

KEYSIGHT RL ++-	Input RF Coupling DG Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq. 1 Avg/Hold: 300/3 Radio Std: Non		Center Frequency 1.708500000 GHz	Settings
Graph cale/Div 10.0	đB		Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
.0g							CF Step 400.000 kHz	
0.00						FMS AVG	Auto Man	
10.0							Freq Offset 0 Hz	1
30.0						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1
40.0 50.0								
Center 1.70850 Res BW 39.000			Video BW 390.0	0 kHz*	Swee	Span 4 MHz p 3.20 ms (1001 pts)		
2 Metrics								
Total Chann	el Power	-23.55 dBm / 1.(	00 MHz					-
Total Power	Spectral Densit	y -83.55 c	IBm/Hz					Loca
	Cont In	Mar 20, 2024 9:22:19 AM						

#### NR66\_20 M\_Extended Band Edge\_Low\_BPSK\_FullRB



	Input RF Coupling IDG Align Auto	Input Z: 50 Q Corr CCorr Freq Ref: Int (S) NFE: Adaptive	#Atten 20 dB Preamp Otf	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Powe Trig: Free Run	AWWWWW AAAAAA		Frequency 00000 GHz	Settings
Spectrum cale/Div 10 dl	в		Ref Lvi Offset 27 Ref Level 27.49 d	49 dB	Mkr1 1	.780 000 GHz -25.786 dBm	Sw	0000 MHz rept Span ro Span	
7.5			η				-	ull Span	
49							Start Fr 1.7780	eq 00000 GHz	
2.5						61, i -13, 00 dBm.	Stop Fr 1.7820	eq 00000 GHz	
2.5			1				AL	ITO TUNE	
2.5.	/						CF Step 400.00		
2.5	~			Y			Au Ma		
2.6						RMS	Freq Of 0 Hz	fset	
enter 1.78000 tes BW 30 kH			#Video BW 1.0	MHz	#Sweep	Span 4.000 MHz ~1.01 s (1001 pts)	X Axis S Lo Lir	a	Loc
50		Mar 20, 2024 9:27:42 AM	$\odot$						1

# NR66\_20 M\_Band Edge\_High\_BPSK\_1RB



KEYSIGHT		H Input Z: 50 Ω Corr CCorr Freq Ref. Int (S)	#Atten 20 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low	#Avg Type: Pr Trig: Free Ru	AWWWWW		Frequency Frequency 00000 GHz	Settings
2 Spectrum cale/Div 10 d		NFE Adaptive	Ref LvI Offset 27 Ref Level 27.49 d	Sig Track: Off 49 dB	Mkr1	AAAAAA 1.780 788 GHz -29.269 dBm	Sw	0000 MHz ept Span ro Span	
7.5								ull Span	
49							Start Fr 1.7780	eq 00000 GHz	
51						BL1-13.00 dBm	Stop Fr 1.7820	eq 00000 GHz	
2.5					1	RMS	1.1	TO TUNE	
2.5.						- Anio.	CF Ster 400.00	the second se	
2.5							Au Ma		
2.6							Freq Of 0 Hz	lset	
enter 1.78000 Res BW 2001			#Video BW 620	kHz	#Swe	Span 4.000 MHz eep ~1.01 s (1001 pts)	X Axis : Lo Lir	9	Lo
5	2	Mar 20, 2024 9:27:09 AM	0					æ	

#### NR66\_20 M\_Band Edge\_High\_BPSK\_FullRB



	Input_RF Coupling_DG Align_Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig Free Run Gate: Off #IF Gain: Low	Center Freq. 1 78 AvgiHold: 300/300 Radio Std: None		Center Frequency 1.781500000 GHz	Settings
Graph Graph	dB.		Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
20.0							CF Step 400.000 kHz	
10.0							Auto Man	
10.0							Freq Offset 0 Hz	1
30.0	min		m			RMS AVG		
Center 1.78150 Res BW 39.000			Video BW 390.0	0 kHz*	Sweep 3	Span 4 MHz 3.20 ms (1001 pts)		
2 Metrics								
Total Channe	el Power	-26.66 dBm / 1.	00 MHz					
Total Power	Spectral Densit	-86.66 d	dBm/Hz					Loc
		Mar 20, 2024 9:27:19 AM	Ø					

#### NR66\_20 M\_Extended Band Edge\_High\_BPSK\_FullRB



Spectrum Analy Swept SA	zer 1	+					Ö	Frequency	y + 5
EYSIGHT	Input_RF Coupling DG Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 20 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Trig: Free Run	wer (RMS12345) AWWWWW AAAAAA		Frequency 00000 GHz	Settings
Spectrum cale/Div 10 d	B	1	Ref LvI Offset 27 Ref Level 27.49 (	.49 dB	Mkr1	1.710 000 GHz -29.219 dBm	Sw	0000 MHz ept Span ro Span	
75				10			F	ull Span	
49							Start Fr 1.7080	eq 00000 GHz	
2.5				A	X	5)L1-13.00 dBm	Stop Fr 1.7120	eq 00000 GHz	
2.5				6	X		AU	TOTUNE	
2.5						BMS	CF Step 400.00 Au	0 kHz	
2.5						~ ~	Ma		
2.6 00000000	all all and a second seco						Freq Of 0 Hz	lset	
enter 1.71000 Res BW 30 kH			#Video BW 1.0	MHz	#Swe	Span 4.000 MHz ep ~1.01 s (1001 pts)	X Axis S Lo Lin	9	Loc
5		Mar 20, 2024 9:34:19 AM	Ð						

# NR66\_25 M\_Band Edge\_Low\_BPSK\_1RB



	Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	#Atten 20 dB Preamp Off	PNO Best Wide Gate Otf IF Gain Low Sig Track Off	#Avg Type: Po Tha: Free Run	wer (RMS12345 AWWWWW AAAAAA	1.71000	requency 00000 GHz	Settings
Spectrum cale/Div 10 dB			Ref LvI Offset 27 Ref Level 27.49 d		Mkr1	1.710 000 GHz -25.123 dBm	Sw	0000 MHz ept Span o Span	
7.5							F	uli Span	
40						RMS	Start Fre 1.70800	eq 00000 GHz	
2.5				-/		DL 1 - 13 00 dBm	Stop Fre 1.71200	q 10000 GHz	
2.5			•1				AU	TO TUNE	
2.5							CF Step 400.000	1000	
2.5							Aut Mai		
							Freq Off 0 Hz	set	
enter 1.710000 GH tes BW 270 kHz	z		#Video BW 910	kHz	#Swe	Span 4.000 MHz ep ~1.01 s (1001 pts)	X Axis S Log Lin		LO
うつ	2	Mar 20, 2024 9:33:48 AM							

#### NR66\_25 M\_Band Edge\_Low\_BPSK\_FullRB



KEYSIGHT RL M	Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ret Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1 708500 AvgiHold: 300/300 Radio Std: None	000 GHz	Center Frequency 1.708500000 GHz	Settings
Graph Graph Icale/Div 10.0	T AB	The Papping	Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
							GF Step 400.000 kHz	
10.0						RMS AVG	Man Freq Offset	
30.0						mont	0 Hz	
40.0 50.0 60.0								
enter 1.7085 tes BW 39.00			Video BW 390.0	0 kHz*	Sweep 3.20	Span 4 MHz ms (1001 pts)		
Metrics	*							
Total Chanr Total Power	nel Power Spectral Densit	-21.52 dBm / 1.0						Loca
15	C <sup>a</sup>	Mar 20, 2024 9:33:57 AM	Ø					

#### NR66\_25 M\_Extended Band Edge\_Low\_BPSK\_FullRB



	Input RF Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	#Atten: 20 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Powe Tng: Free Run			Frequency 00000 GHz	Settings
Spectrum cale/Div 10 dl	¥ B		Ref LvI Offset 27 Ref Level 27.49 d	.49 dB	Mkr1 1	.780 000 GHz -29.711 dBm	Sw	0000 MHz rept Span ro Span	
75		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					-	ull Span	
40 51							Start Fr 1.7780	eq 00000 GHz	
.5						131.1 -13.00 dBm	Stop Fr 1.7820	eq 00000 GHz	
2.5		/	1				AL	ITO TUNE	
5							CF Step 400.00 Au	0 kHz to	
.5						HMS HANNAN CON	Ma Freq Of 0 Hz		
nter 1.78000 es BW 30 kH			#Video BW 1.0	MHz	#Sweep	Span 4.000 MHz ~1.01 s (1001 pts)	X Axis S Lo Lir	a	Lo
5		? Mar 20, 2024 9:39:22 AM	0					ac.	

# NR66\_25 M\_Band Edge\_High\_BPSK\_1RB



WEPT SA EYSIGHT L	Input_RF Coupling_DC Align_Auto	Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive	#Atten 20 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Po Thg: Free Run	wer (RMS 1 2 3 4 5 ) A WW WW W A A A A A A A	1 7800	Frequency 00000 GHz	Settings
Spectrum cale/Div 10 d	r IB		Ref Lvi Offset 27 Ref Level 27.49 o		Mkr1	1.780 012 GHz -30.942 dBm	Sv	0000 MHz rept Span ro Span	
7 5							F	ull Span	
49 51							Start Fr 1.7780	eq 00000 GHz	
2.5						DL1-13.00 dBm	Stop Fr 1.7820	eq 00000 GHz	
2.5			•1				AL	ITO TUNE	
						RNIS	CF Stej 400.00		
2.6 2.6)							Au Ma		
							Freq O 0 Hz	lset	
nter 1.7800 es BW 270 1			#Video BW 910	kHz	#Swe	Span 4.000 MHz ep ~1.01 s (1001 pts)	X Axis : Lo Lir	a	Lo
5	C 1	Mar 20, 2024 9:38:50 AM	0					-	

#### NR66\_25 M\_Band Edge\_High\_BPSK\_FullRB



Spectrum Analy Channel Power	yzer 1	+					<b>C</b> Frequence	y 🔹 👯
KEYSIGHT RL +	Input_RF Coupling_DG Align_Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq. 1 7815000 AvgiHold: 300/300 Radio Std: None	00 GHz	Center Frequency 1.781500000 GHz	Settings
Graph Scale/Div 10.0	T	THE Hupping	Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
.og			Ker value 30.00				CF Step 400.000 kHz	
20.0 10.0 0.00							Auto	
10.0							Freq Offset 0 Hz	1
30:0								
50.0				~~~~~		RMS AVG		
enter 1.78150			Video BW 390.0	0 kHz*	Sweep 3.20	Span 4 MHz ms (1001 pts)		
Metrics	¥					100 (1001 p.c)		
Total Chann	el Power	-29.71 dBm / 1.0	00 MHz					
	Spectral Densit	a subsection is						Loca
15	an	Mar 20, 2024 9:39:00 AM	$\odot$					

#### NR66\_25 M\_Extended Band Edge\_High\_BPSK\_FullRB



Spectrum Analy Swept SA KEYSIGHT		+	#Atten: 20 dB	PNO Best Wid	e #Ava Type	Power (RMS 1 2 3 4 5	¢	Frequenc	y • 🖻
	Coupling DC Align Auto	Corr CCorr Freq Ref. Int (S) NFE: Adaptive	Preamp Off	Gate: Off IF Gain: Low Sig Track: Off	Tng: Free R			Frequency 00000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref LvI Offset 2 Ref Level 27.49	7.49 dB	Mkr	1 1.710 000 GHz -31.963 dBm	Sw	0000 MHz rept Span ro Span	
7.5				r	~		F	ull Span	
49							Start Fr 1.7080	eq 00000 GHz	
2.5					X	DL1-13.00 d⊞m	Stop Fr 1.7120	eq 00000 GHz	
2.5				1			AL	TO TUNE	
2.5						RMS	CF Step 400.00		
2.5	. ht. with	All Martin and and a start of the start of t					Au Ma		
2.6	Al-Haller Alexanderson						Freq Of 0 Hz	lset	
enter 1.71000 Res BW 30 kH			#Video BW 1.	0 MHz	#S1	Span 4.000 MHz weep ~1.01 s (1001 pts)		a	Loca
5	2	Mar 20, 2024 9:59:28 AM							

# NR66\_30 M\_Band Edge\_Low\_BPSK\_1RB



	L RF pling DG 1 Auto	Input Z 50 Ω Corr CCorr Freq Ret Int (S) NFE Adaptive	#Atten 20 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Poy Tha: Free Run	ver (RMS 1 2 3 4 5 ) A WW WW W A A A A A A A	1.7100	Frequency 00000 GHz	Settings
Spectrum cale/Div 10 dB	•		Ref LvI Offset 27 Ref Level 27.49 d		Mkr1	1.710 000 GHz -26.515 dBm	Sw	0000 MHz ept Span o Span	
7.5							F	ull Span	
40				/		BMS	Start Fre 1.7080	eq 00000 GHz	
2.5				A		DL i -13.00 dBm	Stop Fre 1.7120	eq 00000 GHz	
2.5				1-			AU	TO TUNE	
2.5							CF Step 400.00	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
2.5							Aut Ma		
2.6							Freq Off 0 Hz	set	
enter 1.710000 Gl Res BW 300 kHz	Hz		#Video BW 1.0	MHz	#Swee	Span 4.000 MHz ep ~1.01 s (1001 pts)	X Axis S Lo <u>i</u> Lin		Lo
50		Mar 20, 2024 9:58:55 AM	Ø						

#### NR66\_30 M\_Band Edge\_Low\_BPSK\_FullRB



KEYSIGHT RL ++-	Input_RF Coupling_DG Align_Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freg: 1 708 Avg Hold: 300/300 Radio Std: None	500000 GHz	Center Frequency 1.708500000 GHz	Settings
Graph cale/Div 10.0	r dB		Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
.0g							CF Step 400.000 kHz	
to o							Auto Man	
10.0							Freq Offset 0 Hz	1
20.0						RMS AVG	0 H2	
40.0					·····	~~~~~		
60.0 Center 1.70850			Video BW 390.0	0 kHz*		Span 4 MHz		
tes BW 39.000	0 kHz				Sweep 3.	20 ms (1001 pts)		
WHOO HOS								
Total Chann	el Power	-22.50 dBm / 1.0	00 MHz					Loca
Total Power	Spectral Densit	-82.50 d	Bm/Hz					LOCA
		Mar 20, 2024 9:59:04 AM						
		9:59:04 AM	©					

#### NR66\_30 M\_Extended Band Edge\_Low\_BPSK\_FullRB



	Input RF Coupling BC Align Auto	Input Z: 5 Corr CCo Freq Ref NFE Ada	int (S)	#Atten 20 dB Preamp Off	Gate IF Ga	Best Wide Off n: Low ack: Off	#Avg Type: Pr Trig: Free Rui	ower (RMS <mark>1234</mark> AWWV AAAA	ww.	1.7800	requency 00000 GHz	Settings
Spectrum ale/Div 10 dl	3			tef LvI Offset 2 tef Level 27.49			Mkr1	1.780 000 ( -35.368 d		Sw	0000 MHz ept Span o Span	
5		r	7						-	F	ull Span	
40 51										Start Fre 1.7780	eq 00000 GHz	
5			1					E)1.1 -13.0	0 dBm	Stop Fre 1.7820	9 00000 GHz	
5	1	p							_	AU	TO TUNE	
	1				1					CF Step 400.000		
1.5					Lan		Margin alpha albert	and an internation of the states of	RMS	Aut Ma		
								and a land of the second	Anto	Freq Off 0 Hz	set	
nter 1.78000 es BW 30 kH				#Video BW 1.	0 MHz		#Swe	Span 4.000 eep ~1.01 s (1001		X Axis S Loç Lin	1	Lo

# NR66\_30 M\_Band Edge\_High\_BPSK\_1RB



	L RF bling (DG Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 20 dB Preamp Off	PNO Best Wide Gate: Off IF Gain Low Sig Track: Off	#Avg Type: Po Trig: Free Rur	wer (RMS12345) A WW WW W A A A A A A A	1.7800	Frequency 00000 GHz	y Settings
Spectrum cale/Div 10 dB	*		Ref LvI Offset 27 Ref Level 27.49 c		Mkr1	1.780 000 GHz -28.112 dBm	Sw	0000 MHz ept Span ro Span	
7 5							F	ull Span	
49							Start Fr 1.7780	eq 00000 GHz	
2.5						DL1-13.00 dBm	Stop Fr 1.7820	eq 00000 GHz	
2.5			1			RMS	CF Step	and the second se	
2.5							400.00 Au Ma	to	
2.6							Freq Of 0 Hz	lset	
nter 1.780000 GH es BW 300 kHz	łz		#Video BW 1.0	MHz	#Swe	Span 4.000 MHz ep ~1.01 s (1001 pts)	X Axis S Lo Lir	a	LO
うつ		Mar 20, 2024 10:00:58 AM	Ð					~	

#### NR66\_30 M\_Band Edge\_High\_BPSK\_FullRB



Spectrum Analy Channel Power	rzer 1	+					Frequenc	y 🔹 🕄
KEYSIGHT RL	Input_RF Coupling_DG Align_Auto	Input Z 50 Ω Corr CCorr Freq Ret. Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig Free Run Gate: Off #IF Gain: Low	Center Freq. 1 78 AvgiHold: 300/30 Radio Std: None		Center Frequency 1.781500000 GHz	Settings
Graph Graph Scale/Div 10.0	t dB	THE Mapine	Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
.0g							CF Step 400.000 kHz	
10.0							Auto	
10.0							Freq Offset 0 Hz	
0.0	·			~~~~		RMS AVG		
50.0 50.0								
enter 1.78150 les BW 39,000			Video BW 390.0	0 kHz*	Sweep	Span 4 MHz 3.20 ms (1001 pts)		
Metrics								
Total Channe	el Power	-26.60 dBm / 1.0	00 MHz					Loca
Total Power	Spectral Densit	-86.60 c	IBm/Hz					Loca
15	2	Mar 20, 2024 10:01:07 AM	0					

#### NR66\_30 M\_Extended Band Edge\_High\_BPSK\_FullRB



Spectrum Analy Swept SA		+					Ö	Frequenc	y 🔹 🛃
	Input RF Coupling BC Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE. Adaptive	#Atten 20 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: F Trig: Free Ru	ower (RMS 1 2 3 4 5 m A WW WW W A A A A A A A		Frequency 00000 GHz	Settings
Spectrum cale/Div 10 d	B		Ref Lvi Offset 27 Ref Level 27.49	7.49 dB	Mkr1	1.710 000 GHz -34.368 dBm	Sw	0000 MHz ept Span ro Span	
75				m	η		F	ull Span	
49							Start Fr 1.7080	eq 00000 GHz	
2.5						DL 1 - 13 00 dBm	Stop Fr 1.7120	eq 00000 GHz	
2.5				/			AL	TO TUNE	
2.5						RMB	CF Step 400.00	0 kHz	
2.5		eridistrikal radiational diversity					Au Ma		
2.9	Addambordon a						Freq Of 0 Hz	lset	
enter 1.71000 Res BW 30 kH			#Video BW 1.0	MHz	#Sw	Span 4.000 MHz eep ~1.01 s (1001 pts)		q	Loca
5		Mar 20, 2024 10:49:12 AM	Ð						

# NR66\_35 M\_Band Edge\_Low\_BPSK\_1RB



CEYSIGHT Input RF	DG Corr CCorr	#Atten 20 dB Preamp Otf )	PNO Best Wide Gate Off IF Gain Low Sig Track Off	#Avg Type: Pov Thg: Free Run	ver (RMS <mark>12345)</mark> A WWWWW A A A A A A	Contrast and	Frequency 00000 GHz	Setting
g Spectrum cale/Div 10 dB		Ref LvI Offset 27 Ref Level 27.49 o	.49 dB	Mkr1	1.710 000 GHz -22.667 dBm	Sw	0000 MHz rept Span ro Span	
7 5						F	ull Span	
49					RMS.	Start Fr 1.7080	eq 00000 GHz	
2.5			1		ÐL1-13,00 d⊟m,	Stop Fr 1.7120	eq 00000 GHz	
2.5						AL	TO TUNE	
12.5						CF Step 400.00 Au	0 kHz to	
2.5						Freq O 0 Hz		
enter 1.710000 GHz Res BW 430 kHz		#Video BW 1.3	MHz	#Swee	Span 4.000 MHz p ~1.01 s (1001 pts)	X Axis : Lo Lir		La
50	Mar 20, 2024							

### NR66\_35 M\_Band Edge\_Low\_BPSK\_FullRB



Spectrum Analy Channel Power	rzer 1	+					Frequence	ey 🔹 👯
	Input_RF Coupling_DC Align_Auto	Input Z 50 Ω Corr CCorr Freq Ret. Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig: Free Run Gate: Otf #IF Gain: Low	Center Freq. 1 708500 Avg Hold: 300/300 Radio Std: None	000 GHz	Center Frequency 1.708500000 GHz	Settings
1 Graph Scale/Div 10.0	, dB	THE Hupping	Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
20.0							CF Step 400.000 kHz	
10.0							Auto Man	
10.0						HMS AVG	Freq Offset 0 Hz	
-30.0								
Center 1.70850 Res BW 39.000			Video BW 390.0	0 kHz*	Sweep 3.20	Span 4 MHz ms (1001 pts)		
2 Metrics	*							
Total Channe	el Power	-24.20 dBm / 1.0	00 MHz					
Total Power	Spectral Densil	ty -84.20 c	dBm/Hz					Loca
15	C* 11	Mar 20, 2024 10:48:50 AM	Ø					

#### NR66\_35 M\_Extended Band Edge\_Low\_BPSK\_FullRB



	L RF Ning, DC Auto	Input Z: 5 Corr CCc Freq Ref NFE: Ad	orr Int (S)	#Atten 20 dB Preamp Off	PNO E Gate ( IF Gair Sig Tra	Low	#Avg Type: F Tng: Free RL	ower (RMS in	<b>12345</b> Awwwww AAAAAA		Frequency 00000 GHz	Settings
Spectrum cale/Div 10 dB	•			Ref Lvi Offset 2 Ref Level 27.49	27.49 dB		Mkr		000 GHz 267 dBm	Sw	0000 MHz ept Span o Span	
7 5			m		_					F	ull Span	
40 51										Start Fr 1.7780	eq 00000 GHz	
2.5									ÐL i -13.00 dBm	Stop Fr 1.7820	eq 00000 GHz	
2.5					4					AU	TO TUNE	
2.5	$\mathcal{I}$									CF Step 400.00		
2.5						Press and	Wellen and prefere			Aut Ma		
2.6								mannipland	RMS homananin/Advance	Freq Of 0 Hz	lset	
enter 1.780000 Gi les BW 30 kHz	łz			#Video BW 1	.0 MHz		#Sw		an 4.000 MHz I s (1001 pts)	X Axis S Lo Lin		Loc
50		Mar 20	, 2024 16 AM	0				The second second				

# NR66\_35 M\_Band Edge\_High\_BPSK\_1RB



Align /	No. DG Corr CCorr Auto Freq Ref. Int	Preamp Off (S)	PNO Best Wide Gate: Off IF Gain Low	#Avg Type: Poy Thg: Free Run	ver (RMS <mark>12245)</mark> A WWWWW A A A A A A	the second se	Frequency Frequency 00000 GHz	Settings
Spectrum cale/Div 10 dB	NFE Adapliv	e Ref LvI Offset 27 Ref Level 27.49 o		Mkr1	1.780 000 GHz -26.773 dBm	Sw	0000 MHz ept Span ro Span	
5						F	ull Span	
10						Start Fr 1.7780	eq 00000 GHz	
51					Ð1. i -13.00 d⊟m,	Stop Fr 1.7820	eq 00000 GHz	
2.5		<b>1</b>			RMS	AL	TO TUNE	
						CF Step 400.00	and the second se	
2.5						Au Ma		
						Freq Of 0 Hz	lset	
nter 1.780000 GHz es BW 430 kHz		#Video BW 1.3	MHz	#Swee	Span 4.000 MHz p ~1.01 s (1001 pts)	X Axis S Lo Lir	a	Lo
うつ	Mar 20, 20, 10:50:44 A	24 M			<b>X X</b>			

#### NR66\_35 M\_Band Edge\_High\_BPSK\_FullRB



Spectrum Analy Channel Power	rzer 1	+					Frequenc	y + 53
KEYSIGHT RL	Input_RF Coupling_DG Align_Auto	Input Z 50 Ω Corr CCorr Freq Ret. Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1 7815 Avg Hold: 300/300 Radio Std: None	00000 GHz	Center Frequency 1.781500000 GHz	Settings
Graph Scale/Div 10.0	dB.	пес ларто	Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
-0g 20.0							CF Step 400.000 kHz	
10.0							Auto	
10.0							Freq Offset 0 Hz	1
30.0						RMS AVG		
Center 1.78150 Res BW 39.000			Video BW 390.0	0 kHz*	Sweep 3.2	Span 4 MHz 20 ms (1001 pts)		
2 Metrics								
Total Channe	el Power	-24.63 dBm / 1.	00 MHz					
Total Power	Spectral Densit	-84.63 d	dBm/Hz					Loca
15		Mar 20, 2024 10:50:53 AM	Ø					

#### NR66\_35 M\_Extended Band Edge\_High\_BPSK\_FullRB



KEYSIGHT	Input RF Coupling BC Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	#Atten 20 dB Preamp Off	PNO Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Pow Trig: Free Run	er (RMS 1 2 3 4 5 1 A WW WW W A A A A A A A	1.71000	Frequency Requency 20000 GHz	Settings
Spectrum cale/Div 10 d	B	Contract Contractory	Ref LvI Offset 27 Ref Level 27.49	7.49 dB	Mkr1	1.710 000 GHz -32.820 dBm	Sw	0000 MHz ept Span o Span	
75							F	ull Span	
2.51							Start Fre 1.70800	eq 00000 GHz	
12.5				X		DL1 -13 00 d⊟m,	Stop Fre 1.71200	q 10000 GHz	
2.5				/	X		AU	TO TUNE	
2.5						RMS	CF Step 400.000		
		And a president and a second of the second o					Aut Mai		
2.6 menetitit	pierentententen						Freq Off 0 Hz	set	
enter 1.71000 Res BW 30 kł			#Video BW 1.0	) MHz	#Sweet	Span 4.000 MHz p ~1.01 s (1001 pts)	X Axis S Log Lin	1	Loc
5		Mar 20, 2024 10:03:38 AM	0					ar-	

# NR66\_40 M\_Band Edge\_Low\_BPSK\_1RB



wept SA		+ Input Z: 50 Ω	#Atten: 20 dB	PNO Best Wide	di Astro Torra an Di		٥	Frequency	y +
	upling DC In Auto	Freq Ref. Int (S)	Preamp Off	Gate Off IF Gain Low Sig Track Off	#Avg Type: Po Trig: Free Rur	wer (RMS 1 2 3 4 5 A A WWWWW A A A A A A A	Construction of the local division of the lo	Frequency 000000 GHz	Settings
Spectrum cale/Div 10 dB og	•		Ref LvI Offset 27 Ref Level 27.49 d	.49 dB	Mkr1	1.710 000 GHz -23.358 dBm	= Sv	10000 MHz vept Span ro Span	
7 5								Full Span	
40						RMS	Start Fr 1.7080	eq 100000 GHz	
2.5				1		DL 1 - 13.00 dBm	Stop Fi 1.7120	eq 00000 GHz	
2.5			1				Al	JTO TUNE	
2.5							CF Ste 400.00 AL	l0 kHz to	
12.6							Freq O 0 Hz		
enter 1.710000 G Res BW 430 kHz	Hz		#Video BW 1.3	MHz	#Swe	Span 4.000 MHz ep ~1.01 s (1001 pts)	X Axis Lo Li		LO
50		Mar 20, 2024 10:03:07 AM						-	

# NR66\_40 M\_Band Edge\_Low\_BPSK\_FullRB



Spectrum Analy Channel Power	rzer 1	+					Frequence	cy 🔹 👬	
KEYSIGHT	Input_RF Coupling_DG Align_Auto	Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq. 1 708 AvgiHold. 300/300 Radio Std. None	500000 GHz	Center Frequency 1.708500000 GHz	Settings	
i Graph Scale/Div 10.0	dB	THE Hupping	Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz		
-og							CF Step 400.000 kHz		
10.0							Auto Man		
10.0						RMS AVG	Freq Offset 0 Hz		
30.0						mand			
Center 1.70850 Res BW 39.000			Video BW 390.0	0 kHz*	Sweep 3	Span 4 MHz .20 ms (1001 pts)			
2 Metrics	*								
Total Channe	el Power	-25.25 dBm / 1.0	00 MHz						
Total Power	Spectral Densi	ty -85.25 c	JBm/Hz					Loca	
		Mar 20 2024							
		? Mar 20, 2024 10:03:16 AM	©						

#### NR66\_40 M\_Extended Band Edge\_Low\_BPSK\_FullRB



EYSIGHT	Input RF Coupling DC Align Auto	Input Z Corr CC Freq Re NFE: A	orr t Int (S)	#Atten: 20 di Preamp: Off	Gate IF Ga	Best Wide Off in: Low rack: Off	#Avg Type: F Thg: Free Ru	AW	3 4 <b>5</b> •		Frequency 10000 GHz	Settings
Spectrum cale/Div 10 d	8			Ref Lvi Offse Ref Level 27.	t 27.49 dB		Mkr	1 1.780 000	) GHz	Sw	0000 MHz ept Span o Span	
7.5			m						_	F	ull Span	
40 51			f							Start Fr 1.7780	eq 00000 GHz	
2.5		1						DL1-	13.00 dBm	Stop Fre 1.7820	eq 00000 GHz	
2.5		1			1					AU	TO TUNE	
2.5	1				1					CF Step 400.00		
2.5	$\sim$					(alman	which the second stated a			Aut Ma		
ε								Nitheland Market Willow	whill have be	Freq Of 0 Hz	set	
nter 1.78000 es BW 30 kH				#Video BW	1.0 MHz		#Sw	Span 4.0 veep ~1.01 s (10		X Axis S Lo Lin		Loc

# NR66\_40 M\_Band Edge\_High\_BPSK\_1RB



KEYSIGHT Input RF Coupling D Align Auto	Input Z: 50 Ω Corr CCorr Freq Ref- Int (S) NFE Adaptive	#Atten 20 dB Preamp Off	PNO Best Wide Gate Off IF Gain Low Sig Track Off	#Avg Type: Powe Thg: Free Run	AWWWWW AAAAAA	1.7800	Frequency 00000 GHz	y Settings
Spectrum  Cale/Div 10 dB		Ref LvI Offset 27 Ref Level 27.49 c		Mkr1 1	1.780 000 GHz -23.583 dBm	= Sw	0000 MHz ept Span o Span	
7.5						F	ull Span	
.51						Start Fr 1.7780	eq 00000 GHz	
2.5					E). 1 - 13.00 dBm	Stop Fr 1.7820	eq 00000 GHz	
2.5					RMS	AU	TO TUNE	
2.5						CF Step 400.00	0 kHz	
2.5						Au Ma		
2.6						Freq Of 0 Hz	lset	
nter 1.780000 GHz es BW 430 kHz		#Video BW 1.3	MHz	#Sweep	Span 4.000 MHz o ~1.01 s (1001 pts)	X Axis S Lo Lin		LO
うつ	<b>Mar 20, 2024</b> 10:05:10 AM	Ø						

#### NR66\_40 M\_Band Edge\_High\_BPSK\_FullRB



Spectrum Analy Channel Power		+					Frequenc	y • 🕄
EYSIGHT	Coupling DC Align Auto	Input Z 50 Ω Corr CCorr Freq Ret. Int (S) NFE Adaptive	Atten 20 dB Preamp Off #PNO Fast	Trig: Free Run Gate: Otf #IF Gain: Low	Center Freq. 1 7815 AvgiHold: 300/300 Radio Std: None	00000 GHz	Center Frequency 1.781500000 GHz	Settings
Graph cale/Div 10.0	*	THE MUSPINE	Ref LvI Offset 27 Ref Value 30.00				Span 4.0000 MHz	
og	dВ		Ref value 30.00	man (			CF Step 400.000 kHz	1
0.0							Auto Man	
10.0							Freq Offset 0 Hz	
0.0						RMS AVG		
50.0 50.0								
enter 1.78150 es BW 39.000			Video BW 390.0	0 kHz*	Sweep 3.2	Span 4 MHz 20 ms (1001 pts)		
Metrics								
Total Channe	el Power	-24.63 dBm / 1.0	00 MHz					Loca
Total Power	Spectral Densit	-84.63 c	Bm/Hz					LOCA
15		Mar 20, 2024 10:05:19 AM	Ø					

#### NR66\_40 M\_Extended Band Edge\_High\_BPSK\_FullRB



# **12. ANNEX A\_ TEST SETUP PHOTO**

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2405-FC016-P