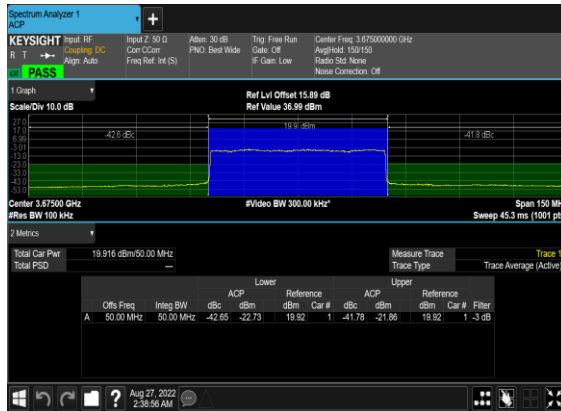
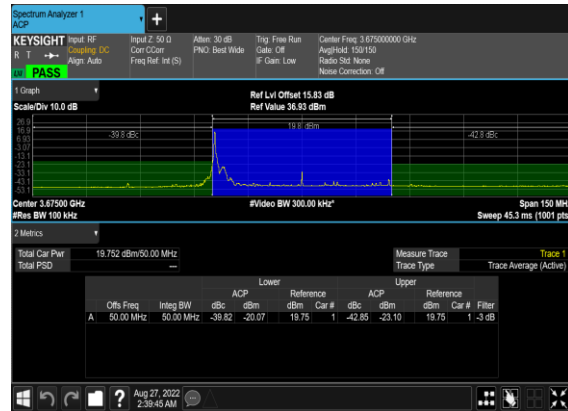


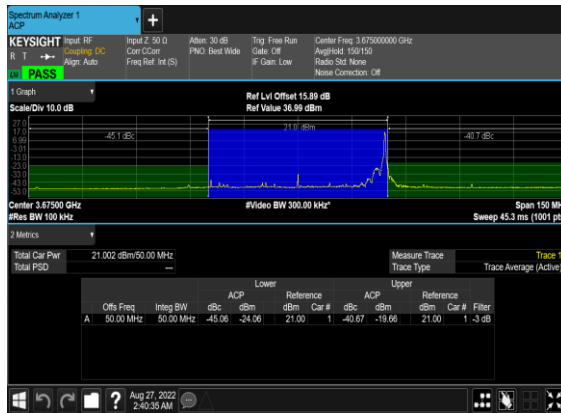
N48(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



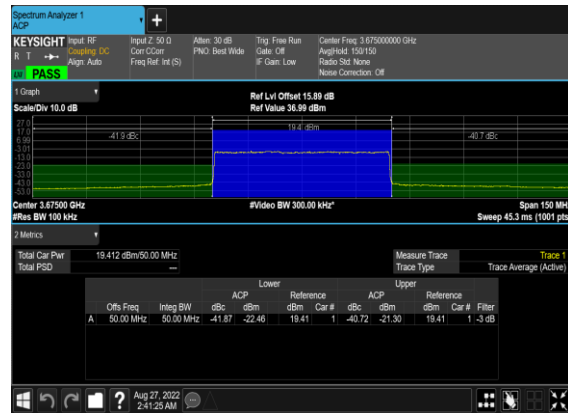
N48(50M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



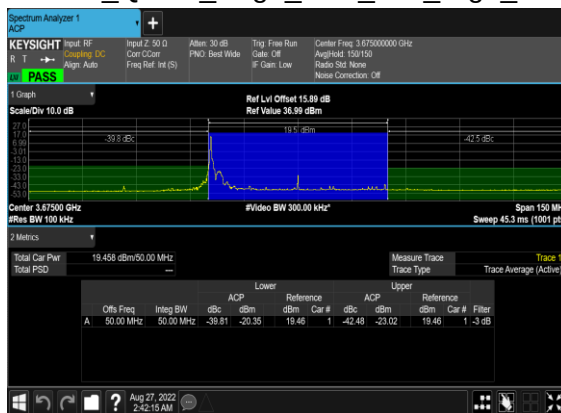
N48(50M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_High_CH



N48(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N48(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N48(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@51	see graph	---
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@51	see graph	---
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	50@0	see graph	---
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	50@0	see graph	---
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	---

48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	1@51	see graph	---
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@51	see graph	---
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	---
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	---
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	1@51	see graph	---
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@51	see graph	---

48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	50@0	see graph	---
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	50@0	see graph	---
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	1@105	see graph	---
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@105	see graph	---
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	100@0	see graph	---
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	100@0	see graph	---

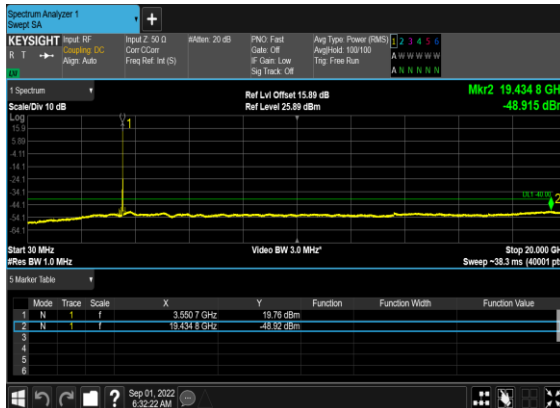
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	1@105	see graph	---
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@105	see graph	---
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	100@0	see graph	---
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	see graph	---
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	---

48	15	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	1@105	see graph	---
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	1@105	see graph	---
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	100@0	see graph	---
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	100@0	see graph	---
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	1@269	see graph	---
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	1@269	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	1@269	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	1@269	see graph	---

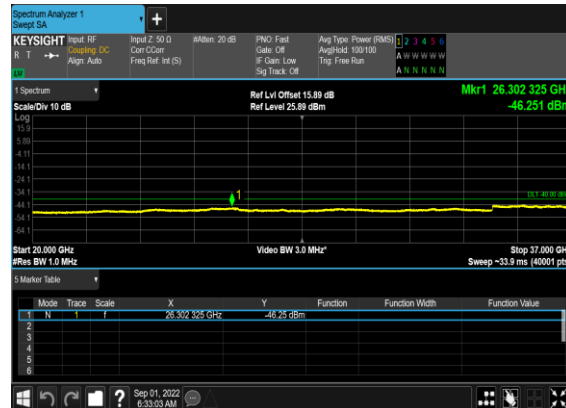
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	1@269	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	1@269	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	270@0	see graph	---
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	270@0	see graph	---
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
48	15	50	638334	3575.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	50	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	1@269	see graph	---
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	1@269	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	1@269	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM QPSK	1@269	see graph	---
48	15	50	641666	3624.99	DFT-s-OFDM QPSK	1@269	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM QPSK	1@269	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	270@0	see graph	---
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	270@0	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM BPSK	270@0	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM QPSK	270@0	see graph	---

48	15	50	641666	3624.99	DFT-s-OFDM QPSK	270@0	see graph	PASS
48	15	50	641666	3624.99	DFT-s-OFDM QPSK	270@0	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	1@269	see graph	---
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	1@269	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	1@269	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	1@269	see graph	---
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	1@269	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	1@269	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	270@0	see graph	---
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	270@0	see graph	---
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
48	15	50	645000	3675.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

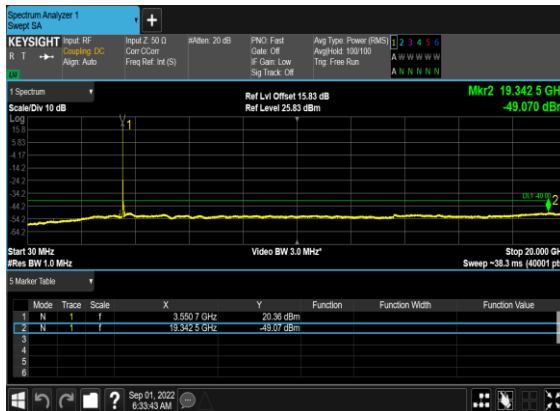
N48(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



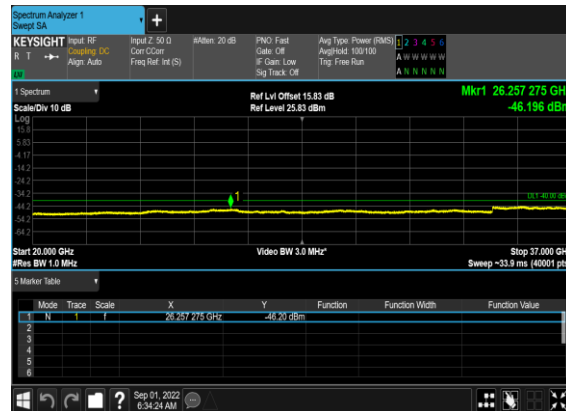
N48(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N48(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



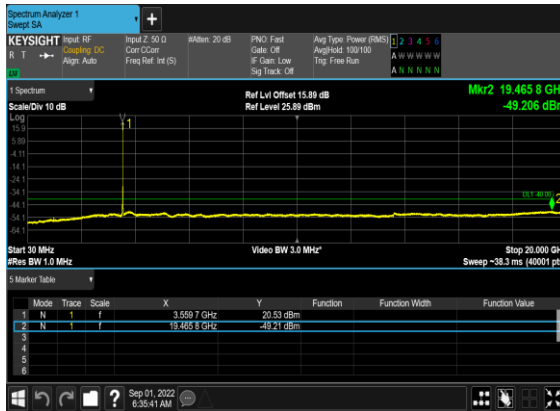
N48(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Low_CH



N48(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Low_CH



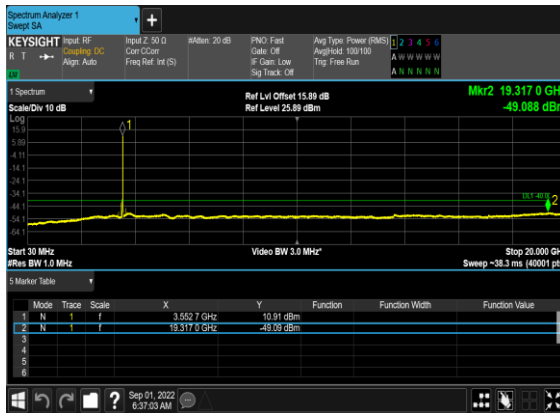
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OFDM_QPSK_Edge_1RB_Right_Low_CH



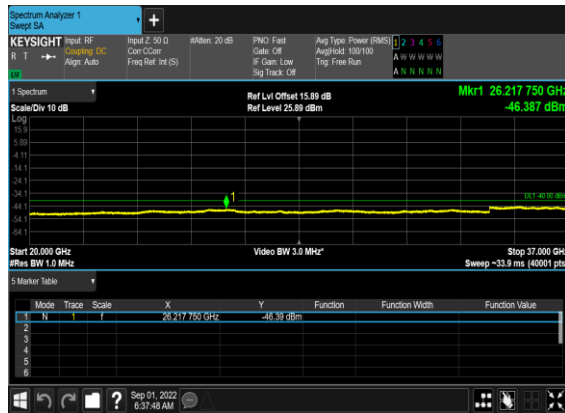
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OFDM_QPSK_Edge_1RB_Right_Low_CH



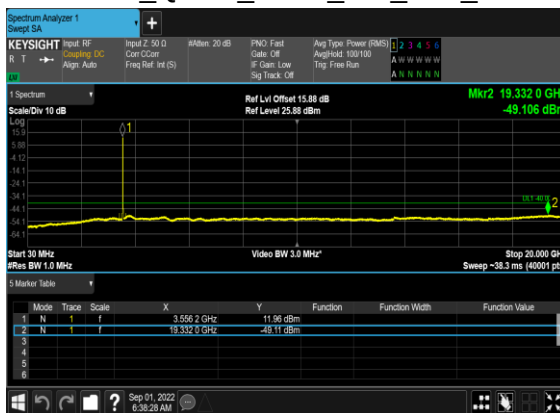
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OFDM_BPSK_Outer_Full_Low_CH



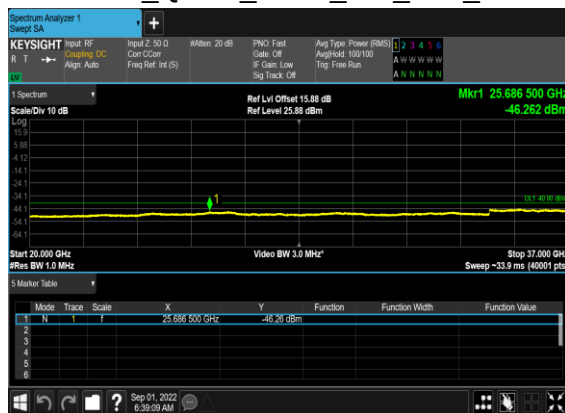
N48(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N48(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N48(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



Keysight Spectrum Analyzer 1
Sweep SA

KEYSIGHT
R T → Input RF
Coupling DC
Align Auto

Input Z: 50 Ω
Cort CCor
Freq Ref: Int (S)

dBm: 20 dB

PHO Fast
Gate Off
S Gain Low
Sig Track Off

Avg Type Power (RMS)
Avehold: 100/100
Trig: Free Run

1 2 3 4 5 6
A W W W W W
A N N N N N

1 Spectrum
Scale/Div 10 dB
Log
15.0
10.0
5.0
0.0
-5.0
-10.0
-15.0
-20.0
-25.0
-30.0
-35.0
-40.0
-45.0

Ref Lvl Offset 15.00 dBm
Ref Level 25.00 dBm

Mmr2 19.413 4 GHz
-49.042 dBm

Start 30 MHz
#Res BW 1.0 MHz

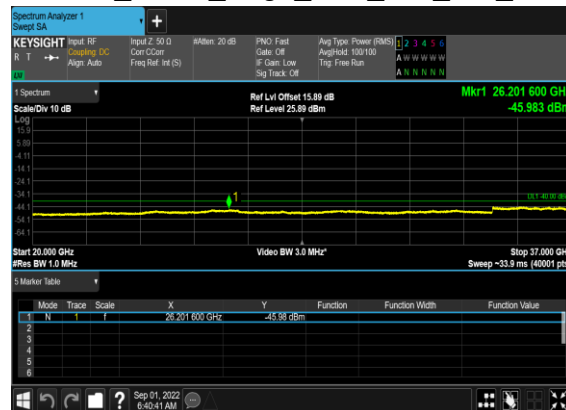
Video BW 3.0 MHz

Stop 2000 GHz
Sweep ~38.3 ms (400001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	f	3.020 6 GHz	20.20 dBm			
2	N	f	19.413 4 GHz	-49.042 dBm			
3							
4							
5							
6							

Sep 01, 2022
6:39:59 AM



Keysight Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF
R T → Locking DC
Align Auto

Input Z: 50.0
Cort COC
Freq Ref: Int (S)

dBm: 20 dB

PHNO Fast
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Power (RMS)
Aver442: 100/100
Trip: Free Run

1 2 3 4 5 6
A W W W W W
A N N N N N

1 Spectrum
Scale/Div 10 dB
Log
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
-7.0
-8.0
-9.0
-10.0

Ref Lvl Offset: 15.89 dBm
Ref Level 25.89 dBm

Mmr2: 19.463 GHz
-48.849 dBm

Start 30 MHz
#Res BW 1.0 MHz

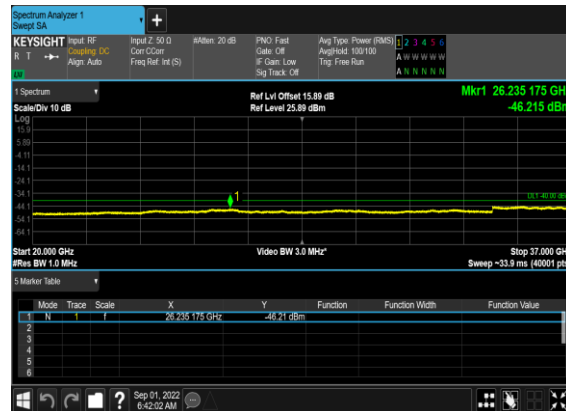
Video BW 3.0 MHz

Stop 20.0 GHz
Sweep ~38.3 ms (40001 pt)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	16.62 dBm			
2	N	1	f	-48.85 dBm			
3							
4							
5							
6							

Sep 01, 2022
6:41:21 AM

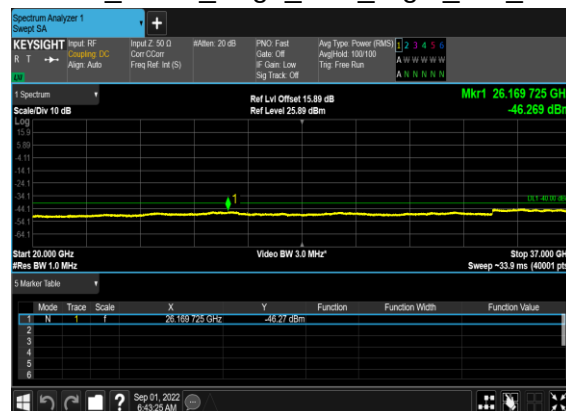


Keysight Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: **RF** | Creating DC: **DC** | Auto: **Auto**
R T →

Input Z: 50 Ω | Corr Cor: **Off** | Int (S): **dBm** | Att: 20 dB | PNO: Fast | Gate: **Off** | Avg Type: Power (RMS) | [1] 2 3 4 5 6
F: Gain: Low | Arith: Hold: 100/100 | A W W W W W
Sig Track: Off | Trig: Free Run | A N N N N N

1 Spectrum
Scale/Div 10 dB
Log
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Keysight Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF Input 2: 50 Ω PkAzm: 20 dB PkC Fast Avg Type: Power (RMS) 1 2 3 4 5 6
R T → Coupling DC Corr: CCor Freq Ref: Int (S) Gate: Off Arisghd: 100/100 A W W W W W
Align: Auto Freq Ref: Int (S) IF Gain: Low Trig: Free Run A N N N N N

1 Spectrum
Scale/Div 10 dB
Log
15.0
14.0
13.0
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Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF Coupling: DC Align: Auto

Input Z: 50 Ω Corr: CCarr Freq Ref: Int (S) #Att: 20 dB PNC: Fast Gate: Off S: Gain: Low Sig Track: Off Avg Type: Power (RMS) AvgRead: 100/100 Trg: Free Run

1 2 3 4 5 6
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1 Spectrum Scale/Div 10 dB Log Log (15.0) (8.0) (11.1) (14.1) (17.1) (20.1) (23.1) (26.1) (29.1) (32.1) (35.1) (38.1) (41.1) (44.1) (47.1) (50.1) (53.1) (56.1) (59.1) (62.1) (65.1) (68.1) (71.1) (74.1) (77.1) (80.1) (83.1) (86.1) (89.1) (92.1) (95.1) (98.1) (101.1) (104.1) (107.1) (110.1) (113.1) (116.1) (119.1) (122.1) (125.1) (128.1) (131.1) (134.1) (137.1) (140.1) (143.1) (146.1) (149.1) (152.1) (155.1) (158.1) (161.1) (164.1) (167.1) (170.1) (173.1) (176.1) (179.1) (182.1) (185.1) (188.1) (191.1) (194.1) (197.1) (200.1) (203.1) (206.1) (209.1) (212.1) (215.1) (218.1) (221.1) (224.1) (227.1) (230.1) (233.1) (236.1) (239.1) (242.1) (245.1) (248.1) (251.1) (254.1) (257.1) (260.1) (263.1) (266.1) (269.1) (272.1) (275.1) (278.1) (281.1) (284.1) (287.1) (290.1) (293.1) (296.1) (299.1) (302.1) (305.1) (308.1) (311.1) (314.1) (317.1) (320.1) (323.1) (326.1) (329.1) (332.1) (335.1) (338.1) (341.1) (344.1) (347.1) (350.1) (353.1) (356.1) (359.1) (362.1) (365.1) (368.1) (371.1) (374.1) (377.1) (380.1) (383.1) (386.1) (389.1) (392.1) (395.1) (398.1) (401.1) (404.1) (407.1) (410.1) (413.1) (416.1) (419.1) (422.1) (425.1) (428.1) (431.1) (434.1) (437.1) (440.1) (443.1) (446.1) (449.1) (452.1) (455.1) (458.1) (461.1) (464.1) (467.1) (470.1) (473.1) (476.1) (479.1) (482.1) (485.1) (488.1) (491.1) (494.1) (497.1) (500.1) (503.1) (506.1) (509.1) (512.1) (515.1) (518.1) (521.1) (524.1) (527.1) (530.1) (533.1) (536.1) (539.1) (542.1) (545.1) (548.1) (551.1) (554.1) (557.1) (560.1) (563.1) (566.1) (569.1) (572.1) (575.1) (578.1) (581.1) (584.1) (587.1) (590.1) (593.1) (596.1) (599.1) (602.1) (605.1) (608.1) (611.1) (614.1) (617.1) (620.1) (623.1) (626.1) (629.1) (632.1) (635.1) (638.1) (641.1) (644.1) (647.1) (650.1) (653.1) (656.1) (659.1) (662.1) (665.1) (668.1) (671.1) (674.1) (677.1) (680.1) (683.1) (686.1) (689.1) (692.1) (695.1) (698.1) (701.1) (704.1) (707.1) (710.1) (713.1) (716.1) (719.1) (722.1) (725.1) (728.1) (731.1) (734.1) (737.1) (740.1) (743.1) (746.1) (749.1) (752.1) (755.1) (758.1) (761.1) (764.1) (767.1) (770.1) (773.1) (776.1) (779.1) (782.1) (785.1) (788.1) (791.1) (794.1) (797.1) (800.1) (803.1) (806.1) (809.1) (812.1) (815.1) (818.1) (821.1) (824.1) (827.1) (830.1) (833.1) (836.1) (839.1) (842.1) (845.1) (848.1) (851.1) (854.1) (857.1) (860.1) (863.1) (866.1) (869.1) (872.1) (875.1) (878.1) (881.1) (884.1) (887.1) (890.1) (893.1) (896.1) (899.1) (902.1) (905.1) (908.1) (911.1) (914.1) (917.1) (920.1) (923.1) (926.1) (929.1) (932.1) (935.1) (938.1) (941.1) (944.1) (947.1) (950.1) (953.1) (956.1) (959.1) (962.1) (965.1) (968.1) (971.1) (974.1) (977.1) (980.1) (983.1) (986.1) (989.1) (992.1) (995.1) (998.1) (1001.1) (1004.1) (1007.1) (1010.1) (1013.1) (1016.1) (1019.1) (1022.1) (1025.1) (1028.1) (1031.1) (1034.1) (1037.1) (1040.1) (1043.1) (1046.1) (1049.1) (1052.1) (1055.1) (1058.1) (1061.1) (1064.1) (1067.1) (1070.1) (1073.1) (1076.1) (1079.1) (1082.1) (1085.1) (1088.1) (1091.1) (1094.1) (1097.1) (1100.1) (1103.1) (1106.1) (1109.1) (1112.1) (1115.1) (1118.1) (1121.1) (1124.1) (1127.1) (1130.1) (1133.1) (1136.1) (1139.1) (1142.1) (1145.1) (1148.1) (1151.1) (1154.1) (1157.1) (1160.1) (1163.1) (1166.1) (1169.1) (1172.1) (1175.1) (1178.1) (1181.1) (1184.1) (1187.1) (1190.1) (1193.1) (1196.1) (1199.1) (1202.1) (1205.1) (1208.1) (1211.1) (1214.1) (1217.1) (1220.1) (1223.1) (1226.1) (1229.1) (1232.1) (1235.1) (1238.1) (1241.1) (1244.1) (1247.1) (1250.1) (1253.1) (1256.1) (1259.1) (1262.1) (1265.1) (1268.1) (1271.1) (1274.1) (1277.1) (1280.1) (1283.1) (1286.1) (1289.1) (1292.1) (1295.1) (1298.1) (1301.1) (1304.1) (1307.1) (1310.1) (1313.1) (1316.1) (1319.1) (1322.1) (1325.1) (1328.1) (1331.1) (1334.1) (1337.1) (1340.1) (1343.1) (1346.1) (1349.1) (1352.1) (1355.1) (1358.1) (1361.1) (1364.1) (1367.1) (1370.1) (1373.1) (1376.1) (1379.1) (1382.1) (1385.1) (1388.1) (1391.1) (1394.1) (1397.1) (1400.1) (1403.1) (1406.1) (1409.1) (1412.1) (1415.1) (1418.1) (1421.1) (1424.1) (1427.1) (1430.1) (1433.1) (1436.1) (1439.1) (1442.1) (1445.1) (1448.1) (1451.1) (1454.1) (1457.1) (1460.1) (1463.1) (1466.1) (1469.1) (1472.1) (1475.1) (1478.1) (1481.1) (1484.1) (1487.1) (1490.1) (1493.1) (1496.1) (1499.1) (1502.1) (1505.1) (1508.1) (1511.1) (1514.1) (1517.1) (1520.1) (1523.1) (1526.1) (1529.1) (1532.1) (1535.1) (1538.1) (1541.1) (1544.1) (1547.1) (1550.1) (1553.1) (1556.1) (1559.1) (1562.1) (1565.1) (1568.1) (1571

Spectrum Analyzer 1
Sweep SA

KEYSTONE Input RF
 R T → Locking DC
 Align Auto

Input Z: 50 Ω
 Corr Coef
 Freq Ref: Int (S)

#Att: 20 dB

PHO Fast
 Gate: Off
 F: Gain Low
 Sig Track: Off

Avg Type: Power (RMS)
 Averages: 100/100
 Trig: Free Run

1 2 3 4 5 6
 A W W W W W
 A N N N N N

1 Spectrum
 Scale/Div 10 dB
 Log
 10.0
 9.0
 8.0
 7.0
 6.0
 5.0
 4.0
 3.0
 2.0
 1.0
 0.1
 0.01
 0.001

Ref Level 25.89 dBm
 Ref Lvl Offset: 15.89 dB

Mkr2: 3.746 GHz
 -47.59 dBm

Start 30 MHz
 #Res BW 1.0 MHz

Video BW 3.0 MHz

Stop 200 GHz
 Sweep -38.3 ms (40001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	3.627 1 GHz	10.47 dBm			
2	N	1	3.746 9 GHz	-47.54 dBm			
3							
4							
5							
6							

Sep 01, 2022
 8:39:09 AM

Keysight Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF
 R T $\leftrightarrow$ **Channeling** DC
 Auto Auto

Input Z: 50 Ω
 Corr: CoCorr
 Freq Ref: int (S)

AttN: 20 dB

PN1: Fast
 Gate: Off
 R: Span: Low
 Sig Track: Off

Avg Type: Power (RMS)
 Averaged: 100/100
 Trig: Free Run

1 2 3 4 5 6
 A W W W W W
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1 Spectrum
 Scale/Div 10 dB
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Keysight Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: **RF** | Input 2: **50.0** | Attenu: **20.0** dB | PNO: **Fast** | Avg Type: **Power (RMS)**
 R T → | Coupling: **DC** | Corr: **C-Corr** | Freq Ref: **Int (S)** | S: **Gain: Low** | S: **Gain: Low** | Trig: **Free Run**
 Align: **Auto** | [1] 2 3 4 5 6 | A W W W W W | A N N N N N

1 Spectrum
 Scale/Div: **10.0** dB
 Log
 Ref Lvl Offset: **15.00** dB
 Ref Level: **23.00** dBm
 Mmr2: **19.3675 GHz**
-49.133 dBm

Start: **30 MHz** | Video BW: **3.0 MHz** | Stop: **20.0 GHz**
 #Res: **BW 1.0 MHz** | Sweep: **~38.3 ms (400001 pts)**

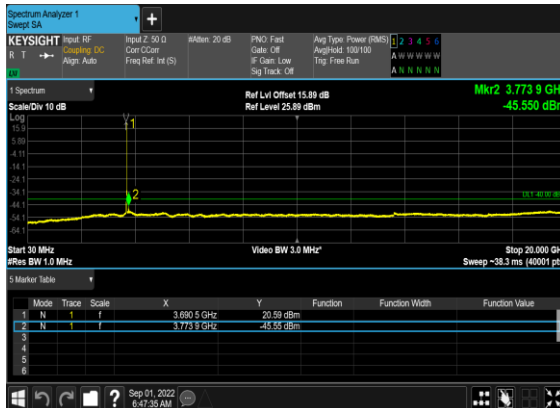
5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	10.53 dBm			
2	N	1	f	-49.13 dBm			
3							
4							
5							
6							

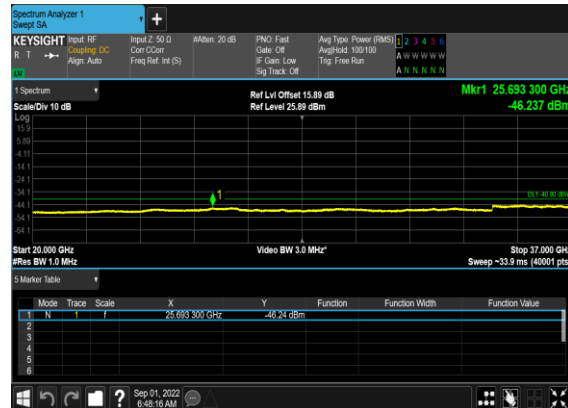
The screenshot displays a Spectrum Analyzer interface. At the top, the title bar reads "Spectrum Analyzer 1" and "Setup SA". Below this, the "KEYSIGHT" logo is visible. The main display area shows a spectrum plot with a yellow trace. The plot is centered at 26.245 GHz, with a span of 37.000 GHz. The vertical axis represents power level in dBm, ranging from -100 to 10. The trace shows a signal at -46.16 dBm. The plot is labeled "Mkr1 26.245 375 GHz" and "-46.163 dBm". The plot also shows "Ref Lvl Offset: 15.83 dBm" and "Ref Level: 25.83 dBm". The plot is labeled "Video BW 1.0 MHz" and "Sweep: ~33.9 ms (40001 pts)". The plot is labeled "Start 20.000 GHz" and "Res BW 1.0 MHz". The plot is labeled "Marker Table" and "Marker 1".

Input RF: 26.245 GHz
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 Input 165: 26.245 GHz
 Input 166: 26.245 GHz
 Input 167: 26.245 GHz
 Input 168: 26.245 GHz
 Input 169: 26.245 GHz
 Input 170: 26.245 GHz
 Input 171: 26.245 GHz
 Input 172: 26.245 GHz
 Input 173: 26.245 GHz
 Input 174: 26.245 GHz
 Input 175: 26.245 GHz
 Input 176: 26.245 GHz
 Input 177: 26.245 GHz
 Input 178: 26.245 GHz
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 Input 187: 26.245 GHz
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 Input 200: 26.245 GHz
 Input 201: 26.245 GHz
 Input 202: 26.245 GHz
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 Input 208: 26.245 GHz
 Input 209: 26.245 GHz
 Input 210: 26.245 GHz
 Input 211: 26.245 GHz
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 Input 215: 26.245 GHz
 Input 216: 26.245 GHz
 Input 217: 26.245 GHz
 Input 2

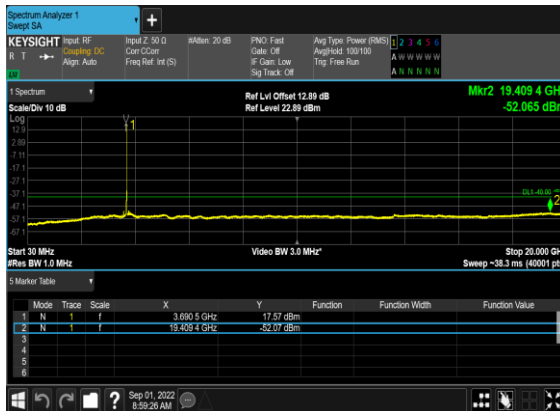
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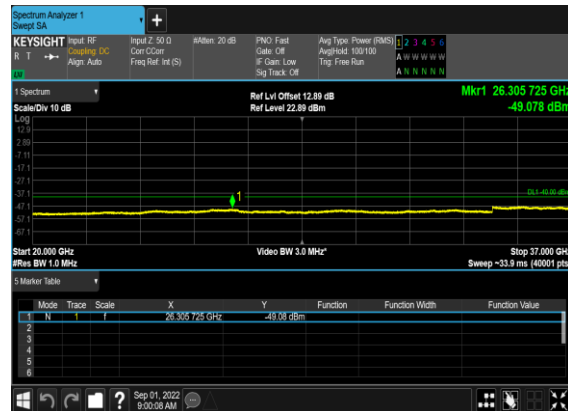
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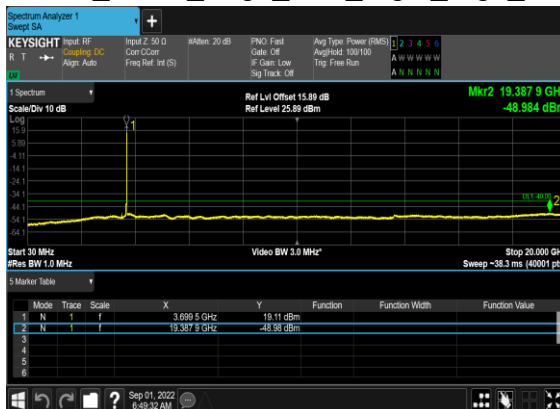
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N48(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



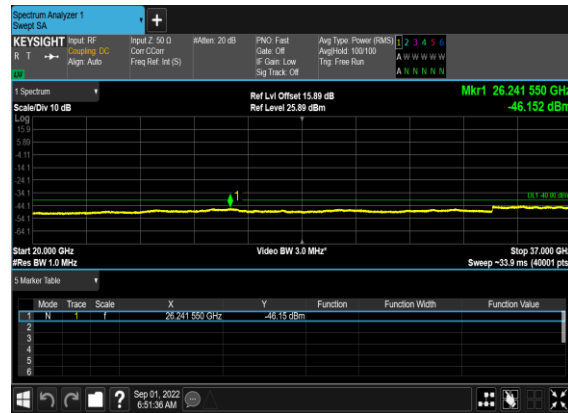
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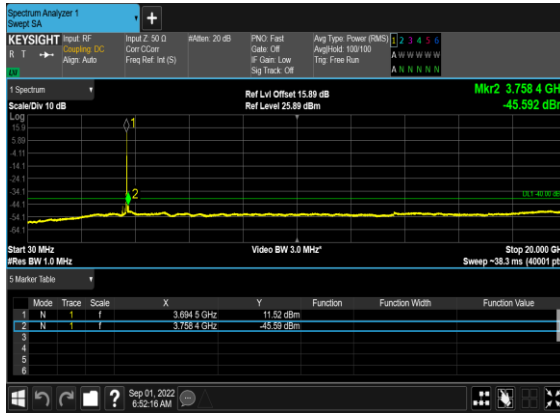
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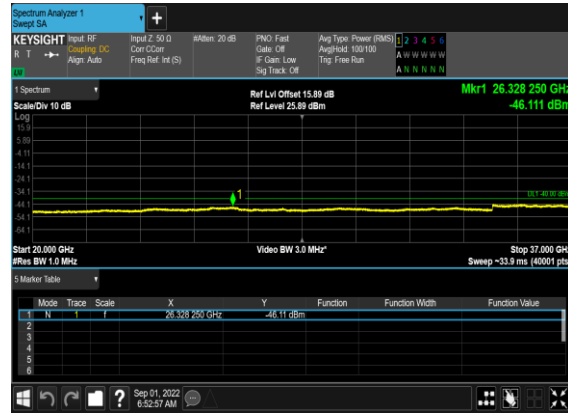
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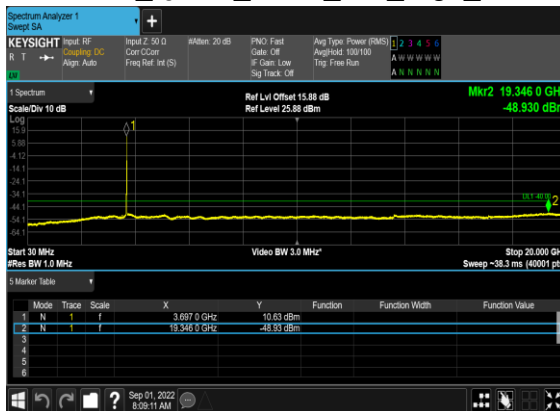
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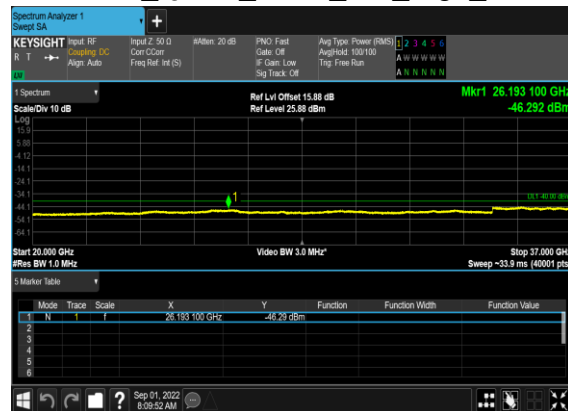
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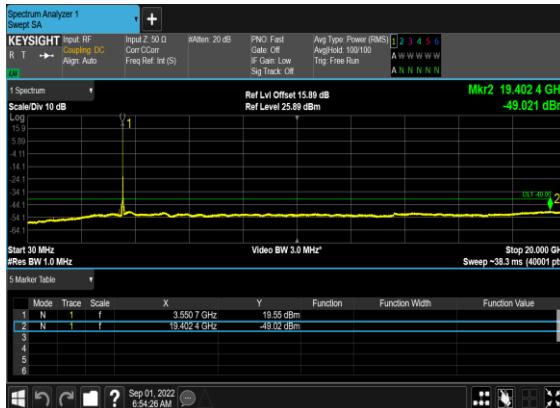
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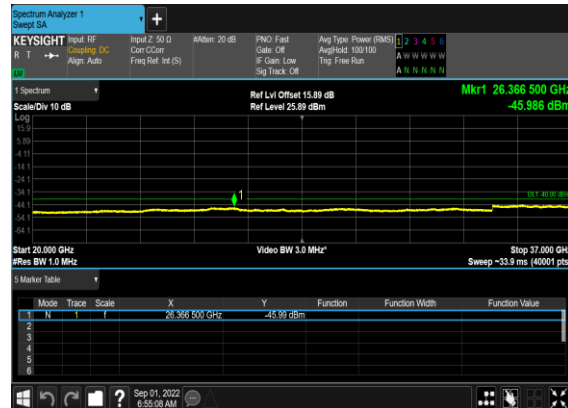
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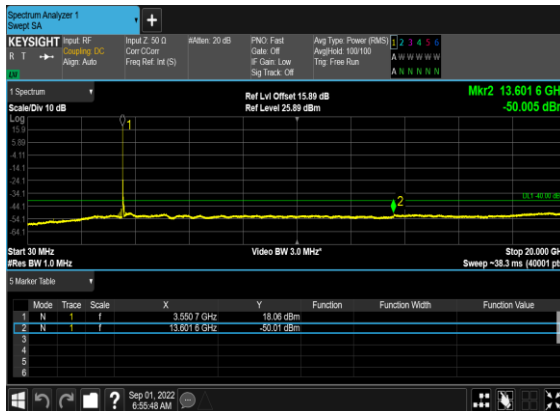
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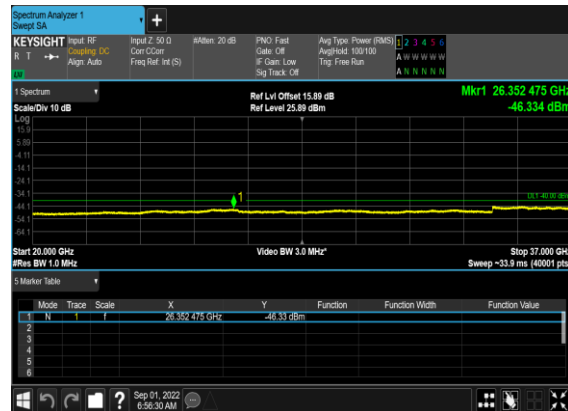
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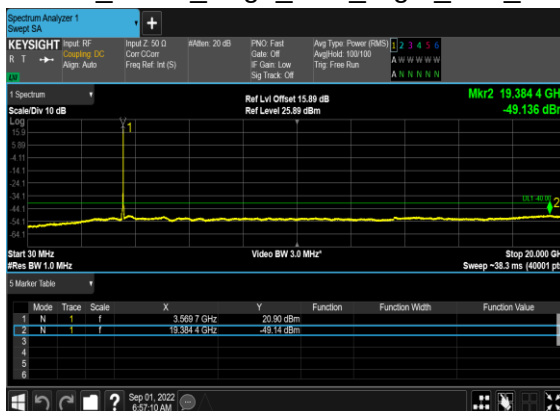
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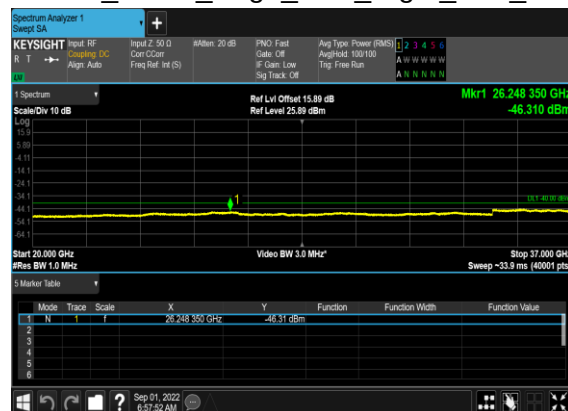
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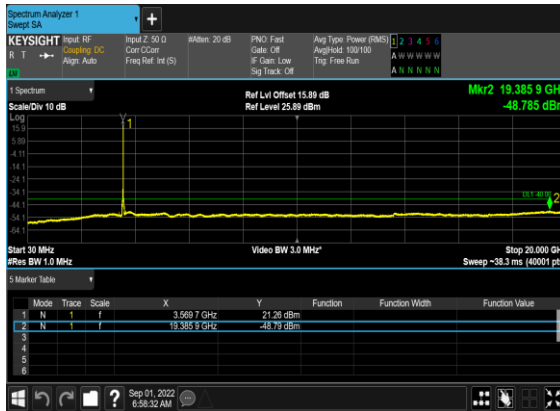
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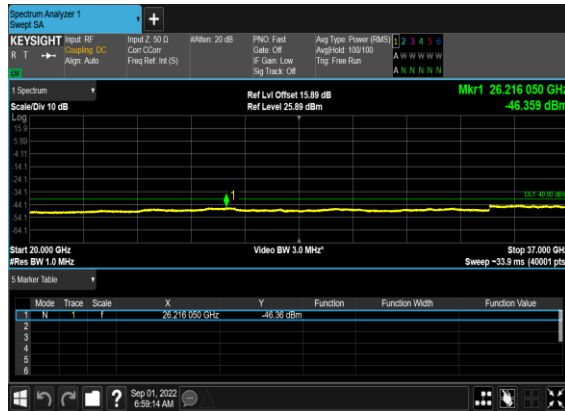
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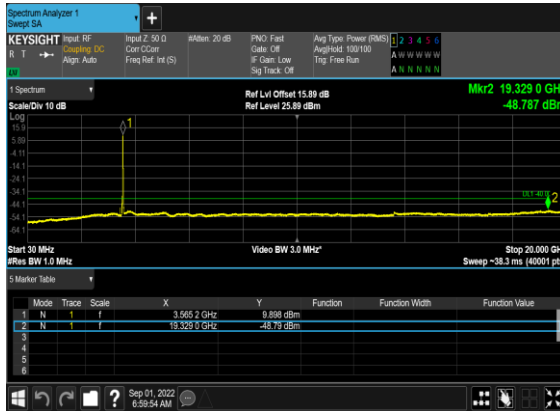
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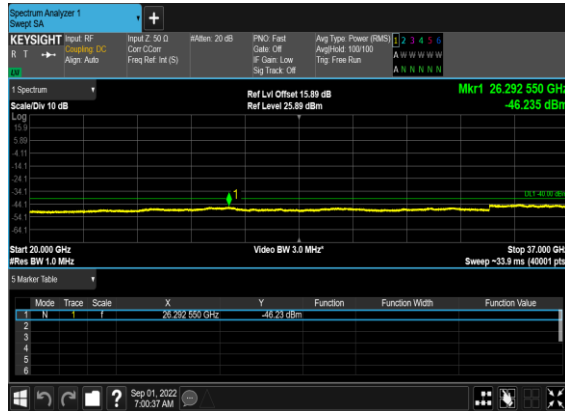
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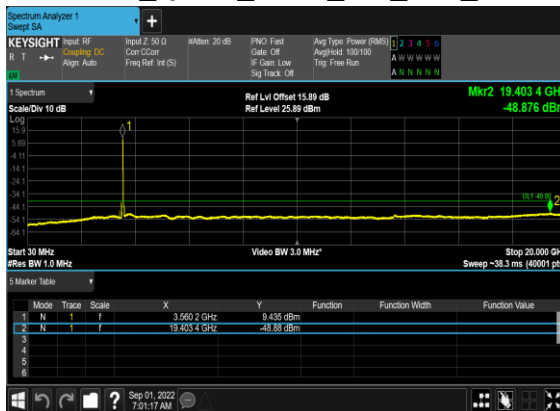
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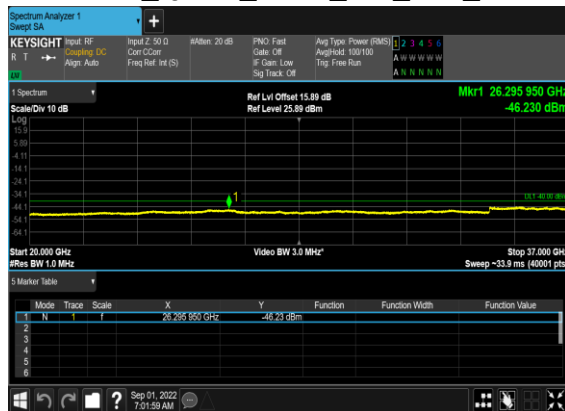
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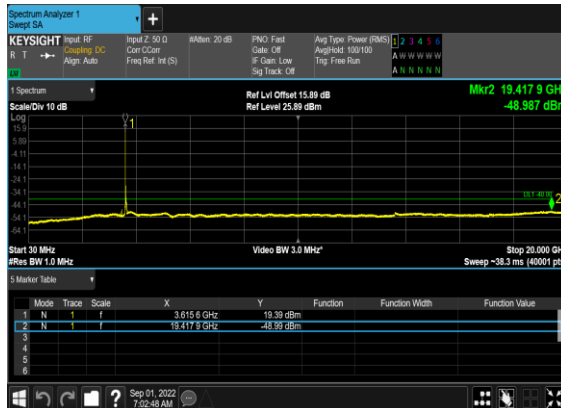
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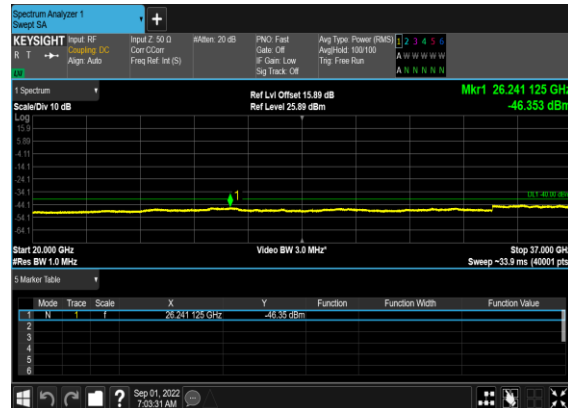
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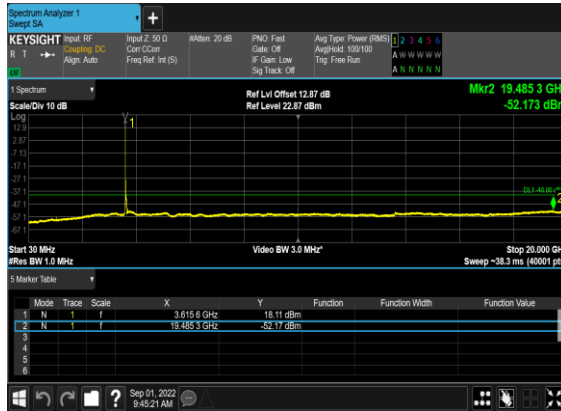
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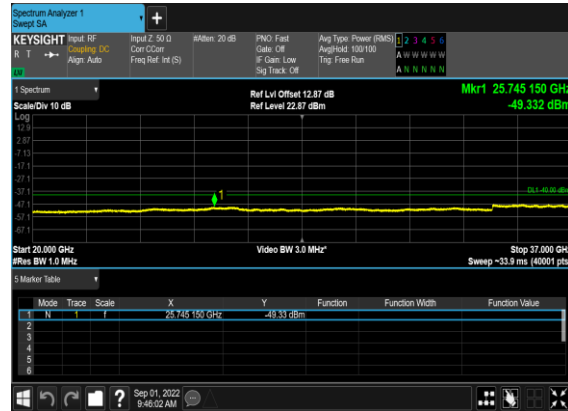
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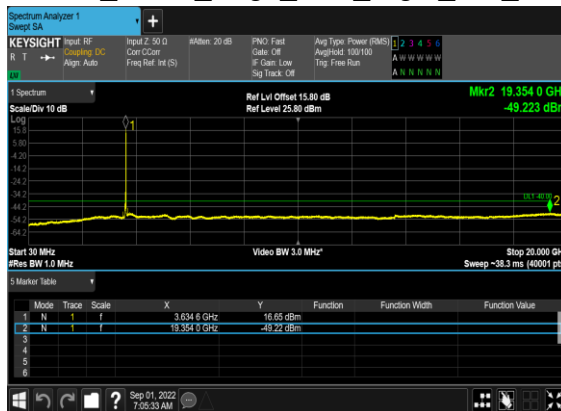
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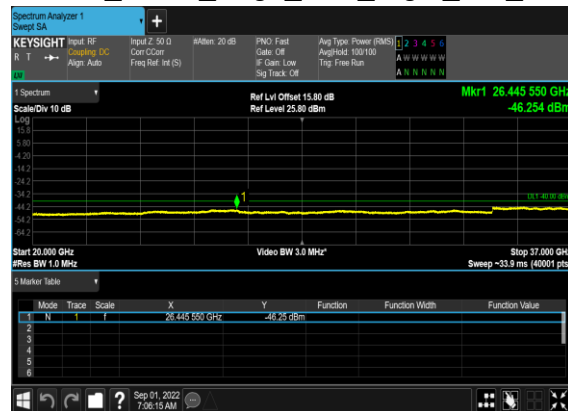
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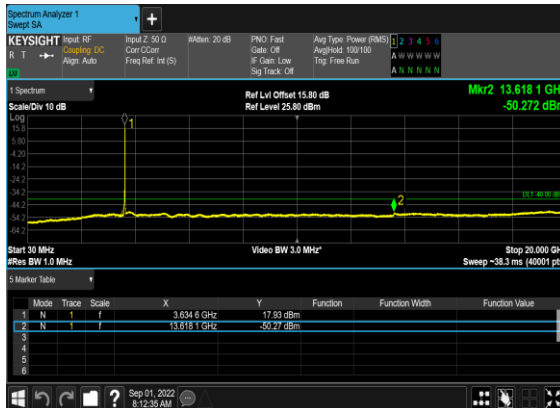
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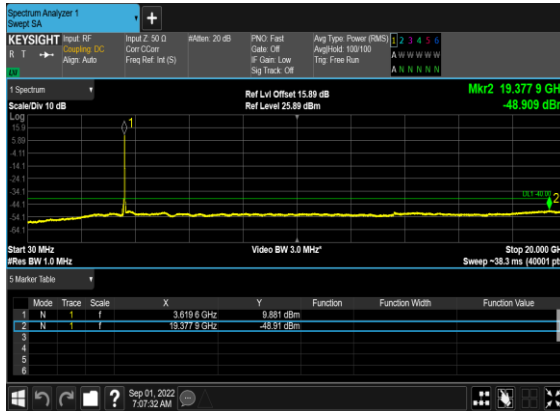
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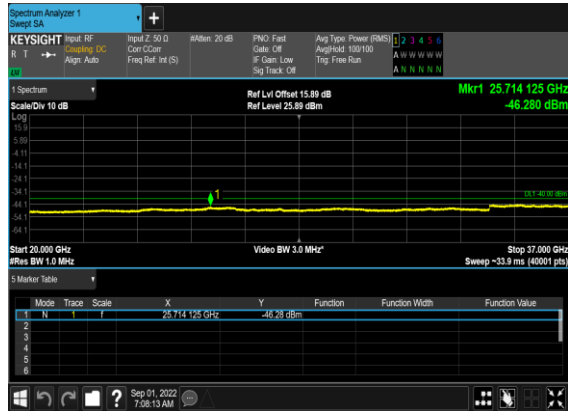
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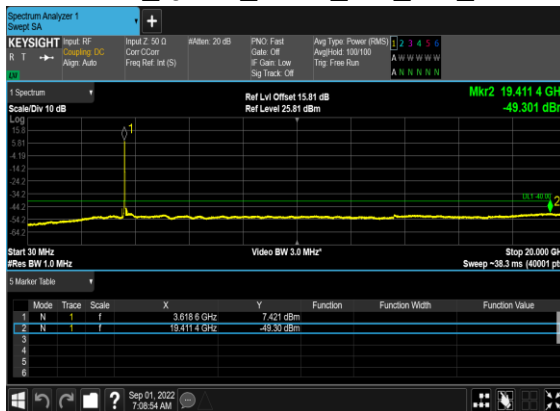
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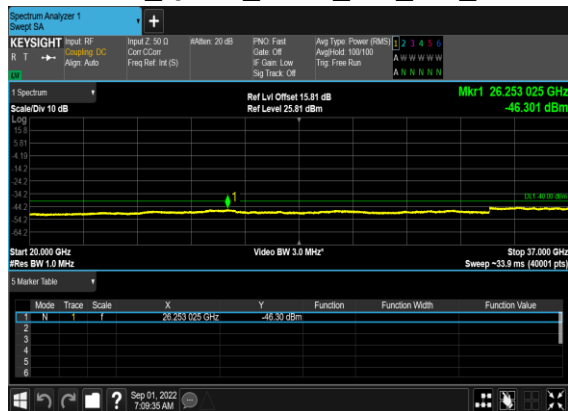
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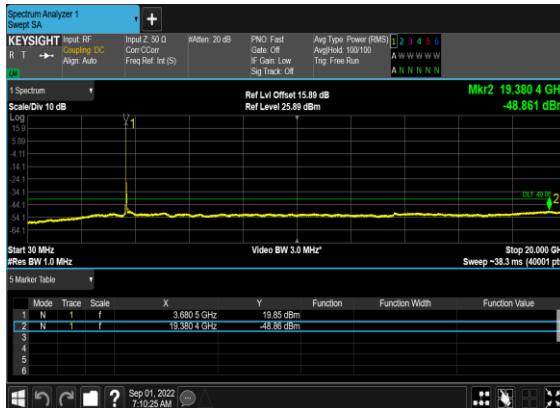
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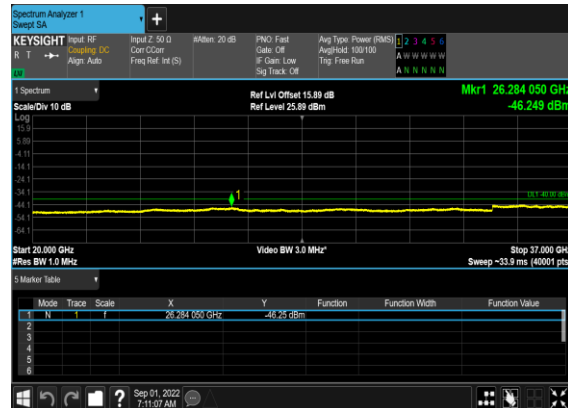
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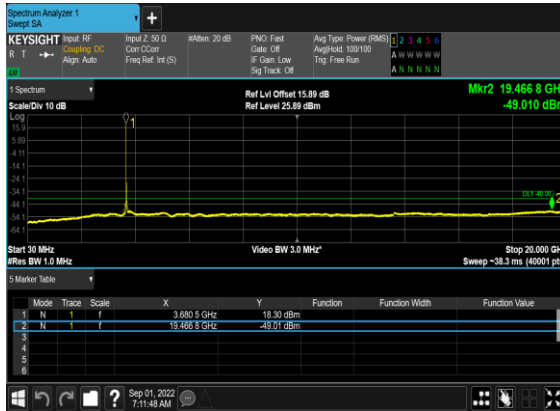
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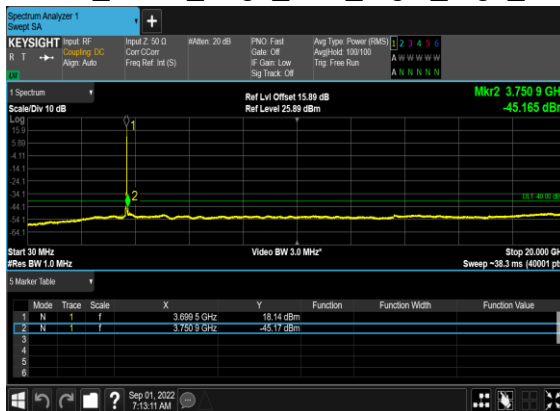
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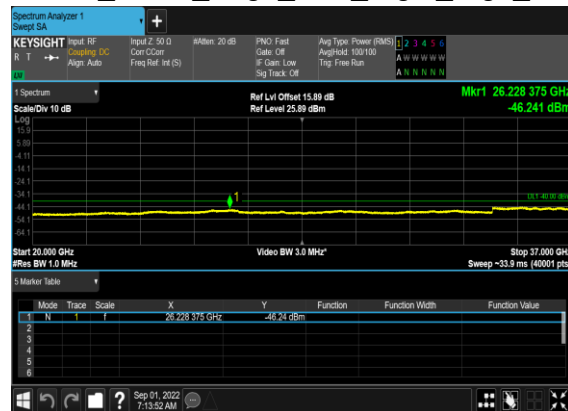
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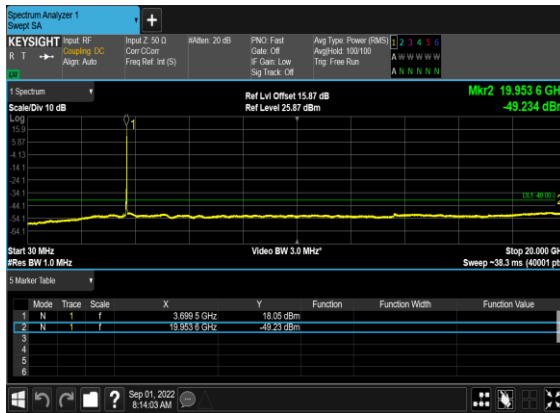
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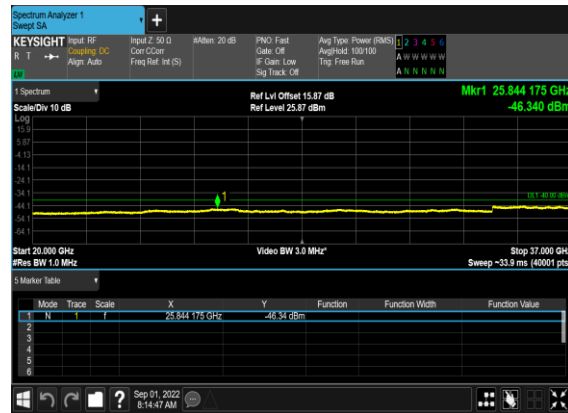
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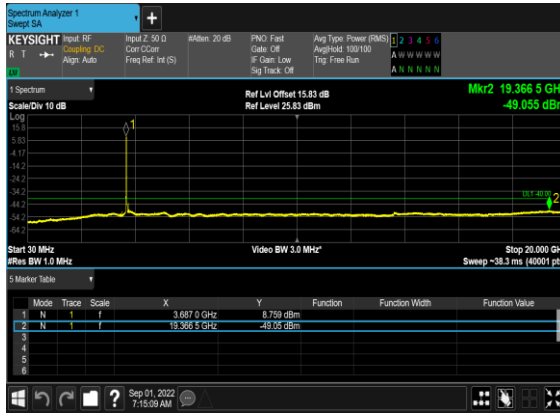
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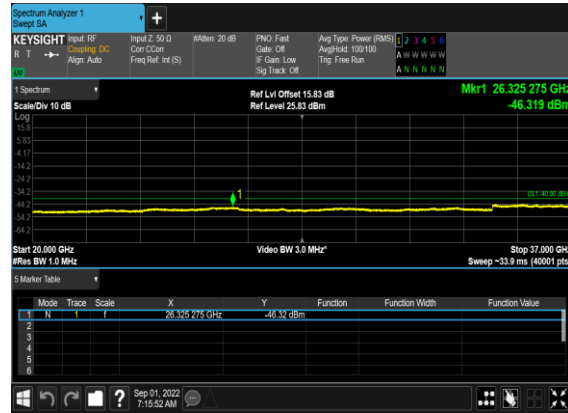
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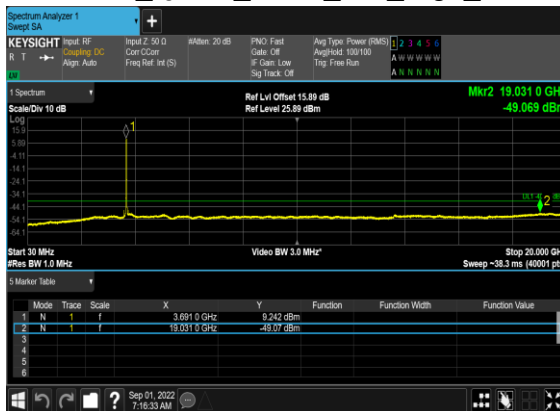
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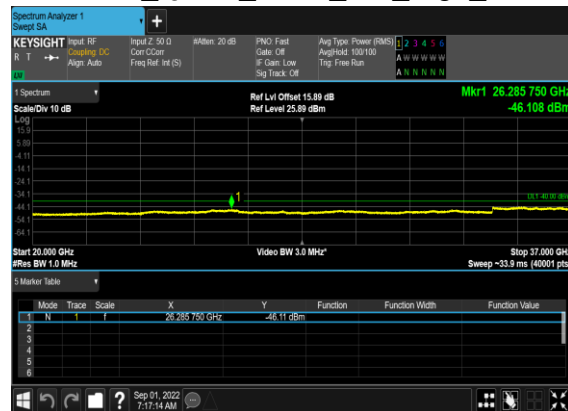
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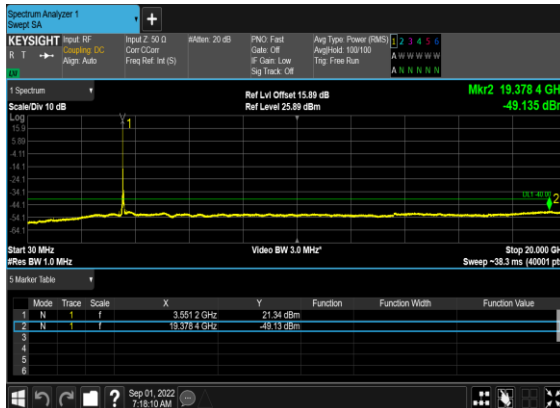
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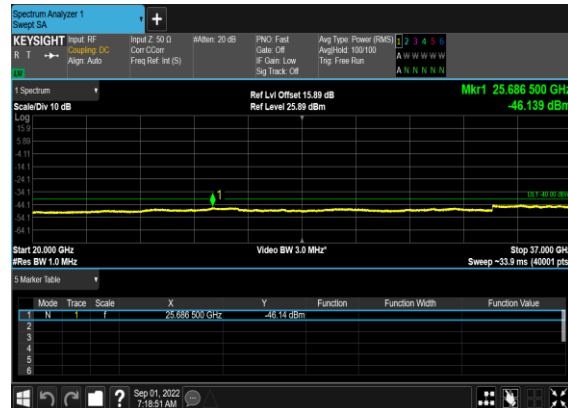
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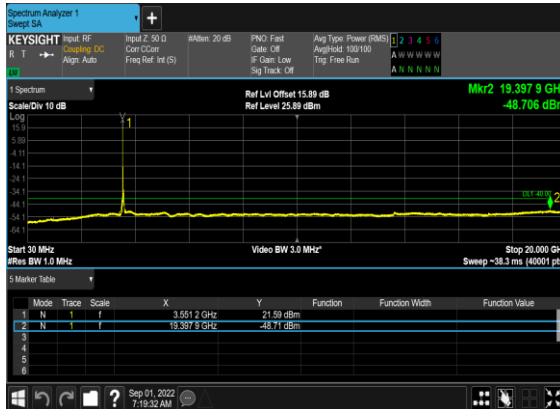
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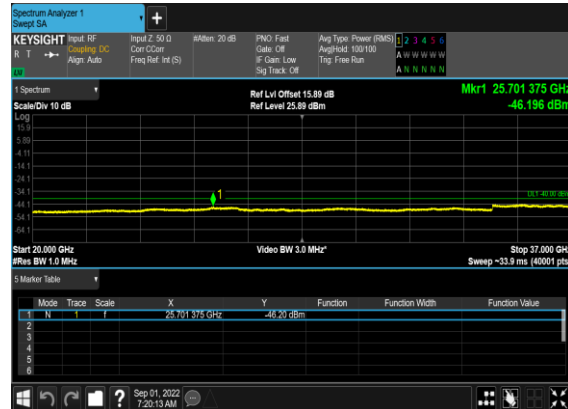
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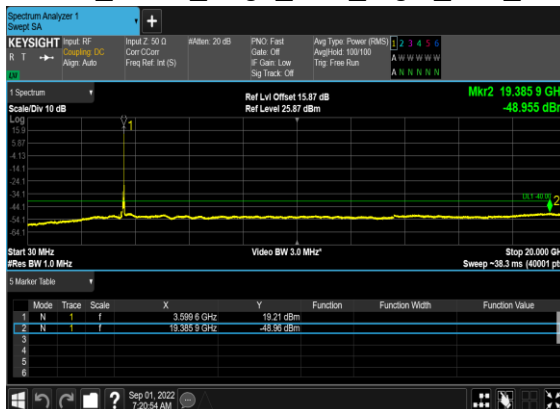
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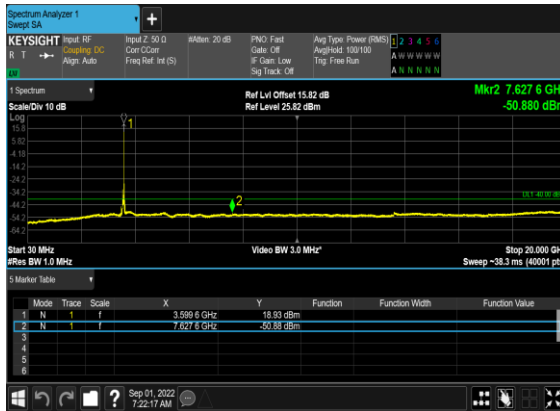
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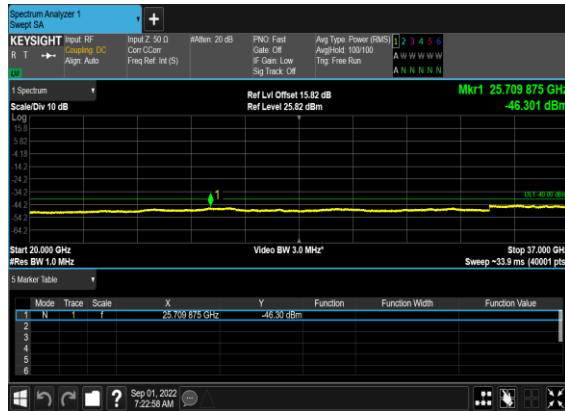
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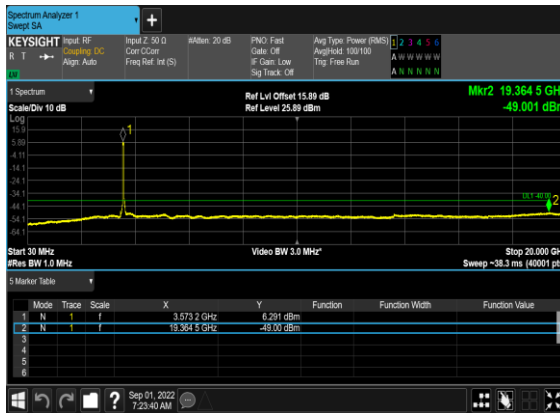
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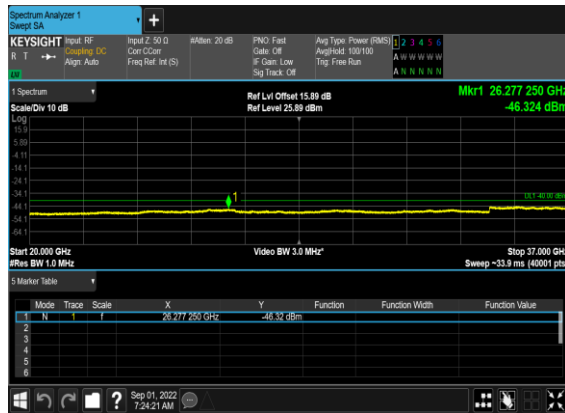
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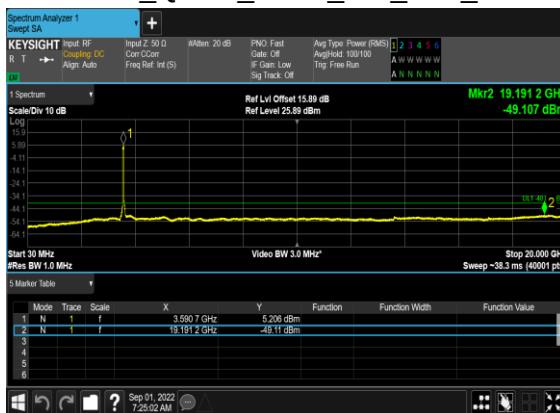
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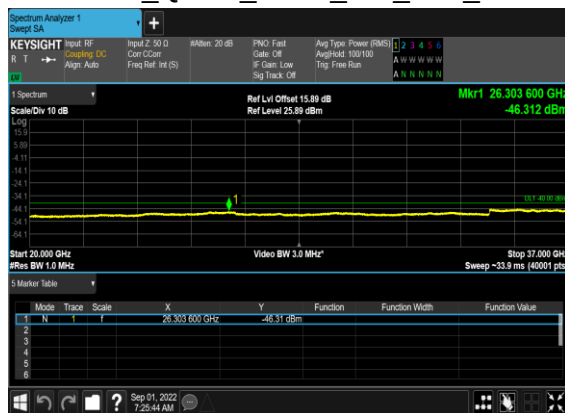
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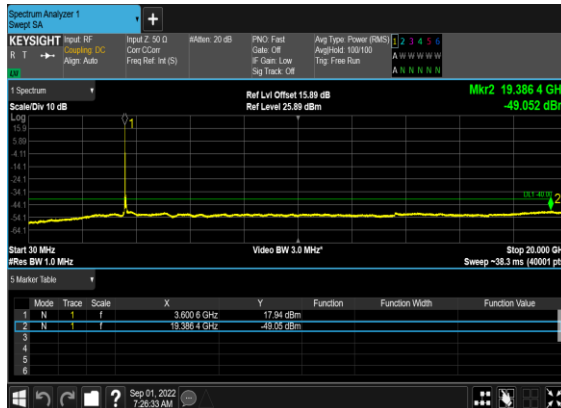
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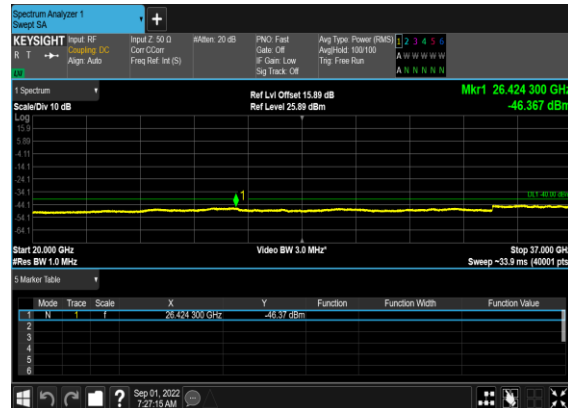
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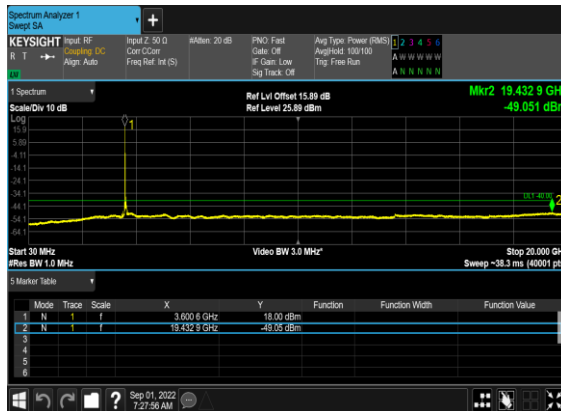
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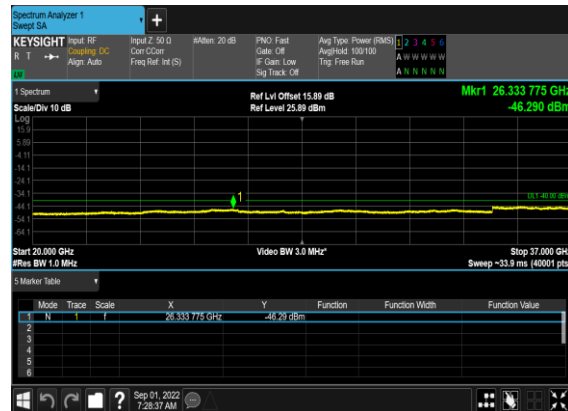
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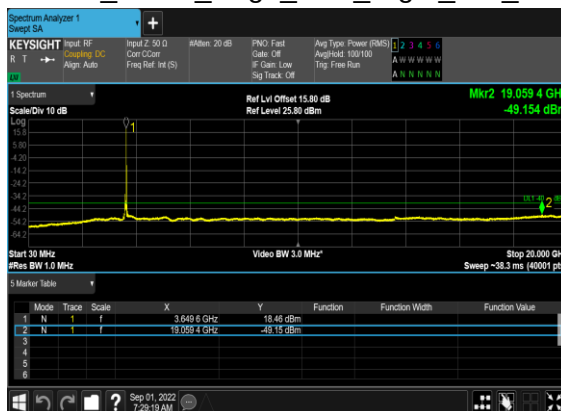
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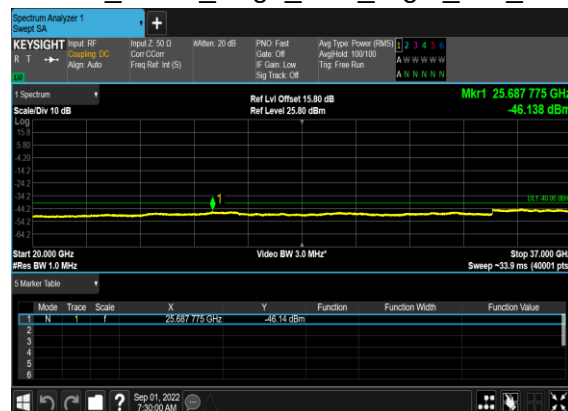
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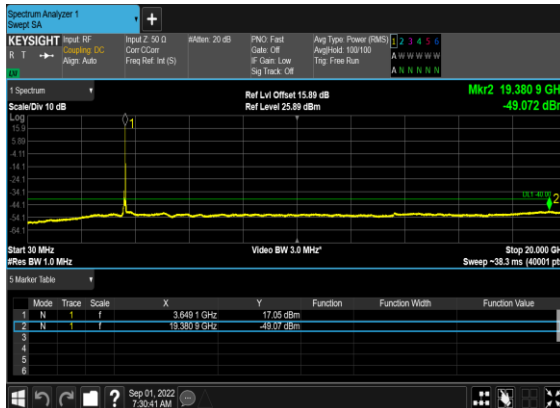
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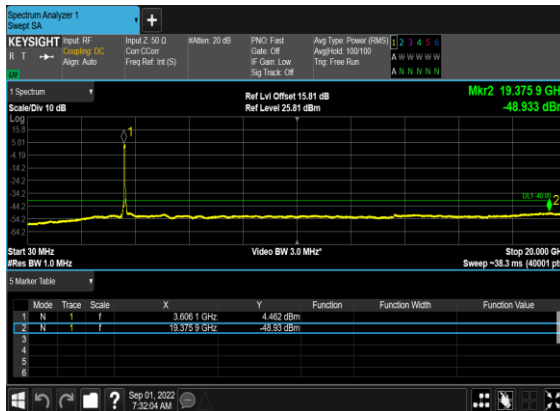
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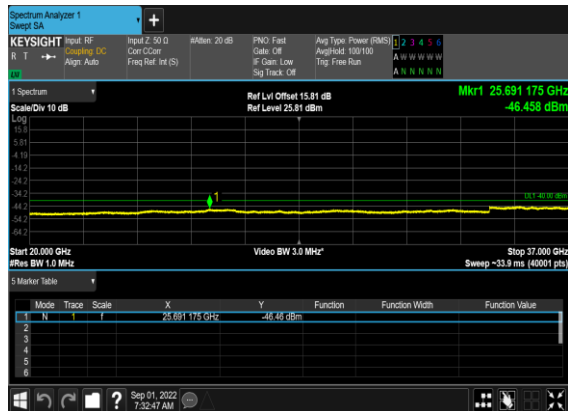
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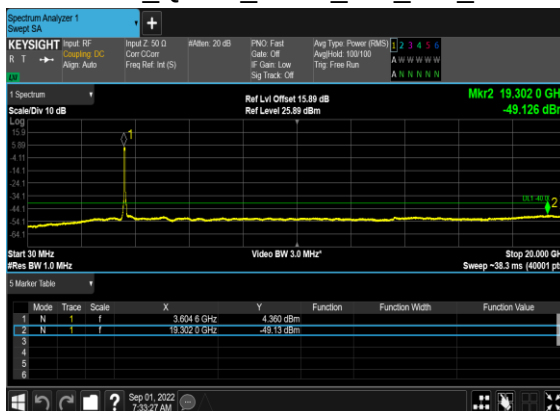
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N48(50M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



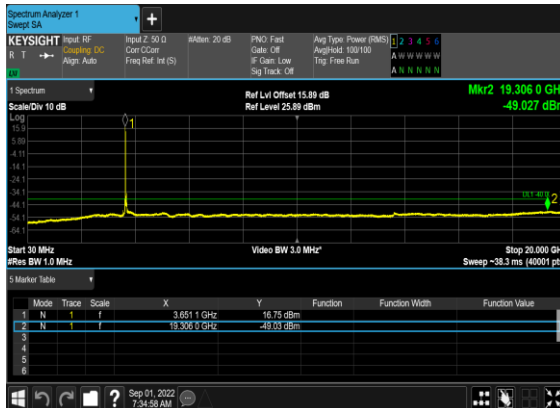
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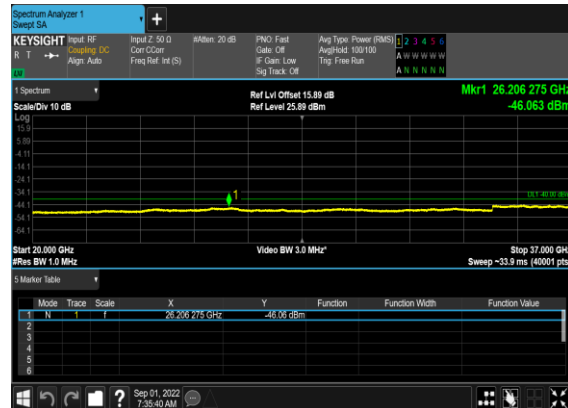
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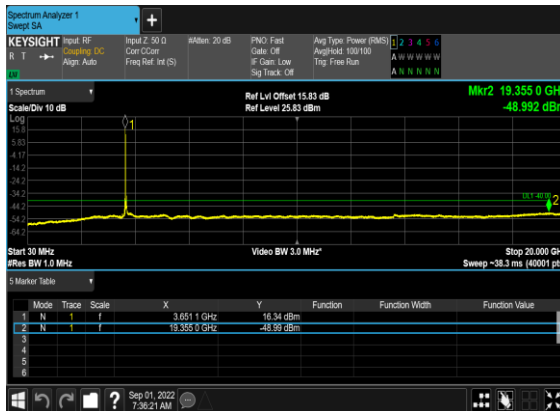
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OFDM_BPSK_Edge_1RB_Left_High_CH



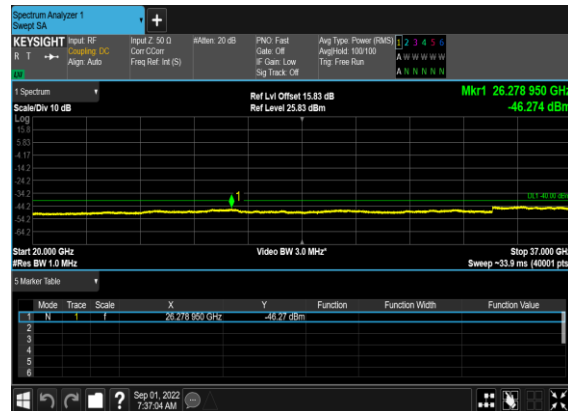
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OFDM_BPSK_Edge_1RB_Left_High_CH



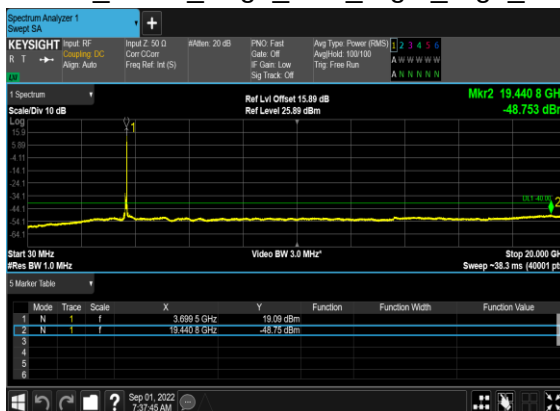
N48(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N48(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH

