



Full RB-Vertical Polarization

	rum Anal nel Powe			Spectrum Analyzer 2 Swept SA	Band ed Swept S		Band edge-High Swept SA	· · ·	Freque	ncy 🔻 🗦
	SIGHT	Input: F Couplir Align: A	ng: DC	Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	#Atten: 0 dB	PNO: Fast Gate: Off IF Gain: Higt Sig Track: O	וווק: Free Run	er (RMS <mark>123456</mark> A WWWWW A N N N N N	Center Frequency 28.350000000 GHz	Settings
Spec	ctrum / Div 10 (dD	•		tef LvI Offset -1		Mkr3	28.362 4 GHz -28.240 dBm	200.000000 1111 12	
19.6		a∎ ∋1Pa	ass			JBM		-20.240 UDIII	Swept Span Zero Span	
9.56 0.44 10.4		roomens		and manufacture					Full Span	
20.4 30.4				V		2 3	europananan antonananan		Start Freq 28.250000000 GHz	
40.4 -50.4 -60.4								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stop Freq 28.450000000 GHz	
	r 28.350 BW 1.0				#Video BW 3.0	MHz	Sweep	Span 200.0 MHz 1.00 ms (1001 pts)		
5 Mark	ker Table	Ŧ	•						CF Step 20.000000 MHz	
4	Mode N	Trace	Scale	28.341 8 GHz	Y 5.139 dBm	Function	Function Width	Function Value	Auto	
2	N	1	f	28.350 4 GHz	-28.32 dBm				Man	
3 4	N	1	f	28.362 4 GHz	-28.24 dBm				Freq Offset 0 Hz	
5 6	General								X Axis Scale	
\pm	ょ	3		? Oct 24, 2020 12:24:36 PM					Log Lin	



Lowest Band edge (n261-2CC-100 MHz)

Bandwidth (MHz)	CC	Modulation	Band edge	Beam ID	Resource block (RB)	Frequency Range (MHz)	Pol.	EIRP (dBm)	Gain	Conductive Power (dBm)		Margin (dB)
			Lowest	63+319	64RB0	27480-	Н	-12.70	19.23	-31.93	F	-20.60
100	2	DDCV				27500	V	-6.37	19.23	-25.60	-5	
100	2	BPSK				<=27480	Н	-13.93	19.23	-33.16	12	-13.58
						<-27480	V	-7.35	19.23	-26.58	-13	-13.38

Note: Conductive Power (dBm) = EIRP (dBm) – Antenna Gain (dBi)





64RB0-Vertical Polarization

Spectrum Channel F				Spectrum Analyzer 2 Swept SA	Band ed Swept S		Band edge-Hi Swept SA	^{gh} +		Frequency	· • •
KEYSIC		Input: R Coupling Align: A	g: DC	Input Ζ: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	#Atten: 0 dB	PNO: Fast Gate: Off IF Gain: High Sig Track: Of	Trig: Free Run	wer (RMS <mark>123456</mark> A \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	27.50	Frequency 0000000 GHz	Settings
1 Spectrur	m		•		ef Lvi Offset -19		Mkr	3 27.460 0 GH	400.0	00000 MHz	
Scale/Div	v 10 de race		SS	R	ef Level 29.75 d	Bm	∧1	-26.580 dBn		wept Span ero Span	
9.75 -0.25 -10.3						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		warder and the ward		Full Span	
20.3			and the second second	and and a constant of the second s	32				Start F 27.30	req 0000000 GHz	
40.3	ALC IN CASE	south theme							Stop F 27.70	req 0000000 GHz	
enter 27 Res BW					#Video BW 3.0	MHz	Swee	Span 400.0 MH ep 1.00 ms (1001 pts		UTO TUNE	
Marker 1	Table		•						CF Ste 40.00	р 0000 MHz	
		Trace	Scale	X	Y	Function	Function Width	Function Value		uto	
	N	1	f	27.587 6 GHz	4.849 dBm					an	
	N	1	1	27.498 0 GHz	-25.60 dBm						
4 5	N	1		27.460 0 GHz	-26.58 dBm				Freq C 0 Hz	ffset	
6 1	n (2		? Oct 24, 2020 11:55:46 AM					X Axis	bg	



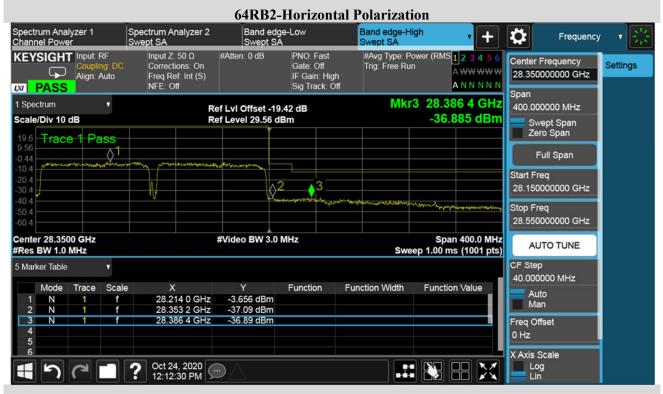
Highest Band edge (n261-2CC-100 MHz)

Bandwidth (MHz)	СС	Modulation	Band edge	Beam ID	Resource block (RB)	Frequency Range (MHz)	Pol.	EIRP (dBm)	Gain	Conductive Power (dBm)	Limit (dBm)	Margin (dB)	
			Highest		64RB2 -	28350-	Н	-17.67	19.42	-37.09	r.	24.40	
100	2	DDCV		(2) 210		28370	V	-10.07	19.42	-29.49	-5	-24.49	
100	2	BPSK		03+319		04KB2	>-29270	Н	-17.47	19.42	-36.89	-13	17 47
						>=28370	V	-11.05	19.42	-30.47	-13	-17.47	

Note: Conductive Power (dBm) = EIRP (dBm) – Antenna Gain (dBi)



Highest Band edge: n261-BW:100MHz-2CC-BPSK-Beam ID 63 + 319



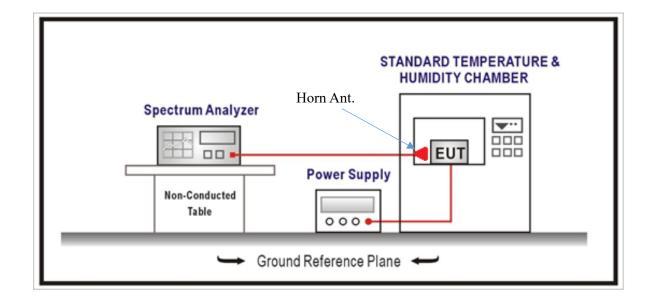
64RB2-Vertical Polarization

Spectrum Analyzer 1 Channel Power	Spectrum Analyzer 2 Swept SA	Band edge Swept SA	-Low	Band edge-High Swept SA	+	Frequency	(• • 🛃
KEYSIGHT Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	#Atten: 0 dB	PNO: Fast Gate: Off IF Gain: High Sig Track: Off	#Avg Type: Power Trig: Free Run	(RMS <mark>123456</mark> A WWWWW ANNNNN	Center Frequency 28.350000000 GHz Span	Settings
1 Spectrum V		ef LvI Offset -19.4		Mkr3	28.388 4 GHz	400.000000 MHz	
Scale/Div 10 dB		ef Level 29.56 dB	m		-30.468 dBm	Swept Span Zero Span	
).44 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	when a pression	house				Full Span	
10.4 20.4 80.4	W	2 //		and and a state of the state of		Start Freq 28.150000000 GHz	
40.4 50.4 60.4					and the state of the second	Stop Freq 28.550000000 GHz	
enter 28.3500 GHz Res BW 1.0 MHz		#Video BW 3.0 N	1Hz	Sweep	Span 400.0 MHz 1.00 ms (1001 pts)		
Marker Table 🛛 🔻						CF Step 40.000000 MHz	
Mode Trace Sca		Y	Function F	unction Width F	unction Value	Auto	
1 N 1 f	28.238 4 GHz	4.624 dBm				Man	
2 N 1 f 3 N 1 f	28.352 4 GHz	-29.49 dBm					
3 N 1 f 4 5	28.388 4 GHz	-30.47 dBm				Freq Offset 0 Hz	
	Oct 24, 2020					X Axis Scale Log Lin	



6. Frequency Stability

6.1. Test Setup



6.2. Limits

The fundamental emissions within the authorized frequency band by variation the temperature from -30° C to $+50^{\circ}$ C and variation the primary voltage from 85% to 115% of the nominal supply voltage.

6.3. Test Procedure

Frequency stability of the transmitter is measured by:

a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.

b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

1. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier Frequency of the transmitter is made within one minute after applying power to the transmitter.

2. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.



6.4. Test Results

N/A

Note: This is to request a Class II permissiove change for FCC ID: NKR-LVKS-IHP, originally on 07/20/2020(See the section 1.1 EUT description)