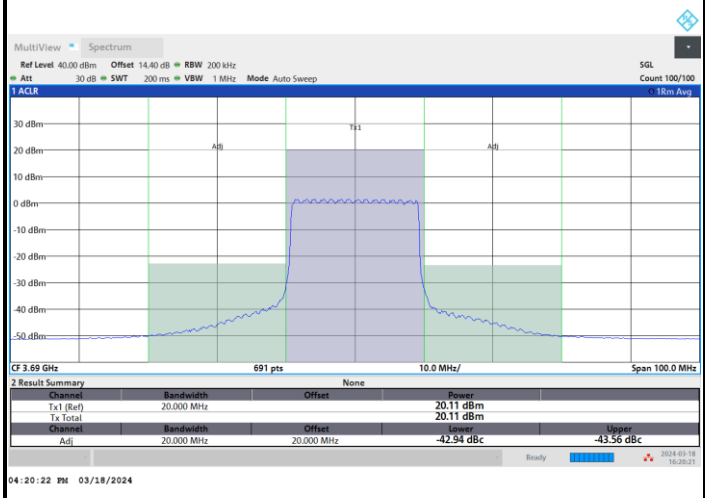
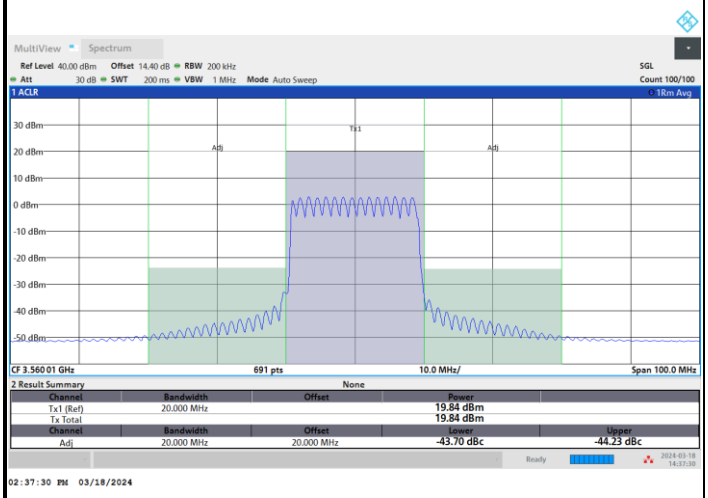
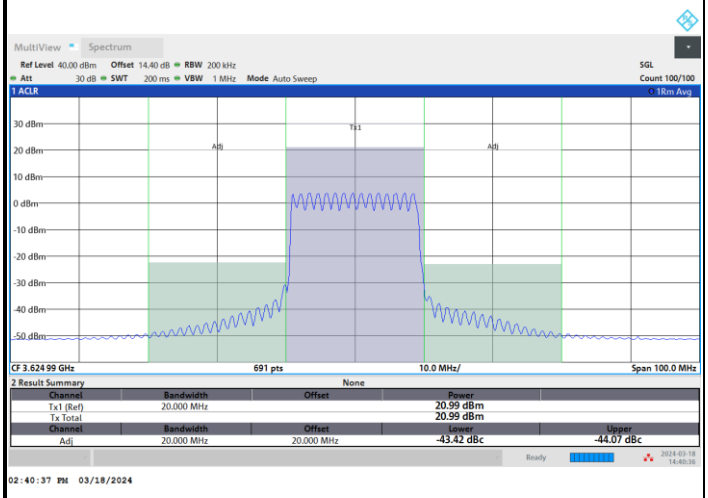
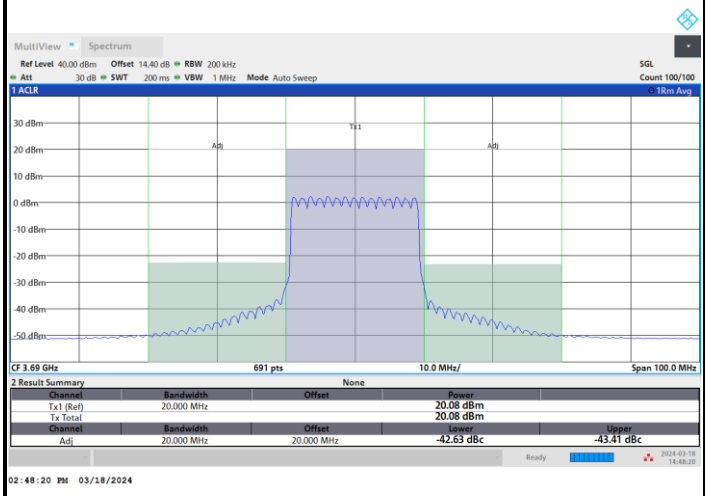
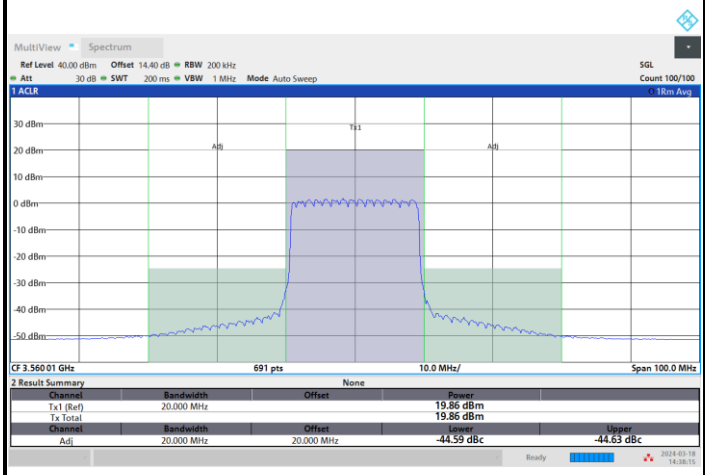
FR1 n48 / 20MHz / CP OFDM / QPSK	
Highest Channel	
Full RB	
	

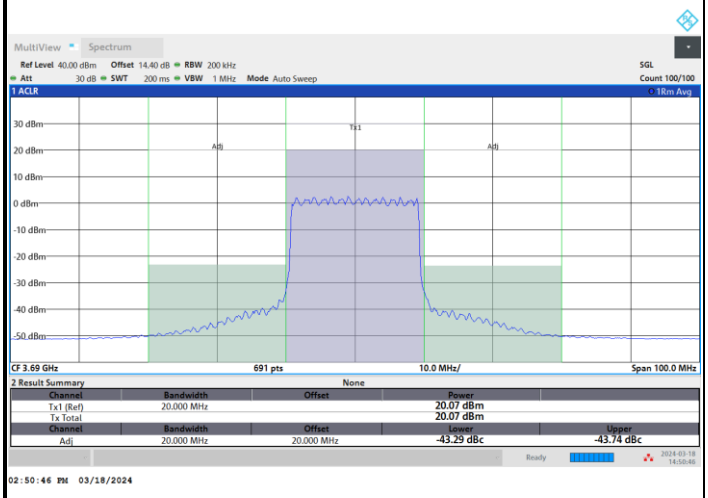
FR1 n48 / 20MHz / CP OFDM / 16QAM	
Lowest Channel	
Full RB	
	

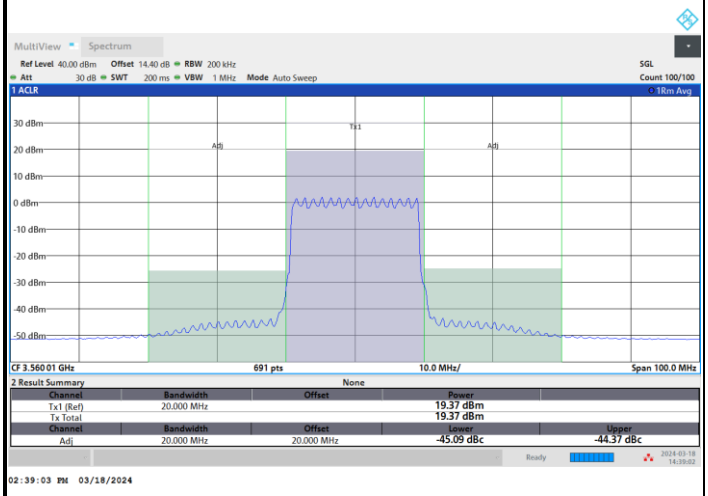
FR1 n48 / 20MHz / CP OFDM / 16QAM	
Middle Channel	
Full RB	
	

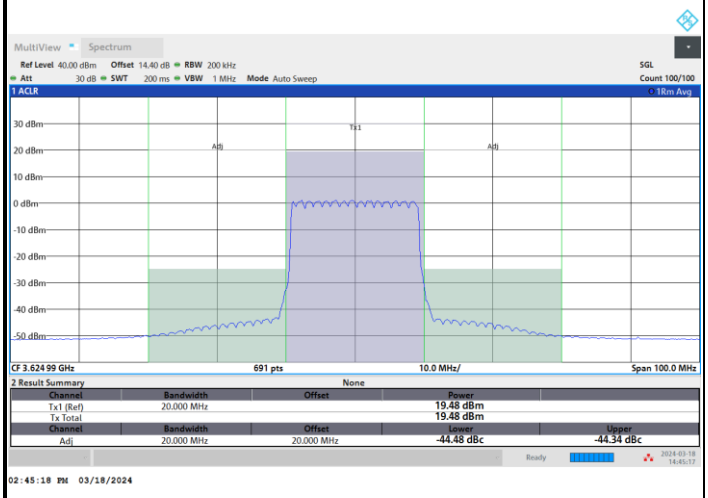
FR1 n48 / 20MHz / CP OFDM / 16QAM	
Highest Channel	
Full RB	
	

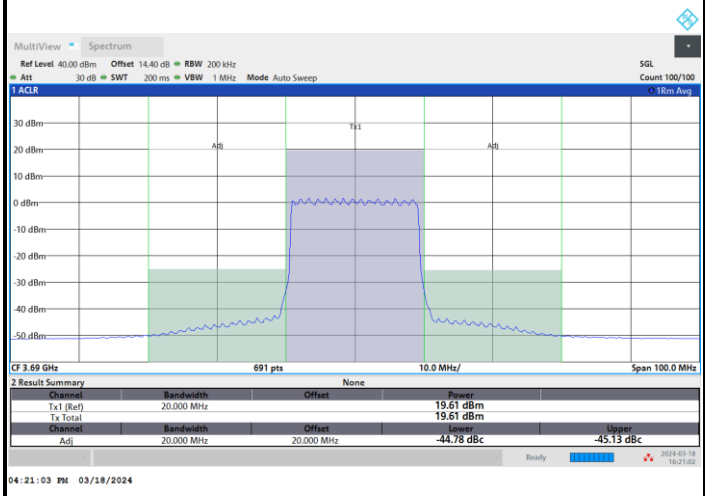
FR1 n48 / 20MHz / CP OFDM / 64QAM	
Lowest Channel	
Full RB	
	

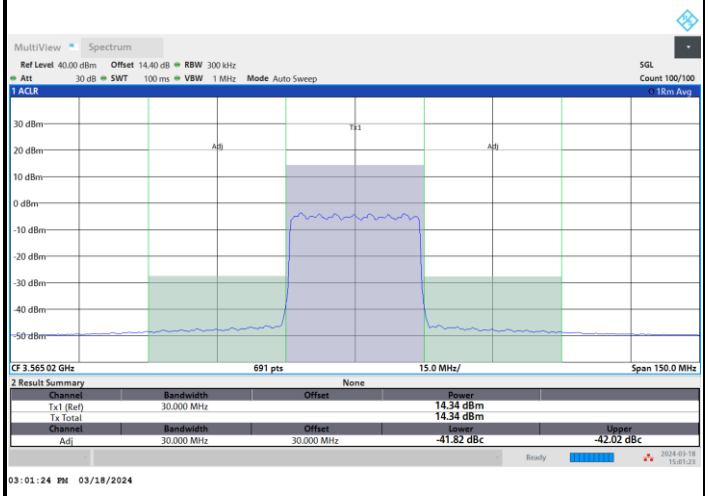
FR1 n48 / 20MHz / CP OFDM / 64QAM	
Middle Channel	
Full RB	
	

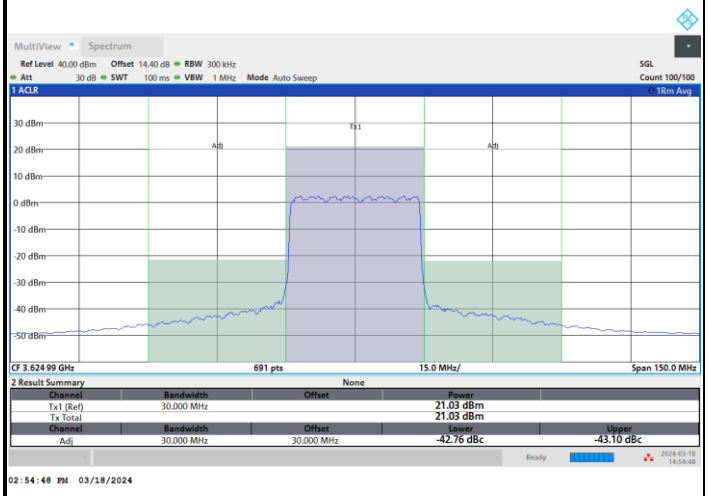
FR1 n48 / 20MHz / CP OFDM / 64QAM	
Highest Channel	
Full RB	
	

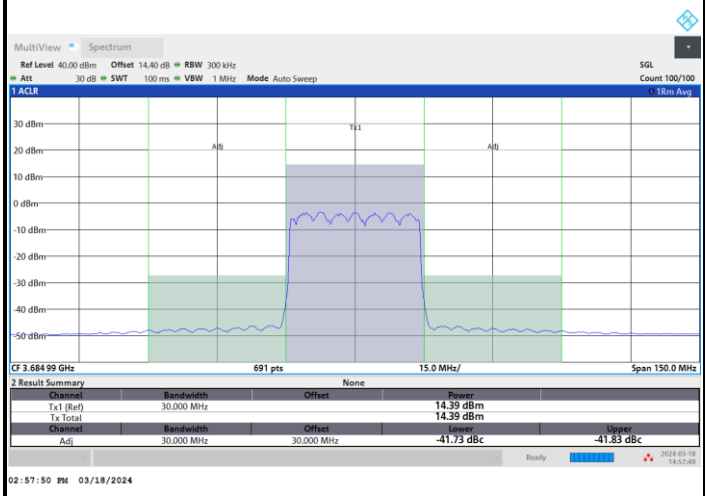
FR1 n48 / 20MHz / CP OFDM / 256QAM	
Lowest Channel	
Full RB	
	

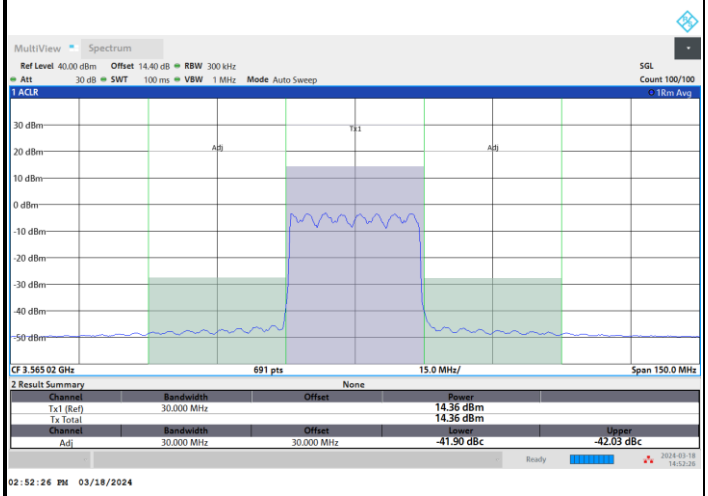
FR1 n48 / 20MHz / CP OFDM / 256QAM	
Middle Channel	
Full RB	
	

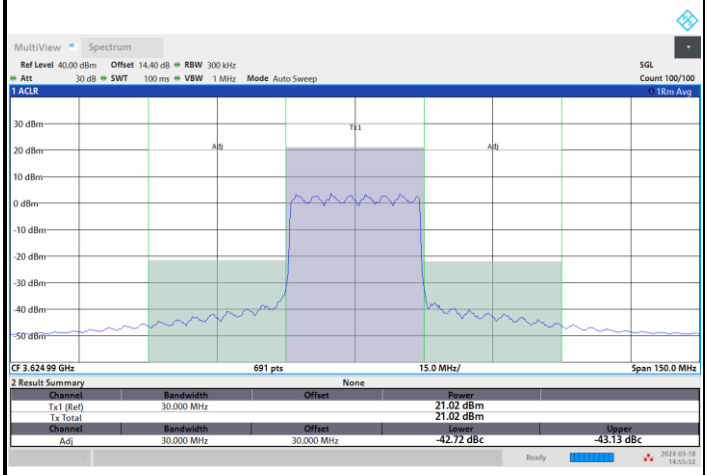
FR1 n48 / 20MHz / CP OFDM / 256QAM	
Highest Channel	
Full RB	
	

FR1 n48 / 30MHz / CP OFDM / QPSK	
Lowest Channel	
Full RB	
	

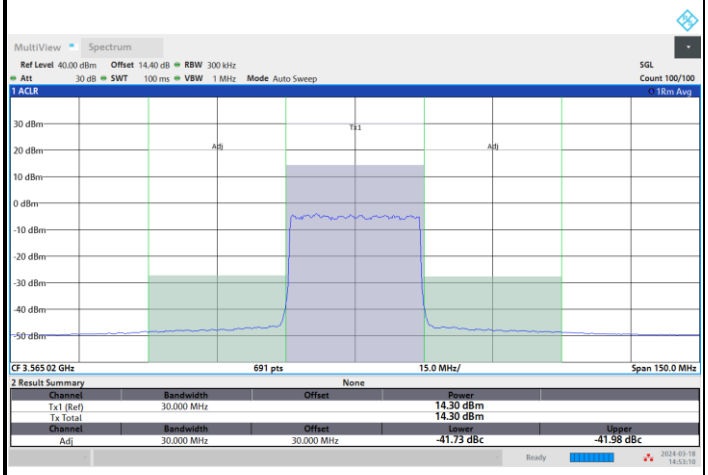
FR1 n48 / 30MHz / CP OFDM / QPSK	
Middle Channel	
Full RB	
	

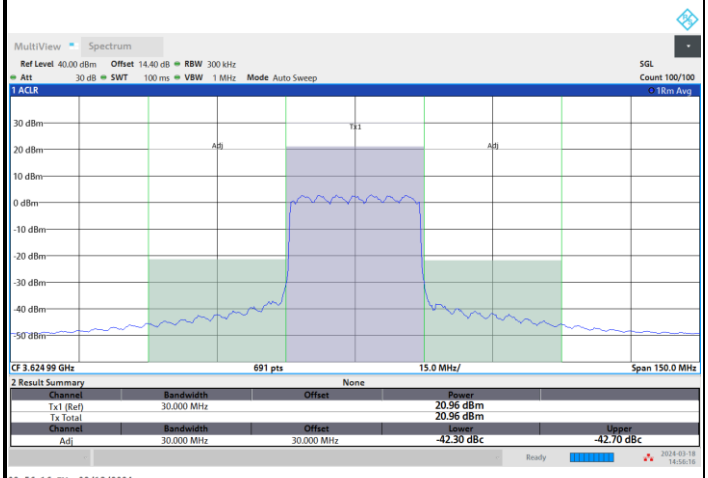
FR1 n48 / 30MHz / CP OFDM / QPSK	
Highest Channel	
Full RB	
	

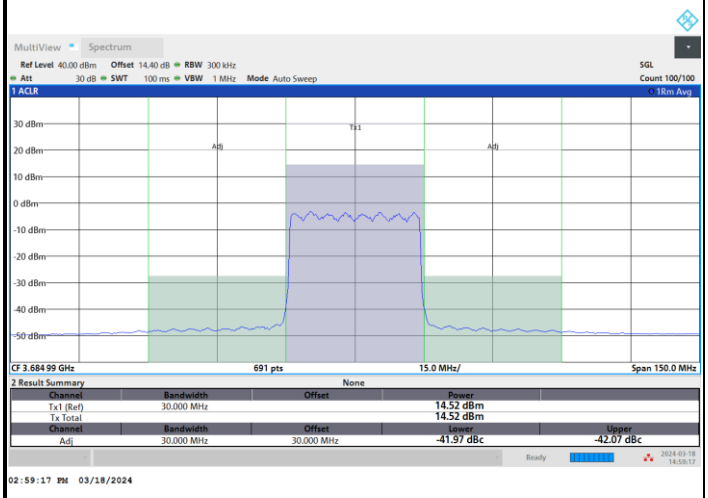
FR1 n48 / 30MHz / CP OFDM / 16QAM	
Lowest Channel	
Full RB	
	

FR1 n48 / 30MHz / CP OFDM / 16QAM	
Middle Channel	
Full RB	
	

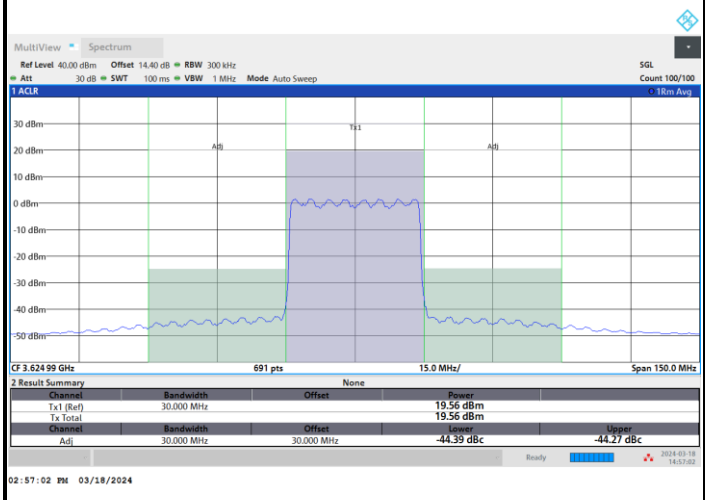
FR1 n48 / 30MHz / CP OFDM / 16QAM	
Highest Channel	
Full RB	
	

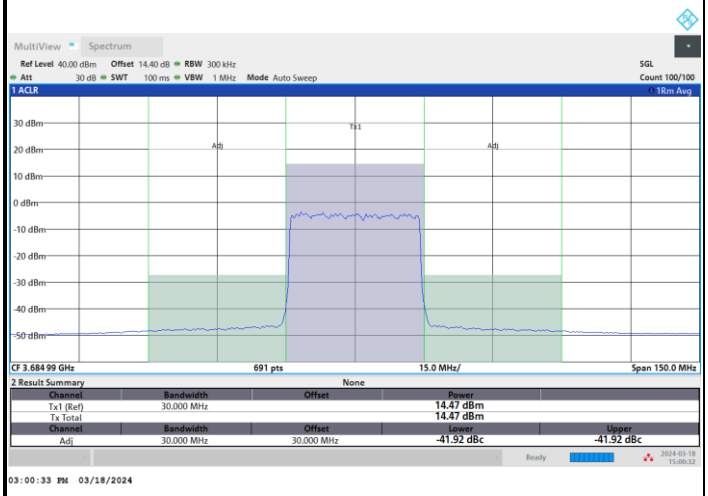
FR1 n48 / 30MHz / CP OFDM / 64QAM	
Lowest Channel	
Full RB	
	

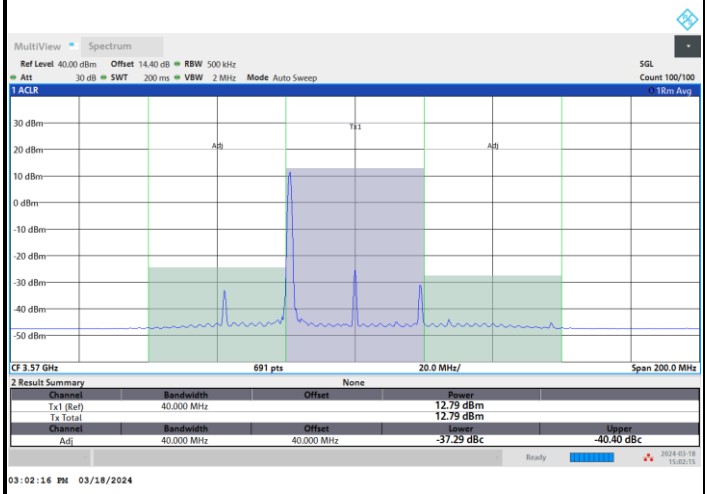
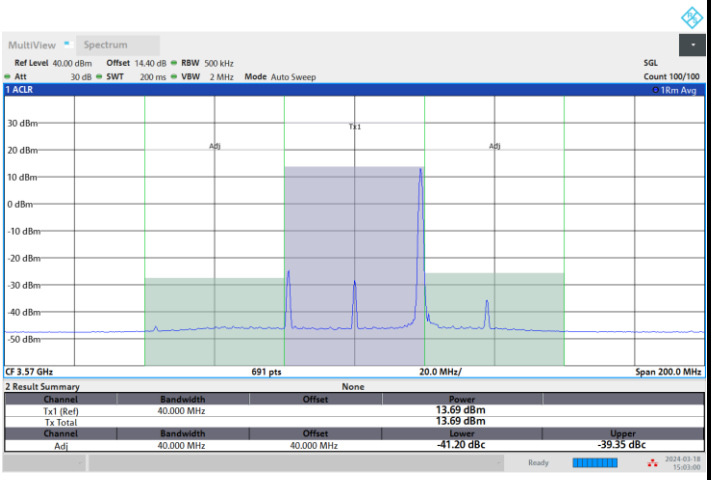
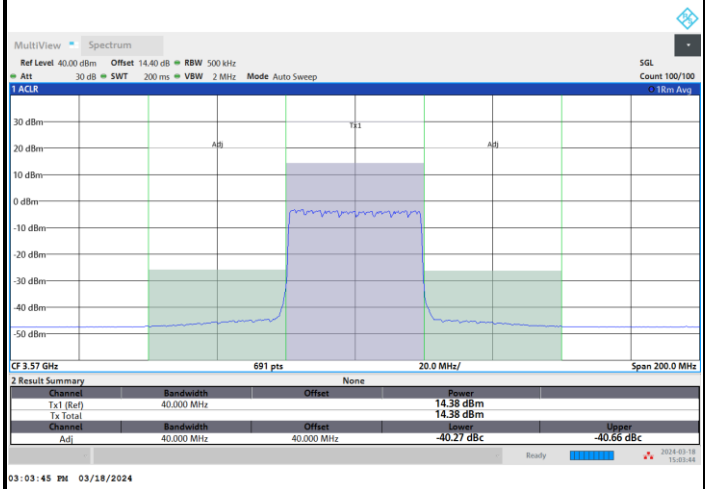
FR1 n48 / 30MHz / CP OFDM / 64QAM	
Middle Channel	
Full RB	
	

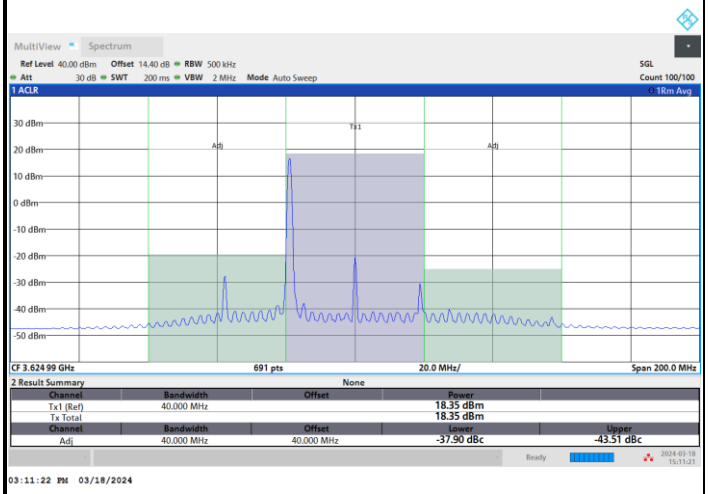
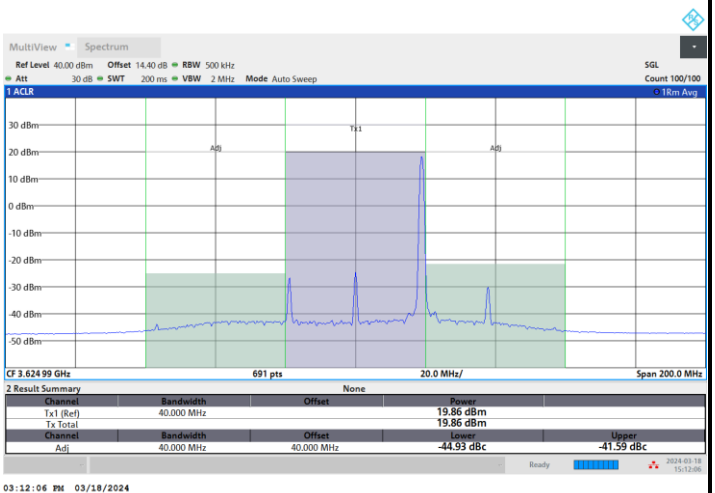
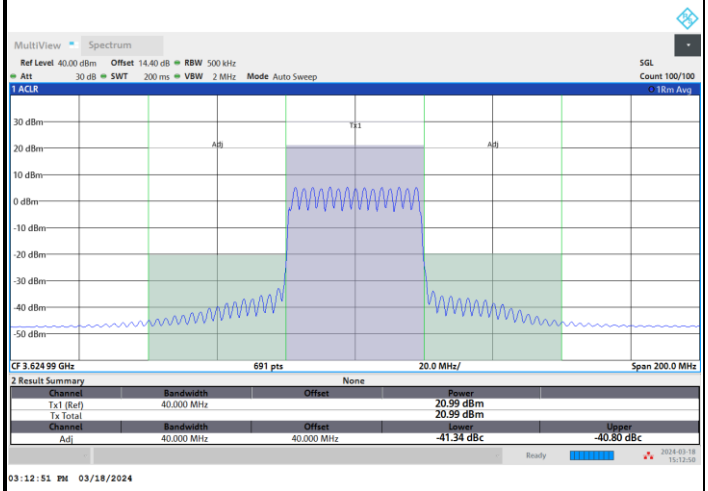
FR1 n48 / 30MHz / CP OFDM / 64QAM	
Highest Channel	
Full RB	
	

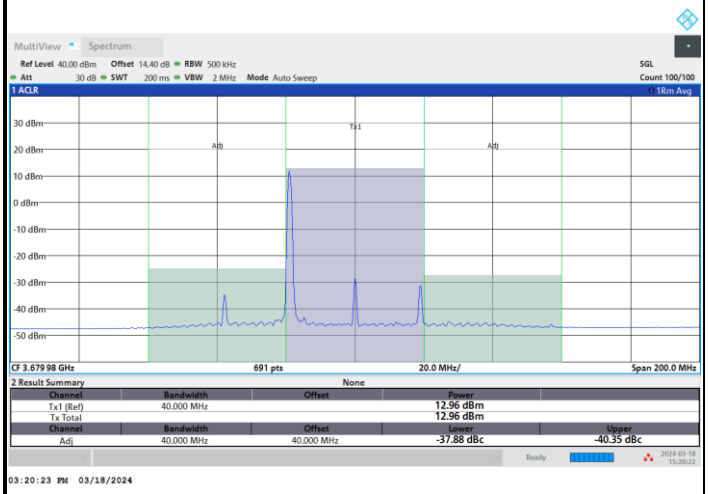
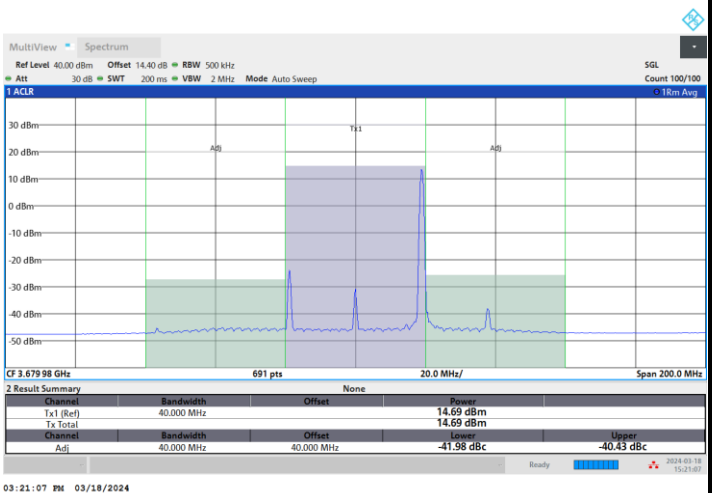
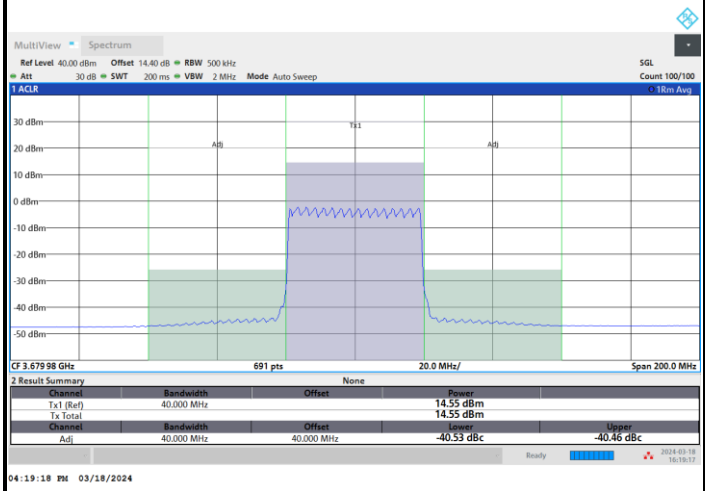
FR1 n48 / 30MHz / CP OFDM / 256QAM	
Lowest Channel	
Full RB	
	

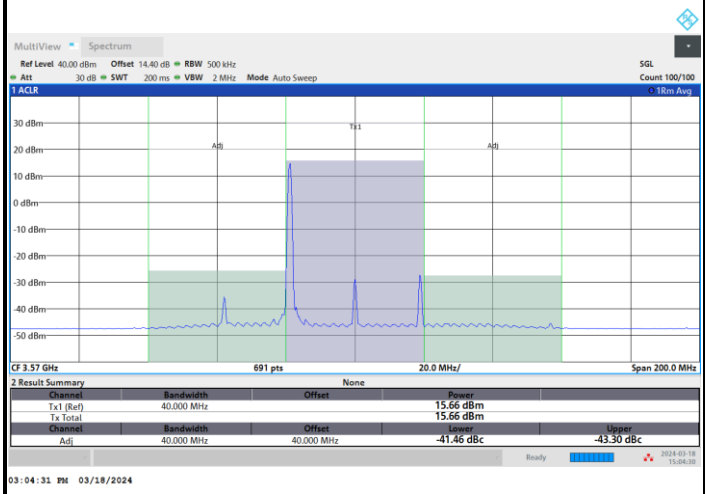
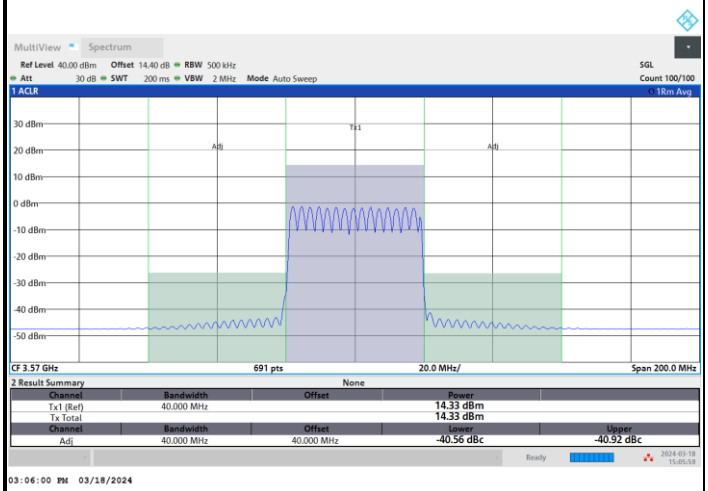
FR1 n48 / 30MHz / CP OFDM / 256QAM	
Middle Channel	
Full RB	
	

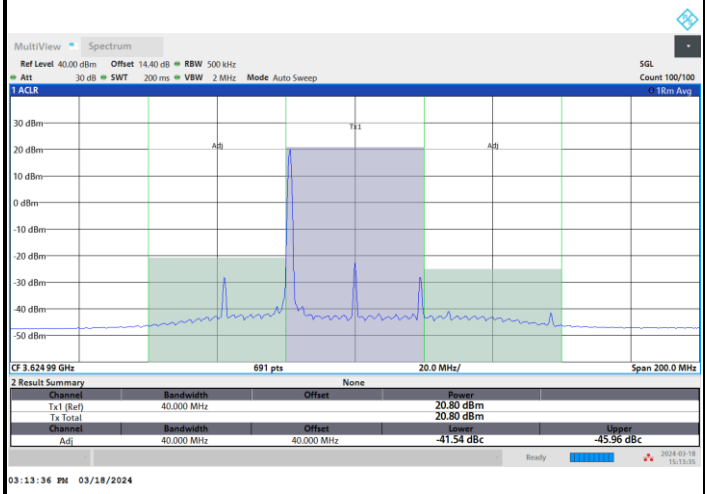
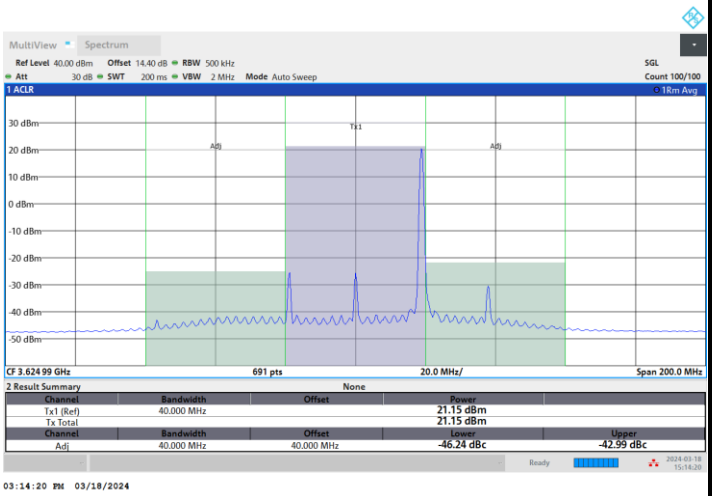
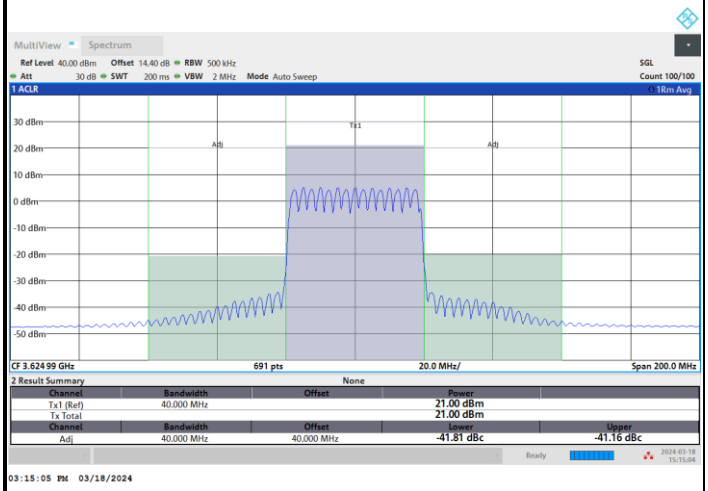
FR1 n48 / 30MHz / CP OFDM / 256QAM	
Highest Channel	
Full RB	
	

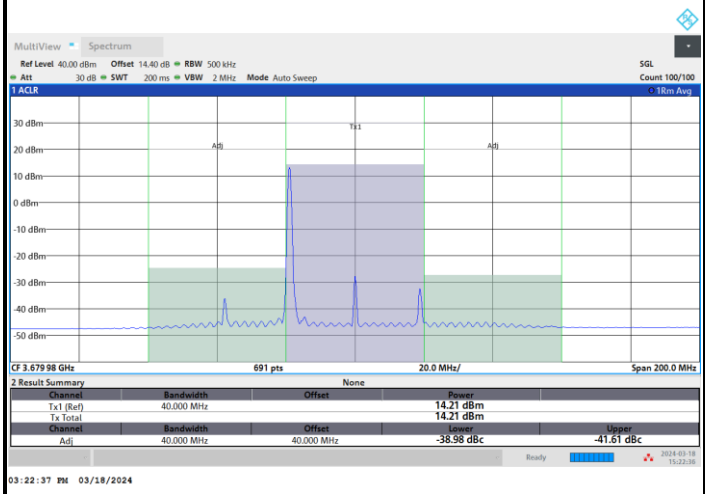
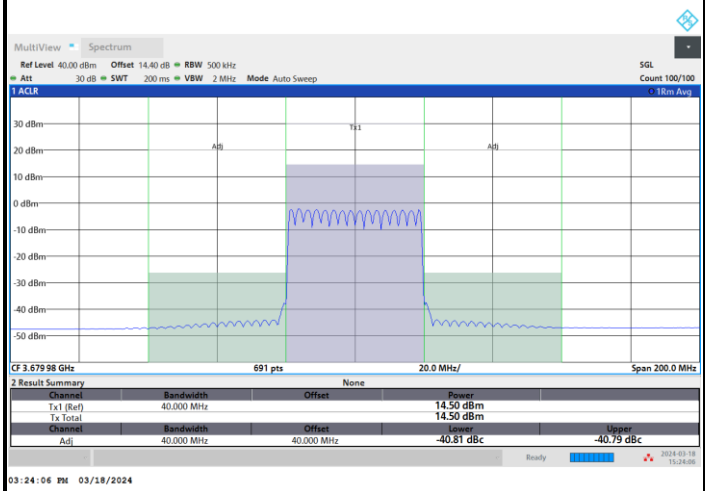
FR1 n48 / 40MHz / CP OFDM / QPSK	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

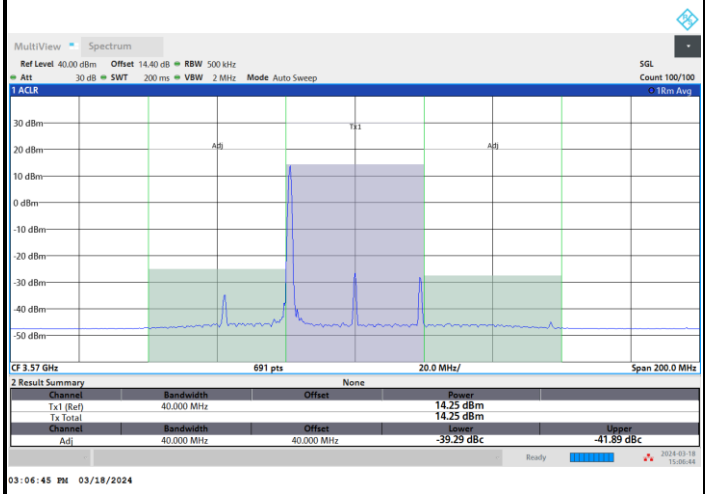
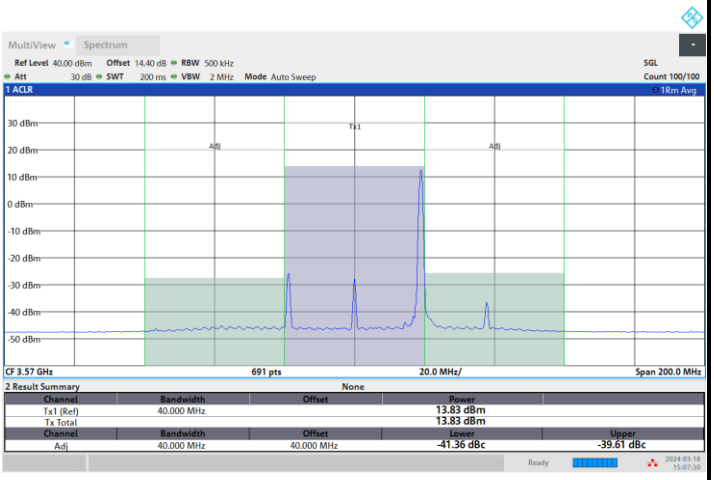
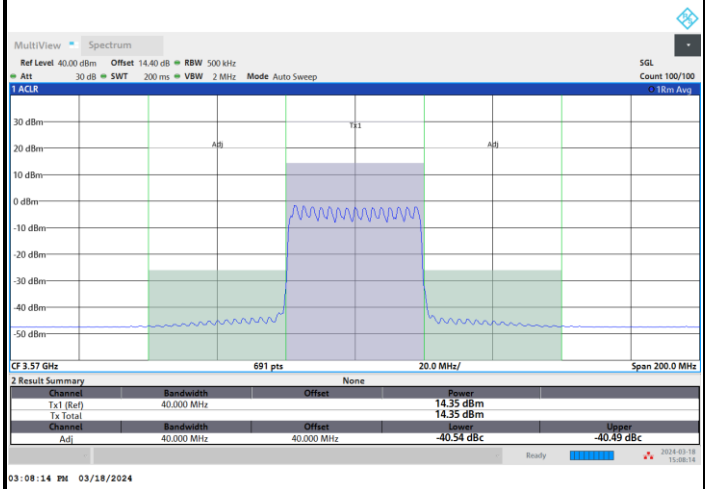
FR1 n48 / 40MHz / CP OFDM / QPSK	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

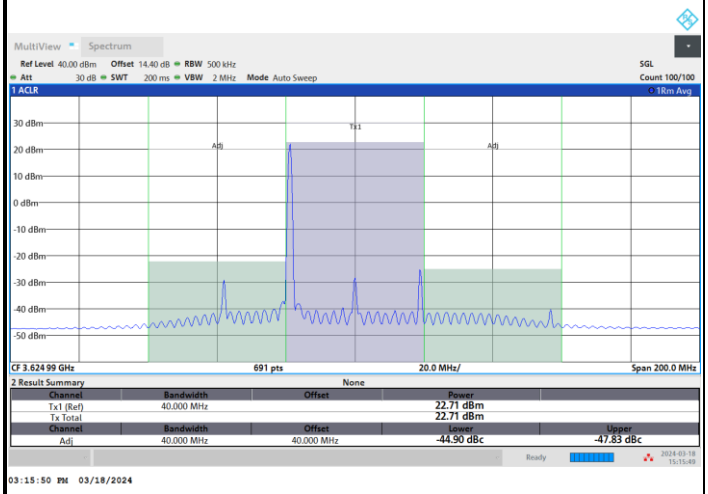
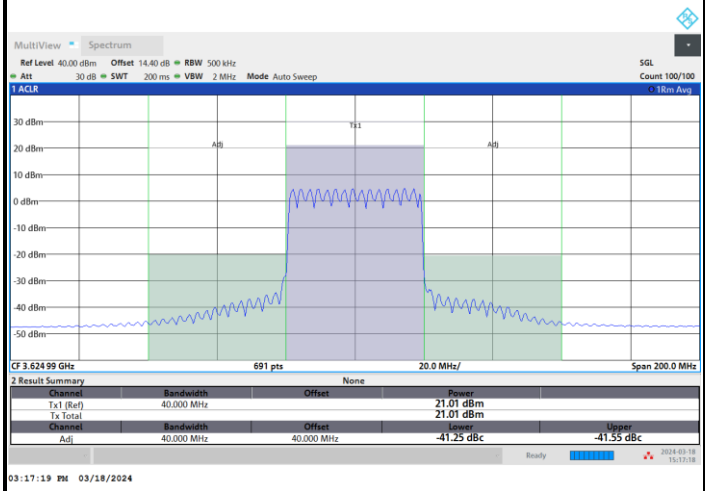
FR1 n48 / 40MHz / CP OFDM / QPSK	
Highest Channel	
1RB0	**1RBmax**
	
Full RB	
	

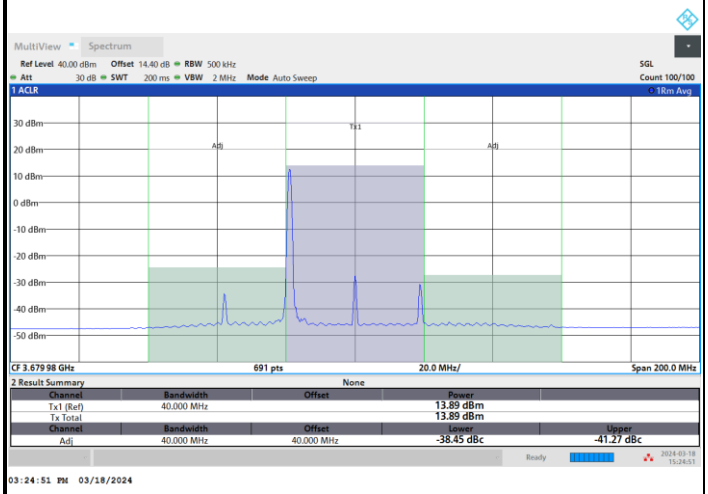
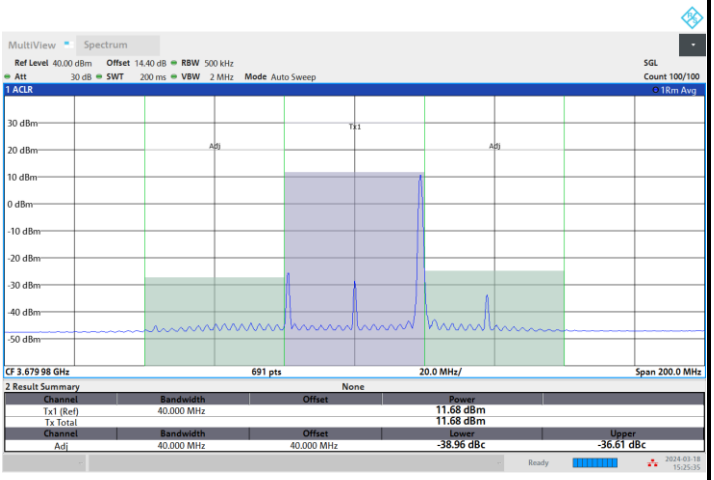
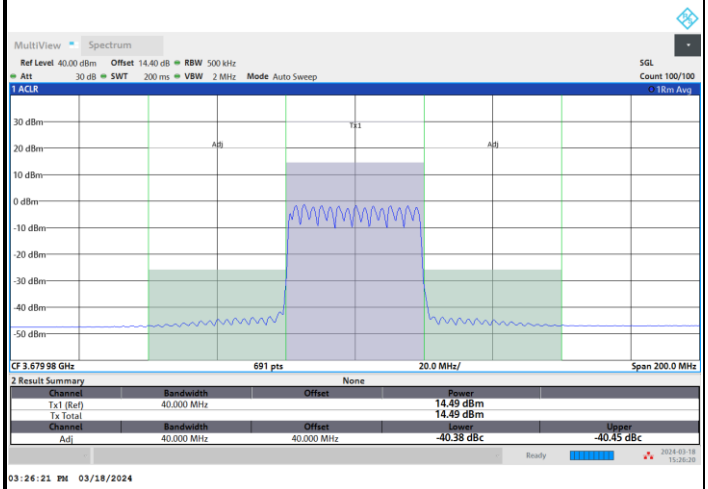
FR1 n48 / 40MHz / CP OFDM / 16QAM	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

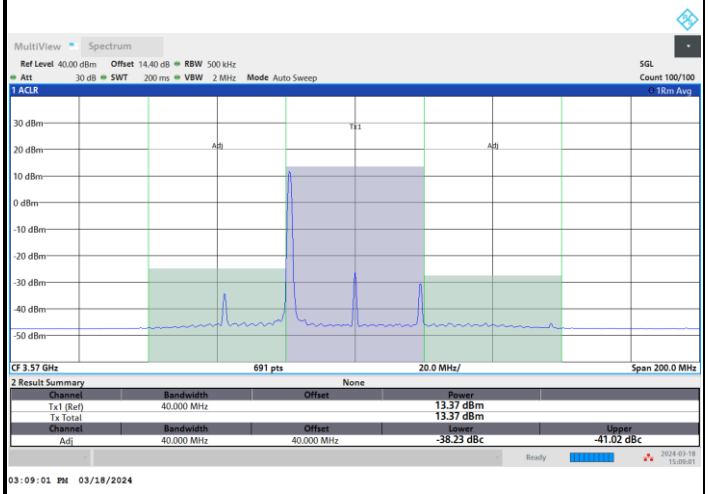
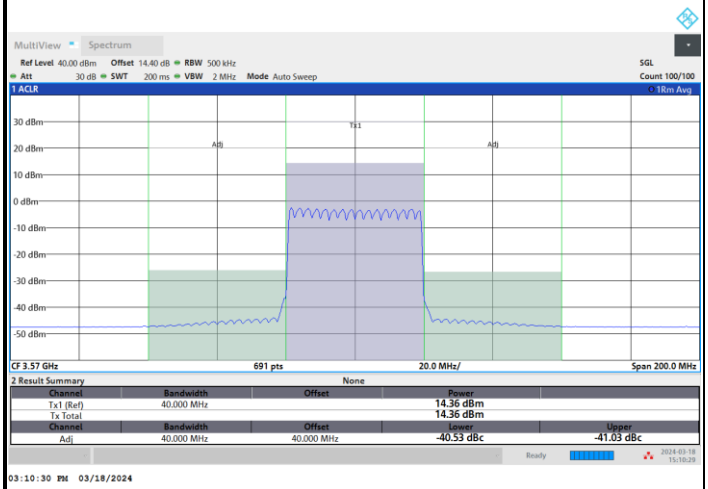
FR1 n48 / 40MHz / CP OFDM / 16QAM	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

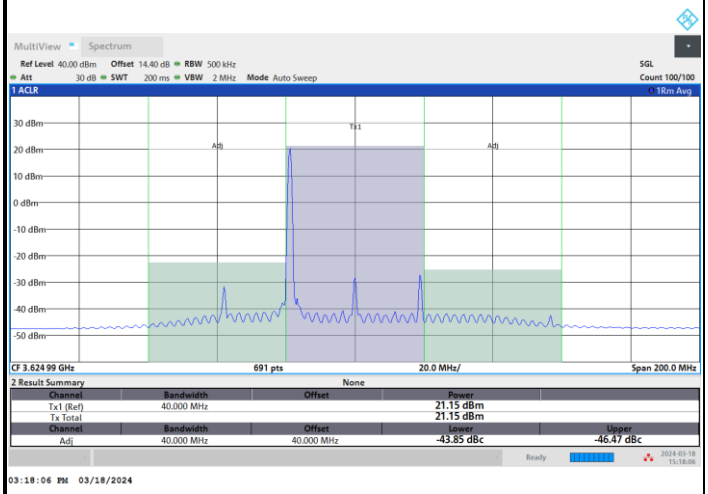
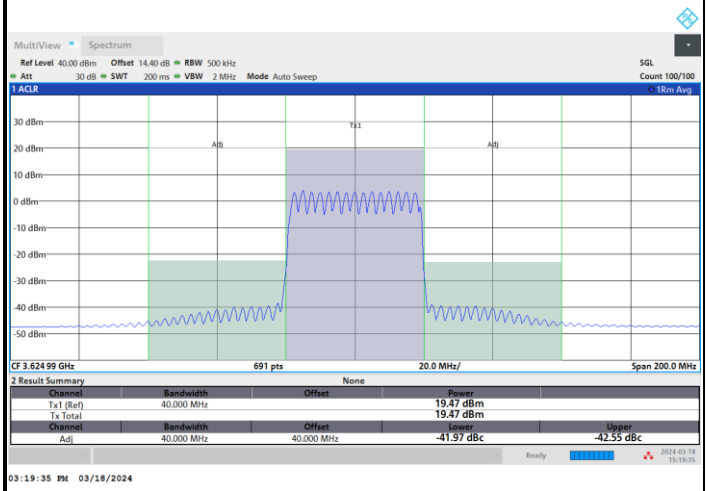
FR1 n48 / 40MHz / CP OFDM / 16QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

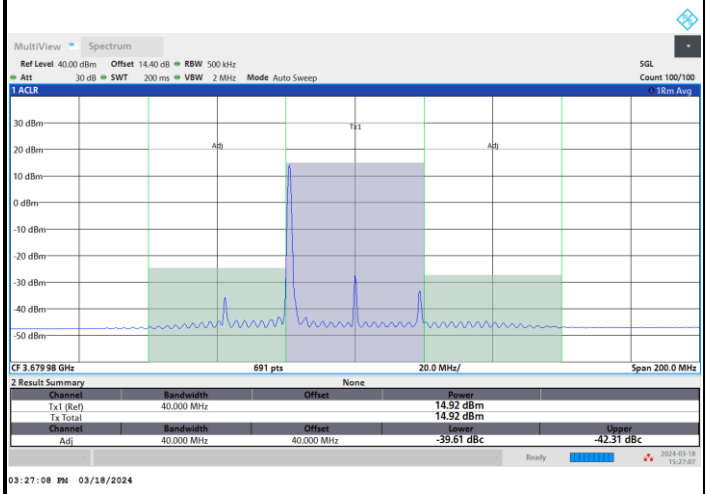
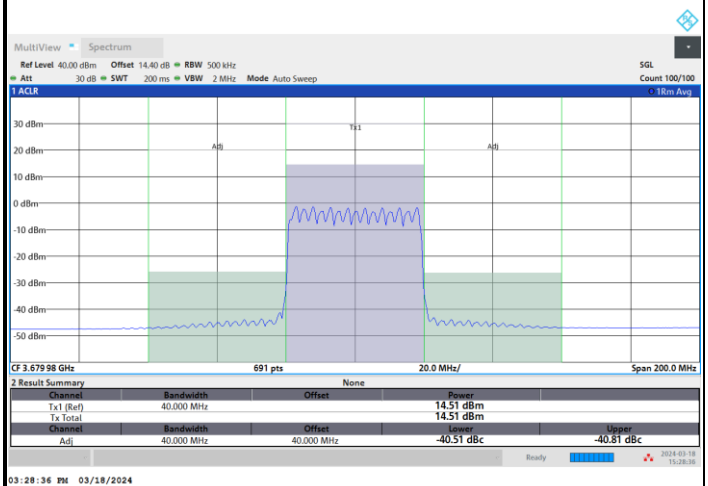
FR1 n48 / 40MHz / CP OFDM / 64QAM	
Lowest Channel	
1RB0	**1RBmax**
	
Full RB	
	

FR1 n48 / 40MHz / CP OFDM / 64QAM	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

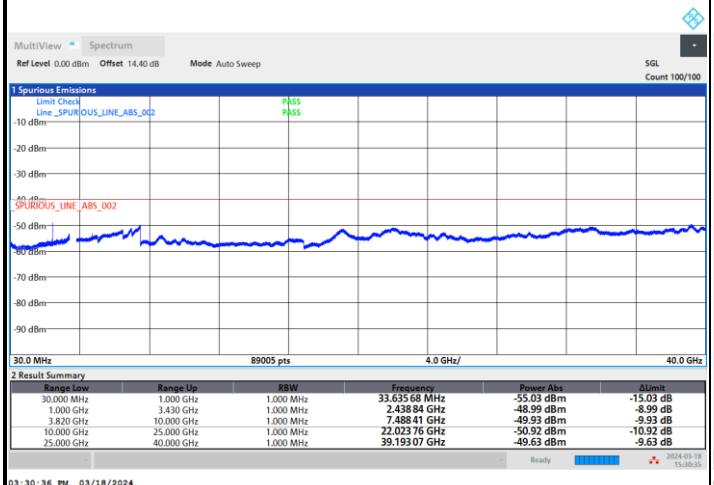
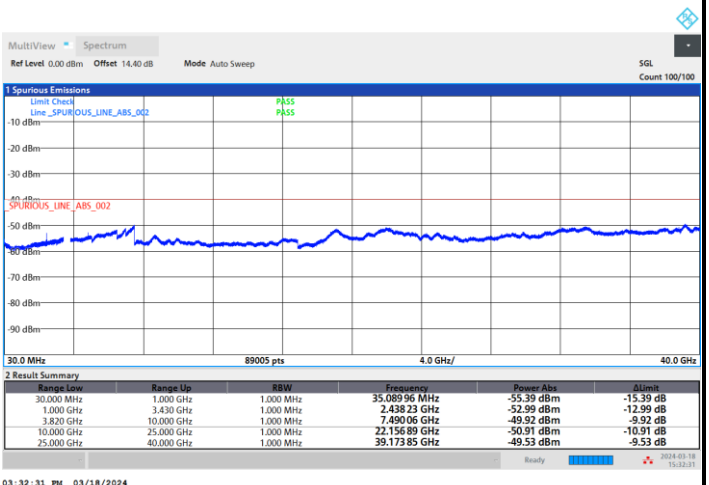
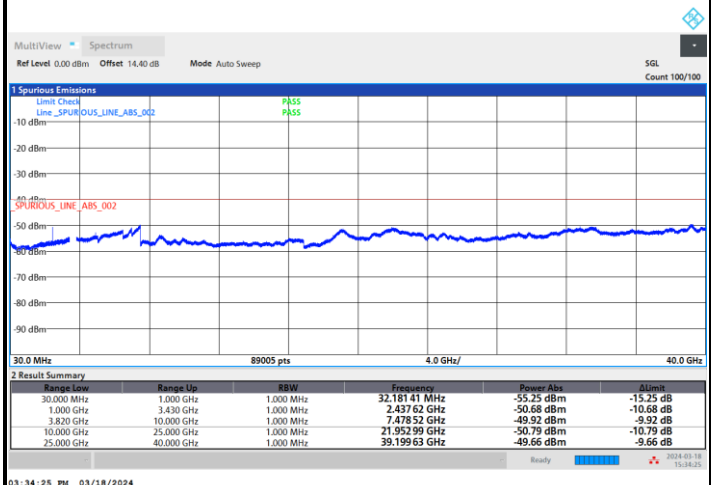
FR1 n48 / 40MHz / CP OFDM / 64QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

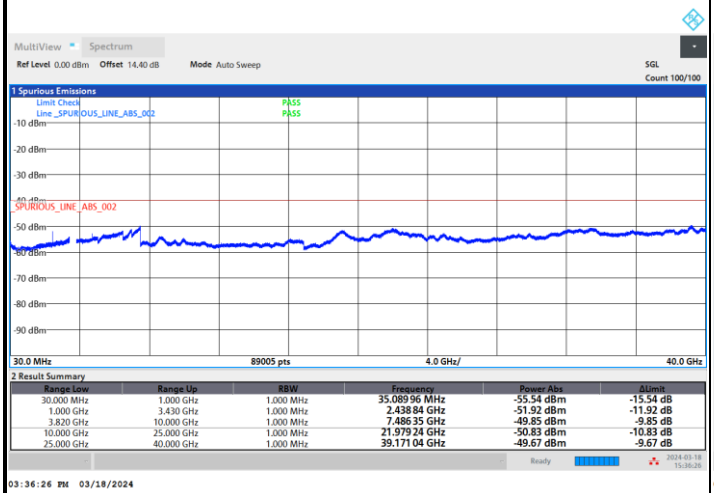
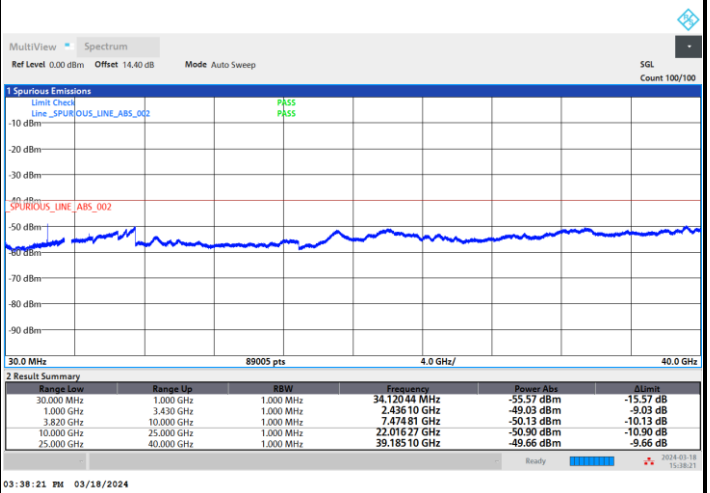
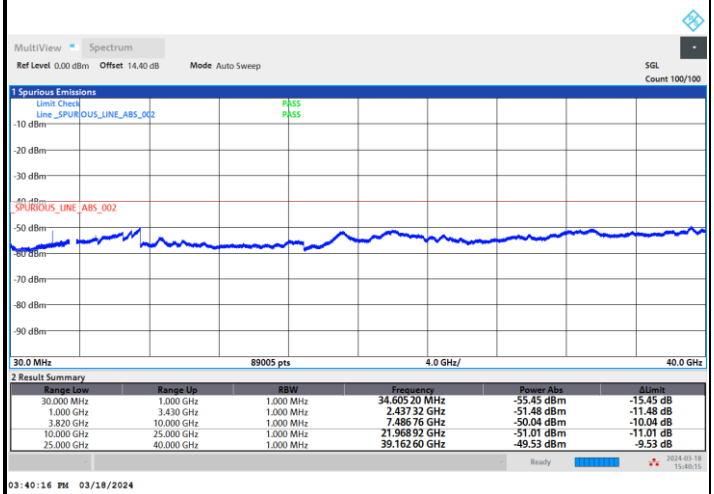
FR1 n48 / 40MHz / CP OFDM / 256QAM	
Lowest Channel	
1RB0	**1RBmax**
	
Full RB	
	

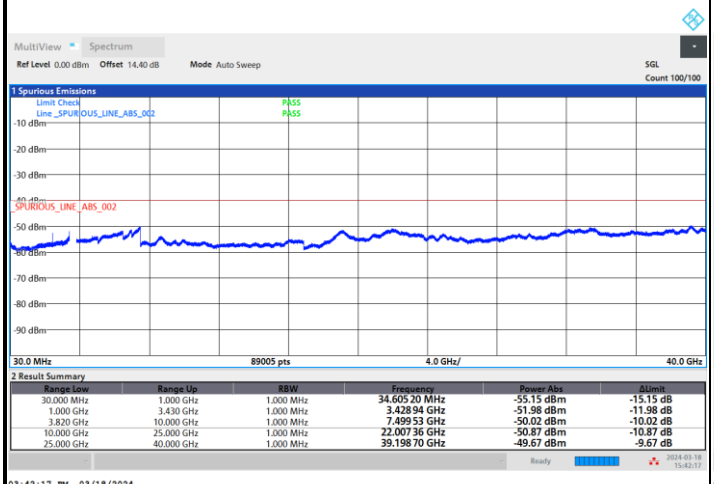
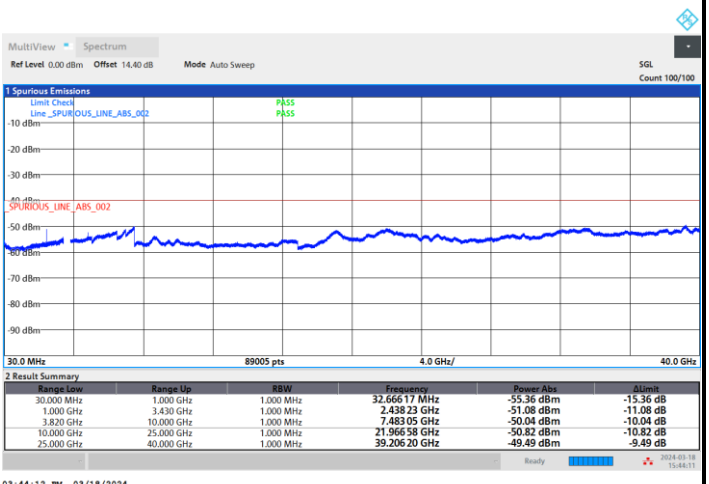
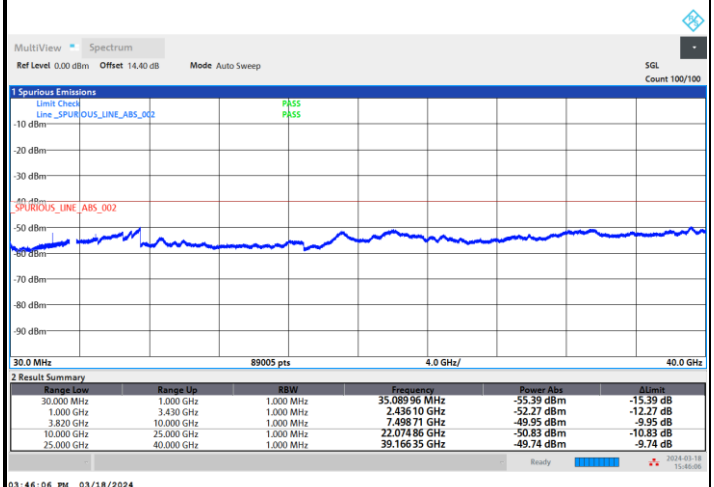
FR1 n48 / 40MHz / CP OFDM / 256QAM	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

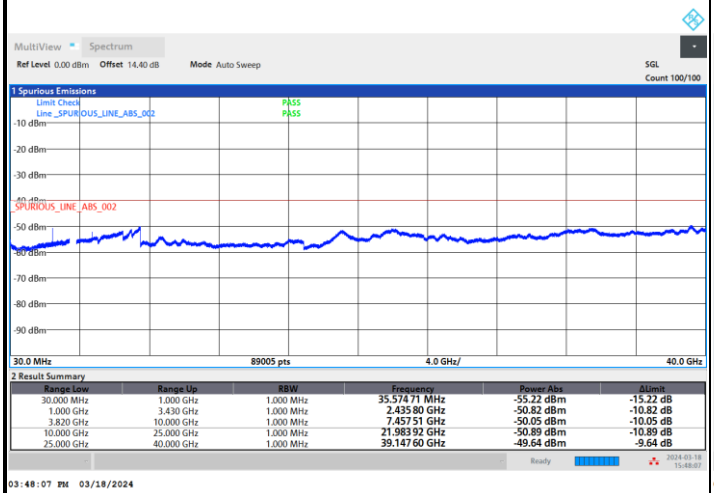
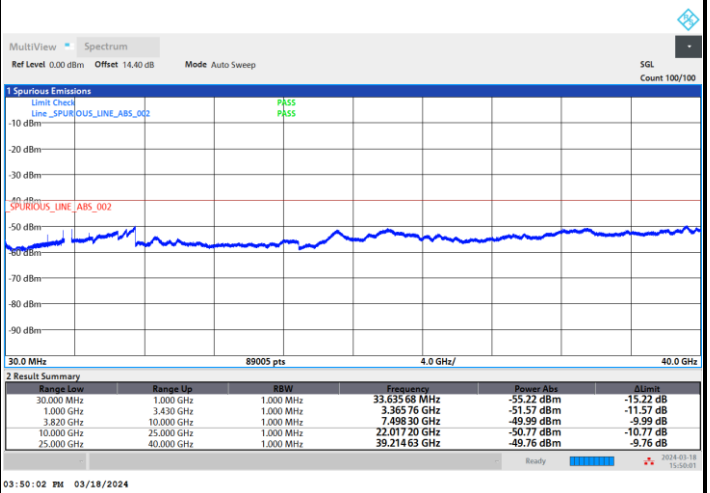
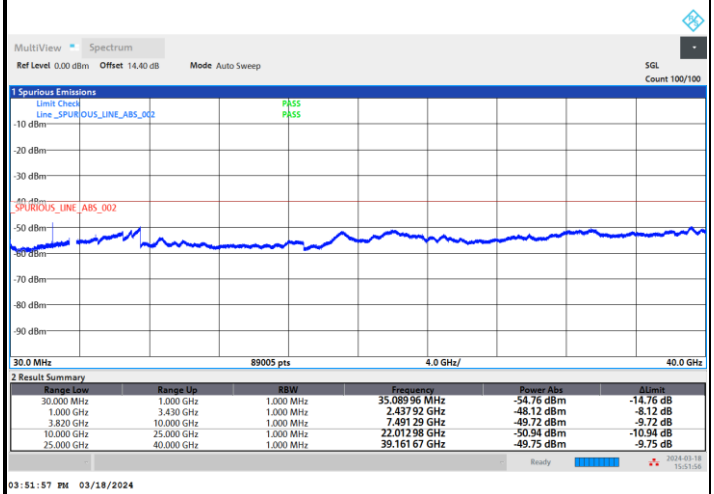
FR1 n48 / 40MHz / CP OFDM / 256QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

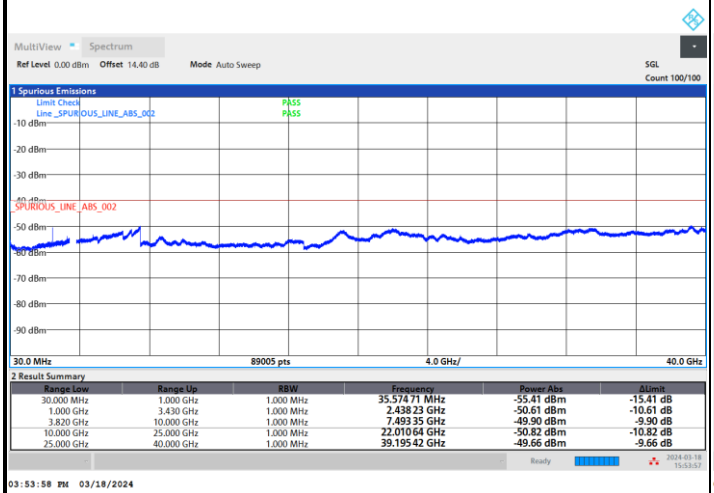
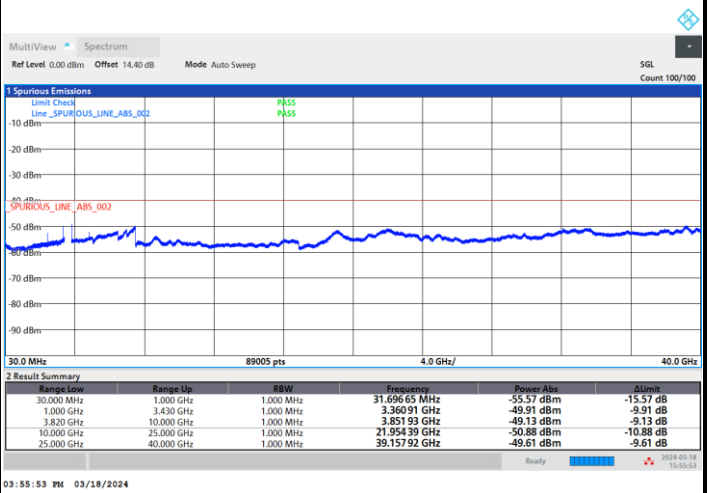
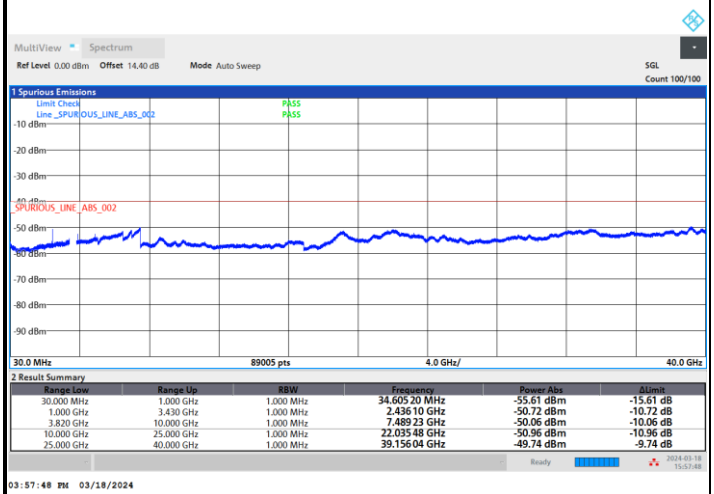
Conducted Spurious Emission

FR1 n48 / 10MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 20MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 30MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 40MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0055	PASS
40	Normal Voltage	0.0071	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0082	
20	Maximum Voltage	0.0054	
20	Normal Voltage	0.0066	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage = 3.89 V.；Battery End Point (BEP) = 3.6 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

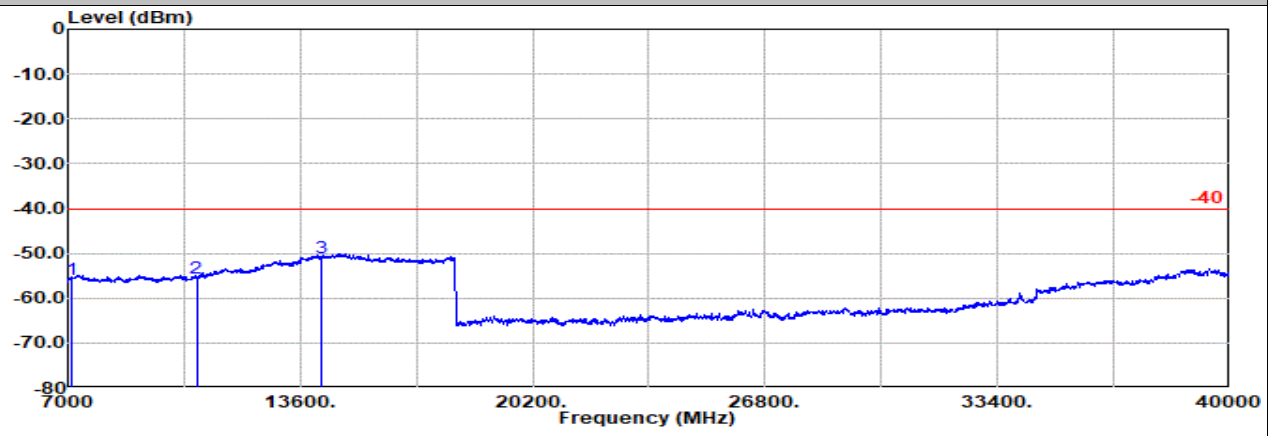
Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	NR SA n48 PC2	H	14725	-50.40	RMS	41.65	-23.00	0.42	-95.23	25.76	-40.00	-10.40	H	Ant6+1
2	Part 96	NR SA n48 PC2	H	14725	-50.46	RMS	41.65	-23.00	0.42	-95.23	25.70	-40.00	-10.46	V	Ant7+5

Ant6+1

Part 96 Mode 1

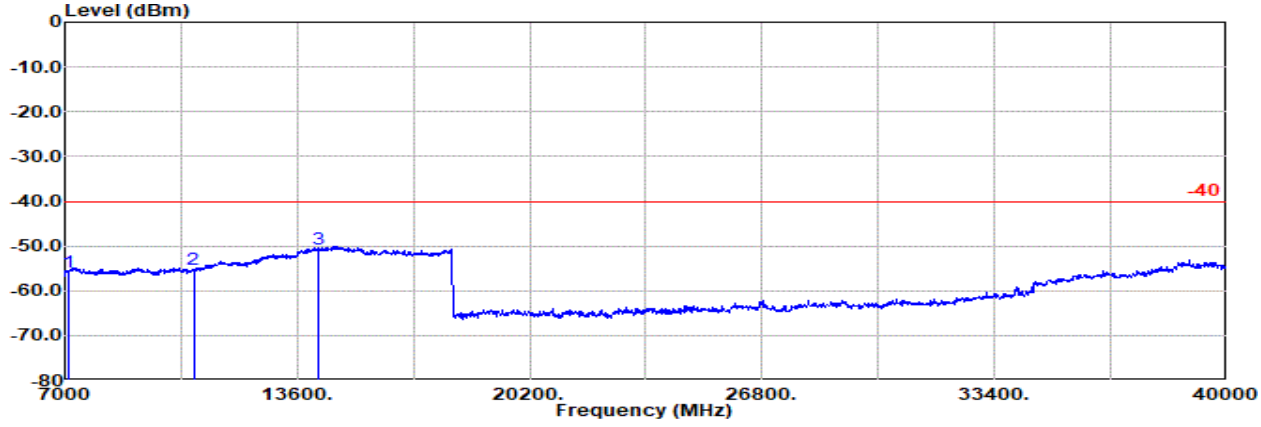
NR SA n48 PC2 20M Ch637334 1RB1 BPSK

L



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Horizontal
: SA n48 20M Ch637334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7103.00	-55.88	RMS	36.41	-21.43	1.19	-95.23	23.18	-40.00	-15.88	Horizontal
2	10654.00	-55.52	RMS	37.50	-21.68	0.44	-95.23	23.45	-40.00	-15.52	Horizontal
3	14205.00	-51.01	RMS	41.00	-22.35	0.41	-95.23	25.16	-40.00	-11.01	Horizontal



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Vertical
: SA n48 20M Ch637334 1RB1 BPSK

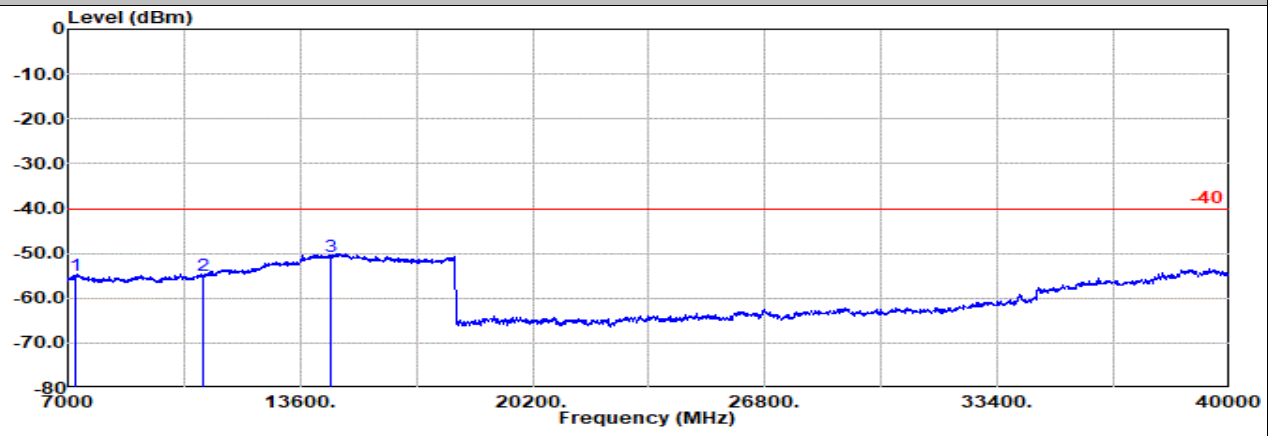
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7103.00	-55.83	RMS	36.41	-21.43	1.19	-95.23	23.23	-40.00	-15.83	Vertical
2	10654.00	-55.39	RMS	37.50	-21.68	0.44	-95.23	23.58	-40.00	-15.39	Vertical
3	14205.00	-50.84	RMS	41.00	-22.35	0.41	-95.23	25.33	-40.00	-10.84	Vertical

Ant6+1

Part 96 Mode 1

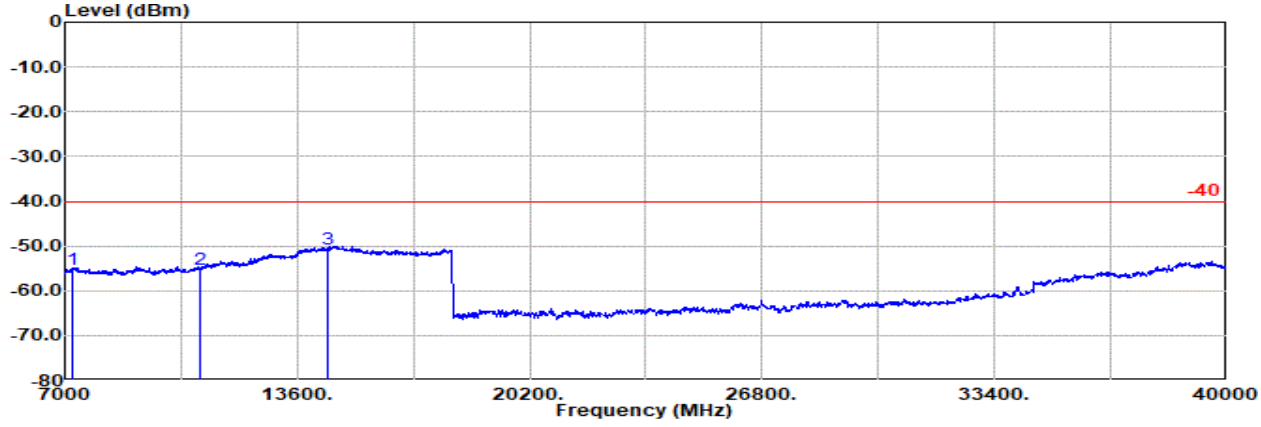
NR SA n48 PC2 20M Ch641666 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Horizontal
: SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.00	-54.85	RMS	36.87	-21.34	1.13	-95.23	23.72	-40.00	-14.85	Horizontal
2	10849.00	-54.80	RMS	37.50	-21.65	0.44	-95.23	24.14	-40.00	-14.80	Horizontal
3	14465.00	-50.65	RMS	41.16	-22.73	0.42	-95.23	25.73	-40.00	-10.65	Horizontal



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Vertical
: SA n48 20M Ch641666 1RB1 BPSK

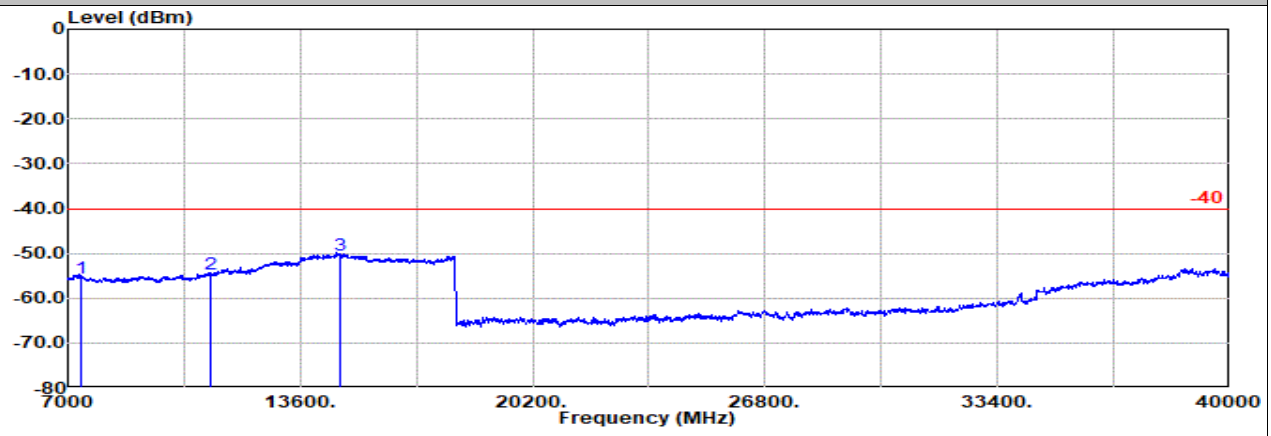
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.00	-55.24	RMS	36.87	-21.34	1.13	-95.23	23.33	-40.00	-15.24	Vertical
2	10849.00	-55.34	RMS	37.50	-21.65	0.44	-95.23	23.60	-40.00	-15.34	Vertical
3	14465.00	-50.74	RMS	41.16	-22.73	0.42	-95.23	25.64	-40.00	-10.74	Vertical

Ant6+1

Part 96 Mode 1

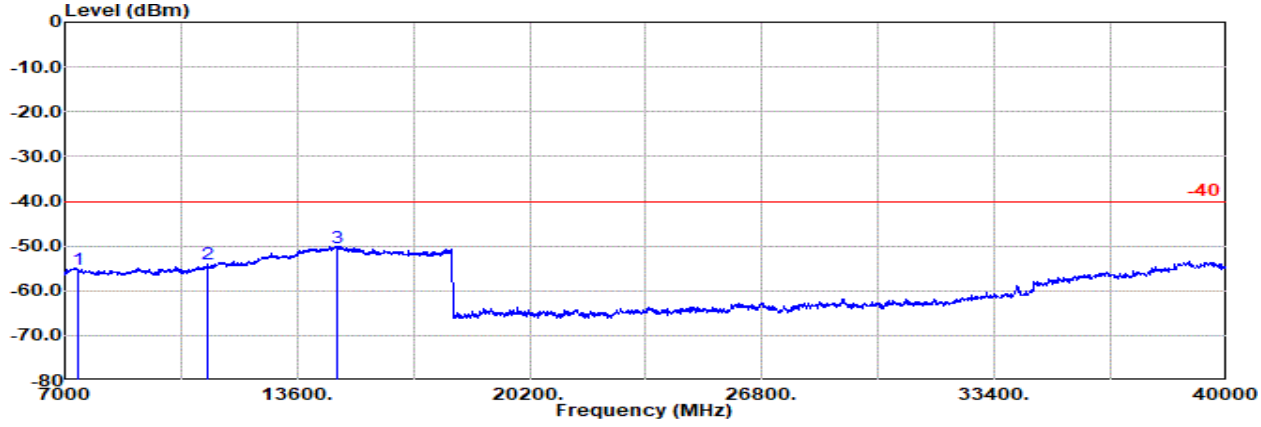
NR SA n48 PC2 20M Ch646000 1RB1 BPSK

H



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Horizontal
: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7363.00	-55.42	RMS	36.97	-21.28	1.05	-95.23	23.07	-40.00	-15.42	Horizontal
2	11044.00	-54.56	RMS	37.98	-21.61	0.44	-95.23	23.86	-40.00	-14.56	Horizontal
3	14725.00	-50.40	RMS	41.65	-23.00	0.42	-95.23	25.76	-40.00	-10.40	Horizontal



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_230710 Vertical
: SA n48 20M Ch646000 1RB1 BPSK

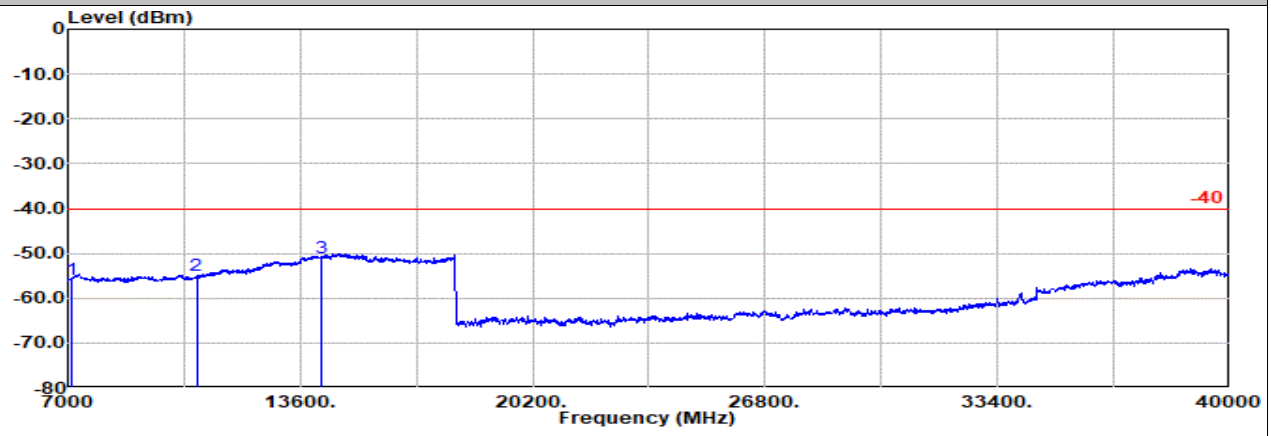
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7363.00	-55.27	RMS	36.97	-21.28	1.05	-95.23	23.22	-40.00	-15.27	Vertical
2	11044.00	-53.95	RMS	37.98	-21.61	0.44	-95.23	24.47	-40.00	-13.95	Vertical
3	14725.00	-50.52	RMS	41.65	-23.00	0.42	-95.23	25.64	-40.00	-10.52	Vertical

Ant7+5

Part 96 Mode 2

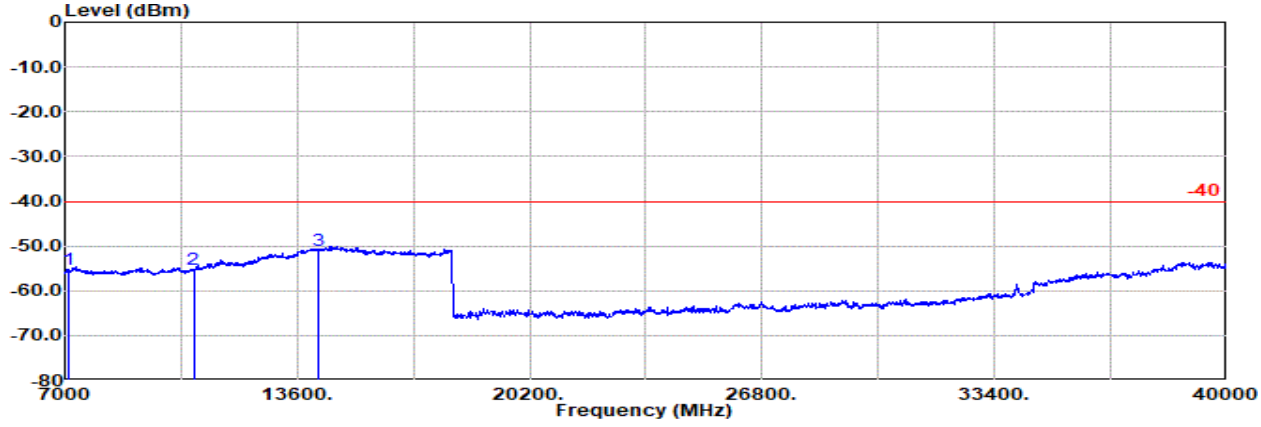
NR SA n48 PC2 20M Ch637334 1RB1 BPSK

L



Site : 03CH21-HY
Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
: SA n48 20M Ch637334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7103.00	-55.77	RMS	36.41	-21.43	1.19	-95.23	0.00	-40.00	-15.77	Horizontal
2	10654.00	-54.98	RMS	37.50	-21.68	0.44	-95.23	23.99	-40.00	-14.98	Horizontal
3	14205.00	-51.07	RMS	41.00	-22.35	0.41	-95.23	25.10	-40.00	-11.07	Horizontal



Site : 03CH21-HY
Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
: SA n48 20M Ch637334 1RB1 BPSK

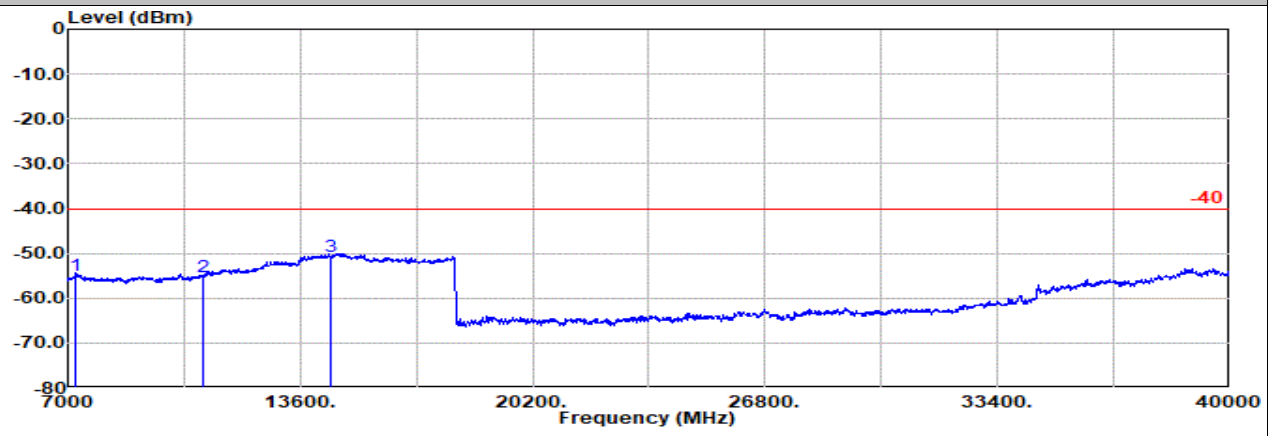
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7103.00	-55.20	RMS	36.41	-21.43	1.19	-95.23	23.86	-40.00	-15.20	Vertical
2	10654.00	-55.14	RMS	37.50	-21.68	0.44	-95.23	23.83	-40.00	-15.14	Vertical
3	14205.00	-51.15	RMS	41.00	-22.35	0.41	-95.23	25.02	-40.00	-11.15	Vertical

Ant7+5

Part 96 Mode 2

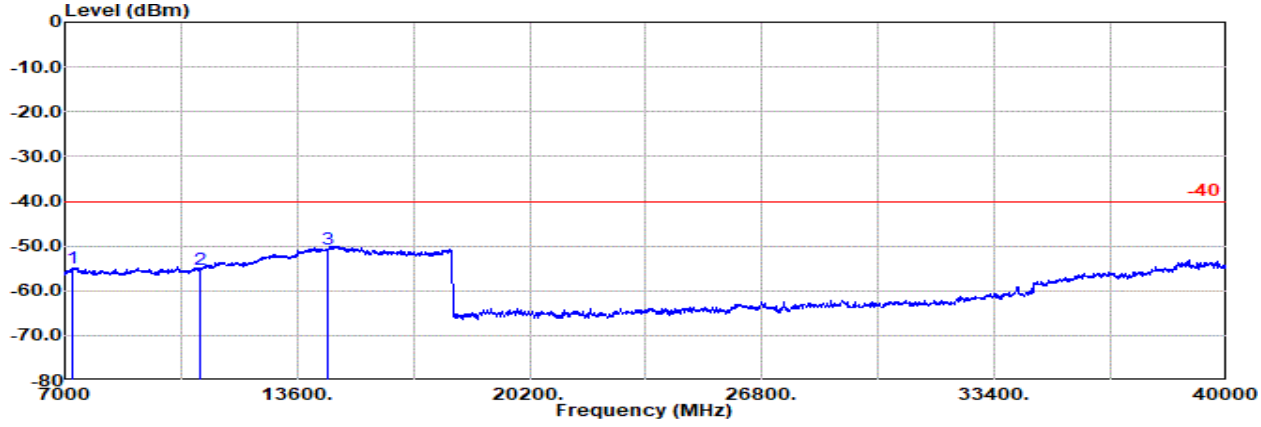
NR SA n48 PC2 20M Ch641666 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
: SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.00	-55.01	RMS	36.87	-21.34	1.13	-95.23	23.56	-40.00	-15.01	Horizontal
2	10849.00	-55.12	RMS	37.50	-21.65	0.44	-95.23	23.82	-40.00	-15.12	Horizontal
3	14465.00	-50.81	RMS	41.16	-22.73	0.42	-95.23	25.57	-40.00	-10.81	Horizontal



Site : 03CH21-HY
Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
: SA n48 20M Ch641666 1RB1 BPSK

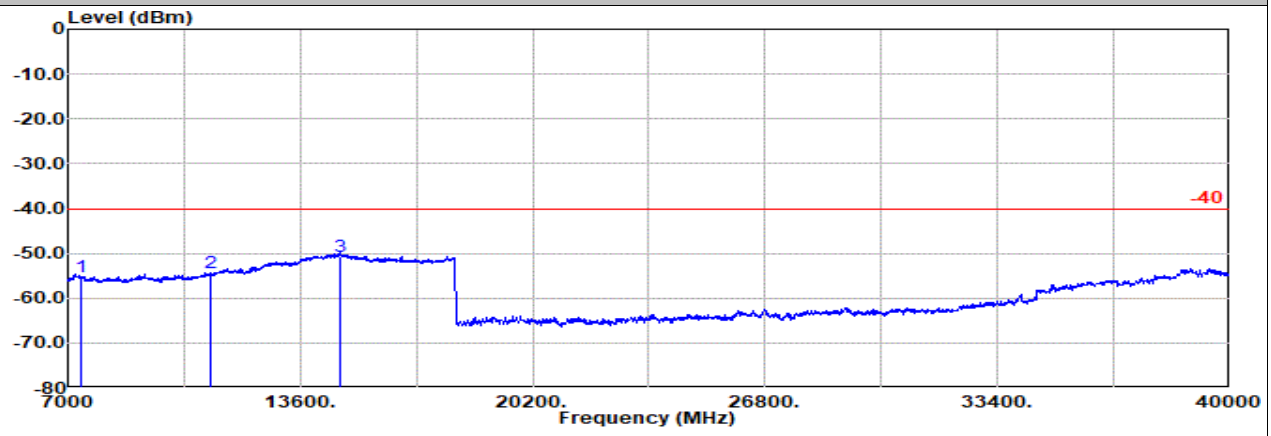
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.00	-55.04	RMS	36.87	-21.34	1.13	-95.23	23.53	-40.00	-15.04	Vertical
2	10849.00	-55.26	RMS	37.50	-21.65	0.44	-95.23	23.68	-40.00	-15.26	Vertical
3	14465.00	-50.73	RMS	41.16	-22.73	0.42	-95.23	25.65	-40.00	-10.73	Vertical

Ant7+5

Part 96 Mode 2

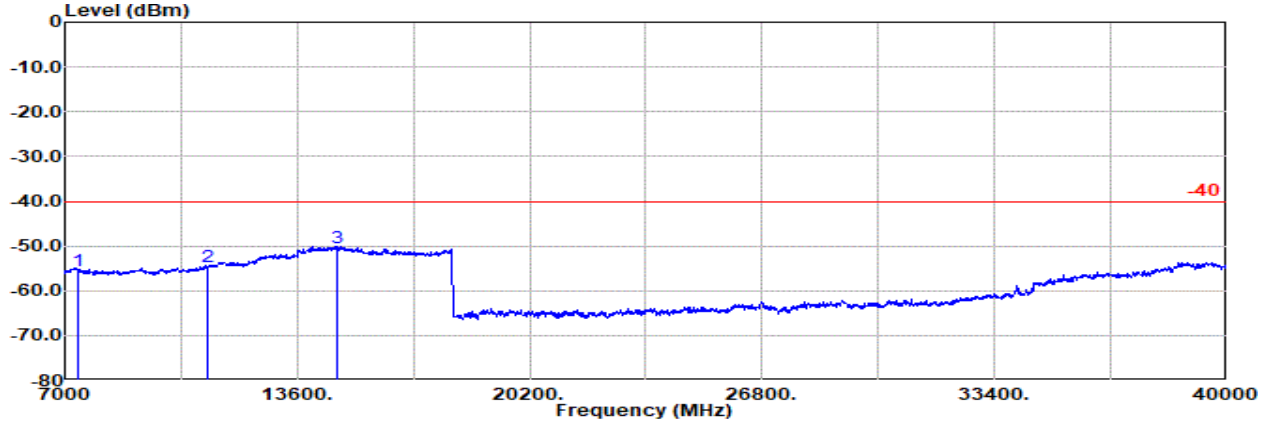
NR SA n48 PC2 20M Ch646000 1RB1 BPSK

H



Site : 03CH21-HY
Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7363.00	-55.38	RMS	36.97	-21.28	1.05	-95.23	23.11	-40.00	-15.38	Horizontal
2	11044.00	-54.48	RMS	37.98	-21.61	0.44	-95.23	23.94	-40.00	-14.48	Horizontal
3	14725.00	-50.60	RMS	41.65	-23.00	0.42	-95.23	25.56	-40.00	-10.60	Horizontal

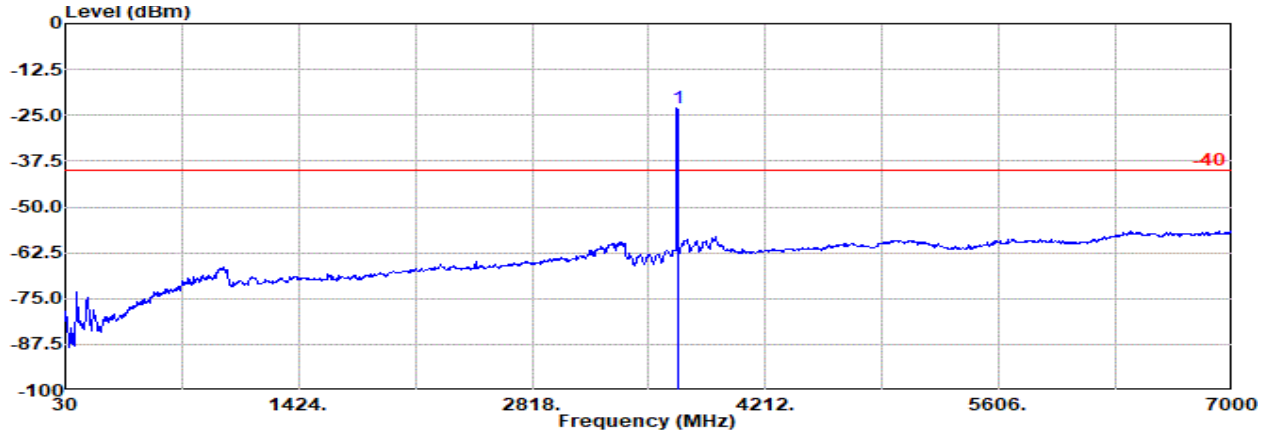


Site : 03CH21-HY
Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7363.00	-55.51	RMS	36.97	-21.28	1.05	-95.23	22.98	-40.00	-15.51	Vertical
2	11044.00	-54.50	RMS	37.98	-21.61	0.44	-95.23	23.92	-40.00	-14.50	Vertical
3	14725.00	-50.46	RMS	41.65	-23.00	0.42	-95.23	25.70	-40.00	-10.46	Vertical

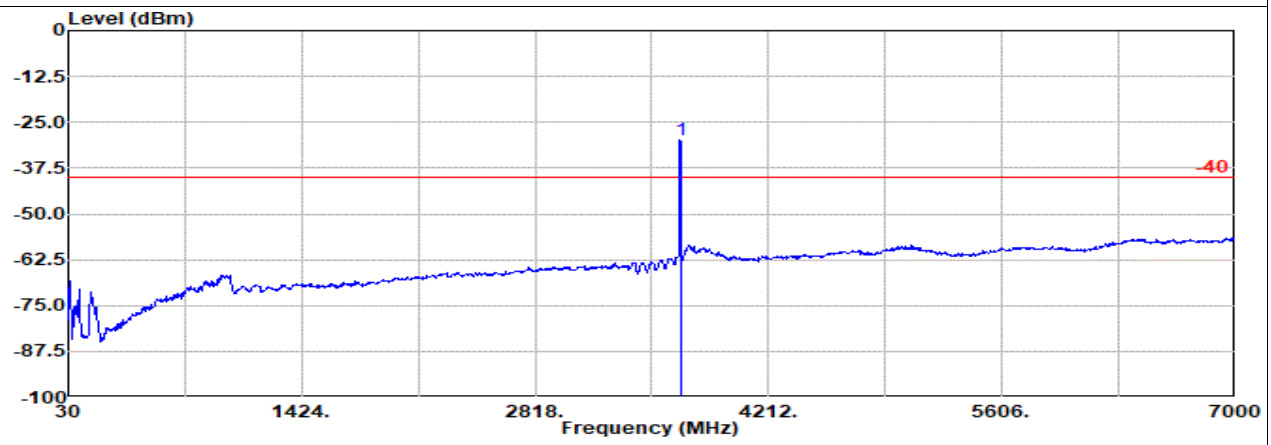
Ant6+1

Part 96 Mode 1
NR SA n48 PC2 20M Ch646000 1RB1 BPSK
H




```
Site      : 03CH21-HY
Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
         : SA n48 20M Ch646000 1RB1 BPSK
         : #1 is fundamental signal which can be ignored.
```

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3690.00	-22.92	RMS	29.80	-23.23	0.56	-95.23	65.18	-40.00	17.08	Horizontal




```
Site      : 03CH21-HY
Condition: -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
         : SA n48 20M Ch646000 1RB1 BPSK
         : #1 is fundamental signal which can be ignored.
```

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3690.00	-29.92	RMS	29.80	-23.23	0.56	-95.23	58.18	-40.00	10.08	Vertical

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

————THE END————