align: Auto Align: Auto NFE: Adaptive WW Path: Standard IF Gain: Low Sig Track: Off A N N N N N 1 Spectrum Ref Lvl Offset 43.23 dB Mkr1 1.929 0 GHz 10 dB	
Coupling DC Align: Auto Corrections: Off Freq Ref. Int (S) NFE: Adaptive Preamp: Off W Path: Standard IF Gain: Low Sig Track: Off Ing: External 1 WWWWWW A NN NN 20.00 dBm Spectrum Ref LvI Offset 43.23 dB Ref Level 20.00 dBm Mkr1 1.929 0 GHz -3.27 dBm Scale/Div 10 dB Scale/Div 10 dB 000 Image: External 1 WWWWWW Preamp: Off Mkr1 1.929 0 GHz -3.27 dBm Scale/Div 10 dB 000 Image: External 1 WWWWW Preamp: Off Mkr1 1.929 0 GHz -3.27 dBm Image: External 1 000 Image: External 1 WKr1 1.929 0 GHz -3.27 dBm Image: External 1 Image: External 1 000 Image: External 1 Image: External 1 Mkr1 1.929 0 GHz -3.27 dBm Image: External 1 000 Image: External 1 Image: External 1 Image: External 1 Image: External 1 000 Image: External 1 Image: External 1 Image: External 1 Image: External 1 000 Image: External 1 Image: External 1 Image: External 1 Image: External 1 000 Image: External 1 Image: External 1 Image: External 1 Image: External 1 000 Image: External 1 Image: External 1 Image: External 1 Image: External 1 000 Image: External 1 Image: External 1 Image: External 1 <t< th=""><th></th></t<>	
Spectrum Ref Lvl Offset 43.23 dB Mkr1 1.929 0 GHz Scale/Div Cale/Div 10 dB Ref Level 20.00 dBm -3.27 dBm 00 -3.27 dBm -3.27 dBm 10 dB -3.27 dBm -3.27 dBm	/ Scale
Log Lin YAxis Unit dBm YAxis Unit dBm YAxis Unit dBm Ref Level Offset 43.23 dB On Off Off Number of Divisions 10 With analytic language data and da	Attenuatio
000 0	
0.0 43.23 dB 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 0.0 0.0 0.0 0.0 0.0 0.0	
0.0 Image: Constraint of the second of the	
tart 9 kHz #Video BW 3.0 MHz* Stop 1.9290 GHz	
Res BW 1.0 MHz #Sweep ~4.01 s (4001 pts) Image: Constraint of the state	

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KEY	SIGHT .≁	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	Atten: 20 dB Preamp: Off µW Path: Sta #PNO: Fast	Gate: I		Center Fred Avg Hold: 4 Radio Std:) GHz	Center Fre	<u> </u>	Settings
1 Grap Scale	oh / Div 10.0	v dB		Ref Lvl Offset Ref Value 20.0						Span _2.0000 M	Hz	
-30.0	*\	ระกับ เกมีย์ (1913) (1915) (1915) (1915) (1915) (1915) (1915) (1915) (1915) (1915) (1915) (1915) (1915) (1915) (1915)	en falen etter geregtegine	rd y Jon Matter Ashry A	apto.,Net anjerigor		ngahan na Uhindu.		uherangu filorana ka	CF Step 200.000 H Auto Man Freq Offse 0 Hz		
#Res 2 Metr Tot	al Chann	00 kHz T	-27.59 dBm / 1.0		.000 kHz*		#	Sweep 1.00 s	Span 2 MHz s (1001 pts)			
			Feb 07, 2023 4:37:32 PM		racterize Noi	se Floor rec	juired					

	ectrum Ai vept SA	nalyzer 1	Spectrum Swept SA	Analyzer 2	Spect Swep	rum Analyze t SA		pectrum Anal wept SA			+)	*	Marker	 ▼ [*]
KEY	SIGHT .≁	Input: RF Coupling: DC Align: Auto		ions: Off ef: Int (S)	#Atten: 10 dE Preamp: Off μW Path: Sta	Gate: I Indard IF Gai	LO	Avg Type: Po Trig: Externa	ower (F Il 1	₩₩	3456 ₩₩₩₩ NNNN	Select Mar Marker 1		,
1 Spe				R	ef Lvi Offset	45.98 dB		M	kr1	1.996		Marker Fre 1.996000		Settings
Scale Log	e/Div 10 d	8		R	ef Level 40.0	00 dBm				-30.47	7 dBm	Peak	Search	Peak Search
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	5			7, 2023 06 PM	··· 🚹 Cha	racterize Noi	ise Floor rec	quired						

Spectrum A Swept SA	nalyzer 1	Spectrum Analyz Swept SA	er 2 Spect Swept	um Analyzer 3 SA	Spectrum An Swept SA		+ >	Marke	r v 兴
KEYSIGHT ↔↔	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Of Freq Ref: Int (S NFE: Adaptive		PNO: Fast Gate: LO Indard IF Gain: Low Sig Track: O	Irig: Exterr	Power (RMS) nal 1	123456 WWWWWW ANNNNN	Select Marker Marker 1	
1 Spectrum	•	NI E. Adaptivo	Ref LvI Offset	12.08 dB			89 0 GHz	Marker Frequency 6.289000000 GHz	Settings
Scale/Div 10 d			Ref Level 10.0	0 dBm		o-	6.66 dBm	Peak Search	Peak Search
0.00								Next Peak	Pk Search Config
-10.0								Next Pk Right	Properties
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-40.0								Minimum Peak	Marker→
-50.0								Pk-Pk Search	Counter
-60.0								Marker Delta	
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-80.0								Mkr→Ref Lvl	
Start 6.000 GH #Res BW 1.0 M		? Feb 08, 2023 12:11:41 PM		.0 MHz* acterize Noise Flo			p 13.000 GHz s (14001 pts)	Continuous Peak Search On Off	



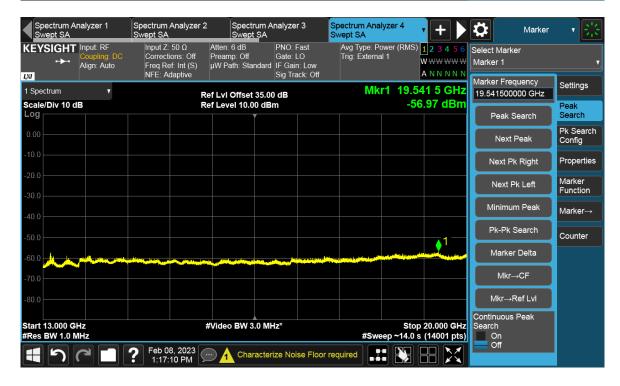
TEST REPORT

Channel Position M

Spectrum Al Swept SA		Spectrum Analyzer Swept SA	2 Spectrum / Swept SA	Analyzer 3	Spectrum Anal Swept SA		+	Marker	- * 影
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 10 dB Preamp: Off µW Path: Standard	PNO: Fast Gate: LO I IF Gain: Low Sig Track: Off	Avg Type: Po Trig: Externa	w	23456 WWWWW NNNNN	Select Marker Marker 1	
1 Spectrum	T		Ref LvI Offset 43.2	3 dB	M	kr1 1.92	9 0 GHz	Marker Frequency 1.929000000 GHz	Settings
Scale/Div 10 d	B		Ref Level 20.00 dE	Bm		-32.	29 dBm	Peak Search	Peak Search
10.0								Next Peak	Pk Search Config
0.00								Next Pk Right	Properties
-10.0								Next Pk Left	Marker Function
-30.0							1	Minimum Peak	Marker→
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-60.0	ling and a second s		inden i se de la della					Mkr→CF	
-70.0								Mkr→Ref Lvl	
Start 9 kHz #Res BW 1.0 M		? Feb 07, 2023 4:13:26 PM	#Video BW 3.0 M	Hz*		veep ~4.01 s	.9290 GHz (4001 pts)	Continuous Peak Search On Off	



Spectrum A Swept SA	nalyzer 1	Spectrum Analy Swept SA		ectrum Analyzo ept SA		Spectrum Anal Swept SA	·	+	\$	Marker	▼ %
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: C Freq Ref: Int (NFE: Adaptive	S) µW Path:	Off Gate: Standard IF Ga	LO	Avg Type: Po Trig: Externa	ower (RMS il 1	6) 1 2 3 4 5 6 WWWWWW A N N N N N	Select Marke Marker 1	er	
1 Spectrum	•		Ref LvI Off	set 12.08 dB		M		017 0 GHz	Marker Fred 6.01700000		Settings
Scale/Div 10 d	B		Ref Level 1	0.00 dBm			-(65.50 dBm	Peak S	Search	Peak Search
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-50.0									Pk-Pk S	Search	Counter
-60.0									Marker	Delta	
-70.0	ر. مەللىر «مىرەلل	\sim	Autor,	A CHILDRE		Automation of the			Mkr-	→CF	
-80.0									Mkr→F Continuous		
Start 6.000 GH #Res BW 1.0 M		5 500 00-000		V 3.0 MHz*			ep ~14.0	op 13.000 GHz s (14001 pts)			
		Peb 08, 202 12:16:13 P		haracterize No	oise Floor n	equired					



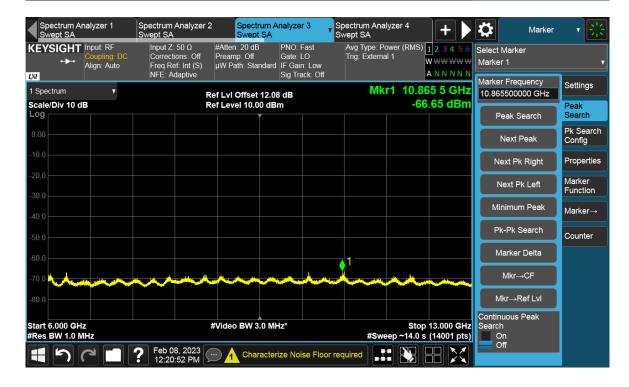
TEST REPORT

Channel Position T

Spectrum Al Swept SA	nalyzer 1	Spectrum Analyzer 2 Swept SA	Spectrum A Swept SA	nalyzer 3	Spectrum Ana Swept SA		+ >	Marker	- * 景
KEYSIGHT ↔	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 10 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: LO IF Gain: Low Sig Track: Off	Avg Type: P Trig: Externa	al 1	1 2 3 4 5 6 WWWWWW A N N N N N	Select Marker Marker 1	
1 Spectrum	7	R	ef LvI Offset 43.2	3 dB	M	kr1 1.92	29 0 GHz .21 dBm	Marker Frequency 1.929000000 GHz	Settings
Scale/Div 10 d	8	R	ef Level 20.00 dB	m		-34	.21 0611	Peak Search	Peak Search
10.0								Next Peak	Pk Search Config
0.00								Next Pk Right	Properties
-10.0								Next Pk Left	Marker Function
-30.0							1	Minimum Peak	Marker→
-40.0							<u> </u>	Pk-Pk Search	Counter
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-70.0								Mkr→Ref Lvl	
Start 9 kHz #Res BW 1.0 M		Eeb 07 2023	#Video BW 3.0 MI	Hz*		weep ~4.01	1.9290 GHz s (4001 pts)		



Spectrum Analyzer 4 Swept SA	Spectrum Analyzer 5 Swept SA	Spectrum Analyzer 6 Channel Power	Spectrum Analyzer 7	Frequency v
KEYSIGHT Input: RF Coupling: DC Align: Auto	Corrections: Off Pre Freq Ref: Int (S) µW	en: 20 dB Trig: External 1 eamp: Off Gate: LO / Path: Standard #IF Gain: Low NO: Fast	Center Freq: 1.996500000 GHz Avg Hold: 3/10 Radio Std: None	Center Frequency 1.996500000 GHz
1 Graph v Scale/Div 10.0 dB		vl Offset 45.98 dB /alue 10.00 dBm		Span 2.0000 MHz
_og 0.00 10.0				CF Step 200.000 kHz Auto Man
20.0 30.0 40.0 10 ⁴ 10 ⁴ 10 ⁴ 1	¹ ยก _ั ญห์เรื่องการ่ะวัญ11การสารประกาศไทร่ง-ดูภ	1998 Alfred Agentication and Alfred Agentications	ปาราวินารทำงานหมายใจสู่สาวประเทศ	Freq Offset 0 Hz
50.0 50.0 70.0				
80.0 senter 1.996500 GHz Res BW 10.000 kHz	#Vide	eo BW 30.000 kHz*	Span 2 Mi #Sweep 1.00 s (1001 pi	
P Metrics	-25.37 dBm / 1.00 MH	z		
Total Power Spectral Dens	ity -85.37 dBm/H	z		
4 7 C 🗆	? Feb 08, 2023 8:45:35 AM	Characterize Noise Floor	required 📰 💽 🗛 🔀	



TEST REPORT

Spectrum Ar Swept SA	nalyzer 1	Spectrum Swept SA		Spectr Swept	um Analyzer SA		Spectrum Anal Swept SA		++	\	Marker	- * 崇
KEYSIGHT ↔	Input: RF Coupling: DC Align: Auto	Input Z: Correcti Freq Re NFE: Ad	ons: Off ef: Int (S)	Atten: 6 dB Preamp: Off µW Path: Star	PNO: F Gate: L ndard IF Gain Sig Tra	O : Low	Avg Type: Po Trig: Externa	11	123456 WWWWWW ANNNN	Select Marker Marker 1		
1 Spectrum	•	11 2.7	Re	ef Lvi Offset	35.00 dB		Mk	r1 19.5)8 5 GHz	Marker Frequ 19.50850000	· · ·	Settings
Scale/Div 10 d	B		Re	ef Level 10.0	0 dBm			-57	.23 dBm	Peak Se	arch	Peak Search
0.00										Next Pe	eak	Pk Search Config
-10.0										Next Pk F	Right	Properties
-20.0										Next Pk	Left	Marker Function
-40.0										Minimum	Peak	Marker→
-50.0										Pk-Pk Se	arch	Counter
-60.0	مەلەر مەلىيەلىم	and the second second				i en general di Anna ^b ella		مر المراجع ا	and the second	Marker D	Delta	
-70.0										Mkr→C	CF	
-80.0										Mkr→Re	f Lvl	
Start 13.000 GI #Res BW 1.0 M				Video BW 3				ep ~14.0 s	20.000 GHz (14001 pts)		eak	
			8, 2023 20 PM		acterize Nois	se Floor re	equired					

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
А	В	QPSK	30	1000	-16.01
А	М	QPSK	30	1000	-16.01
A	Т	QPSK	30	1000	-16.01

	Spectrum A Swept SA	nalyzer 1	Spectrum Swept SA	·	Swept		s	pectrum Ana wept SA		+		Marker	· 米
KE Da	YSIGHT .≁·	Input: RF Coupling: DC Align: Auto		ons: Off ef: Int (S)	#Atten: 10 dB Preamp: Off µW Path: Stan		LO	Avg Type: P Trig: Externa	al 1	123456 WWWWWW ANNNNN	Select Mar Marker 1	'ker	
1 S	pectrum	T IB		Re	ef LvI Offset 4 ef Level 20.00	I3.23 dB		M	kr1 1.9	29 0 GHz .29 dBm	Marker Fr 1.996000		Settings Peak
Lo						- uBill			· · · · ·	.20 abiii	Peak	Search	Search
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0.0										1	Next	Pk Right	Properties
-10 -20											Next	Pk Left	Marker Function
-30											Minim	um Peak	Marker→
-40	0										Pk-Pi	Search	Counter
-50		N 1 1		u dan ka ang sang kalender	ويعتبه والمحتجز والمراسع والمقا	i di Jacobia salisi a	. Alexandrich alexander all d		a a la cale de la cale	ant by the state	Mark	er Delta	
-60	0	Miteria, Miteria, and gi	n in the second			in the set the set of the set	an and the production for the second seco				Mk	r→CF	
-70												→Ref Lvl	
	t 9 kHz s BW 1.0 N	ЛНz		#	Video BW 3.	0 MHz*		#Sv		1.9290 GHz s (4001 pts)	On	is Peak	
E	5			7, 2023 39 PM		icterize No	oise Floor re	quired			Off		

Channel Position B

Spectrum A Swept SA		Spectrum Analyzer 5 Swept SA	Spectrum An Channel Pov		Spectrum Analyzei Channel Power	r7 🕂 🕨	Frequenc	y - 张
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Corrections: Off Freq Ref: Int (S)		Trig: External 1 Gate: LO #IF Gain: Low	Center Freq: 1.92 Avg Hold: 7/10 Radio Std: None	8500000 GHz	Center Frequency 1.928500000 GHz	Settings
1 Graph Scale/Div 10.0	v dB		ef LvI Offset 43.23 ef Value 20.00 dBm				Span 2.0000 MHz	J
Log 10.0							CF Step 200.000 kHz	L
-10.0							Man Freq Offset 0 Hz	
-30.0 -40.0 -50.0	an 12 ตรีเป็นได้ per เป็นการการเป็น	(futigets) (tradigets) a Literation and a second second		all the second	hay whether the second second second	anna an		
-60.0								
Center 1.9285 #Res BW 10.0		#V	/ideo BW 30.000 kl	Hz*	#Swee	Span 2 MHz p 1.00 s (1001 pts)		
2 Metrics Total Chann Total Power	▼ el Power Spectral Densi	-27.46 dBm / 1.00 M ty -87.46 dBm						
15		Peb 08, 2023 8:48:50 AM		e Noise Floor re	quired			

S	oectrum Ai wept SA		Spectrum Swept SA	Analyzer 2	Spec Swep	trum Analyze ot SA		Spectrum Ana Swept SA		+		Marker	· · 迷
KEY	′SIGHT ·≁·	Input: RF Coupling: DC Align: Auto		ions: Off ef: Int (S)	#Atten: 10 d Preamp: Off µW Path: St	Gate: andard IF Gai	LO	Avg Type: P Trig: Externa	ower (RMS al 1	6) 1 2 3 4 5 6 WWWWWW A N N N N N	Select M Marker		
1 Spe	ctrum ctrum	T		R	ef Lvi Offse ef Level 40.	t 45.98 dB		M		996 0 GHz 28.86 dBm		Frequency 00000 GHz	Settings
Log	/DIV 10 a	в		R	et Level 40.	UU aBM			-4	20.00 UBIII	Pe	ak Search	Peak Search
30.0											N	ext Peak	Pk Search Config
20.0											Ne	kt Pk Right	Properties
10.0 0.00											Ne	ext Pk Left	Marker Function
-10.0											Min	imum Peak	Marker→
-20.0	-										Pk-	Pk Search	Counter
-30.0	<u> </u>				Δ						Ma	irker Delta	
-40.0												∕lkr→CF	
-50.0	the dissipat	ett die seine bedeute	ang hite sy anishing	anta <mark>n pining pan</mark> a	and the second la			ine and a fight increasing the		~~~~~	Mk	r→Ref Lvl	
	1.996 GH BW 1.0 N			7 2022	∜Video BW	3.0 MHz* aracterize No	ise Floo <u>r r</u> e		veep ~8.2	top 6.000 GHz 21 s (8201 pts)	Continu Search On Off		

Spectrum Al Swept SA	nalyzer 1	Spectrum Analyze Swept SA	r 2 Spectrum Swept SA	Analyzer 3	Spectrum Anal Swept SA		+ >	Mark	ier 🔹 👯
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 20 dB Preamp: Off µW Path: Standar	PNO: Fast Gate: LO d IF Gain: Low Sig Track: Off	Trig: Externa	11	123456 WWWWWW ANNNN	Select Marker Marker 1	
1 Spectrum	•	HIL. Adaptive	Ref LvI Offset 12.0	08 dB		kr1 8.00	06 5 GHz	Marker Frequency 8.006500000 GHz	
Scale/Div 10 d			Ref Level 10.00 dl	3m		10-	′.54 dBm	Peak Search	Peak Search
0.00								Next Peak	Pk Search Config
-10.0								Next Pk Right	Properties
-20.0								Next Pk Left	Marker Function
-30.0								Minimum Peak	Marker→
-50.0								Pk-Pk Search	Counter
-60.0		1						Marker Delta	
-70.0						مربه المالور المرد		Mkr→CF	
-80.0								Mkr→Ref Lvl	
Start 6.000 GH #Res BW 1.0 M		? Feb 08, 2023 12:24:53 PM	#Video BW 3.0 M	IHz*		ep ~14.0 s	13.000 GHz (14001 pts)	Continuous Peak Search On Off	



TEST REPORT

Channel Position M

Spectrum A Swept SA		Spectrum Analyzer 2 Swept SA	Spectrum A Swept SA	nalyzer 3	Spectrum Ana Swept SA		+)	Marker	- * 器
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 10 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: LO IF Gain: Low Sig Track: Off	Avg Type: Pe Trig: Externa	ľ	1 2 3 4 5 6 V W W W W A N N N N N	Select Marker Marker 1	
1 Spectrum	•	R	ef LvI Offset 43.23	dB	M	kr1 1.92	9 0 GHz	1.525000000 0112	Settings
Scale/Div 10 d	B	R	ef Level 20.00 dBi	m		-29	.86 dBm	Peak Search	Peak Search
10.0								Next Peak	Pk Search Config
0.00								Next Pk Right	Properties
-10.0								Next Pk Left	Marker Function
-30.0							1	Minimum Peak	Marker→
-40.0								Pk-Pk Search	Counter
-50.0	يرور بام الدار بالرابيان			san lansa akamatah			No. 194	Marker Delta	
-60.0	dalahada aka ku							Mkr→CF	
-70.0								Mkr→Ref Lvl	
Start 9 kHz #Res BW 1.0 M		Ech 08, 2022	Wideo BW 3.0 MH	ize Noise Floor		veep ~4.01 s	1.9290 GHz s (4001 pts)		



Spectrum Al Swept SA	nalyzer 1	Spectrum Anal Swept SA		ctrum Analyzer 3 pt SA	Św	ectrum Analyz ⁄ept SA		+ >	₽	Marker	- * 影
KEYSIGHT ↔	Input: RF Coupling: DC Align: Auto	Input Z: 50 C Corrections: Freq Ref: Inf NFE: Adapti	Off Preamp: Of (S) µW Path: S		_ow	Avg Type: Pow Trig: External 1		1 2 3 4 5 6 WWWWWW A N N N N N	Select Mar Marker 1	ker	•
LXI 1 Spectrum			Ref LvI Offs	et 12.08 dB		Mkr	r1 8.00	6 5 GHz	Marker Fre 8.0065000		Settings
Scale/Div 10 d			Ref Level 10	.00 dBm			-67	.54 dBm	Peak	Search	Peak Search
0.00									Next	Peak	Pk Search Config
-10.0									Next F	Pk Right	Properties
-20.0									Next	Pk Left	Marker Function
-40.0									Minim	um Peak	Marker→
-50.0									Pk-Pk	Search	Counter
-60.0		1							Marke	er Delta	
-70.0	a share		-			لمسمي	New York		Mkr	⊸CF	
-80.0										Ref Lvl	
Start 6.000 GH #Res BW 1.0 M		? Feb 08, 20 12:30:57 F		3.0 MHz*	Floor req			13.000 GHz (14001 pts)	Continuou Search On Off	s Peak	

	ectrum Ar /ept SA	nalyzer 1	Spectrum Swept SA	Analyzer 2	Spec Swep	trum Analyze ot SA		oectrum Ana wept SA	·	• +)	‡	Marker	- *
KEY	SIGHT +→-	Input: RF Coupling: DC Align: Auto		ions: Off ef: Int (S)	Atten: 6 dB Preamp: Off µW Path: St	andard IF Gai	LO	Avg Type: P Trig: Externa	ower (RMS) al 1	123456 WWWWWW ANNNN	Select Marke Marker 1		
1 Spe		•			f Lvi Offse			Mk		07 5 GHz	Marker Fred 19.5075000		Settings
Scale Log	/Div 10 d	B		Re	f Level 10.	00 dBm			-5	6.96 dBm	Peak S	earch	Peak Search
0.00											Next	Peak	Pk Search Config
-10.0											Next Pl	Right	Properties
-20.0 -30.0											Next P	'k Left	Marker Function
-30.0											Minimur	m Peak	Marker→
-50.0										<u>1</u>	Pk-Pk S	Search	Counter
-60.0	the second	مەسى يەمىيەللىك	Jeffin men dikati			in Anthenne Anthenne Anthe			as Si, dilitiying pitis		Marker	Delta	
-70.0											Mkr-	→CF	
-80.0											Mkr→F	Ref Lvl	
	13.000 GH BW 1.0 M			# 8, 2023 12 PM	Video BW	3.0 MHz* aracterize No	ise Floor rec		eep ~14.0	p 20.000 GHz s (14001 pts)	Continuous Search On Off	Peak	

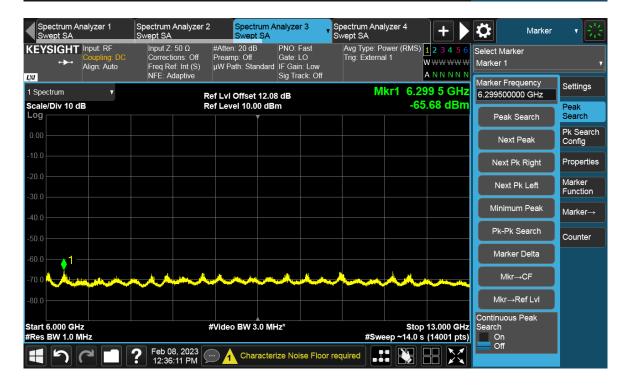
TEST REPORT

Channel Position T

Spectrum Al Swept SA	EYSIGHT Input: RF		2 Spectrum Swept SA	Analyzer 3	Spectrum Ana Swept SA		+ >	Marker	- ※
KEYSIGHT ↔	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 10 dB Preamp: Off µW Path: Standar	PNO: Fast Gate: LO d IF Gain: Low Sig Track: Off	Avg Type: P Trig: Externa	al 1	1 2 3 4 5 6 N WWWWW A N N N N N	Select Marker Marker 1	•
1 Spectrum	•		Ref LvI Offset 43.	23 dB	M	kr1 1.92	29 0 GHz .55 dBm	Marker Frequency 1.996000000 GHz	Settings
Scale/Div 10 d	8		Ref Level 20.00 dl	Bm		-32	.55 aBM	Peak Search	Peak Search
10.0								Next Peak	Pk Search Config
0.00								Next Pk Right	Properties
-10.0								Next Pk Left	Marker Function
-30.0							1	Minimum Peak	Marker→
-40.0								Pk-Pk Search	Counter
-50.0			مى المالية والمالية الم	المحديدة فالمحديد الم	u de la companya de l		alu u u	Marker Delta	
-60.0	esti ante poli de ils	lle er de lander i en la stalle ble de del geder i parter						Mkr→CF	
-70.0								Mkr→Ref Lvl	
Start 9 kHz #Res BW 1.0 M		? Feb 08, 2023 8:58:37 AM	#Video BW 3.0 N	1Hz* erize Noise Floor		weep ~4.01	1.9290 GHz s (4001 pts)		



Spectrum A Swept SA	nalyzer 4	Spectrum Analyzer 5 Swept SA	Spectrum Analyze Channel Power	r 6 Spectrum A Channel P		Frequent	¤y v ∺
KEYSIGHT ↔→	Input: RF Coupling: DC Align: Auto	Corrections: Off F Freq Ref: Int (S) µ	Atten: 20 dB Trig: E Preamp: Off Gate: I μW Path: Standard #IF Ga #PNO: Fast	LO Avg Hold		Center Frequency 1.996500000 GHz Span	Settings
1 Graph Scale/Div 10.0	۲		f Lvi Offset 45.98 dB f Value 10.00 dBm			2.0000 MHz	
Log 0.00 -10.0 -20.0 -30.0 -40.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			ารีนรู้เหตุในหตุโดฟิกไฟร์เลตร์ไก	llene-sharthillenethilsenethilde	CF Step 200.000 kHz Auto Man Freq Offset 0 Hz	
Center 1.99650 #Res BW 10.00		#Vio	ideo BW 30.000 kHz*		Span 2 #Sweep 1.00 s (1001		
2 Metrics Total Chann	• el Power	-31.09 dBm / 1.00 M	ИНz				
Total Power	Spectral Densi	ty -91.09 dBm/	ı/Hz				
15		Peb 08, 2023 3:26:43 PM	Characterize Noi	ise Floor required			



TEST REPORT

Spectrum Ar Swept SA	nalyzer 1	Spectrum Analyzer 2 Swept SA	2 Spectrum Swept SA	Analyzer 3	Spectrum Ana Swept SA		Marker	- * 影
KEYSIGHT ↔→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	Atten: 6 dB Preamp: Off µW Path: Standar	PNO: Fast Gate: LO d IF Gain: Low Sig Track: Off	Avg Type: Po Trig: Externa	bwer (RMS) 12 3 4 5 6 al 1 WWWWWW A N N N N N	Select Marker Marker 1	
I Spectrum	T		Ref LvI Offset 35.	, U	Mk	r1 18.829 5 GHz		Settings
Scale/Div 10 dl	B	F	Ref Level 10.00 di	3m		-56.98 dBm	Peak Search	Peak Search
0.00							Next Peak	Pk Search Config
10.0							Next Pk Right	Properties
20.0							Next Pk Left	Marker Function
40.0							Minimum Peak	Marker→
50.0							Pk-Pk Search	Counter
60.0 - 1	والمعرفي فالمسلم			. Marine and the second	ilen ander som en state ander som en state		Marker Delta	
70.0							Mkr→CF	
30.0							Mkr→Ref Lvl	
tart 13.000 GH Res BW 1.0 M			#Video BW 3.0 N	IHz*	#Swe	Stop 20.000 GHz eep ~14.0 s (14001 pts)		
		? Feb 08, 2023		erize Noise Floor			Off	

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
А	В	QPSK	40	1000	-16.01
А	М	QPSK	40	1000	-16.01
А	Т	QPSK	40	1000	-16.01

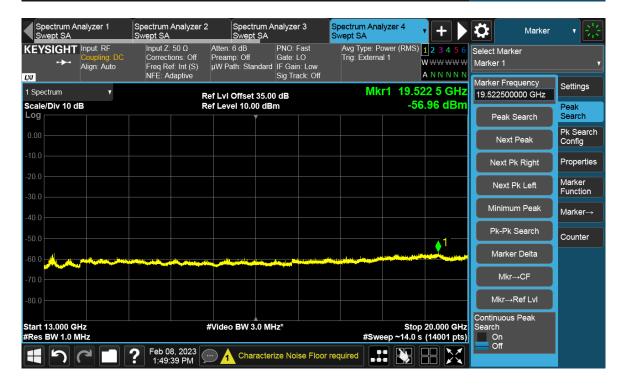
Channel Position B

	ectrum Aı ⁄ept SA	nalyzer 1	Spectrum Swept SA	Analyzer 2	Spect Swep	rum Analyze : SA		Spectrum Ana Swept SA		+		Frequency	· · · 法
KEY M	SIGHT ·≁·	Input: RF Coupling: DC Align: Auto		ions: Off ef: Int (S)	#Atten: 20 dE Preamp: Off μW Path: Sta	Gate: ndard IF Gai	LO	Avg Type: P Trig: Externa		123456 WWWWWW ANNNNN	Center Fi 3.99800 Span	requency 0000 GHz	Settings
	ctrum /Div 10 d	₹ B			ef Lvi Offset ef Level 20.0			М		29 0 GHz 6.37 dBm	4.00400	000 GHz pt Span	
Log 10.0												o Span III Span	
0.00										1 ∕	Start Fre 1.99600	9 0000 GHz	
-20.0											Stop Free 6.00000	9 0000 GHz	
-30.0 -40.0											AUT CF Step	O TUNE	
-50.0) In data	lana lan jarapatan kuta jara	te de filleder oan fisionie	in in the second second	atuphaalatlata,	. Later - refer state the	a da sera da s		and the board of the	HWALLAN MARK	400.400 Auto Man		
-60.0											Freq Offs 0 Hz	set	
Start #Res	9 kHz BW 1.0 N	IHz		#	#Video BW 3	.0 MHz*		#Sv		5 1.9290 GHz s (4001 pts)	X Axis So Log Lin	ale	
	5			8, 2023 37 AM	··· 1 Cha	racterize No	ise Floor re	equired			Signal Tr (Span Zoo	ack om)	

Spectrum Analyzer 4 Swept SA	Spectrum Analyzer 5 Swept SA	Spectrum Analyzer 6 Channel Power	Spectrum Analyzer 7	Frequency v
KEYSIGHT Coupling: DC Align: Auto	Corrections: Off P Freq Ref: Int (S) µ	tten: 20 dB Trig: External reamp: Off Gate: LO W Path: Standard #IF Gain: Low PNO: Fast	Avg Hold: 3/10	Center Frequency 1.928500000 GHz
1 Graph v Scale/Div 10.0 dB		Lvl Offset 43.23 dB Value 20.00 dBm		Span 2.0000 MHz
Log 10.0 0.00				CF Step 200.000 kHz Auto Man
-10.0 -20.0 -30.0 -40.0				Freq Offset 0 Hz
-40.0 -50.0 -60.0 -70.0	ŀŧ₽ĸſ₽₽Ť₽÷ţŧ₽ċſŋŗŗŗĸŶ≈ţŶŗ <mark>Ċ</mark> ₽ĸġħŀŶŗĸţ₿	vMuhamalapada ana ana ana ana ana ana ana ana ana	hall the entry of the strange of the second s	
Center 1.928500 GHz #Res BW 10.000 kHz	#Vic	ieo BW 30.000 kHz*	Span 2 M #Sweep 1.00 s (1001 p	
2 Metrics				
Total Channel Power Total Power Spectral Dens	-27.54 dBm / 1.00 Mi sity -87.54 dBm/l			
	? Feb 08, 2023 9:17:36 AM	Characterize Noise Flo	or required	

	ctrum Ar pt SA	nalyzer 1	Spectrum Swept SA	Analyzer 2	Spect Swep	rum Analyze t SA		pectrum Ana wept SA		+	*	Marker	· · 迷
KEYS	IGHT	Input: RF Coupling: DC Align: Auto		ions: Off ef: Int (S)	#Atten: 10 dE Preamp: Off µW Path: Sta	Gate: I andard IF Gai	LO	Avg Type: P Trig: Externa	ower (RM al 1	5) 1 23456 W WWWW A N N N N N	Select Ma Marker 1	nrker	
1 Spectr	rum Div 10 dl	v		Re	ef Lvi Offset ef Level 40.0	t 45.98 dB		M		996 0 GHz 25.23 dBm	Marker F 1.996000	requency 0000 GHz	Settings
Log	JIV 10 a	в		Re	et Level 40.0	JU aBm			- 	23.23 UBIII	Pea	k Search	Peak Search
30.0 —											Ne	xt Peak	Pk Search Config
20.0											Next	Pk Right	Properties
10.0											Nex	t Pk Left	Marker Function
-10.0											Minin	num Peak	Marker→
-20.0	1 ——										Pk-P	k Search	Counter
-30.0					Δ						Marl	ker Delta	
-40.0											М	⟨r→CF	
-50.0 -		n de antidat de antida a seconda a second	ahay dhaqadaha	a data da a da a da a da a da a da a da	and the second s	and the second	and the second second	a laster at the subject of the		~~~~	Mkr-	→Ref Lvl	
Start 1. #Res B	996 GH; W 1.0 M			#	Video BW 3	3.0 MHz*		#Sv		top 6.000 GHz 21 s (8201 pts)	On	us Peak	
	5			8, 2023 14 AM	Cha	racterize Noi	ise Floor re	quired			Off		

Spectrum A Swept SA	nalyzer 1	Spectrum / Swept SA	Analyzer 2	Spectr Swept	um Analyze SA		Spectrum Ana Swept SA		+	₽	Marker	· · 米
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: Correcti Freq Re NFE: Ac	ons: Off f: Int (S)	#Atten: 20 dB Preamp: Off µW Path: Sta	Gate: I ndard IF Gai	LO	Avg Type: F Trig: Extern	Power (RMS) aal 1	123456 WWWWWW ANNNN	Select Mar Marker 1	ker	
1 Spectrum	•		R	ef Lvi Offset	12.08 dB	ack. Off	M		03 5 GHz 4.03 dBm	Marker Fre 10.903500		Settings
Scale/Div 10 d			R	ef Level 10.0	0 dBm			-04	4.03 dBm	Peak	Search	Peak Search
0.00										Next	Peak	Pk Search Config
-10.0										Next F	Pk Right	Properties
-20.0										Next	Pk Left	Marker Function
-40.0										Minim	um Peak	Marker→
-50.0										Pk-Pk	Search	Counter
-60.0							1			Marke	er Delta	
-70.0	ر مەلىرىنىيە		بالرجير	A. Maria	وواللجوره الملحر		hand		and the second second	Mkr	⊖CF	
-80.0										Mkr→	Ref Lvl	
Start 6.000 GH #Res BW 1.0 M		Feb 08	#	≠Video BW 3				veep ~14.0 s	0 13.000 GHz 5 (14001 pts)	Continuou Search On Off	s Peak	
			35 PM		acterize Noi	ise Floor	required					



TEST REPORT

Channel Position M

Spectrum A Swept SA	nalyzer 1	Spectrum Analyzer 2 Swept SA	Spectrum Swept SA	Analyzer 3	Spectrum Ana Swept SA		+		Marker	- ※
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 10 dB Preamp: Off µW Path: Standar	PNO: Fast Gate: LO rd IF Gain: Low Sig Track: Off	Avg Type: P Trig: Externa	al 1	1 2 3 4 5 6 W W W W W A N N N N N	Select Marke Marker 1	ər	
1 Spectrum	•	R	ef Lvi Offset 43.	23 dB	M		29 0 GHz	Marker Fred 1.99600000		Settings
Scale/Div 10 d	B	R	ef Level 20.00 d	Bm		-28	.26 dBm	Peak S	earch	Peak Search
10.0								Next F	Peak	Pk Search Config
0.00								Next Pk	Right	Properties
-10.0								Next P	k Left	Marker Function
-30.0							1	Minimur	n Peak	Marker→
-40.0								Pk-Pk S	Search	Counter
-50.0		والمروقين والمحافظ والم	da ka a la tata ka mana a shekara a ka ka sa		والمتعادية والمتعالية والمتعادية			Marker	Delta	
-60.0	haliye di biya biya di sa sa s							Mkr–	→CF	
-70.0								Mkr→F		
Start 9 kHz #Res BW 1.0 N	1Hz		∜Video BW 3.0 M	/Hz*		weep ~4.01	1.9290 GHz s (4001 pts)	Continuous Search On Off	Peak	
1	C	Peb 08, 2023 9:22:55 AM		erize Noise Floo	r required					



Spectrum A Swept SA	nalyzer 1	Spectrum Swept SA		Spect Swept	um Analyz SA	er 3	Sw	ectrum Anal /ept SA		+	\$	Marker	- * 崇
KEYSIGHT ↔→	Input: RF Coupling: DC Align: Auto		ions: Off ef: Int (S)	#Atten: 20 dB Preamp: Off µW Path: Sta	Gate Indard IF Ga			Avg Type: Po Trig: Externa	ower (RN al 1	1S) <mark>1</mark> 2 3 4 5 6 W W W W W A N N N N N	Select Mar Marker 1	'ker	
1 Spectrum	•		R	ef Lvi Offset	12.08 dB	ruck. On		M		.601 0 GHz	Marker Fr 8.601000		Settings
Scale/Div 10 d	IB		R	ef Level 10.0	0 dBm					-65.38 dBm	Peak	Search	Peak Search
0.00											Nex	t Peak	Pk Search Config
-10.0											Next	Pk Right	Properties
-20.0											Next	Pk Left	Marker Function
-40.0											Minim	um Peak	Marker→
-50.0											Pk-Pł	Search	Counter
-60.0			• •	1							Mark	er Delta	
-70.0	an start and the second		and.	-	بالمساهي	and and		we with the	المر بالم			r→CF	
-80.0											Mkr– Continuou	→Ref Lvl is Peak	
Start 6.000 GH #Res BW 1.0 M				#Video BW 3	.0 MHz*			#Swe		top 13.000 GHz .0 s (14001 pts)	Search On		
	C		8, 2023 :49 PM		acterize N	oise Flo	or req	uired			Off		

Spectrum A Swept SA	nalyzer 1	Spectrum Swept SA	Analyzer 2	Spectr Swept	um Analyze SA		pectrum Anal wept SA		• + •	*	Marker	
KEYSIGHT ↔→	Input: RF Coupling: DC Align: Auto	Input Z: Correcti Freq Re NFE: A	ions: Off ef: Int (S)	Atten: 6 dB Preamp: Off μW Path: Sta		LO	Avg Type: Po Trig: Externa	ower (RMS) al 1	123456 WWWWWW ANNNNN	Select Mark Marker 1		
1 Spectrum Scale/Div 10 d	7		Re	f LvI Offset	35.00 dB		Mk		26 0 GHz 6.92 dBm	Marker Fre 19.526000		Settings
Log	лв 		Re	T Level 10.0	U dBm			-5	0.92 UDIII	Peak	Search	Peak Search
0.00										Next	Peak	Pk Search Config
-10.0										Next F	vk Right	Properties
-20.0										Next	Pk Left	Marker Function
-40.0										Minimu	ım Peak	Marker→
-50.0									1	Pk-Pk	Search	Counter
-60.0					ti dala antibilita antib	an a			and and a subserved of	Marke	er Delta	
-70.0										Mkr	→CF	
-80.0										Mkr→	Ref Lvi	
Start 13.000 G #Res BW 1.0 M			# 8, 2023 09 PM	Video BW 3	.0 MHz* acterize Noi	ise Floor red		ep ~14.0	p 20.000 GHz s (14001 pts)	Continuous Search On Off	s Peak	

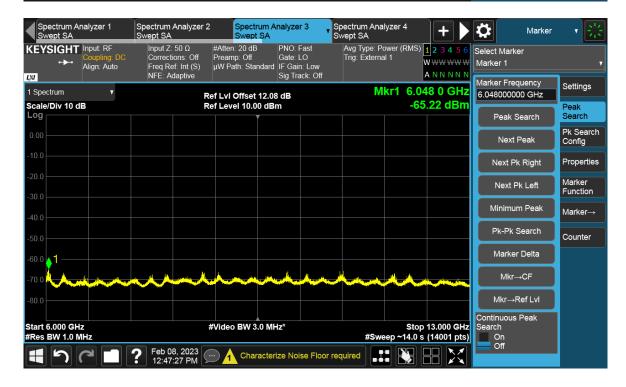
TEST REPORT

Channel Position T

Spectrum Al Swept SA	nalyzer 1	Spectrum Analyzer 2 Swept SA	Spectrum A Swept SA	Analyzer 3	Spectrum Ana Swept SA		+)	Marker	- ※
KEYSIGHT	Input: RF Coupling: DC Align: Auto		#Atten: 10 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: LO IF Gain: Low Sig Track: Off	Avg Type: P Trig: Externa	ľ	1 2 3 4 5 6 WWWWWW A N N N N N	Select Marker Marker 1	
1 Spectrum	•	Re	ef LvI Offset 43.2	3 dB	M	kr1 1.92	9 0 GHz	Marker Frequency 1.996000000 GHz	Settings
Scale/Div 10 d	B	Re	ef Level 20.00 dB	m		-28	.87 dBm	Peak Search	Peak Search
10.0								Next Peak	Pk Search Config
0.00								Next Pk Right	Properties
-10.0								Next Pk Left	Marker Function
-30.0							1	Minimum Peak	Marker→
-40.0								Pk-Pk Search	Counter
-50.0		فعاليتهم أرشدها فتقد فقال وترجيل ورفر		فالطيب أرجابهم	أنا أردادهم أساله مازير	andra kilo tale		Marker Delta	
-60.0	teldi dega de bili de te situle:		oline literat de la contribution de	an a				Mkr→CF	
-70.0								Mkr→Ref Lvl	
Start 9 kHz #Res BW 1.0 M	IHz	S Eab 08, 2022	tVideo BW 3.0 Mi			weep ~4.01 s	1.9290 GHz s (4001 pts)	Continuous Peak Search On Off	
		9:27:30 AM		rize Noise Floor	required				



Spectrum Analyzer 4 Swept SA	Spectrum Analyzer 5 Swept SA	Spectrum Analyzer 6 Channel Power	Spectrum Analyzer 7	Frequency 🔻 🗦
KEYSIGHT Coupling: DC Align: Auto	Corrections: Off Freq Ref: Int (S)	Atten: 20 dB Trig: External 1 Preamp: Off Gate: LO μW Path: Standard #IF Gain: Low #PNO: Fast	Center Freq: 1.996500000 GHz Avg Hold: 10/10 Radio Std: None	Center Frequency 1.996500000 GHz Span
1 Graph v Scale/Div 10.0 dB		f LvI Offset 45.98 dB		2.0000 MHz
0.00		of Value 10.00 dBm		CF Step 200.000 kHz Auto Man
20.0 30.0 40.0	afriantering and an an analysis for the state of the stat	Teltholy-way-warry-th-thight-same than garge-tan-spect	An arrange war and a start of a start ostart of a start	Freq Offset 0 Hz
60.0 70.0				
enter 1.996500 GHz	#V	ideo BW 30.000 kHz*	Span 2 Mi	12
Res BW 10.000 kHz Metrics			#Sweep 1.00 s (1001 pt	s)
Total Channel Power	-23.79 dBm / 1.00 t	MHz		
Total Power Spectral Dens	sity -83.79 dBn	n/Hz		
4 7 C 1	? Feb 08, 2023 9:33:39 AM	Characterize Noise Floor	required	



TEST REPORT

Spectrum A Swept SA	nalyzer 1	Spectrum A Swept SA	nalyzer 2	Spectr Swept	um Analyzei SA		Spectrum Anal Swept SA	·	• + •	₽	Marker	▼ #
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 5 Correctio Freq Ref NFE: Ada	ns:Off F :Int(S) p	Atten: 6 dB Preamp: Off IW Path: Star	PNO: F Gate: L Idard IF Gair Sig Tra	LO 1: Low	Avg Type: Po Trig: Externa	ower (RMS) Il 1	123456 WWWWWW ANNNN	Select Marke Marker 1	ər	
LNI 1 Spectrum	•		Ref	Lvi Offset	35.00 dB		Mk		21 5 GHz	Marker Freq 19.2215000		Settings
Scale/Div 10 c	iB		Ref	Level 10.00) dBm			-ə,	7.30 dBm	Peak S	earch	Peak Search
0.00										Next F	Peak	Pk Search Config
-10.0										Next Pk	Right	Properties
-20.0										Next Pl	k Left	Marker Function
-40.0										Minimun	n Peak	Marker→
-50.0									1	Pk-Pk S	Search	Counter
-60.0				ومعاداتهم والعلمي	Mining Manager				the second	Marker	Delta	
-70.0										Mkr–	→CF	
-80.0										Mkr→R		
Start 13.000 G #Res BW 1.0 M		? Feb 08 1:59:5	, 2023	/ideo BW 3.	0 MHz* acterize Noi	se Floor r		ep ~14.0 s	20.000 GHz (14001 pts)	Continuous Search On Off	Peak	

NR-2C

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
А	М	QPSK	25	1000	-16.01

Channel Position M

			en					
Spectr Swept	um Analyzer 1 SA	Spectrum Analyzer 2 Swept SA	2 Spectrum Ar Swept SA		Spectrum Analyzer 4 Swept SA		Marker	· 米
•	GHT Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	Preamp: Off µW Path: Standard	PNO: Fast Gate: LO IF Gain: Low Sig Track; Off	Avg Type: Power (F Trig: External 1	RMS) 123456 WWWWWW ANNNNN	Select Marker Marker 1	
LNI 1 Spectrun	n v		ef Lvl Offset 43.23		Mkr1	1.929 0 GHz	Marker Frequency 1.929000000 GHz	Settings
Scale/Div	/ 10 dB	R	ef Level 20.00 dBr	n		-6.56 dBm	Peak Search	Peak Search
10.0							Next Peak	Pk Search Config
0.00						<u> </u>	Next Pk Right	Properties
-10.0							Next Pk Left	Marker Function
-20.0							Minimum Peak	Marker→
-40.0							Pk-Pk Search	Counter
-50.0		the state for a	ula structura de antes este	يتبلين معادين وراتين	an an the left of the second second second	all such a second as a little	Marker Delta	
-60.0	i degi yili delega _{de} n parte delegan per pr						Mkr→CF	
-70.0							Mkr→Ref Lvl	
Start 9 kH #Res BW			#Video BW 3.0 MH	lz*		Stop 1.9290 GHz •4.01 s (4001 pts)	On	
•		Peb 08, 2023 9:37:50 AM	Characteri	ze Noise Floor r			Off	

Spectrum Analyzer 4 Swept SA	Spectrum Analyzer 5 Swept SA	Spectrum Analyzer 6 Channel Power	Spectrum Analyzer 7 Channel Power	Frequency	- ▼ <mark>- *</mark> *
KEYSIGHT Coupling: DC Align: Auto	Corrections: Off Pre Freq Ref: Int (S) µW	n: 20 dB Trig: External 1 amp: Off Gate: LO Path: Standard #IF Gain: Low IO: Fast	Center Freq: 1.928500000 GHz Avg Hold: 2/10 Radio Std: None	Center Frequency 1.928500000 GHz	Settings
1 Graph v Scale/Div 10.0 dB		vi Offset 43.23 dB alue 20.00 dBm		Span 2.0000 MHz	
Log 10.0 0.00 -10.0				CF Step 200.000 kHz Auto Man	
-20.0				Freq Offset 0 Hz	
-40.0 -50.0 -60.0 -70.0	นองคลอย่างมาสถุการเหตุโกษณ์สูงการการกา	Logo Yanan ay Kanada ana ang mangan	yerter Tradictor to the Anglic Aller and the angle and		
Center 1.928500 GHz #Res BW 10.000 kHz	#Vide	o BW 30.000 kHz*	Span 2 I #Sweep 1.00 s (1001		
2 Metrics Total Channel Power	-26.12 dBm / 1.00 MHz				
Total Channel Power					
	? Feb 08, 2023 9:39:10 AM	Characterize Noise Floor	r required		



Spectrum Analyzer 4 Swept SA	Spectrum Analyzer 5 Swept SA	Spectrum Analyzer 6 Channel Power	Spectrum Analyzer 7	Frequency v
EYSIGHT Input: RF Coupling: DC Align: Auto	Corrections: Off Pro Freq Ref: Int (S) µV	en: 20 dB Trig: External 1 eamp: Off Gate: LO / Path: Standard #IF Gain: Low NO: Fast	Center Freq: 1.996500000 GHz Avg Hold: 2/10 Radio Std: None	Center Frequency 1.996500000 GHz
Graph v cale/Div 10.0 dB		vl Offset 45.98 dB /alue 10.00 dBm		Span 2.0000 MHz
og 1.00 0.0				CF Step 200.000 kHz Auto Man
0.0	Whytern man man an a	ษาสะสงหล่างและเหล่างและ	ประสาราวจะมีการให้สร้างหนึ่งสาวารสารแก้งประมา	Freq Offset 0 Hz
0.0				
enter 1.996500 GHz Res BW 10.000 kHz	#VI0	eo BW 30.000 kHz*	Span 2 M #Sweep 1.00 s(1001 p	
Metrics Total Channel Power Total Power Spectral Dens	-22.19 dBm / 1.00 MH			
1501	? Feb 08, 2023	Characterize Noise Floor	required	



intertek

Total Quality. Assured.

Spectrum A Swept SA	nalyzer 1	Spectrum Analyzer Swept SA	2 Spectrum A Swept SA	Analyzer 3	Spectrum Analyzer Swept SA		Marker	 ▼ ¹/₁
KEYSIGHT ↔→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	Atten: 6 dB Preamp: Off µW Path: Standard	PNO: Fast Gate: LO IF Gain: Low Sig Track: Off	Avg Type: Power (I Trig: External 1	RMS) 123456 WWWWWW ANNNNN	Select Marker Marker 1	•
1 Spectrum	•		Ref LvI Offset 35.0	0 dB	Mkr1 1	9.519 0 GHz	Marker Frequency 19.519000000 GHz	Settings
Scale/Div 10 d	IB		Ref Level 10.00 dB	m		-57.20 dBm	Peak Search	Peak Search
0.00							Next Peak	Pk Search Config
-10.0							Next Pk Right	Properties
-20.0							Next Pk Left	Marker Function
-40.0							Minimum Peak	Marker→
-50.0						1	Pk-Pk Search	Counter
-60.0	محضي مافي والم						Marker Delta	
-70.0							Mkr→CF	
-80.0							Mkr→Ref Lvl	
Start 13.000 G #Res BW 1.0 M			#Video BW 3.0 M	Hz*	#Sweep ~	Stop 20.000 GHz 14.0 s (14001 pts)	On	
1 5	C	Peb 08, 2023 2:19:54 PM		rize Noise Floor	r required		Off	

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
А	М	QPSK	30	1000	-16.01

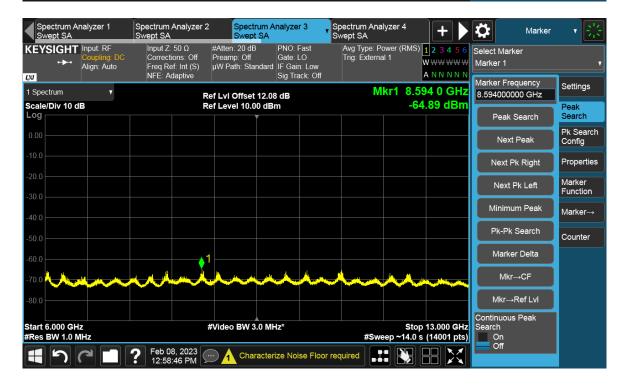
Channel Position M



Spectrum A Swept SA		Spectrum Analyzer 5 Swept SA	Spectrum Analyz Channel Power	er 6 Spectru Channe	m Analyzer 7 I Power	+	Frequency	- 7 法
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Corrections: Off P Freq Ref: Int (S) µ	Atten: 20 dB Trig: 1 Preamp: Off Gate: IW Path: Standard #IF G #PNO: Fast	LO Avg H	r Freq: 1.92850000 old: 2/10 Std: None) GHz	Center Frequency 1.928500000 GHz	Settings
1 Graph	•		LvI Offset 43.23 dB				Span 2.0000 MHz	
Scale/Div 10.0 Log 10.0 -10.0 -20.0 -30.0 -50.0 -50.0 -70.0			f Value 20.00 dBm ի՞լուժոնություն		hithragaddwryr Marii	¹ Yperel,10 ¹¹ 909 <mark>090</mark>	CF Step 200.000 kHz Auto Man Freq Offset 0 Hz	
Center 1.9285 #Res BW 10.0		#Vio	deo BW 30.000 kHz*		#Sweep 1.00	Span 2 MHz s (1001 pts)		
2 Metrics Total Chann Total Power	el Power Spectral Densi	-26.12 dBm / 1.00 M ty -86.12 dBm/ ? Feb 08, 2023	/Hz	Dise Floor required				

	oectrum A vept SA	nalyzer 1	Spectrum Swept SA	Analyzer 2	Specti Swept	rum Analyze : SA		pectrum Ana wept SA		+	\$	Marker	· · 宗
KEY	SIGHT .≁	Input: RF Coupling: DC Align: Auto		ions: Off ef: Int (S)	#Atten: 16 dΒ Preamp: Off μW Path: Sta	Gate: I ndard IF Gair	_0	Avg Type: P Trig: Externa	ower (RMS al 1	5) 1 2 3 4 5 6 WWWWWW A N N N N N	Select M Marker 1	1	
1 Spe		•		R	ef Lvi Offset	45.98 dB		M		996 0 GHz		Frequency 00000 GHz	Settings
Scale Log	e/Div 10 d	B		Re	ef Level 40.0	0 dBm				-8.84 dBm	Pea	ak Search	Peak Search
30.0											N	ext Peak	Pk Search Config
20.0											Nex	t Pk Right	Properties
10.0 0.00											Ne	xt Pk Left	Marker Function
-10.0	1										Mini	mum Peak	Marker→
-20.0											Pk-I	Pk Search	Counter
-30.0											Ма	rker Delta	
-40.0	A all the balance and	and and dense or sheet, where	a ting a state of the state of the		North Street Stree	No. of Concession, Name	-	and the second secon		_	_ ∧	ſkr→CF	
-50.0												r→Ref Lvl	
	1.996 GH BW 1.0 N			#	Video BW 3	.0 MHz*		#Sv		top 6.000 GHz 1 s (8201 pts)	Search On		
	5			8, 2023 50 AM	··· 1 Char	racterize Noi	se Floor red	quired			Off		

Spectrum Analyzer 4 Swept SA	Spectrum Analyzer 5 Swept SA	Spectrum Analyzer 6 Channel Power	Spectrum Analyzer 7	Frequency 🔹
KEYSIGHT Input: RF Coupling: DC Align: Auto	Corrections: Off Freq Ref: Int (S)	Atten: 20 dB Trig: External 1 Preamp: Off Gate: LO μW Path: Standard #IF Gain: Low #PNO: Fast	Center Freq: 1.996500000 GHz Avg Hold: 10/10 Radio Std: None	Center Frequency 1.996500000 GHz Span
1 Graph V		f Lvi Offset 45.98 dB		2.0000 MHz
Scale/Div 10.0 dB _og 0.00 10.0		f Value 10.00 dBm		CF Step 200.000 kHz Auto Man
20.0 30.0 40.0		andysylandrysylawy particular an an agenty and the		Freq Offset 0 Hz
60.0 60.0 70.0				
80.0 enter 1.996500 GHz Res BW 10.000 kHz	#V	ideo BW 30.000 kHz*	Span 2 M #Sweep 1.00 s (1001 p	
Metrics •	-22.35 dBm / 1.00 M	147		
Total Power Spectral Dens				
	? Feb 08, 2023 9:54:45 AM	Characterize Noise Floo	r required	



Spectrum Al Swept SA	nalyzer 1	Spectrum Swept SA	Analyzer 2	Specti Swept	rum Analyze SA	r 3	Spectrum A Swept SA		+	\$	Marker	- * ※
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: Correcti Freq Re NFE: A	ons: Off f: Int (S)	Atten: 6 dB Preamp: Off µW Path: Sta		LO	Avg Type Trig: Exte	: Power (RM ernal 1	S) 1 2 3 4 5 6 WWWWWW A N N N N N	Select Marker Marker 1	, 	
1 Spectrum	•		R	ef Lvi Offset	35.00 dB		N		.467 5 GHz	Marker Frequ 19.46750000	-	Settings
Scale/Div 10 d	3		Re	ef Level 10.0	0 dBm			-	56.98 dBm	Peak Se	arch	Peak Search
0.00										Next P	eak	Pk Search Config
-10.0										Next Pk	Right	Properties
-20.0										Next Pk	Left	Marker Function
-40.0										Minimum	Peak	Marker→
-50.0									1	Pk-Pk Se	earch	Counter
-60.0	-				ining all the section				<u></u>	Marker [Delta	
-70.0										Mkr→	CF	
-80.0										Mkr→Re	ef Lvl	
Start 13.000 Gi #Res BW 1.0 M			8 2023	≠Video BW 3	.0 MHz*	ise Floor			top 20.000 GHz 0 s (14001 pts)	Continuous F Search On Off	Peak	



7 Frequency Stability

Test result: Tested

7.1 Limit

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

7.2 Measurement Procedure

Temperature Variation

The EUT was tested over the temperature range -30°C to +50°C in 10°C steps with -48 VDC Power Supply. At each temperature step, the Base Station was configured to transmit at maximum power on the middle channel of the operating band.

Voltage Variation

The EUT was tested at the supplied voltages varied from 85 to 115 percent of the nominal values of -48 VDC. At +20°C, the Base Station was configured to transmit at maximum power on the middle channel of the frequency block.



7.3 Measurement result

Frequency Error – Temperature Variation

NR-1C.	Channel	Bandwidth:	40MHz
1 1 1 1 1 1 1 1 1 1	Chunner	Dunuwiutit	1010112

Antenna		Tomporaturo	Frequency Stability (Hz)				
Port	Modulation	Temperature (°C)	Channel	Channel	Channel		
FOIL		(C)	Position B	Position M	Position T		
		-30	-3.45	-3.58	-3.78		
		-20	-4.29	-3.38	-3.92		
		-10	-3.34	-3.22	-4.32		
		0	-4.09		-3.63		
А	QPSK	10	-4.38	-3.33	-3.46		
		20	-3.44	-3.12	-3.49		
		30	-3.45	-3.37	-3.57		
		40	-3.66	-1.14	-3.70		
		50	-3.22	-3.11	-3.85		

Frequency Error – Voltage Variation

NR-1C, Channel Bandwidth: 40MHz

Antonno		Temperature	Supply	Frequency Stability (Hz)			
	Antenna Port Modulation	(°C)	Voltage	Channel	Channel	Channel	
Port		()	(V)	Position B	Position M	Position T	
	A QPSK		PSK 20	-40.8	-3.00	-3.69	-3.52
A		QPSK		-48.0	-3.44	-3.12	-3.49
				-55.2	-3.53	-3.81	-3.65