

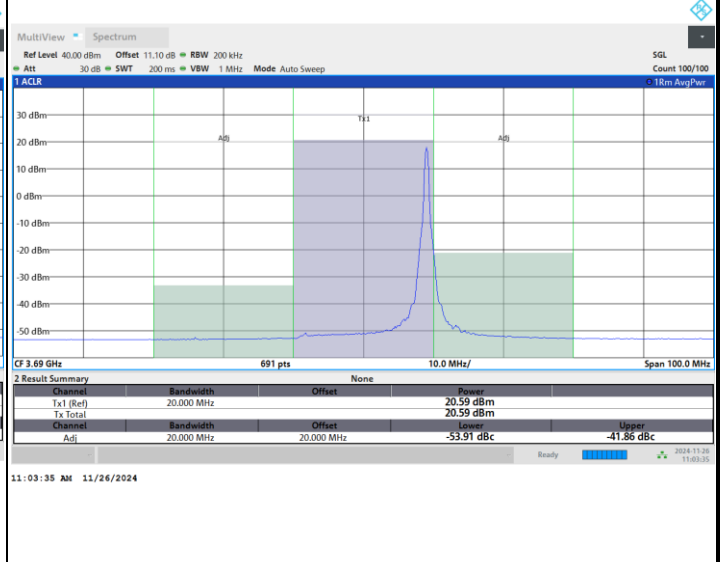
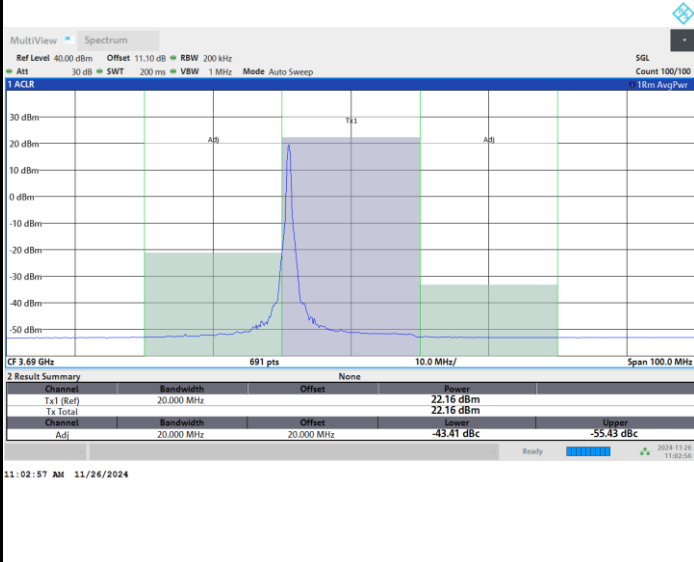


FR1 n48 / 20MHz / DFT-S OFDM / QPSK

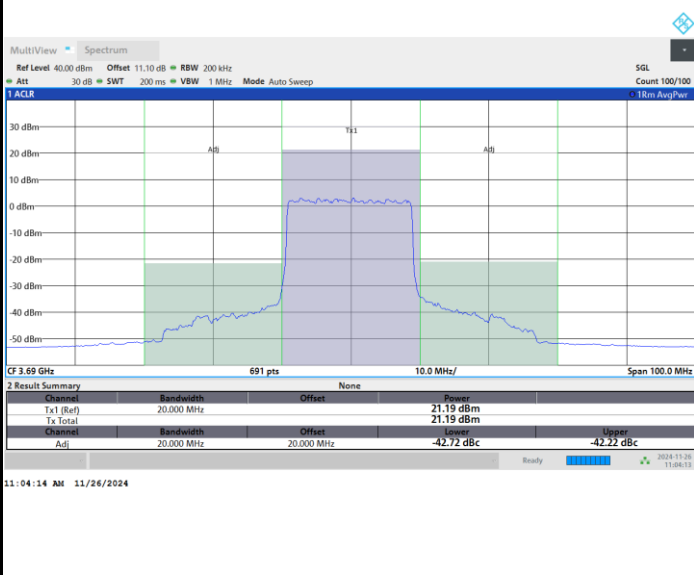
Highest Channel

1RB0

1RBmax



Full RB



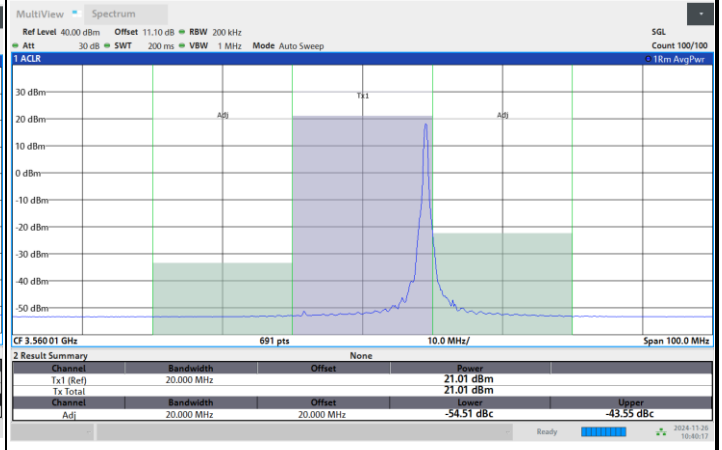
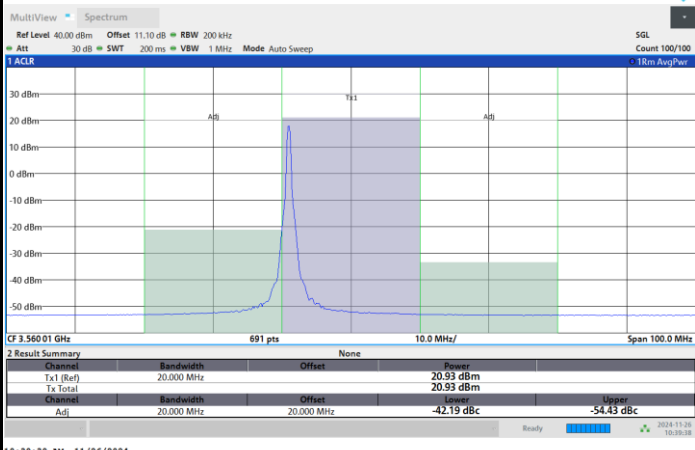


FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Lowest Channel

1RB0

1RBmax



Full RB



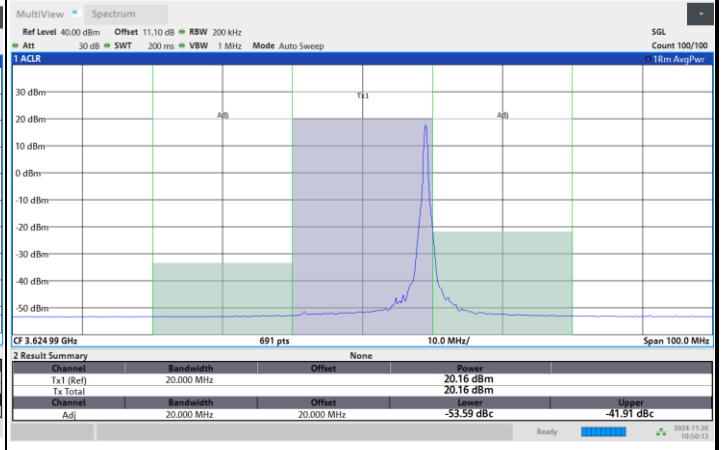
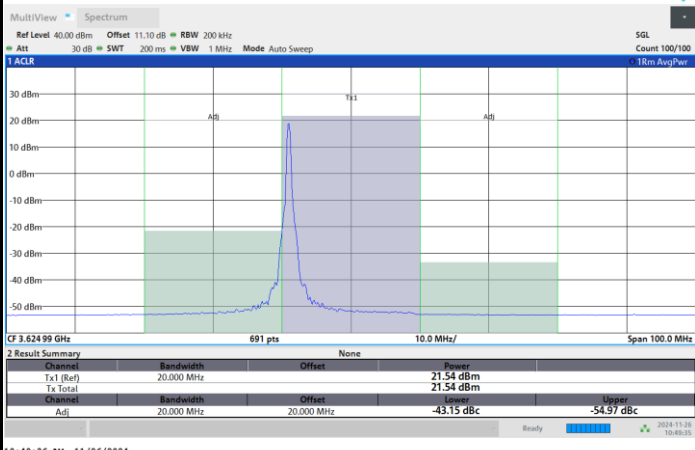


FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

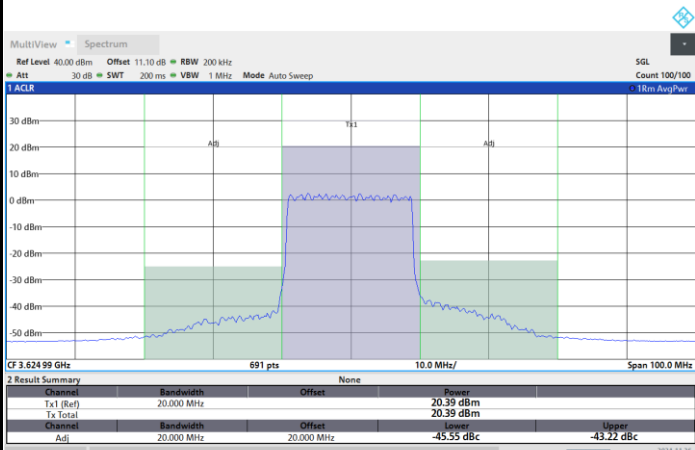
Middle Channel

1RB0

1RBmax



Full RB



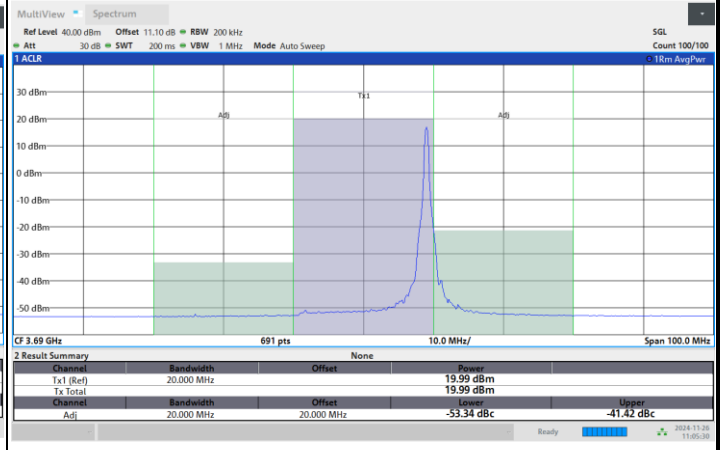
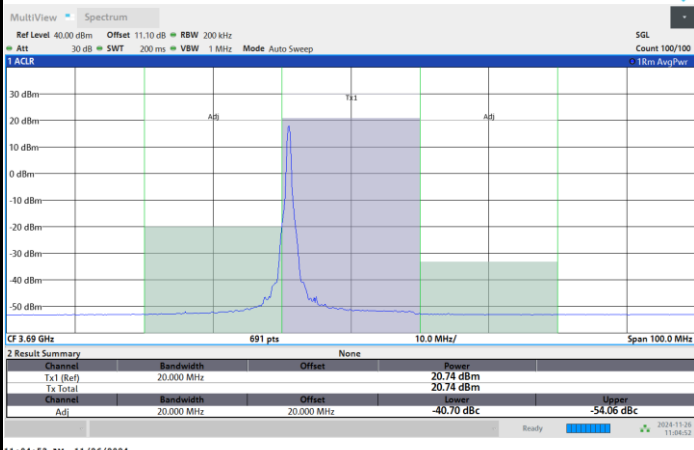


FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

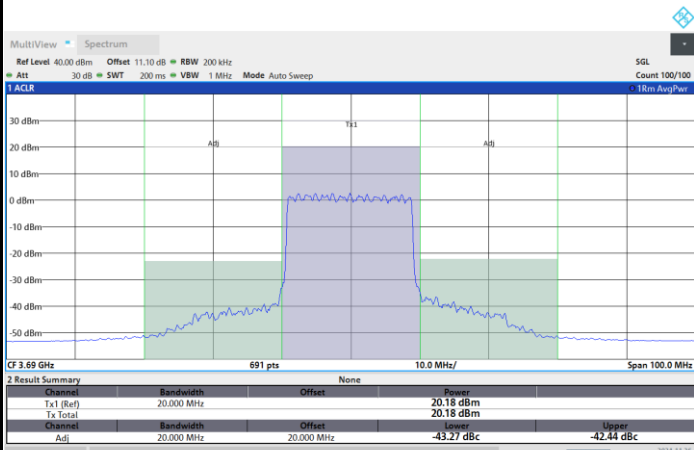
Highest Channel

1RB0

1RBmax



Full RB



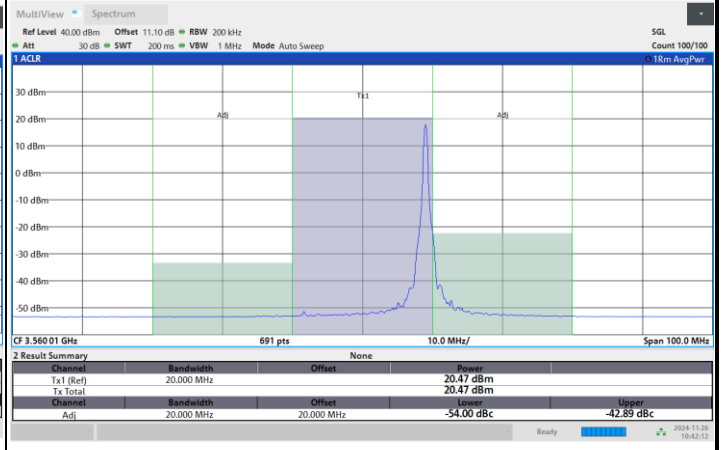
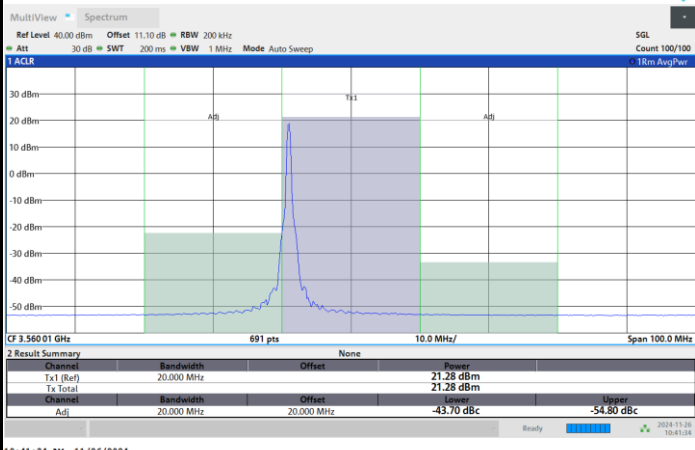


FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

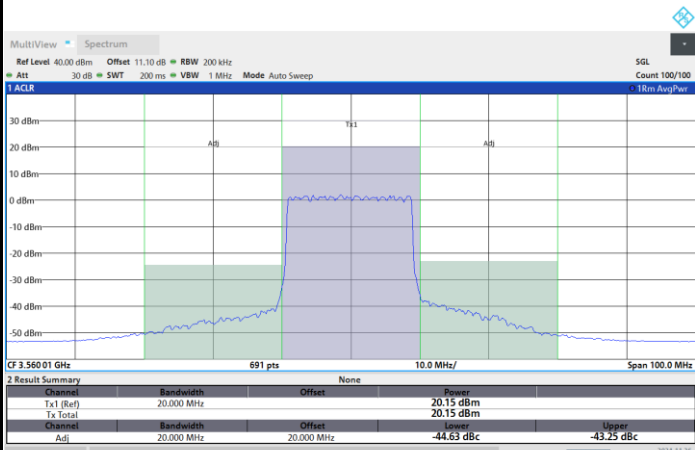
Lowest Channel

1RB0

1RBmax



Full RB



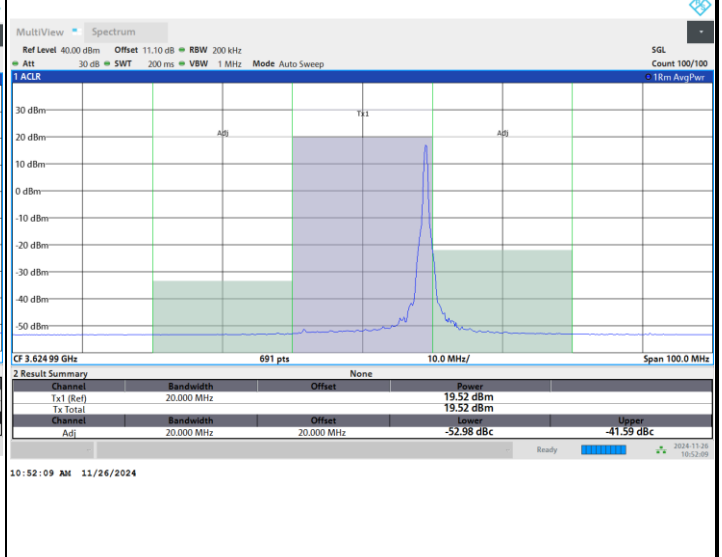
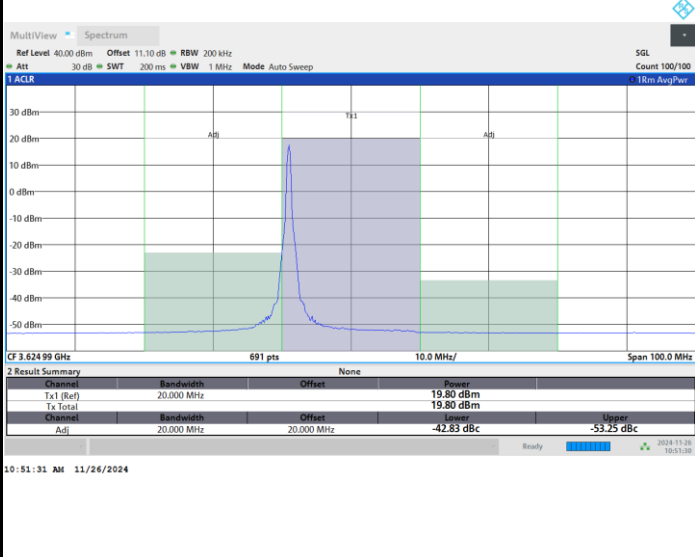


FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

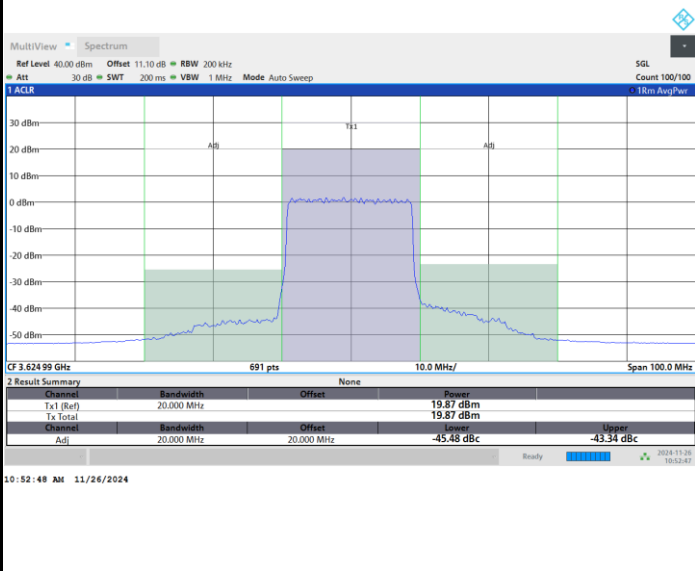
Middle Channel

1RB0

1RBmax



Full RB



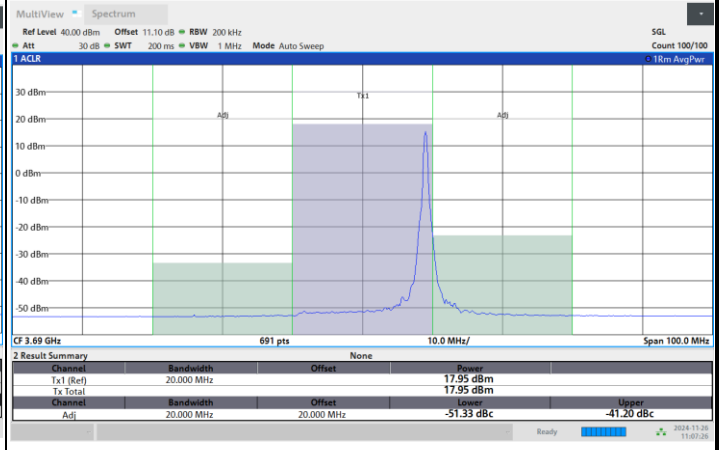
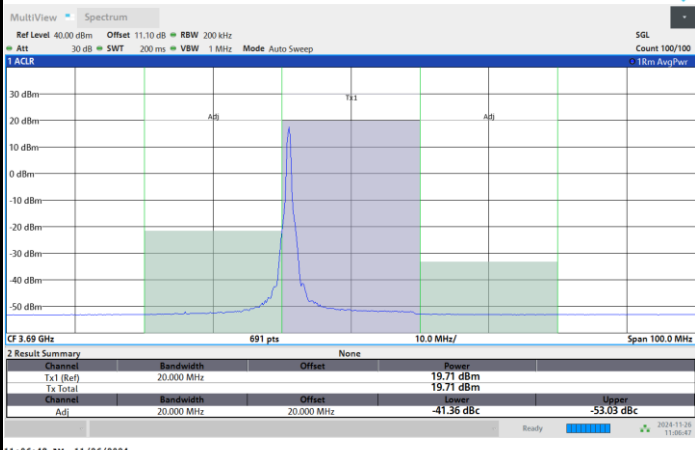


FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

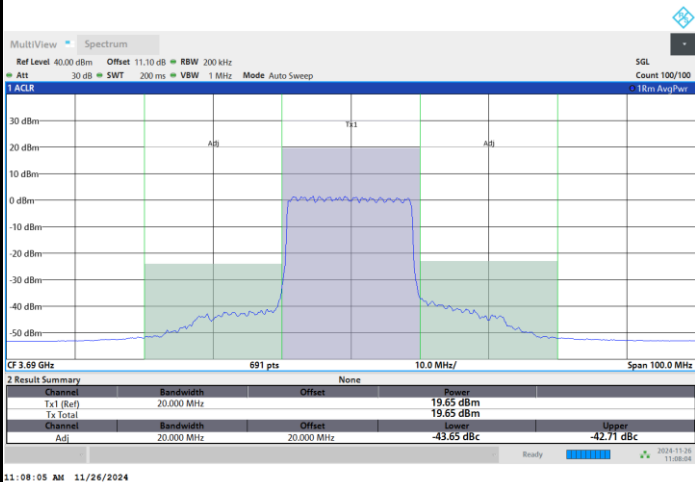
Highest Channel

1RB0

1RBmax



Full RB



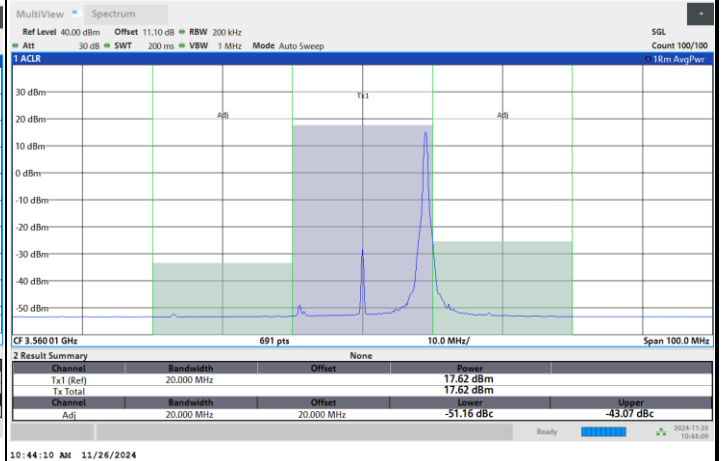
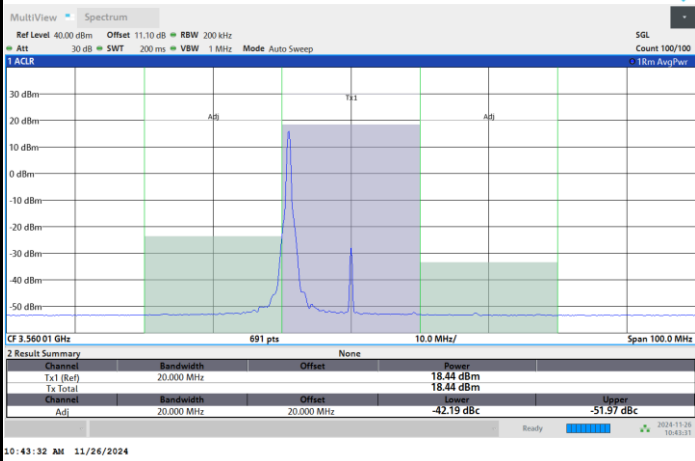


FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

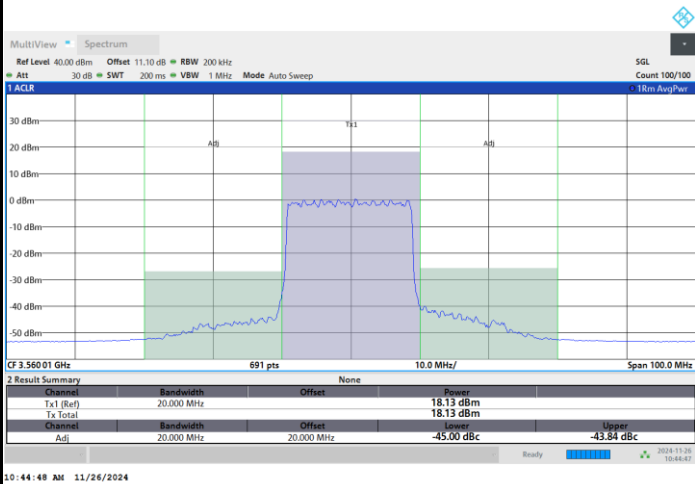
Lowest Channel

1RB0

1RBmax



Full RB



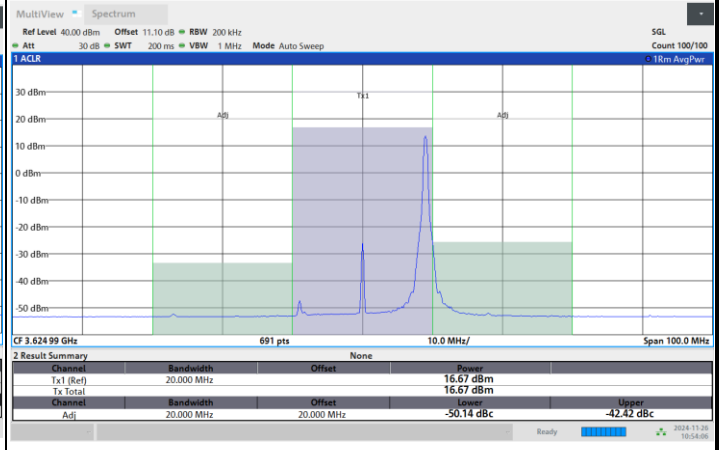
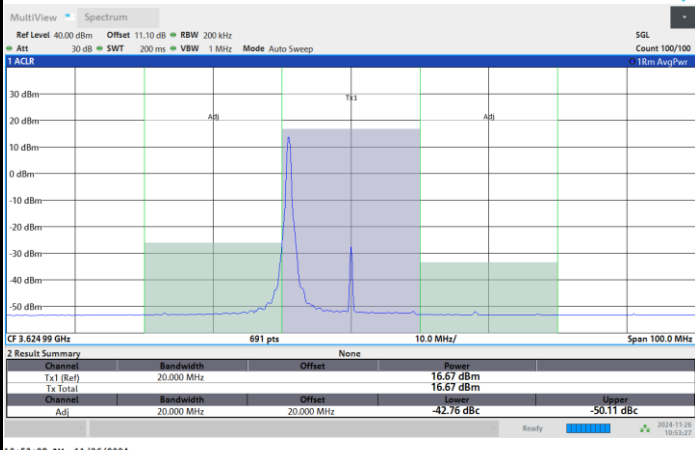


FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

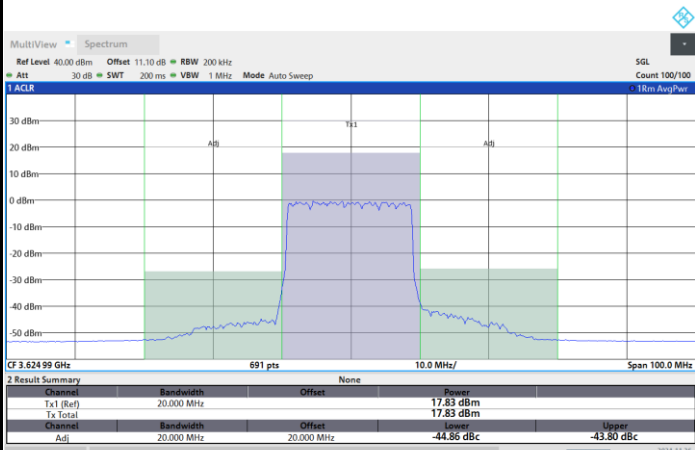
Middle Channel

1RB0

1RBmax



Full RB



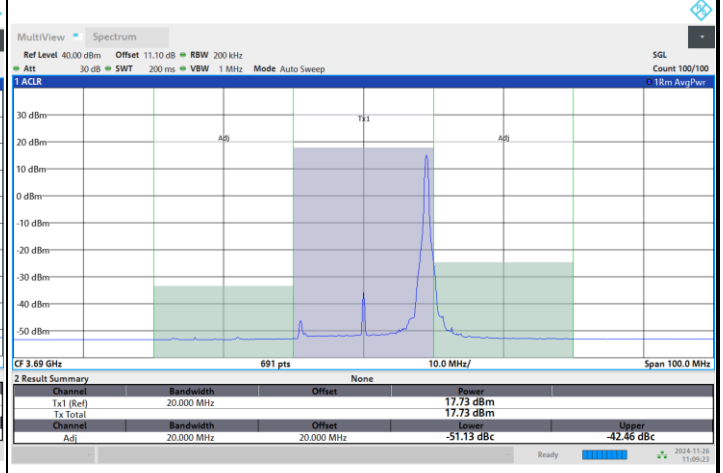
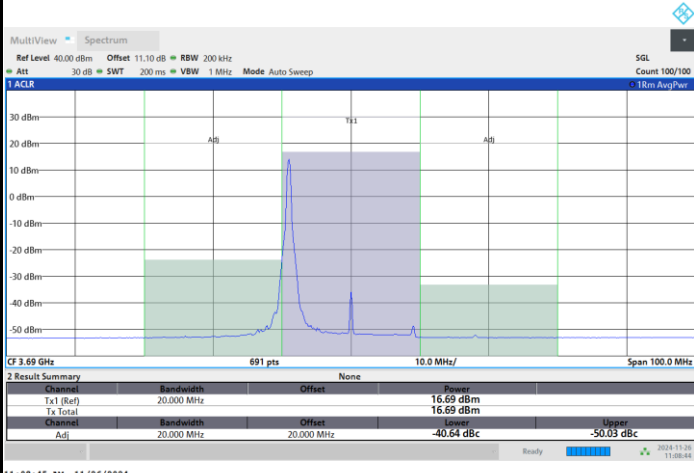


FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

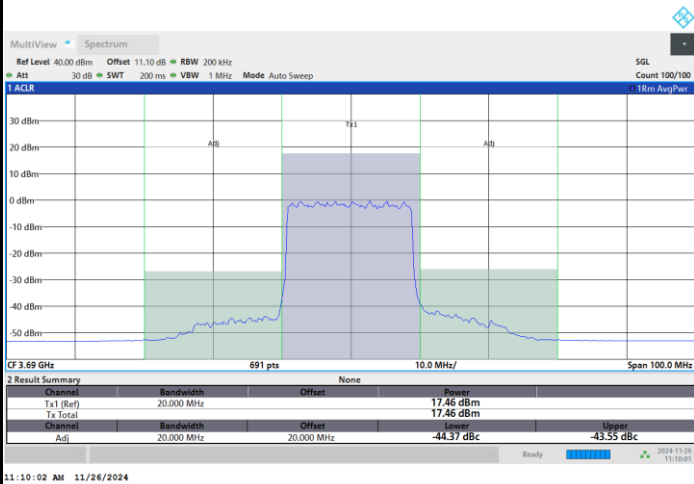
Highest Channel

1RB0

1RBmax



Full RB

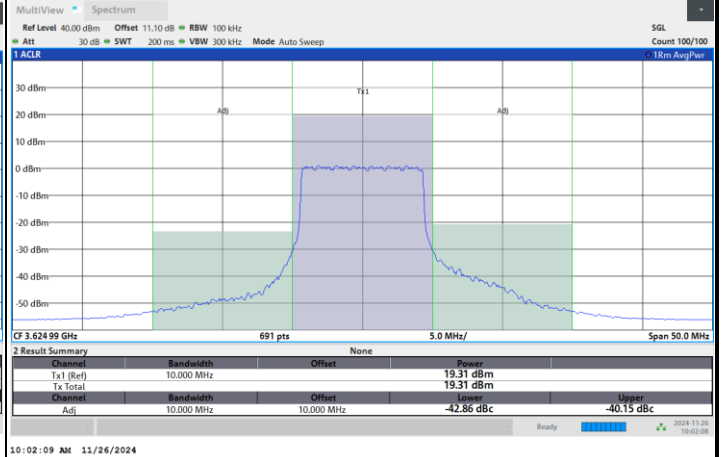
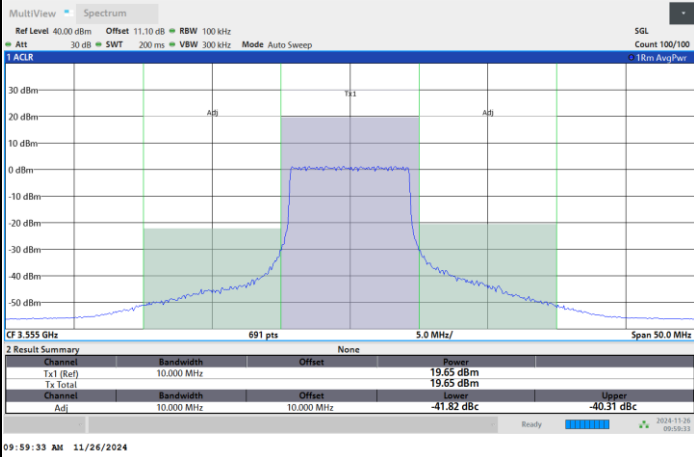




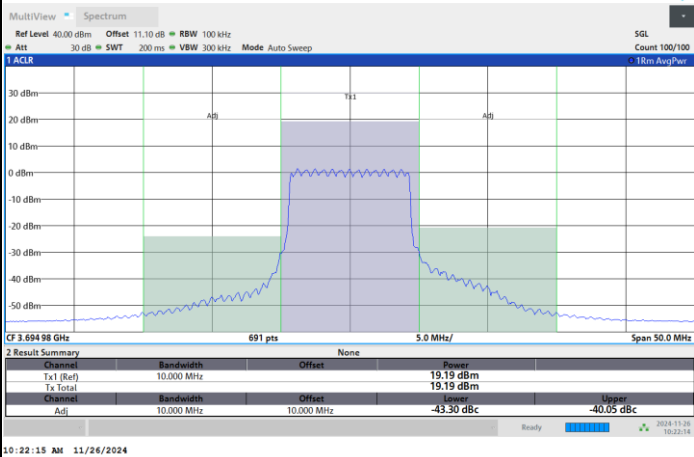
FR1 n48 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Channel

Middle Channel



Highest Channel

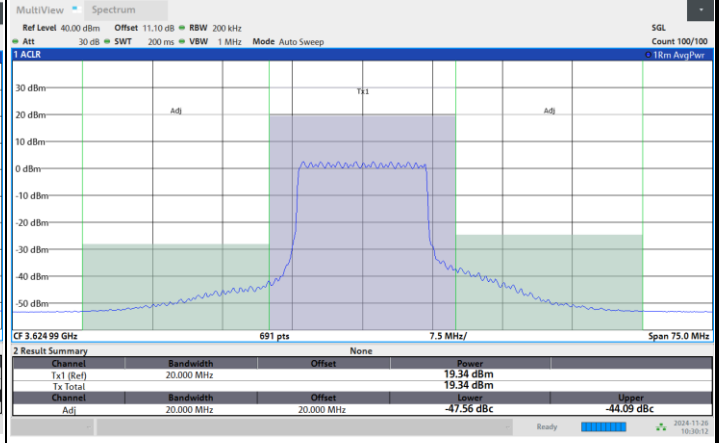
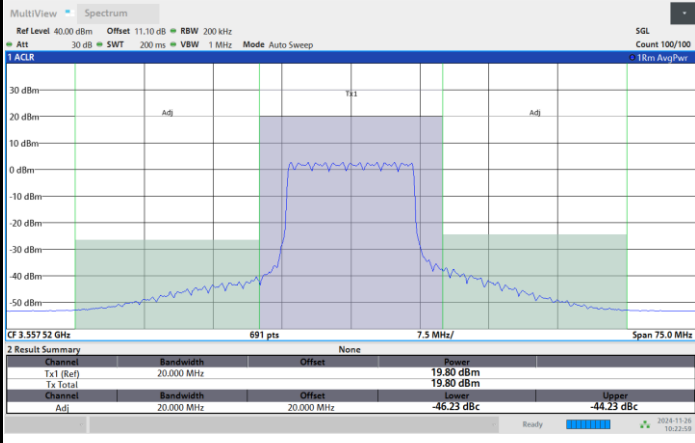




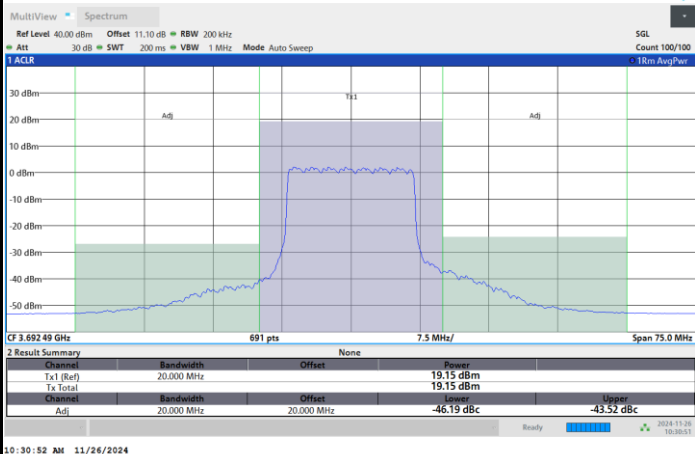
FR1 n48 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Channel

Middle Channel



Highest Channel

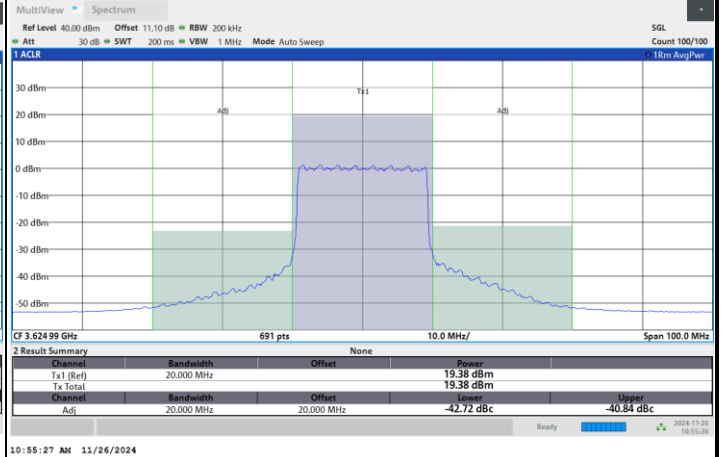




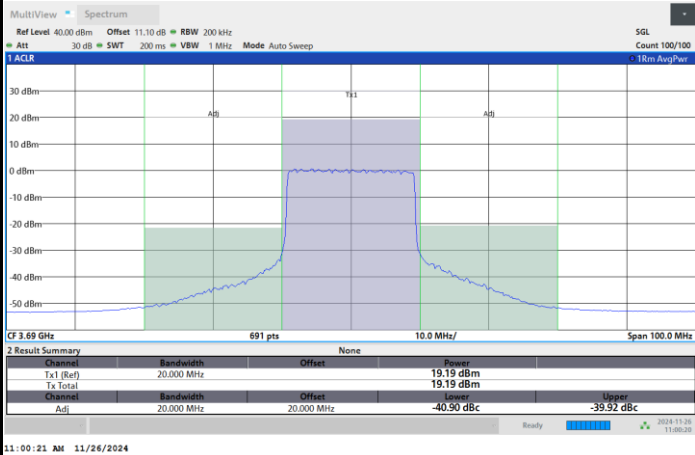
FR1 n48 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Channel

Middle Channel



Highest Channel

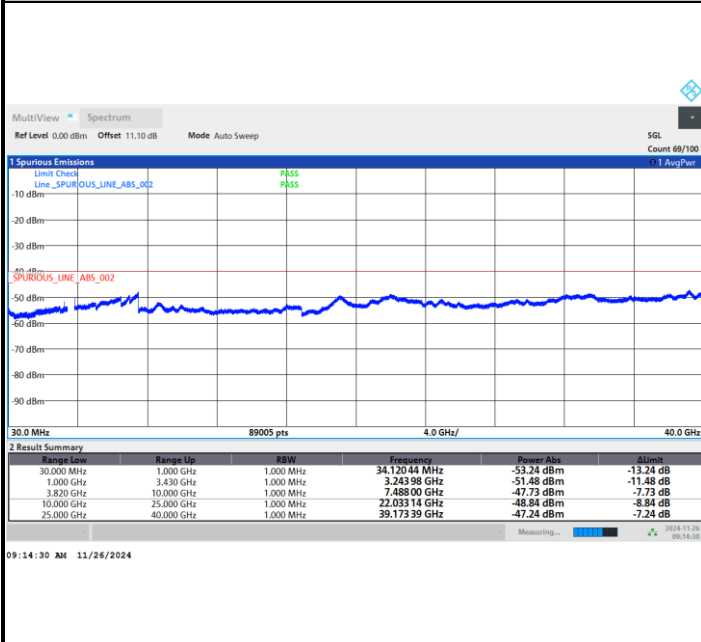




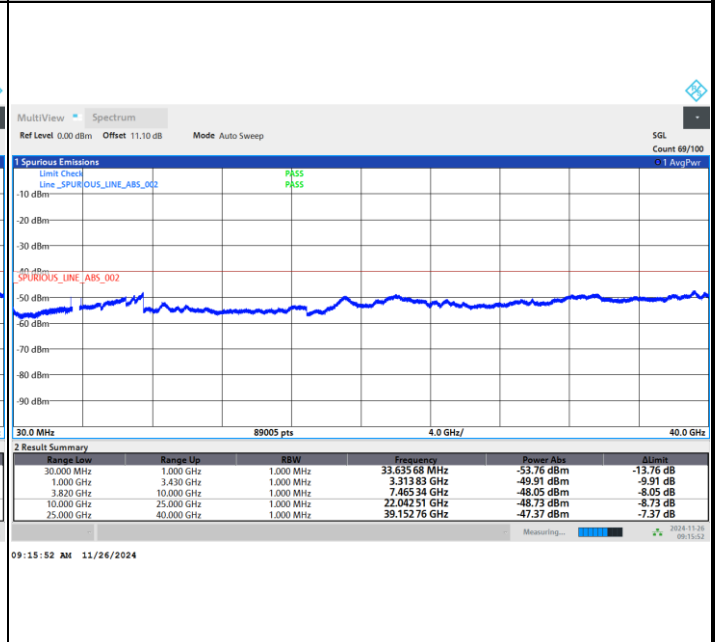
Conducted Spurious Emission

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

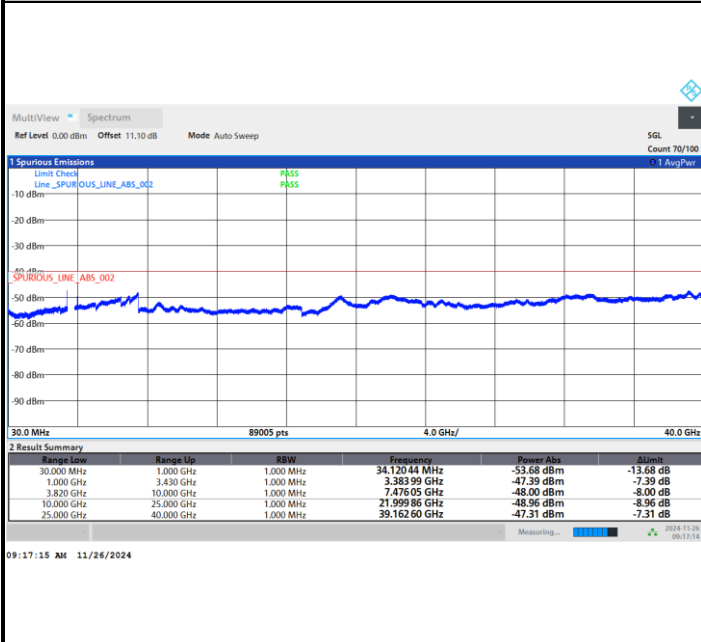
Lowest Channel



Middle Channel



Highest Channel

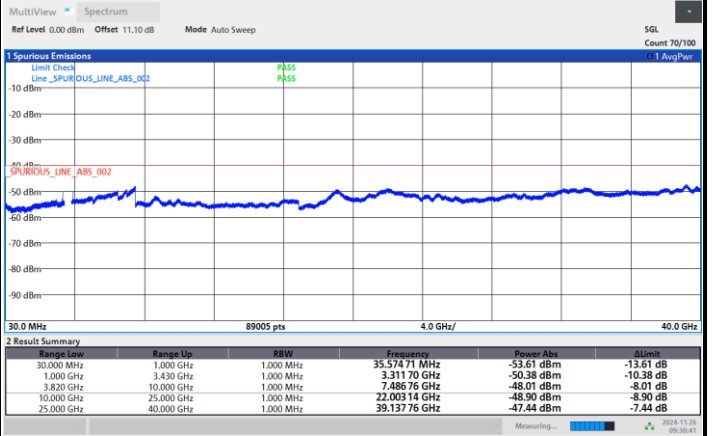
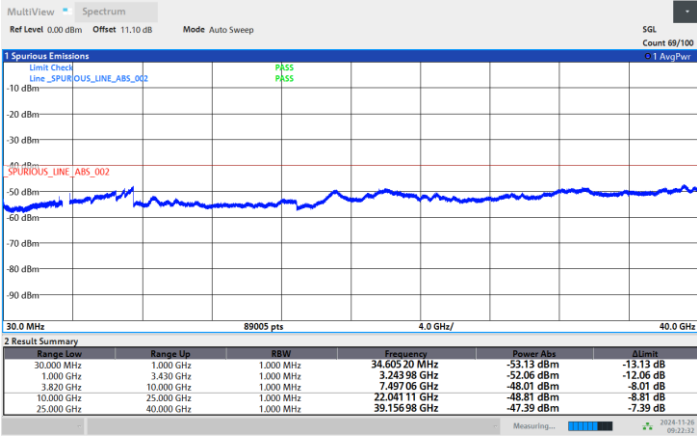




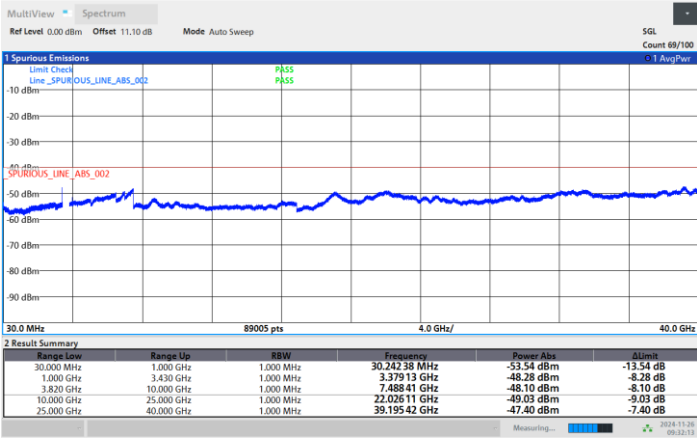
FR1 n48 / 15MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel

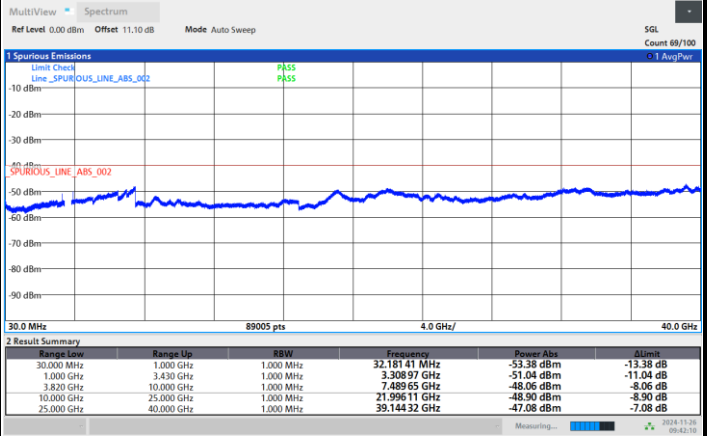
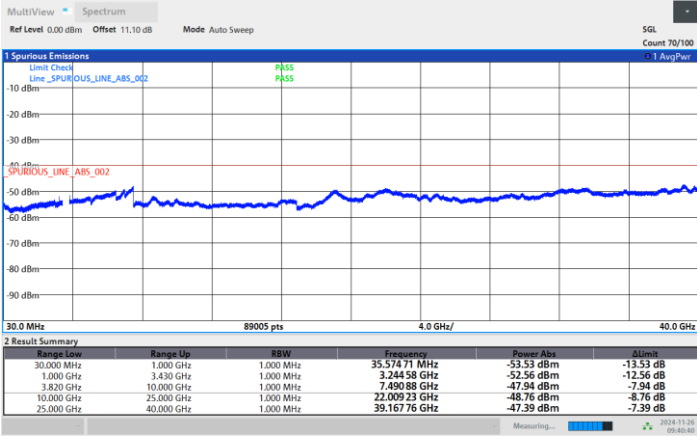




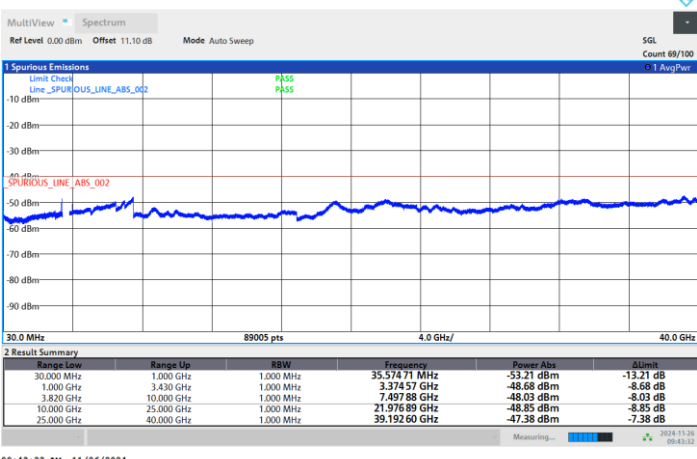
FR1 n48 / 20MHz / DFT-S OFDM / QPSK / 1RB1

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	0.0143	PASS
40	Normal Voltage	0.0110	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0191	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0157	
-20	Normal Voltage	0.0107	
-30	Normal Voltage	0.0129	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0054	
20	Minimum Voltage	0.0028	

Note:

- 1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 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)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	PoI	Ant
3	Part 96	NR SA n48	H	14725	-49.30	RMS	41.35	-22.54	0.74	-95.23	26.38	-40.00	-9.30	H	Ant. 1
4	Part 96	NR SA n48	M	7233	-48.22	RMS	36.57	-20.81	1.00	-95.23	30.25	-40.00	-8.22	V	Ant. 4

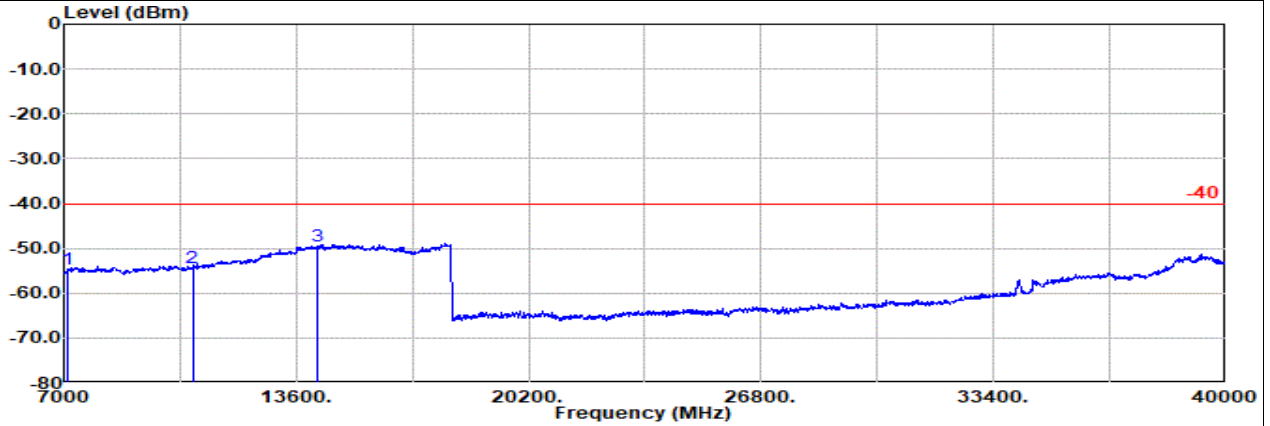


Ant. 1

Part 96 Mode 3

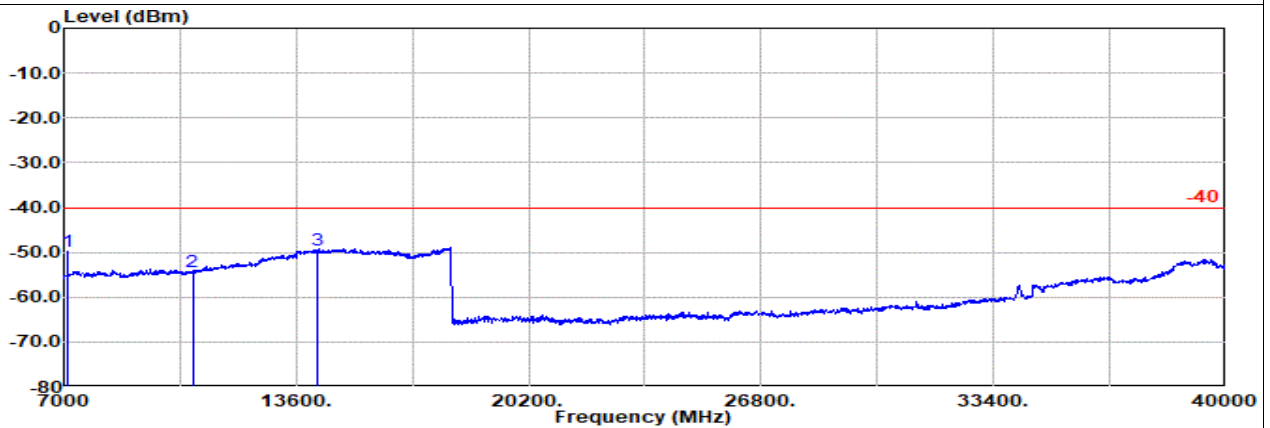
NR SA n48 20M Ch637334 1RB1 BPSK

L



Site : 03CH21-HY
 Condition: -40 1m BBHA9170_1230_241025 Horizontal
 : SA n48 20M Ch637334 1RB1 BPSK

No	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol	
				Factor	dB						dB
1	7103.00	-54.79	RMS	36.31	-20.88	1.00	-95.23	24.01	-40.00	-14.79	Horizontal
2	10654.00	-54.48	RMS	37.50	-21.43	0.89	-95.23	23.79	-40.00	-14.48	Horizontal
3	14205.00	-49.64	RMS	41.20	-21.96	0.65	-95.23	25.70	-40.00	-9.64	Horizontal



Site : 03CH21-HY
 Condition: -40 1m BBHA9170_1230_241025 Vertical
 : SA n48 20M Ch637334 1RB1 BPSK

No	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol	
				Factor	dB						dB
1	7103.00	-49.86	RMS	36.31	-20.88	1.00	-95.23	28.94	-40.00	-9.86	Vertical
2	10654.00	-54.20	RMS	37.50	-21.43	0.89	-95.23	24.07	-40.00	-14.20	Vertical
3	14205.00	-49.52	RMS	41.20	-21.96	0.65	-95.23	25.82	-40.00	-9.52	Vertical

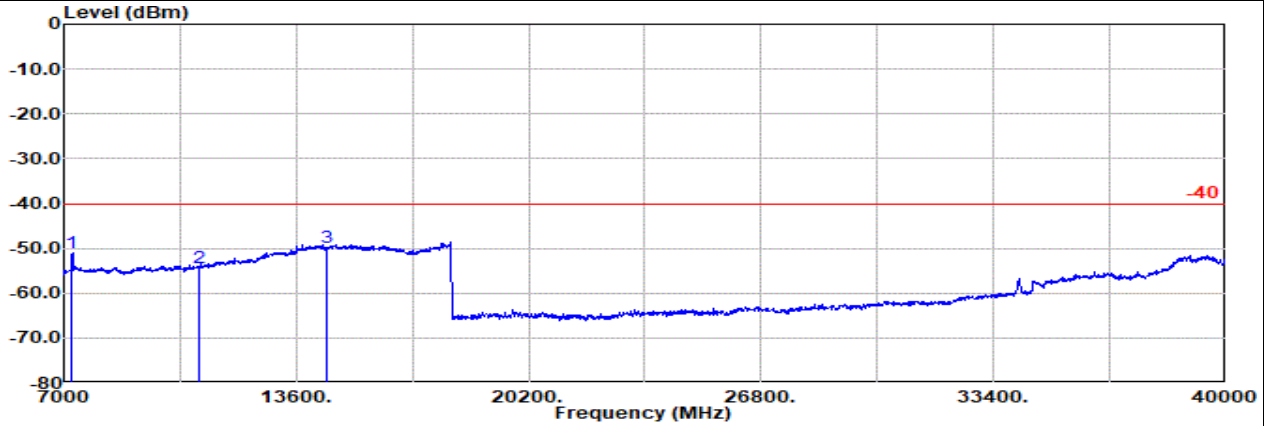


Ant. 1

Part 96 Mode 3

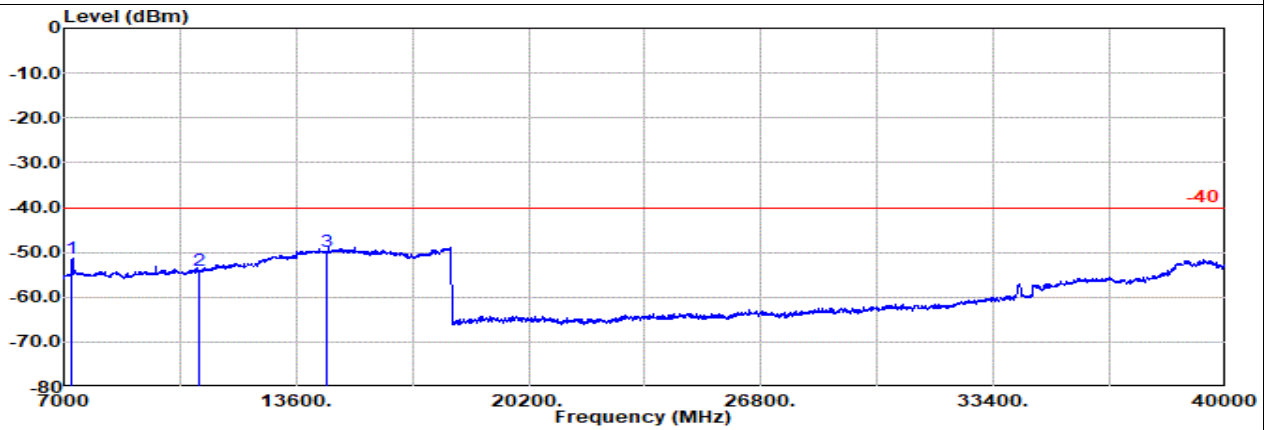
NR SA n48 20M Ch641666 1RB1 BPSK

M



Site : 03CH21-HY
 Condition: -40 1m BBHA9170_1230_241025 Horizontal
 : SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.00	-51.00	RMS	36.57	-20.81	1.00	-95.23	27.47	-40.00	-11.00	Horizontal
2	10849.00	-54.23	RMS	37.50	-21.41	0.90	-95.23	24.01	-40.00	-14.23	Horizontal
3	14465.00	-49.83	RMS	41.23	-22.55	0.70	-95.23	26.02	-40.00	-9.83	Horizontal



Site : 03CH21-HY
 Condition: -40 1m BBHA9170_1230_241025 Vertical
 : SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.00	-51.17	RMS	36.57	-20.81	1.00	-95.23	27.30	-40.00	-11.17	Vertical
2	10849.00	-54.06	RMS	37.50	-21.41	0.90	-95.23	24.18	-40.00	-14.06	Vertical
3	14465.00	-49.76	RMS	41.23	-22.55	0.70	-95.23	26.09	-40.00	-9.76	Vertical

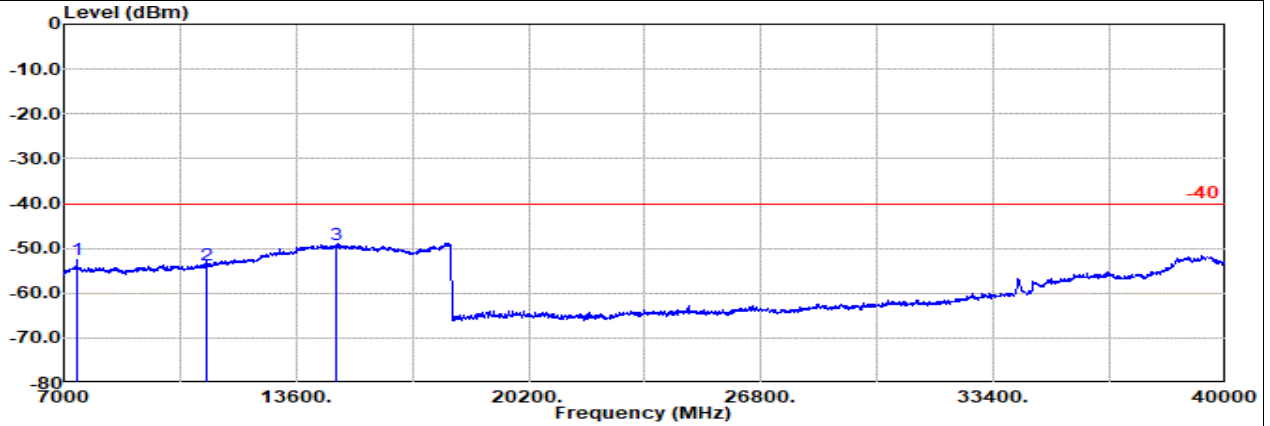


Ant. 1

Part 96 Mode 3

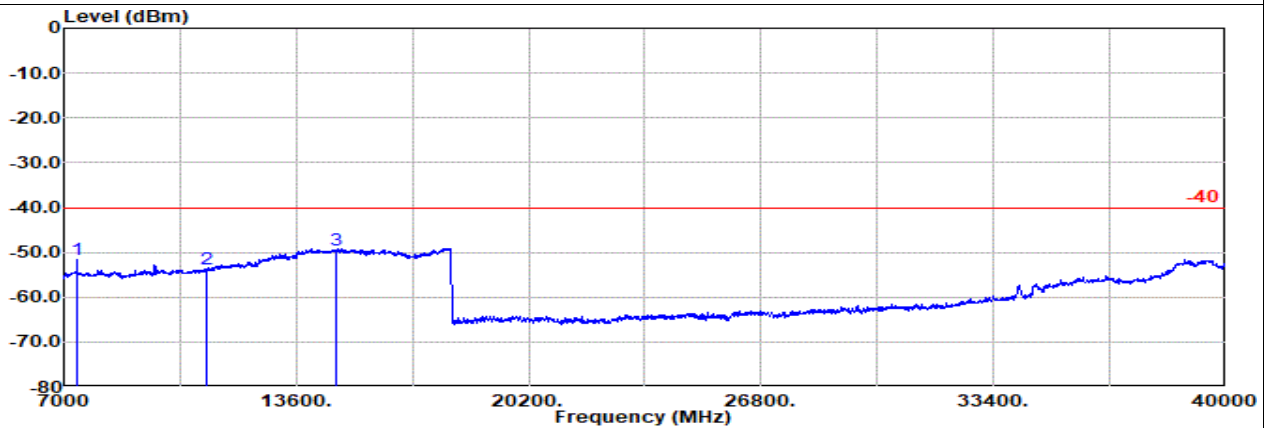
NR SA n48 20M Ch646000 1RB1 BPSK

H



Site : 03CH21-HY
 Condition: -40 1m BBHA9170_1230_241025 Horizontal
 : SA n48 20M Ch646000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol	
				Factor	1						dB
1	7363.00	-52.53	RMS	36.80	-20.74	1.06	-95.23	25.58	-40.00	-12.53	Horizontal
2	11044.00	-53.81	RMS	37.79	-21.41	0.91	-95.23	24.13	-40.00	-13.81	Horizontal
3	14725.00	-49.30	RMS	41.35	-22.54	0.74	-95.23	26.38	-40.00	-9.30	Horizontal



Site : 03CH21-HY
 Condition: -40 1m BBHA9170_1230_241025 Vertical
 : SA n48 20M Ch646000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol	
				Factor	1						dB
1	7363.00	-51.49	RMS	36.80	-20.74	1.06	-95.23	26.62	-40.00	-11.49	Vertical
2	11044.00	-53.75	RMS	37.79	-21.41	0.91	-95.23	24.19	-40.00	-13.75	Vertical
3	14725.00	-49.39	RMS	41.35	-22.54	0.74	-95.23	26.29	-40.00	-9.39	Vertical

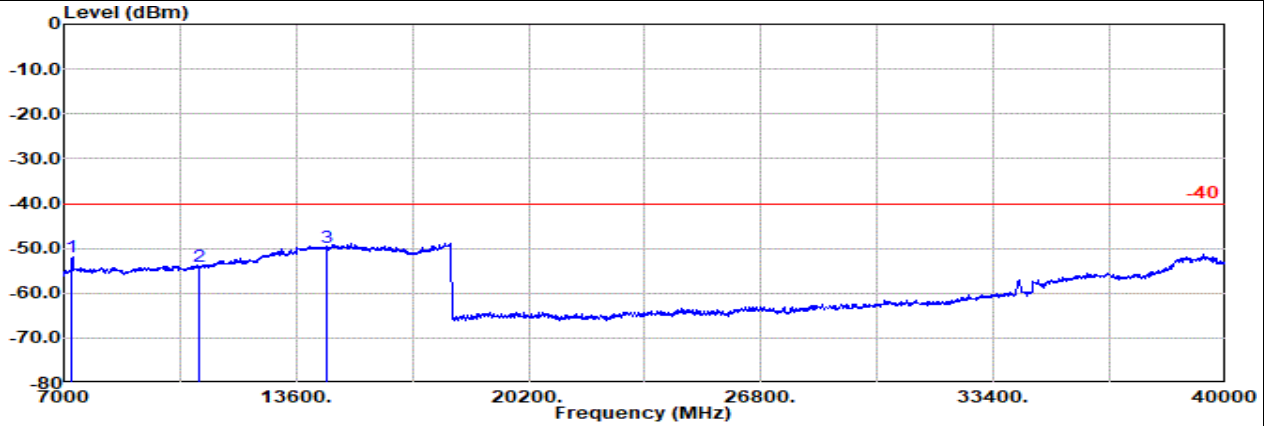


Ant. 4

Part 96 Mode 4

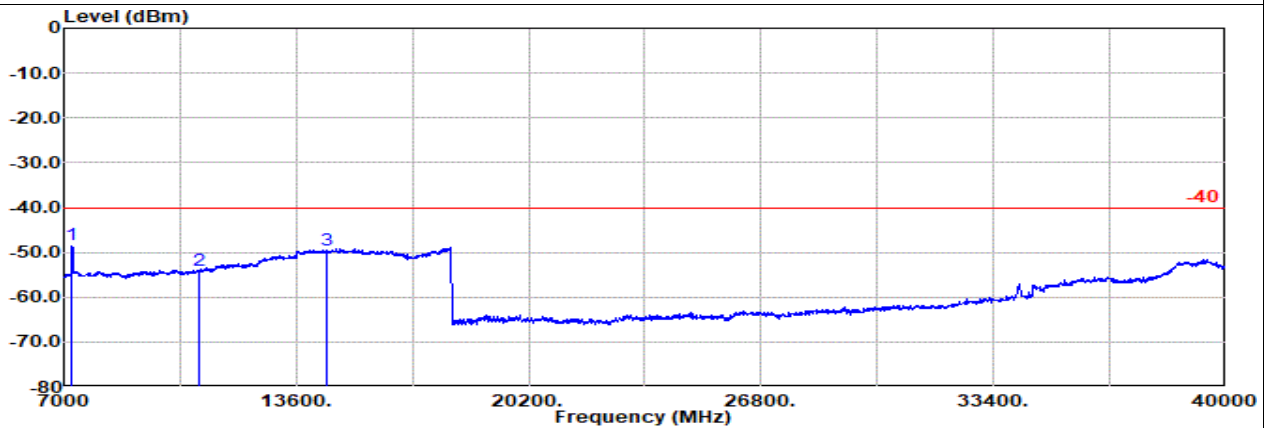
NR SA n48 20M Ch641666 1RB1 BPSK

M



Site : 03CH21-HY
 Condition: -40 1m BBHA9170_1230_241025 Horizontal
 : SA n48 20M Ch641666 1RB1 BPSK

1	2	3	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
						Factor	1						
			7233.00	-51.93	RMS	36.57	-20.81	1.00	-95.23	26.54	-40.00	-11.93	Horizontal
			10849.00	-54.10	RMS	37.50	-21.41	0.90	-95.23	24.14	-40.00	-14.10	Horizontal
			14465.00	-49.74	RMS	41.23	-22.55	0.70	-95.23	26.11	-40.00	-9.74	Horizontal



Site : 03CH21-HY
 Condition: -40 1m BBHA9170_1230_241025 Vertical
 : SA n48 20M Ch641666 1RB1 BPSK

1	2	3	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
						Factor	1						
			7233.00	-48.22	RMS	36.57	-20.81	1.00	-95.23	30.25	-40.00	-8.22	Vertical
			10849.00	-54.13	RMS	37.50	-21.41	0.90	-95.23	24.11	-40.00	-14.13	Vertical
			14465.00	-49.59	RMS	41.23	-22.55	0.70	-95.23	26.26	-40.00	-9.59	Vertical

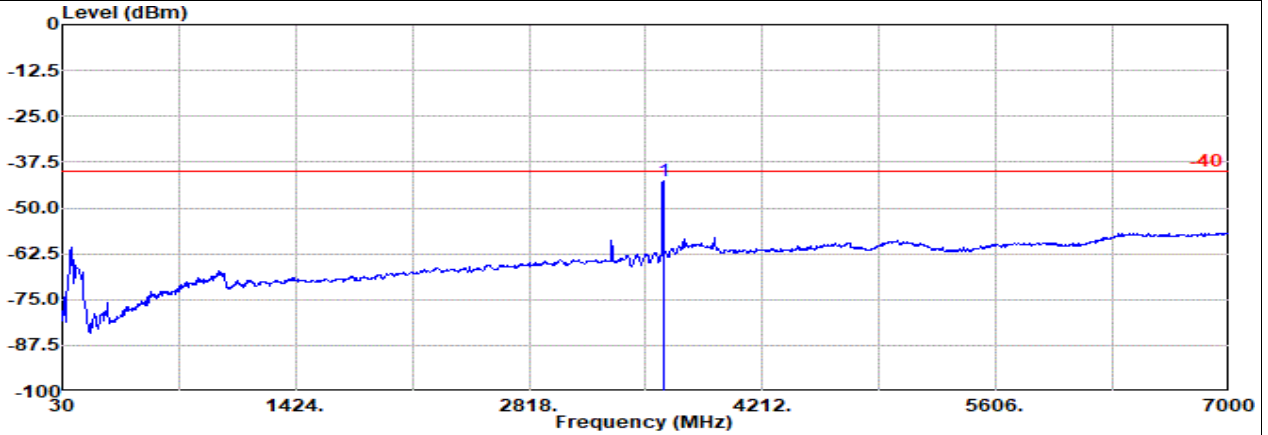


Ant. 4

Part 96 Mode 4

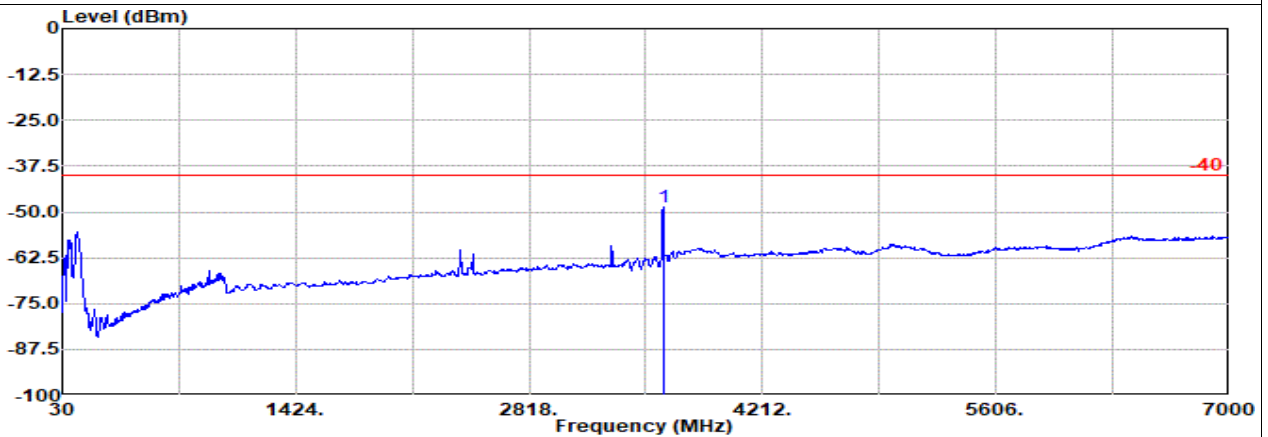
NR SA n48 20M Ch641666 1RB1 BPSK

M



Site : 03CH21-HY
 Condition: -40 3m DRH18-E_LE2C03A18EN_240711 Horizontal
 : SA n48 20M Ch641666 1RB1 BPSK
 : #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	dB			dB	dBuV		
1	3622.00	-42.54	RMS	29.23	-22.34	0.55	-95.23	45.25	-40.00	-2.54	Horizontal



Site : 03CH21-HY
 Condition: -40 3m DRH18-E_LE2C03A18EN_240711 Vertical
 : SA n48 20M Ch641666 1RB1 BPSK
 : #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	dB			dB	dBuV		
1	3622.00	-48.59	RMS	29.23	-22.34	0.55	-95.23	39.20	-40.00	-8.59	Vertical

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