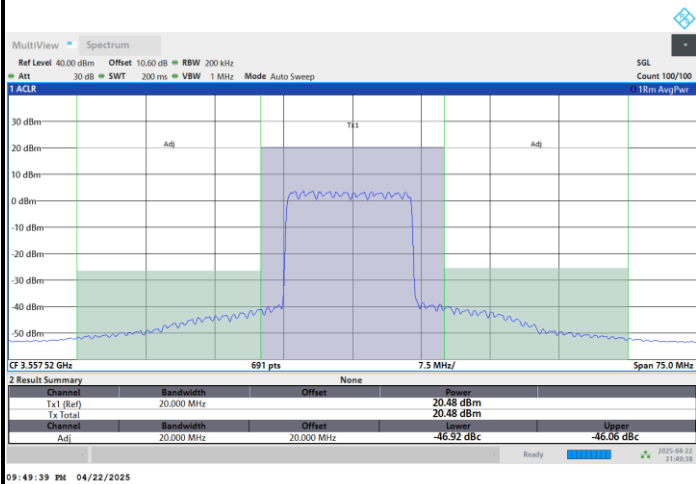




FR1 n48 / 15MHz / DFT-S OFDM / 64QAM

Lowest Channel

Full RB

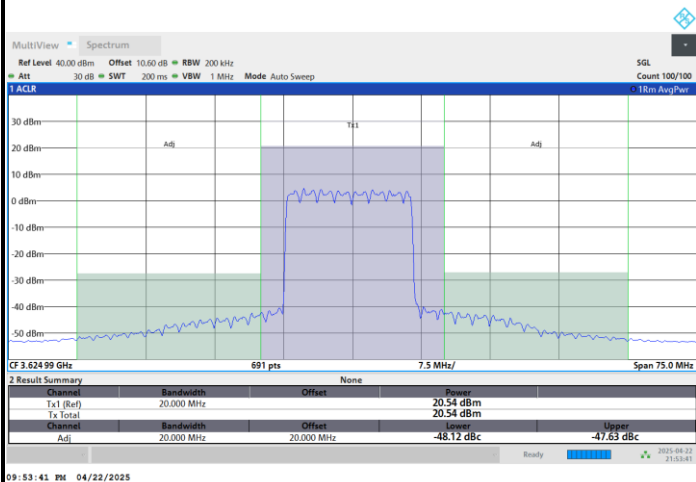




FR1 n48 / 15MHz / DFT-S OFDM / 64QAM

Middle Channel

Full RB

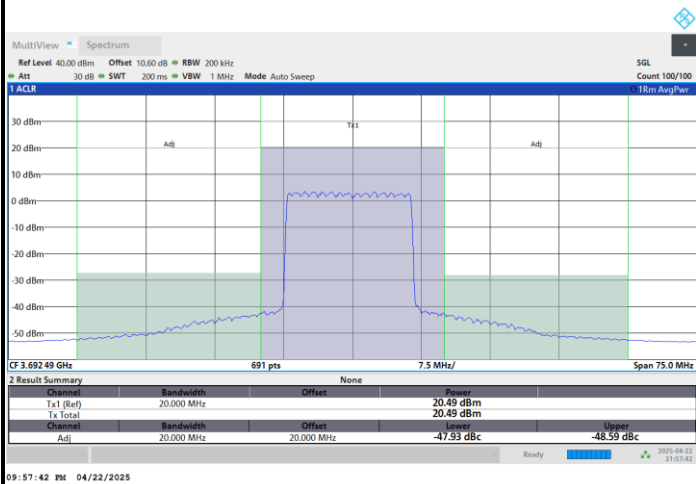




FR1 n48 / 15MHz / DFT-S OFDM / 64QAM

Highest Channel

Full RB

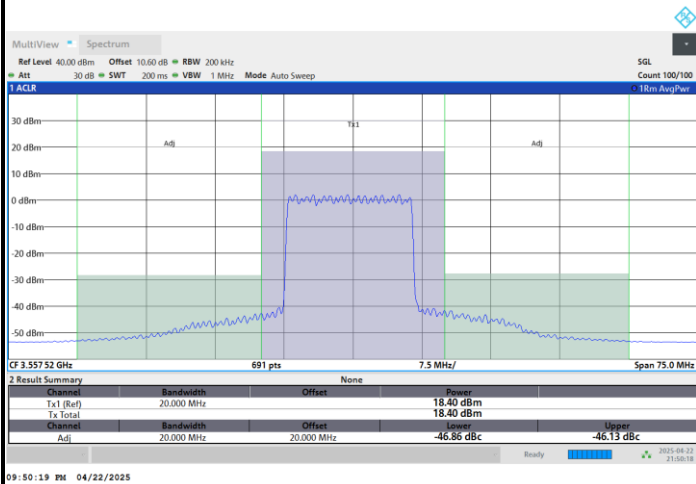




FR1 n48 / 15MHz / DFT-S OFDM / 256QAM

Lowest Channel

Full RB

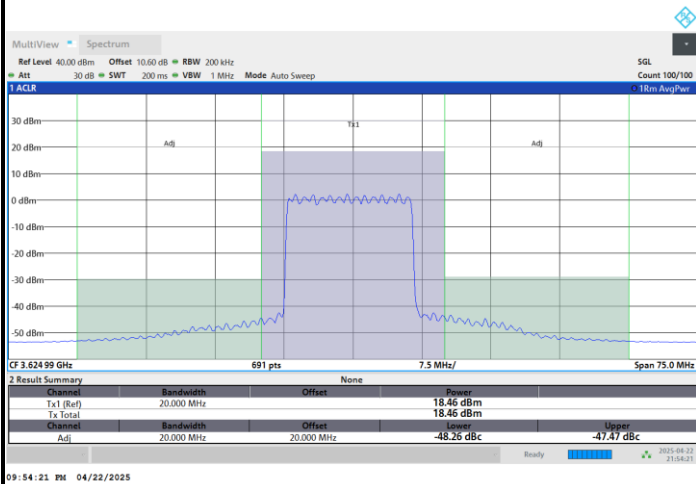




FR1 n48 / 15MHz / DFT-S OFDM / 256QAM

Middle Channel

Full RB

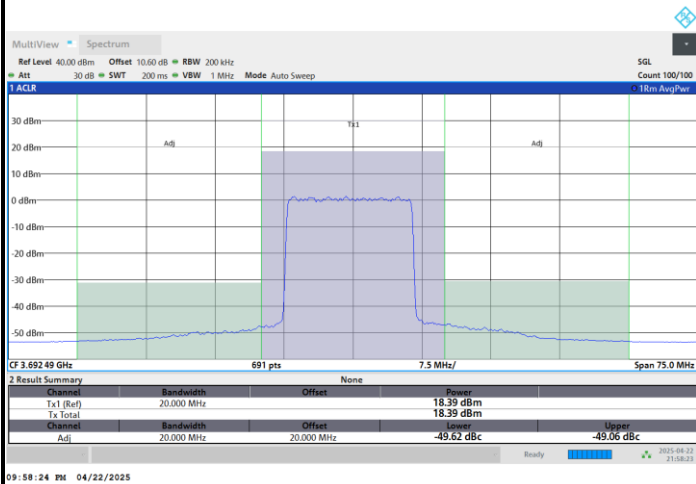




FR1 n48 / 15MHz / DFT-S OFDM / 256QAM

Highest Channel

Full RB

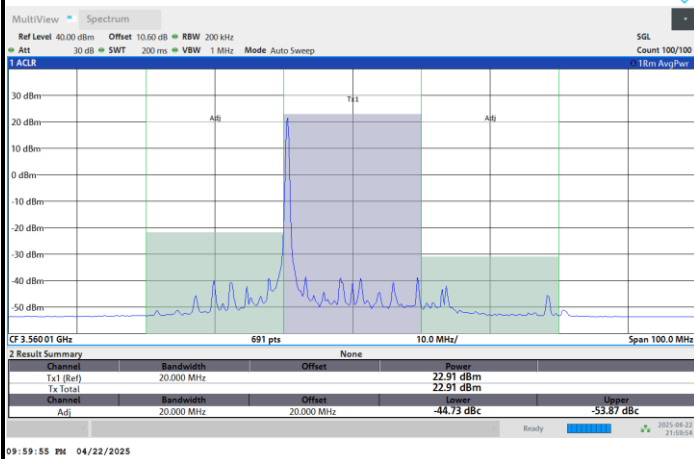




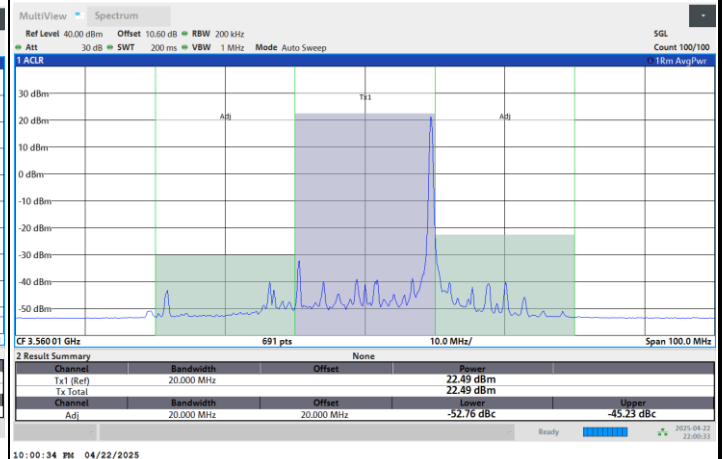
FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

1RB0



1RBmax



Full RB





FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

1RB0



1RBmax



Full RB

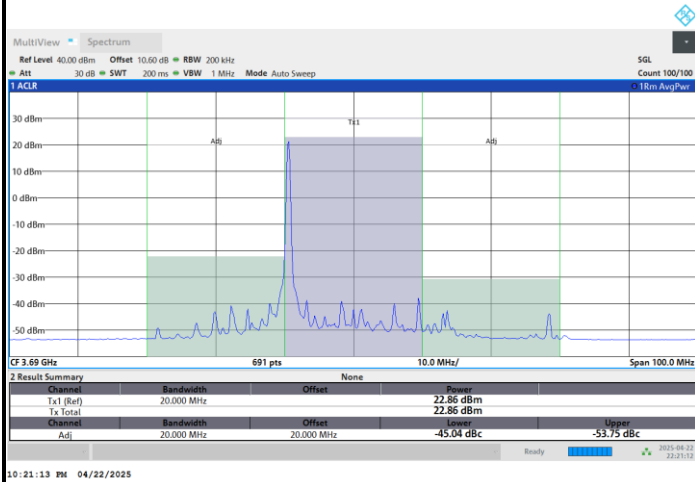




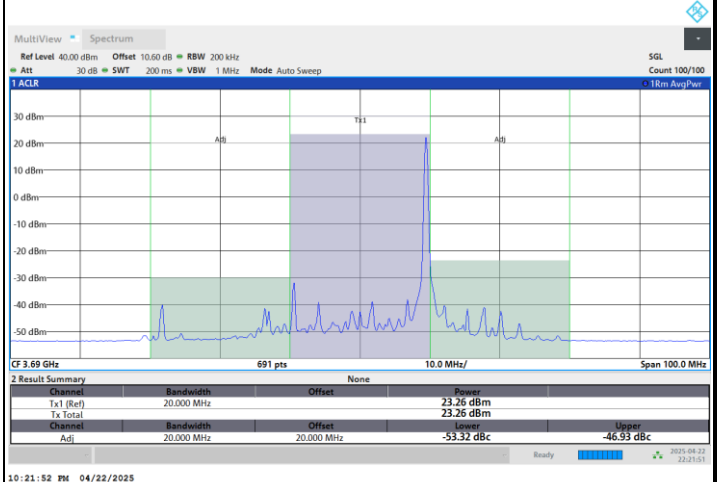
FR1 n48 / 20MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

1RB0



1RBmax



Full RB

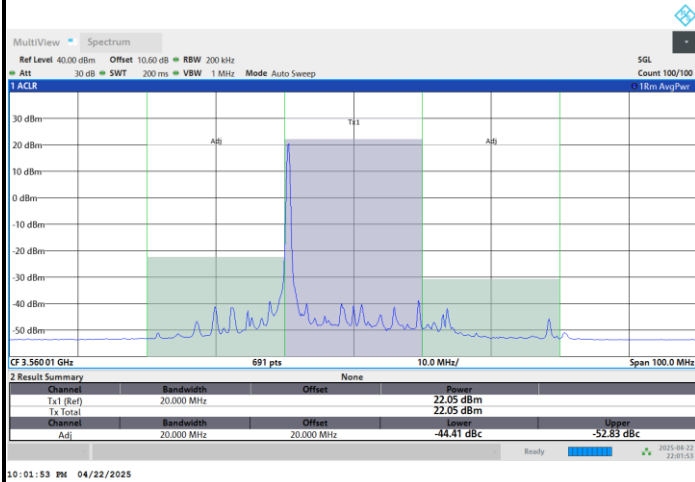




FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel

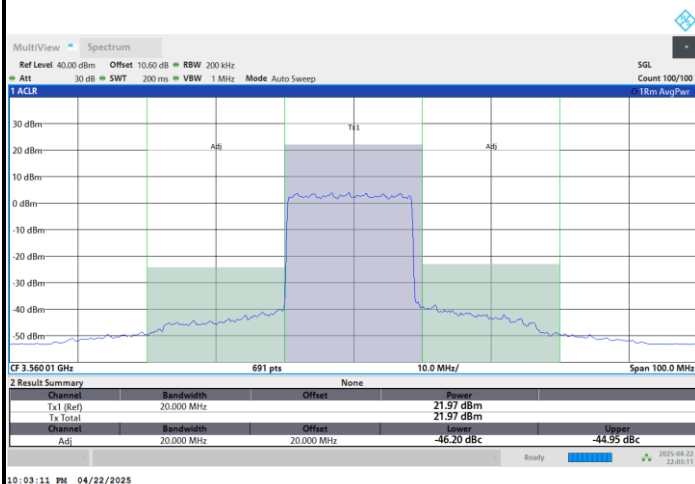
1RB0



1RBmax



Full RB

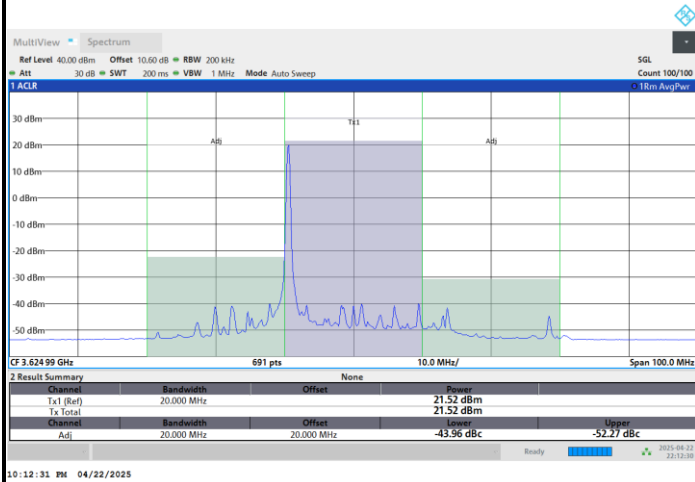




FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Middle Channel

1RB0



1RBmax



Full RB

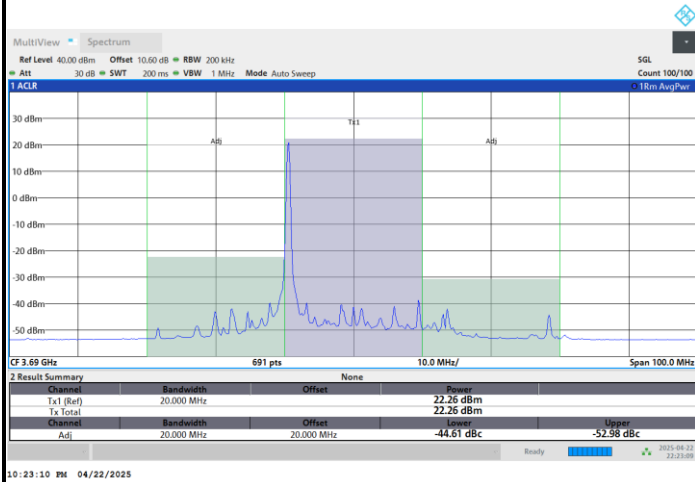




FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Highest Channel

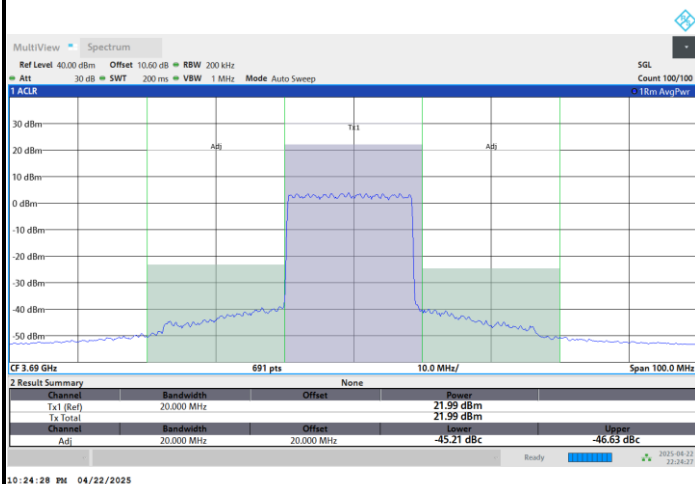
1RB0



1RBmax



Full RB

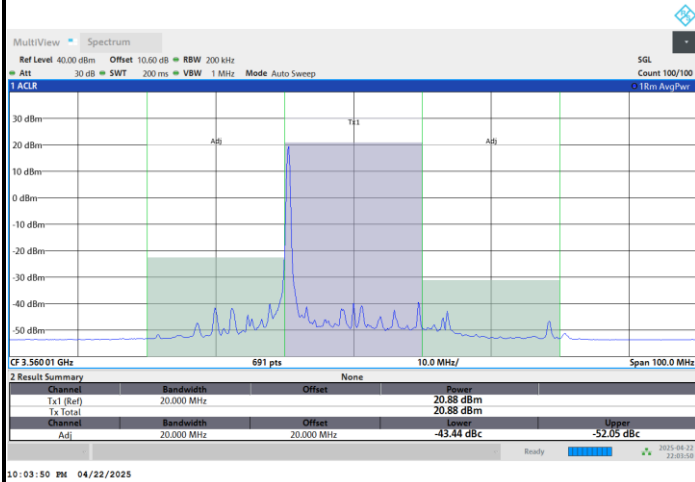




FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Lowest Channel

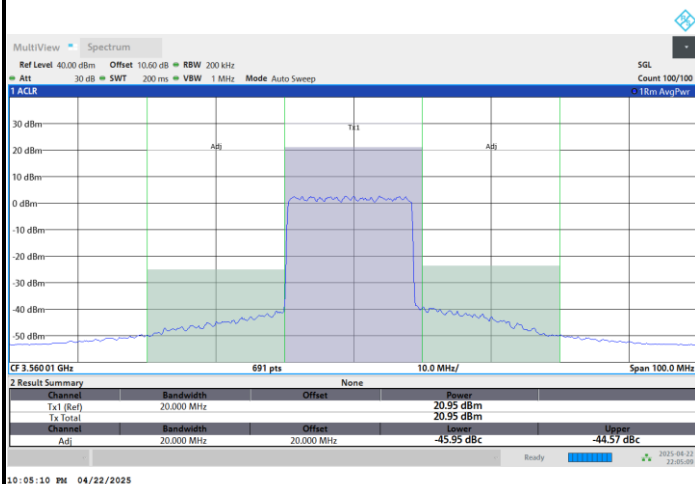
1RB0



1RBmax



Full RB





FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Middle Channel

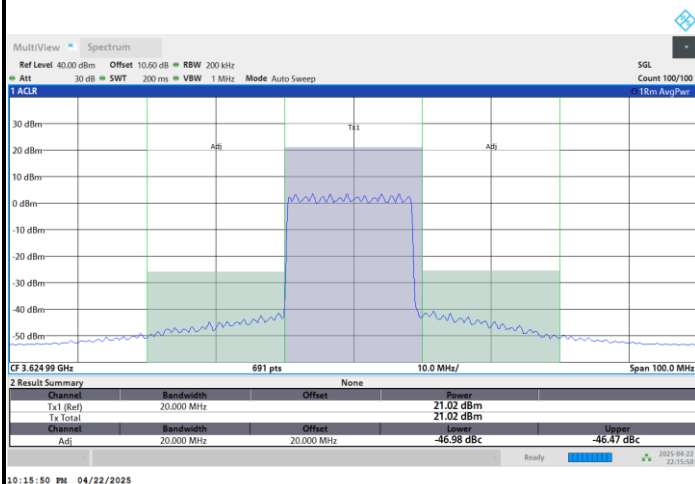
1RB0



1RBmax



Full RB





FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Highest Channel

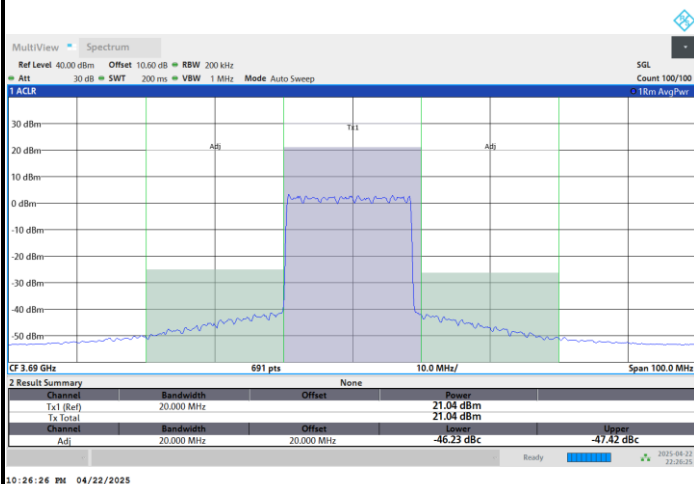
1RB0



1RBmax



Full RB





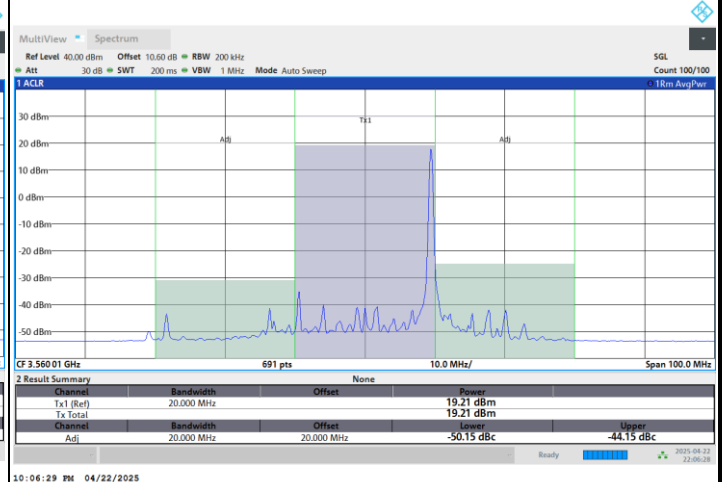
FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

Lowest Channel

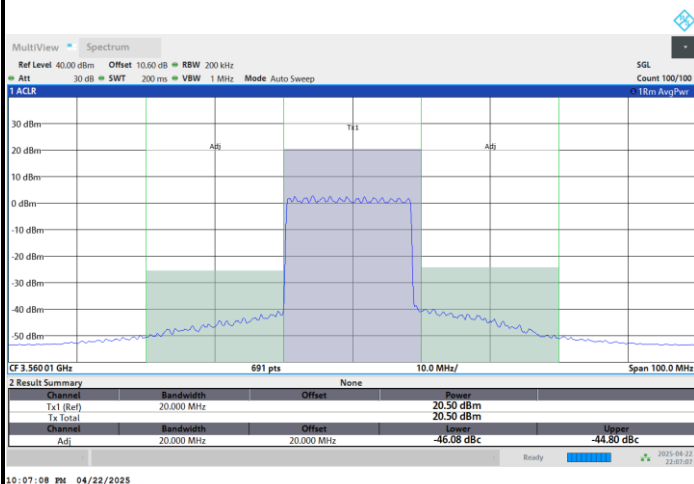
1RB0



1RBmax



Full RB

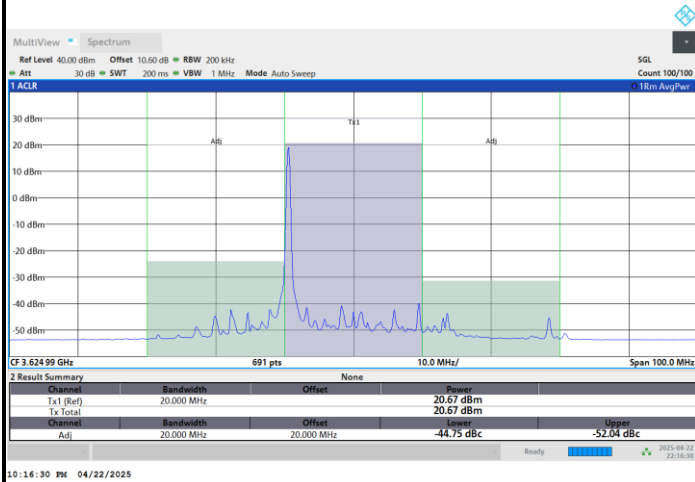




FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

Middle Channel

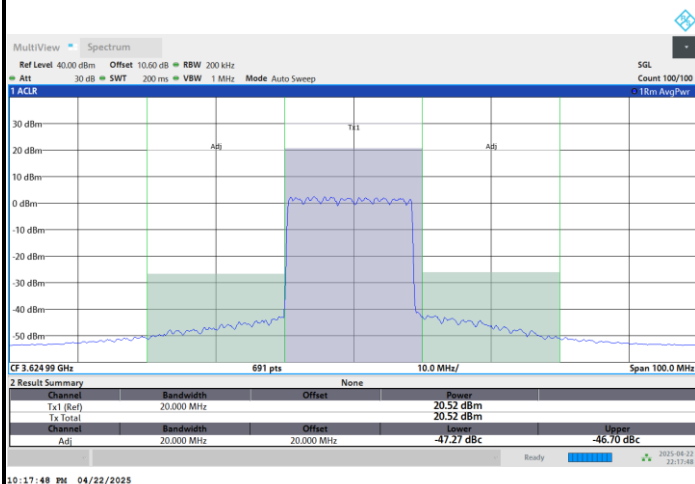
1RB0



1RBmax



Full RB

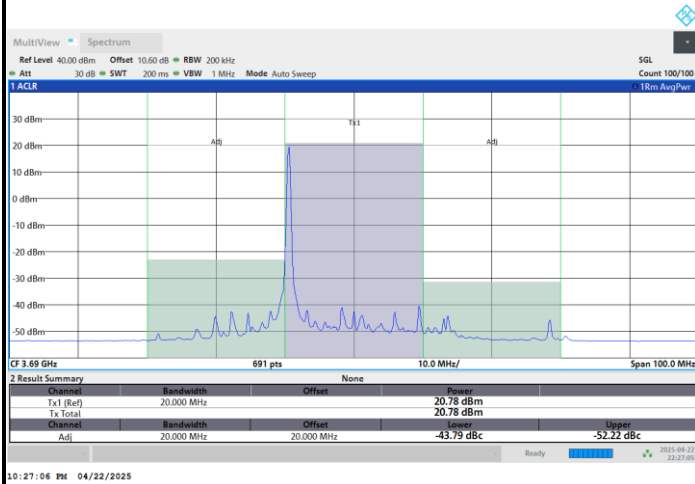




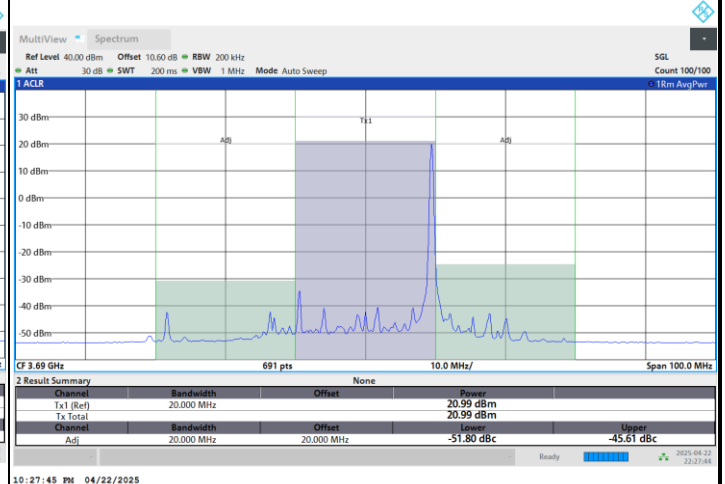
FR1 n48 / 20Hz / DFT-S OFDM / 64QAM

Highest Channel

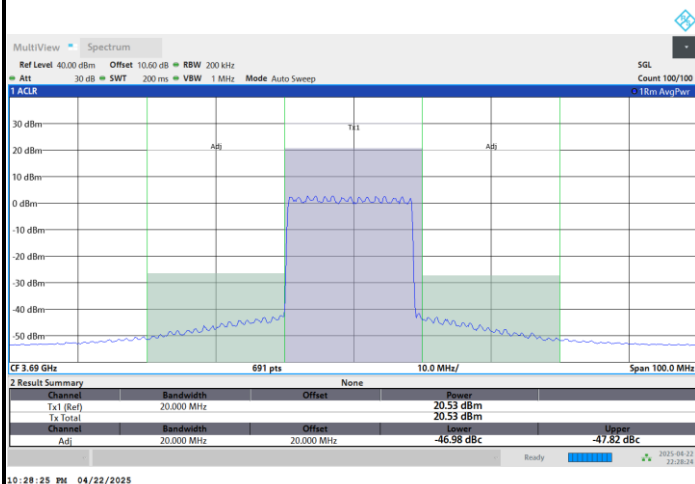
1RB0



1RBmax



Full RB

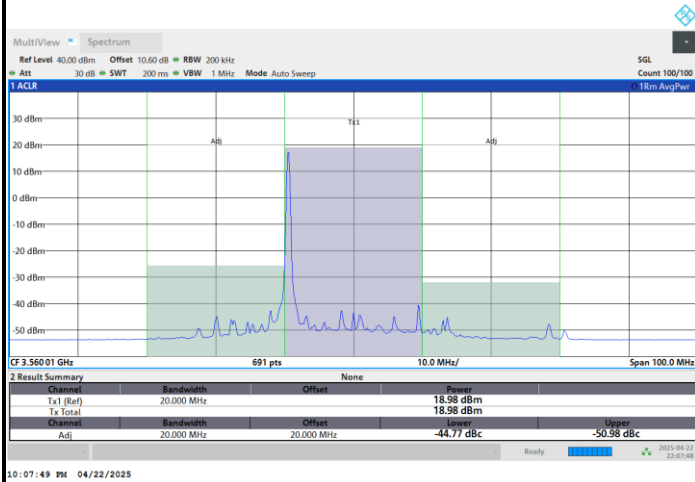




FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Lowest Channel

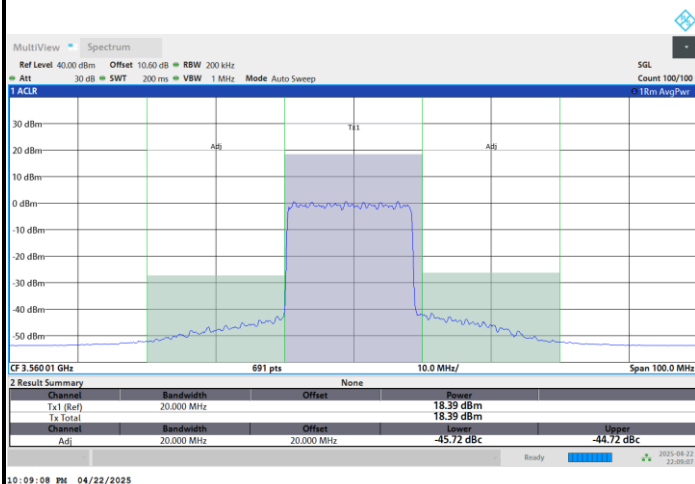
1RB0



1RBmax



Full RB

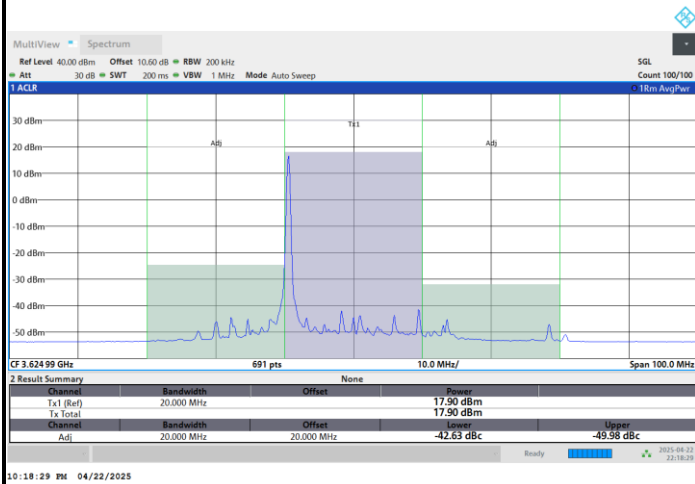




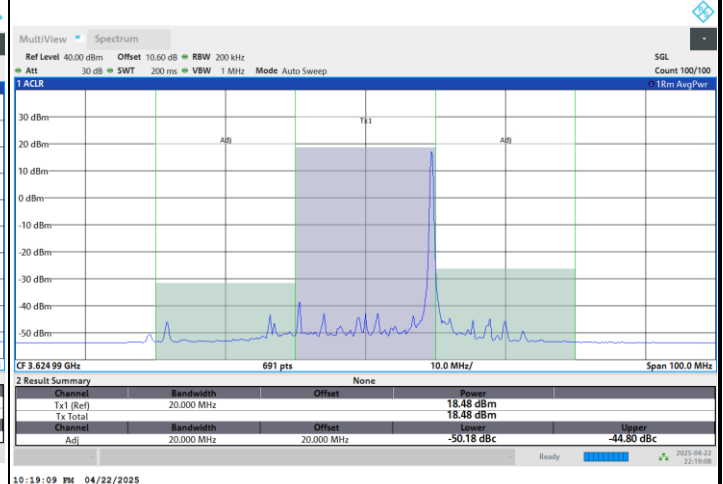
FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Middle Channel

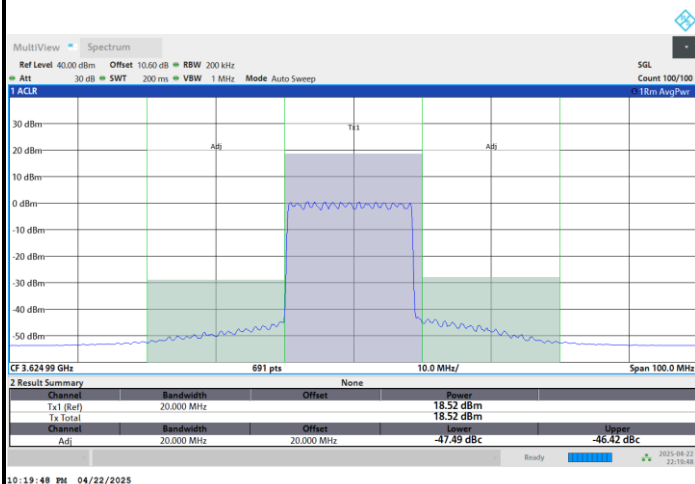
1RB0



1RBmax



Full RB

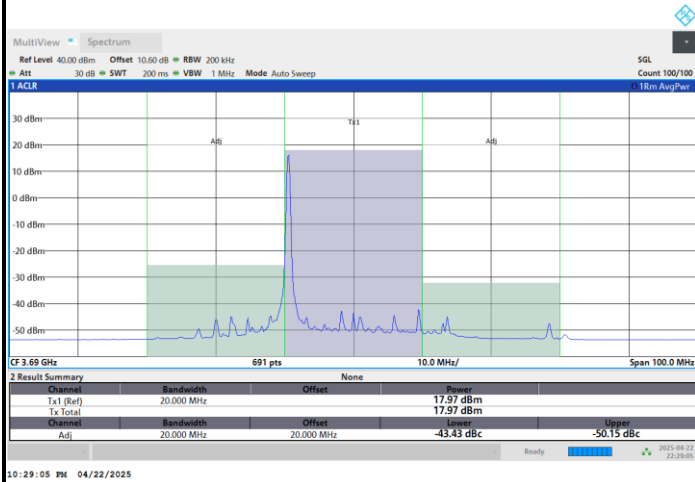




FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Highest Channel

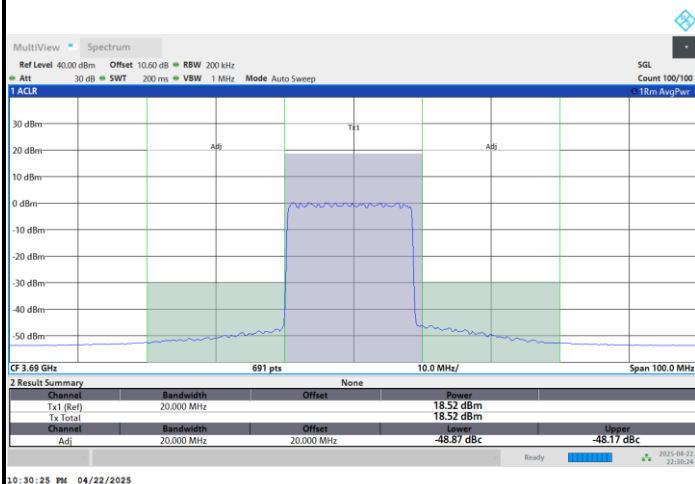
1RB0



1RBmax



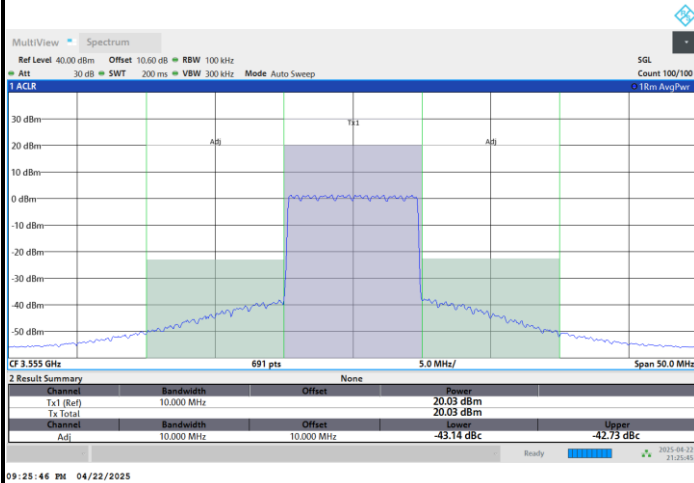
Full RB



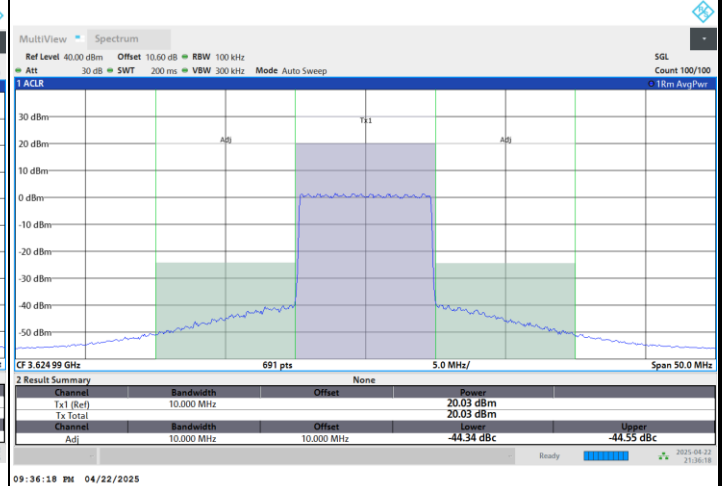


FR1 n48 / 10MHz / CP OFDM / QPSK / Full RB

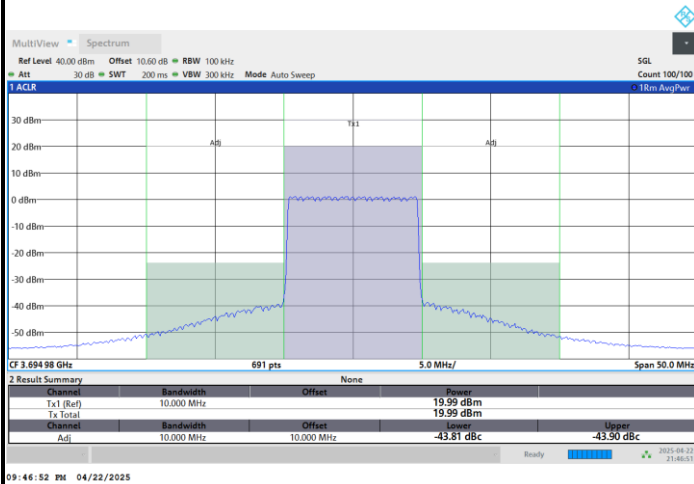
Lowest Channel



Middle Channel



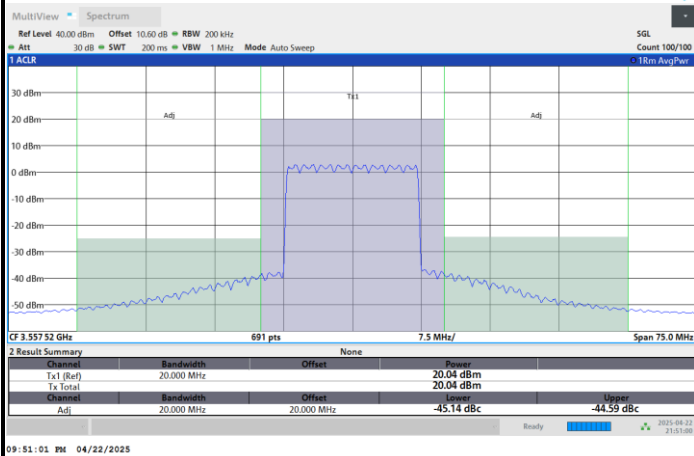
Highest Channel



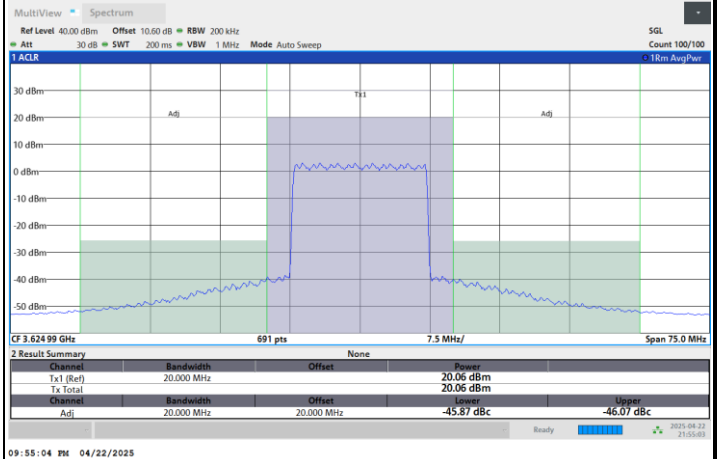


FR1 n48 / 15MHz / CP OFDM / QPSK / Full RB

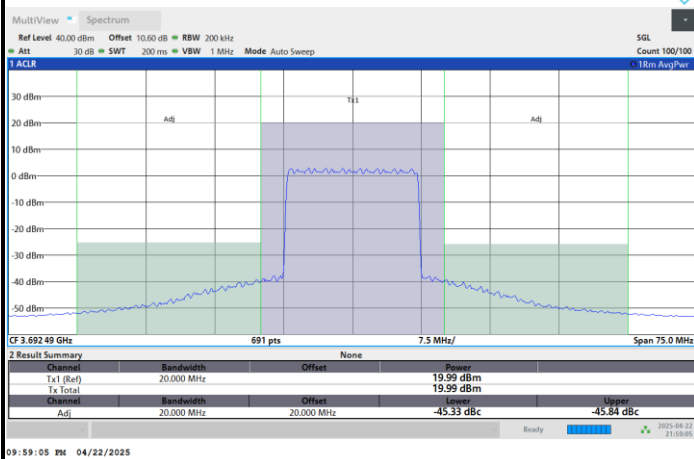
Lowest Channel



Middle Channel



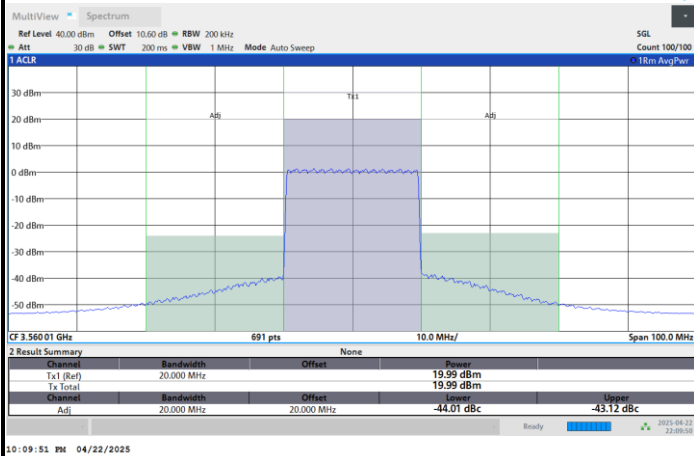
Highest Channel





FR1 n48 / 20MHz / CP OFDM / QPSK / Full RB

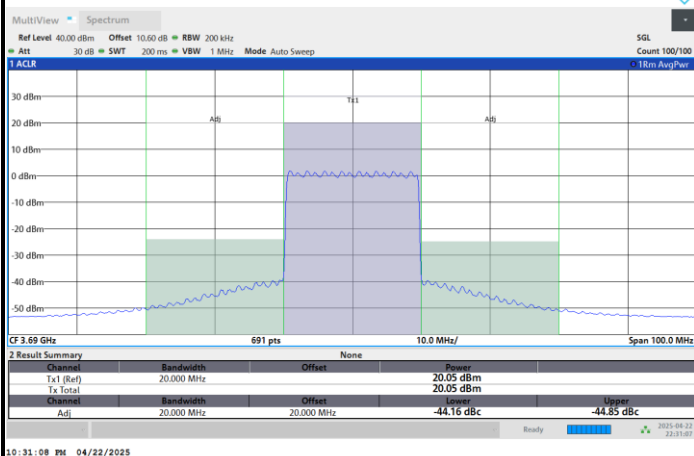
Lowest Channel



Middle Channel



Highest Channel

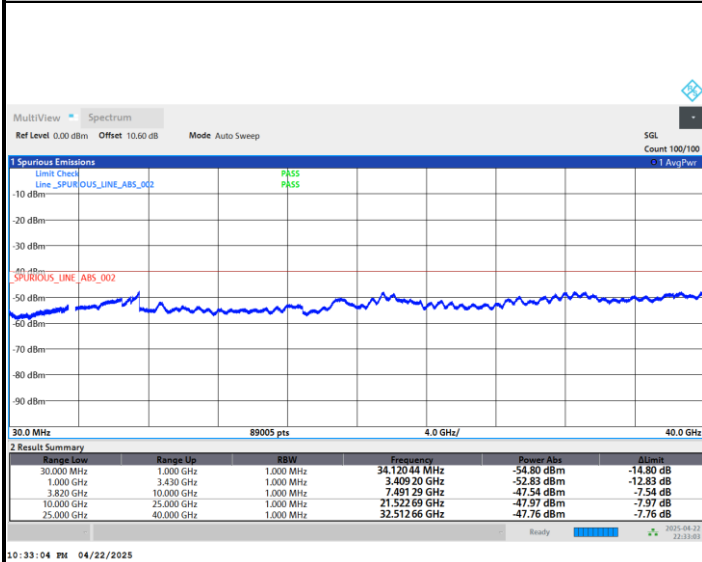




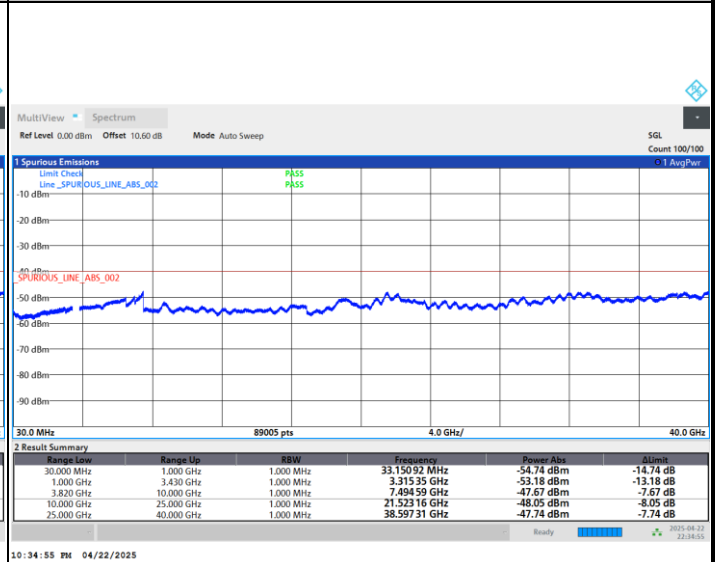
Conducted Spurious Emission

FR1 n48 / 10MHz / DFT-S OFDM / QPSK / 1RB1

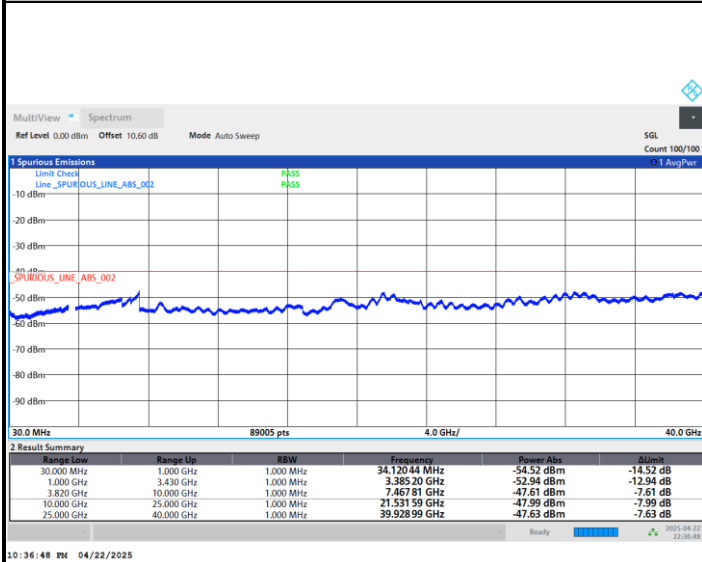
Lowest Channel



Middle Channel



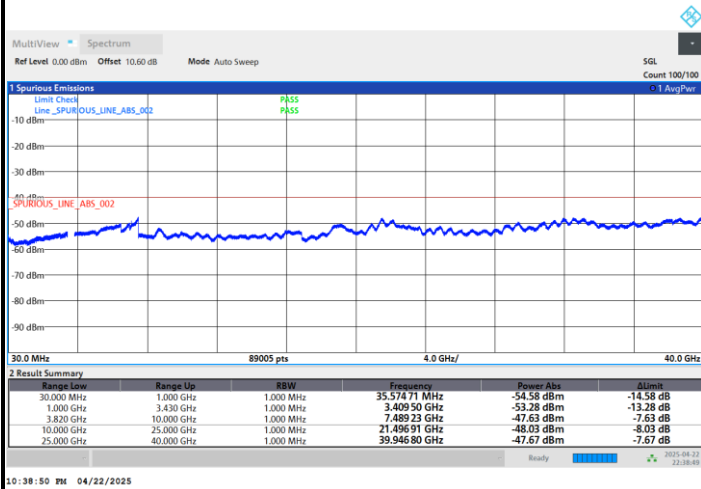
Highest Channel



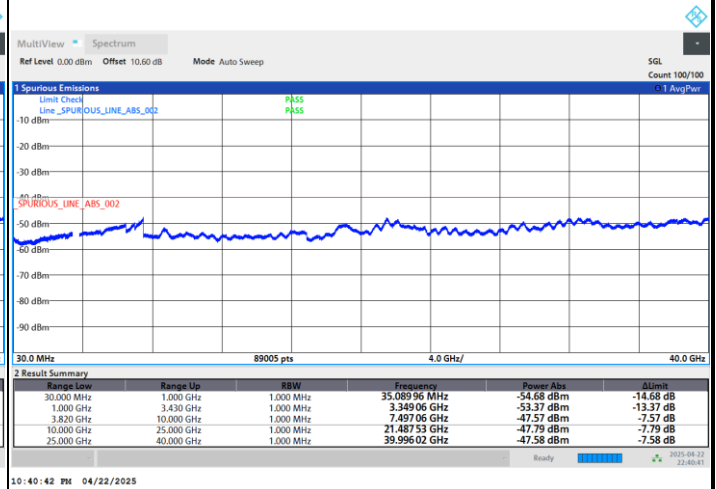


FR1 n48 / 15MHz / DFT-S OFDM / QPSK / 1RB1

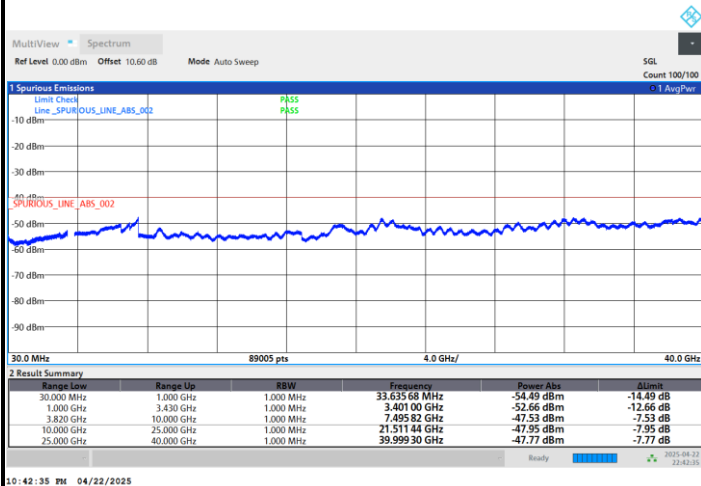
Lowest Channel



Middle Channel



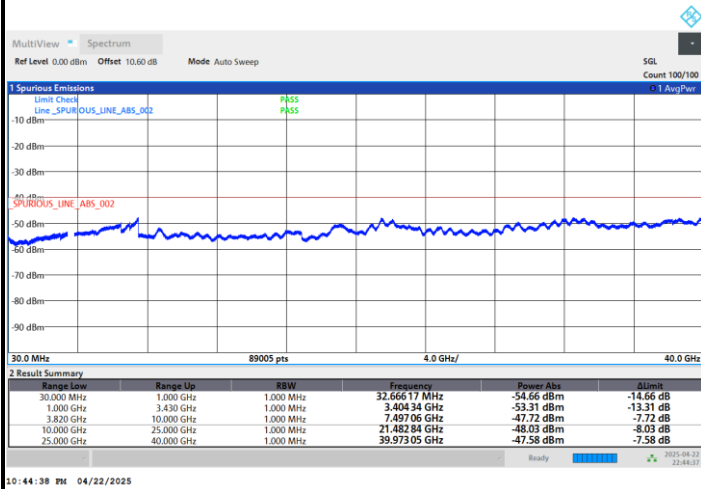
Highest Channel



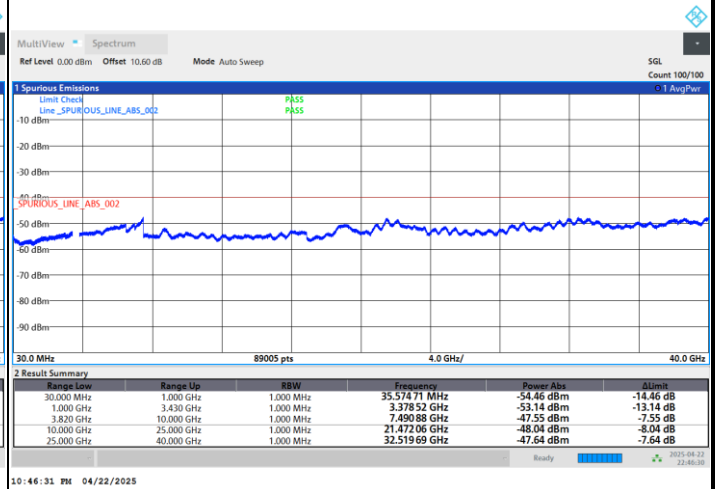


FR1 n48 / 20MHz / DFT-S OFDM / QPSK / 1RB1

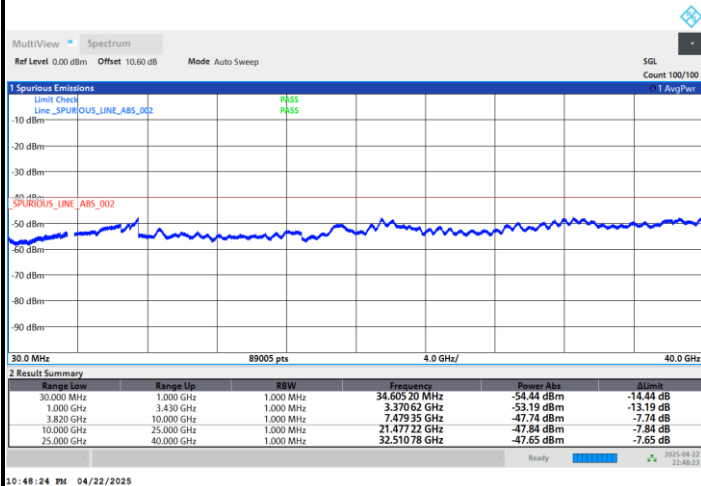
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0013	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
2	Part 96	NR SA n48	L	7102	-43.58	RMS	36.70	-23.46	2.44	-95.23	35.97	-40.00	-3.58	V	0

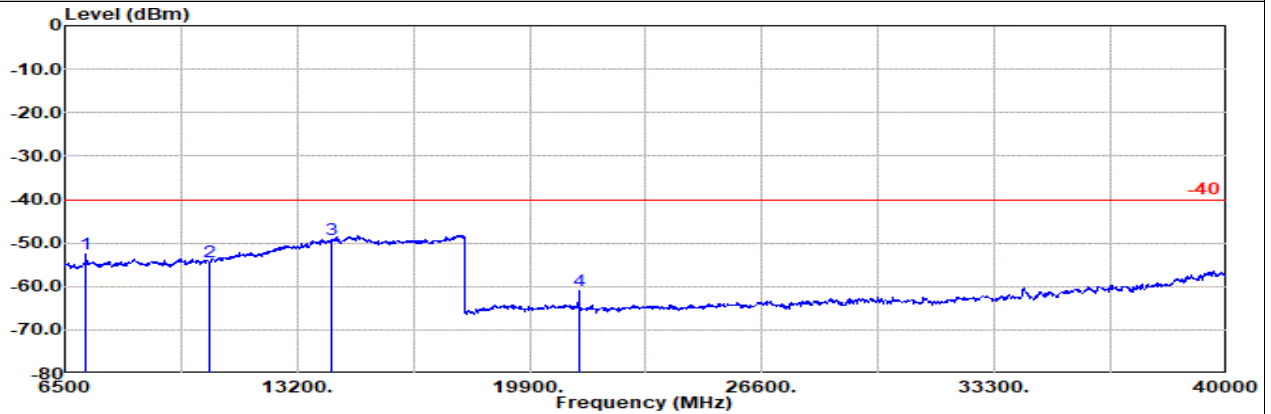


Ant. 0

Part 96 Mode 2

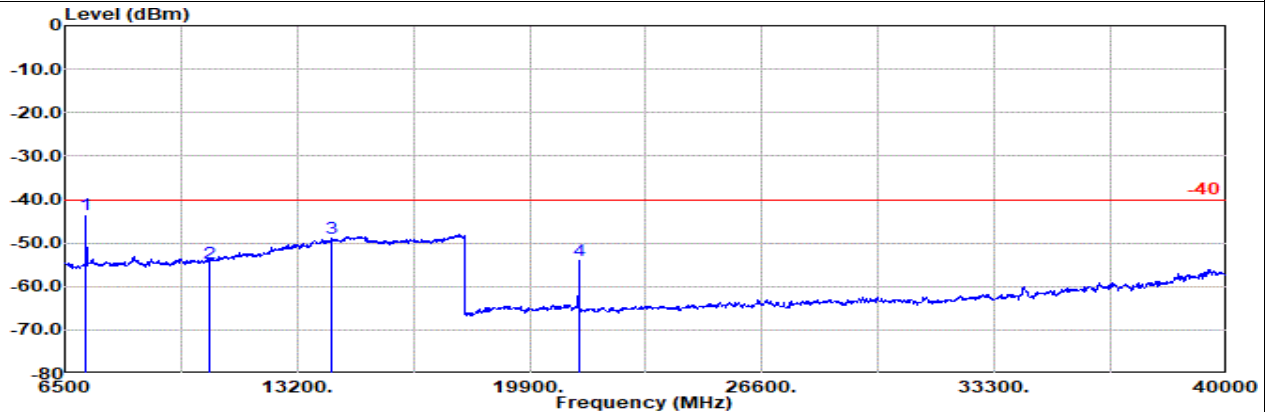
NR SA n48 20M Ch637334 1RB1 BPSK

L



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Horizontal
NR SA n48 20M Ch637334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin		Pol
					dB/m	dB		dB			dB	dB	
1	7102.00	-52.63	RMS	36.70	-23.46	2.44	-95.23	26.92	-40.00	-12.63	Horizontal		
2	10653.00	-54.40	RMS	37.50	-24.29	2.24	-95.23	25.38	-40.00	-14.40	Horizontal		
3	14205.00	-49.28	RMS	40.89	-25.48	2.49	-95.23	28.05	-40.00	-9.28	Horizontal		
4	21307.00	-60.97	RMS	38.17	-41.71	-9.54	-95.23	47.34	-40.00	-20.97	Horizontal		



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Vertical
NR SA n48 20M Ch637334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin		Pol
					dB/m	dB		dB			dB	dB	
1	7102.00	-43.58	RMS	36.70	-23.46	2.44	-95.23	35.97	-40.00	-3.58	Vertical		
2	10653.00	-54.55	RMS	37.50	-24.29	2.24	-95.23	25.23	-40.00	-14.55	Vertical		
3	14205.00	-48.99	RMS	40.89	-25.48	2.49	-95.23	28.34	-40.00	-8.99	Vertical		
4	21307.00	-54.09	RMS	38.17	-41.71	-9.54	-95.23	54.22	-40.00	-14.09	Vertical		

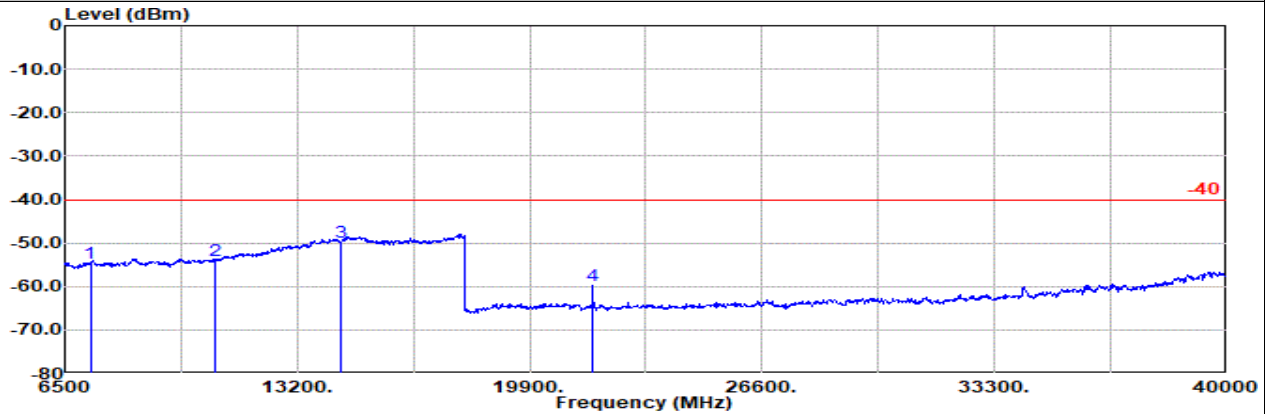


Ant. 0

Part 96 Mode 2

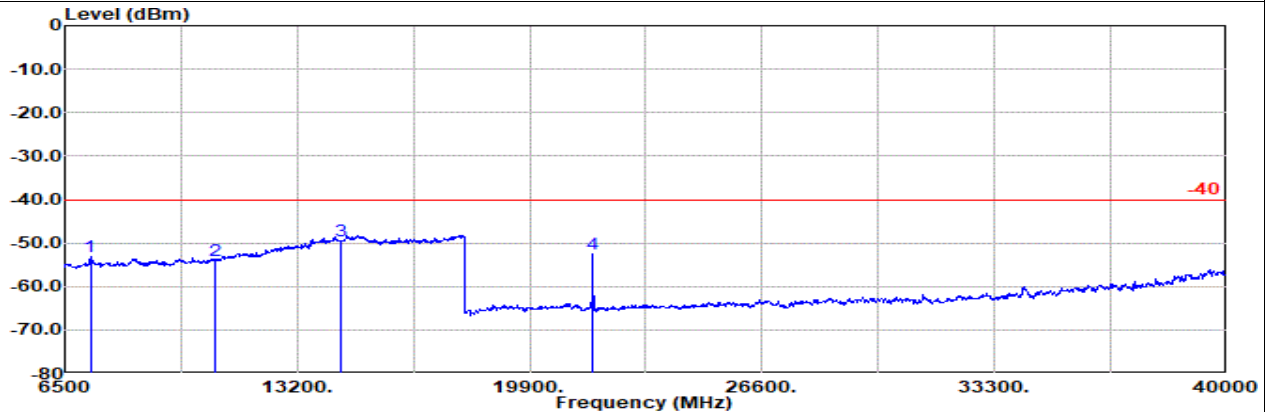
NR SA n48 20M Ch641666 1RB1 BPSK

M



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Horizontal
NR SA n48 20M Ch641666 1RB1 BPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	7232.00	-54.57	RMS	37.13	-23.47	2.44	-95.23	24.56	-40.00	-14.57	Horizontal		
2	10848.00	-54.03	RMS	37.60	-24.39	2.24	-95.23	25.75	-40.00	-9.91	Horizontal		
3	14465.00	-49.91	RMS	40.99	-25.77	2.49	-95.23	27.61	-40.00	-19.70	Horizontal		
4	21697.00	-59.70	RMS	38.11	-41.22	-9.54	-95.23	48.18	-40.00				



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Vertical
NR SA n48 20M Ch641666 1RB1 BPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	7232.00	-53.21	RMS	37.13	-23.47	2.44	-95.23	25.92	-40.00	-13.21	Vertical		
2	10848.00	-53.93	RMS	37.60	-24.39	2.24	-95.23	25.85	-40.00	-9.63	Vertical		
3	14465.00	-49.63	RMS	40.99	-25.77	2.49	-95.23	27.89	-40.00	-12.47	Vertical		
4	21697.00	-52.47	RMS	38.11	-41.22	-9.54	-95.23	55.41	-40.00				

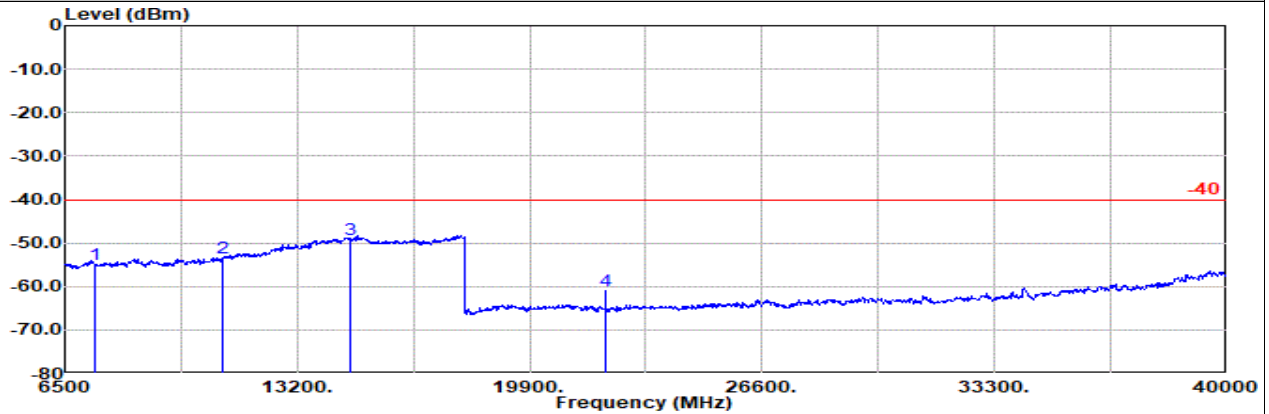


Ant. 0

Part 96 Mode 2

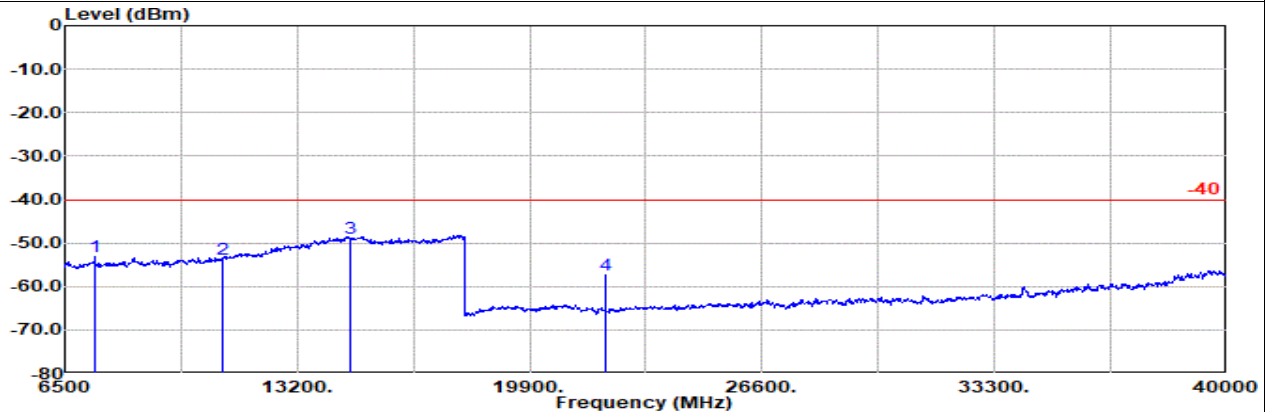
NR SA n48 20M Ch646000 1RB1 BPSK

H



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Horizontal
NR SA n48 20M Ch646000 1RB1 BPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF		Readin g	Limit	Margin Pol	
	MHz	dBm			dB/m	dB		dB	dB		dBm	dB	
1	7362.00	-54.99	RMS		37.28	-23.50	2.26	-95.23		24.20	-40.00	-14.99	Horizontal
2	11043.00	-53.48	RMS		37.97	-24.47	2.25	-95.23		26.00	-40.00	-13.48	Horizontal
3	14725.00	-49.17	RMS		41.55	-26.03	2.50	-95.23		28.04	-40.00	-9.17	Horizontal
4	22087.00	-60.93	RMS		38.23	-40.44	-9.54	-95.23		46.05	-40.00	-20.93	Horizontal



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Vertical
NR SA n48 20M Ch646000 1RB1 BPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF		Readin g	Limit	Margin Pol	
	MHz	dBm			dB/m	dB		dB	dB		dBm	dB	
1	7362.00	-53.23	RMS		37.28	-23.50	2.26	-95.23		25.96	-40.00	-13.23	Vertical
2	11043.00	-53.88	RMS		37.97	-24.47	2.25	-95.23		25.60	-40.00	-13.88	Vertical
3	14725.00	-48.95	RMS		41.55	-26.03	2.50	-95.23		28.26	-40.00	-8.95	Vertical
4	22087.00	-57.30	RMS		38.23	-40.44	-9.54	-95.23		49.68	-40.00	-17.30	Vertical

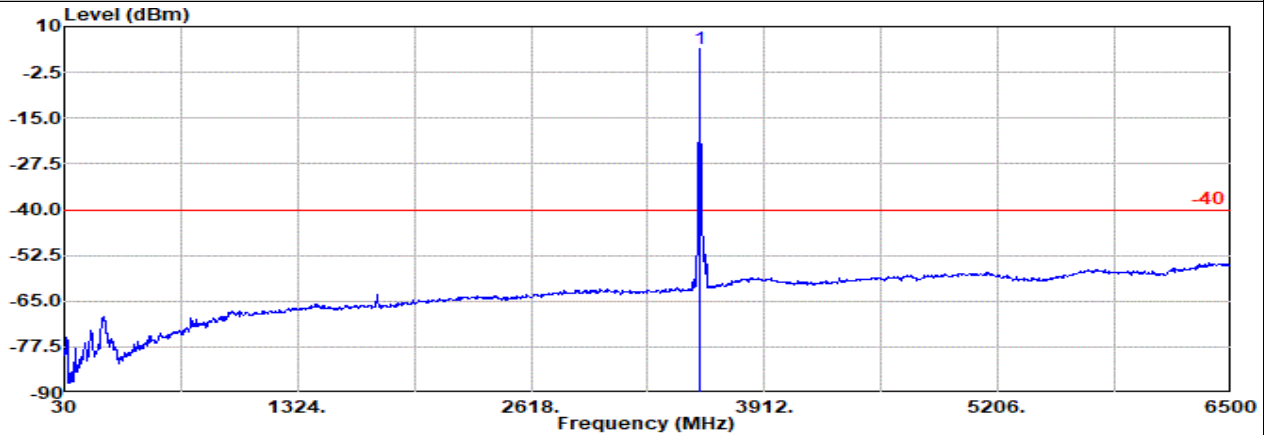


Ant. 0

Part 96 Mode 2

NR SA n48 20M Ch637334 1RB1 BPSK

L



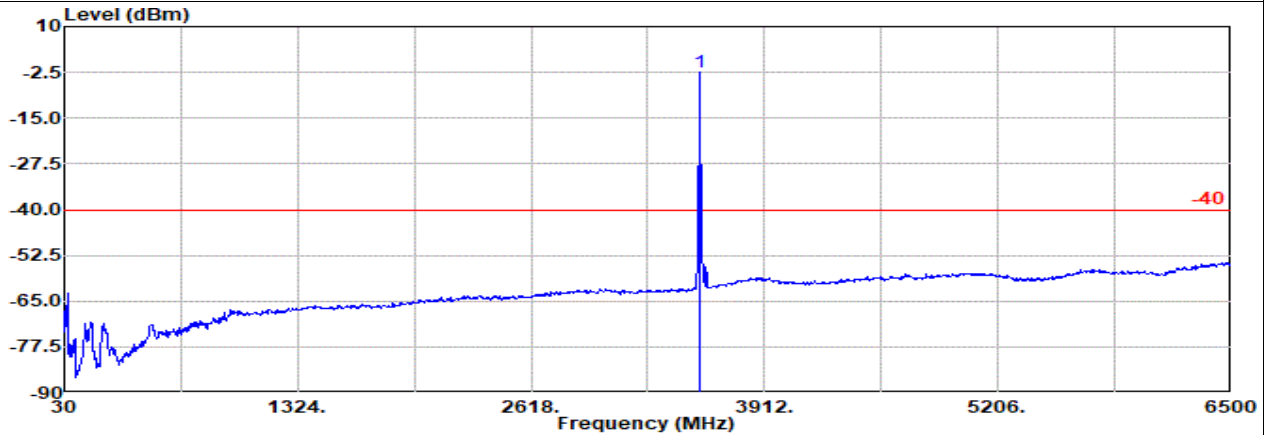
Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_240620 Horizontal

: NR SA n48 20M Ch637334 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3552.00	4.00	RMS	29.40	-24.82	3.37	-95.23	91.28	-40.00	44.00	Horizontal



Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_240620 Vertical

: NR SA n48 20M Ch637334 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3552.00	-2.46	RMS	29.40	-24.82	3.37	-95.23	84.82	-40.00	37.54	Vertical

Remark: #1 is fundamental signal which can be ignored.