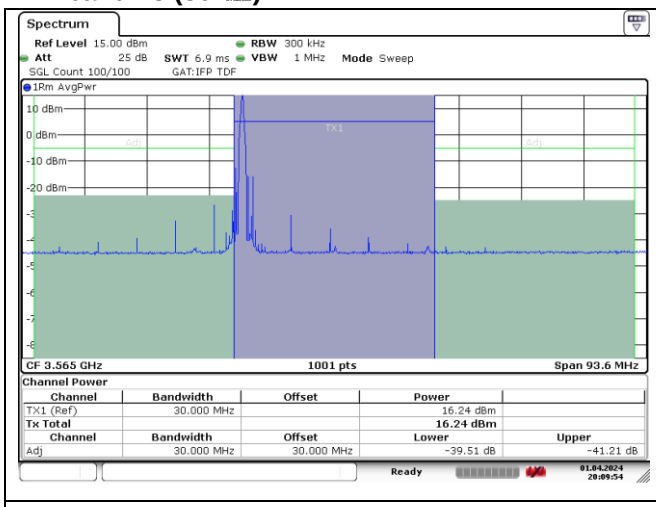
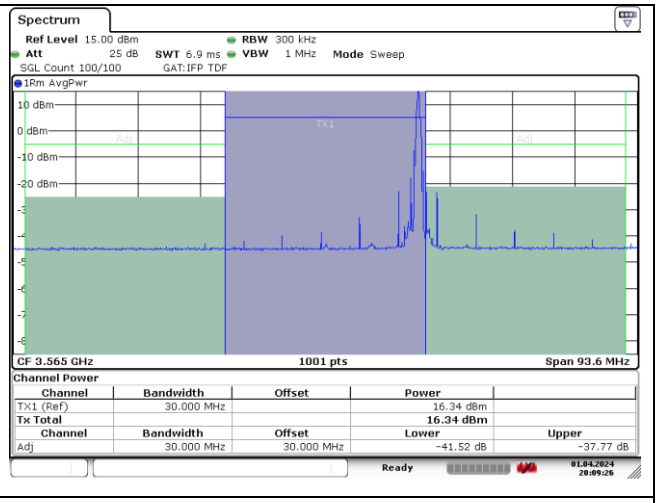
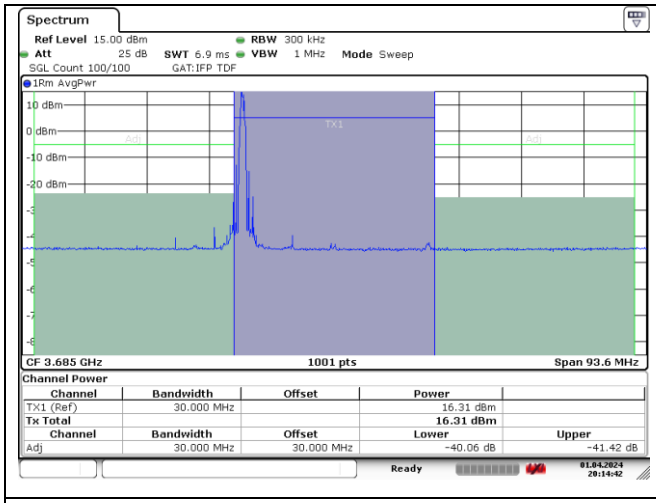
NR band 48 (30 ㎒)



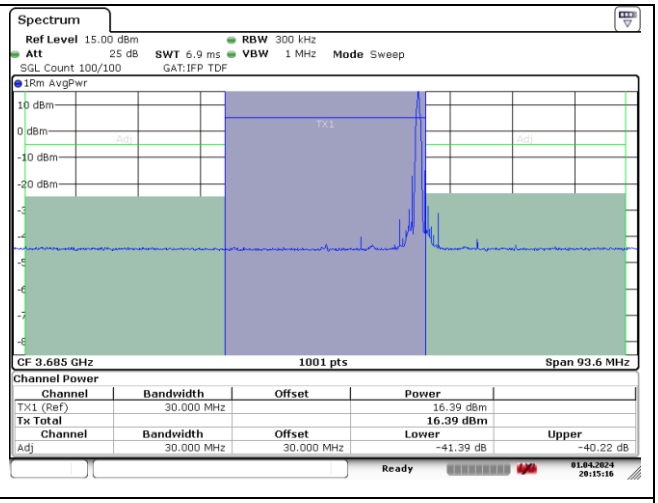
DFT-S-OFDM 16QAM - Low Channel - 1 RB



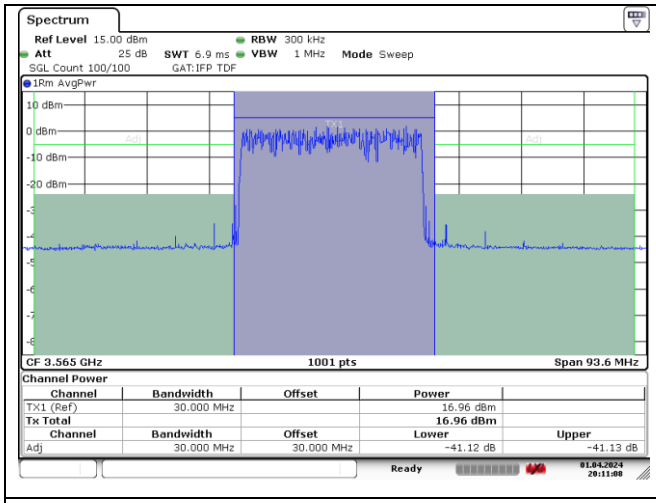
DFT-S-OFDM 16QAM - Low Channel - 1 RB



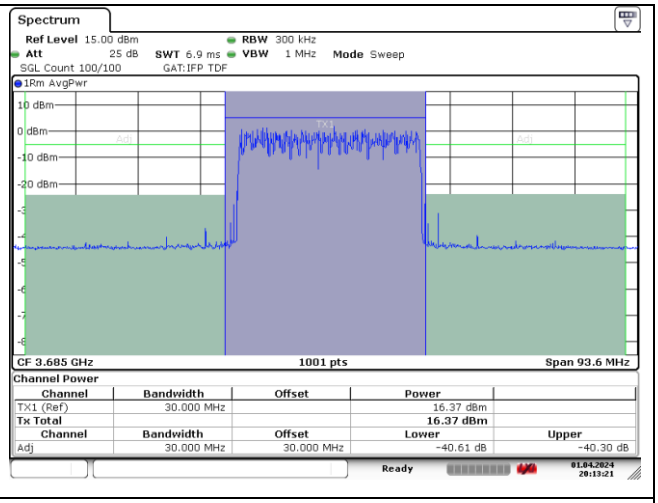
DFT-S-OFDM 16QAM - High Channel - 1 RB



DFT-S-OFDM 16QAM - High Channel - 1 RB

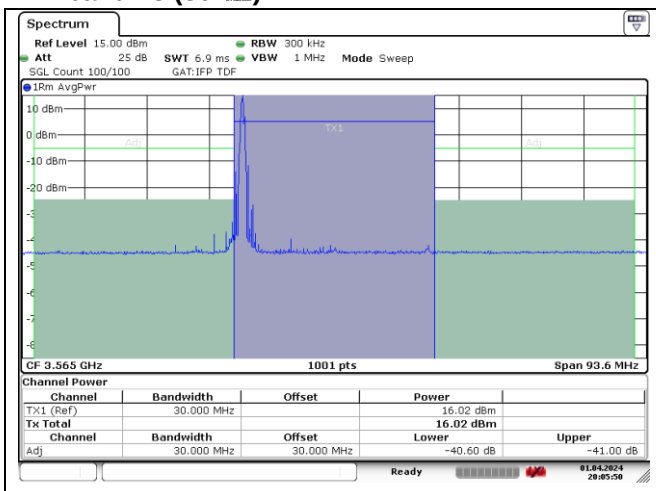


DFT-S-OFDM 16QAM - Low Channel - Full RB

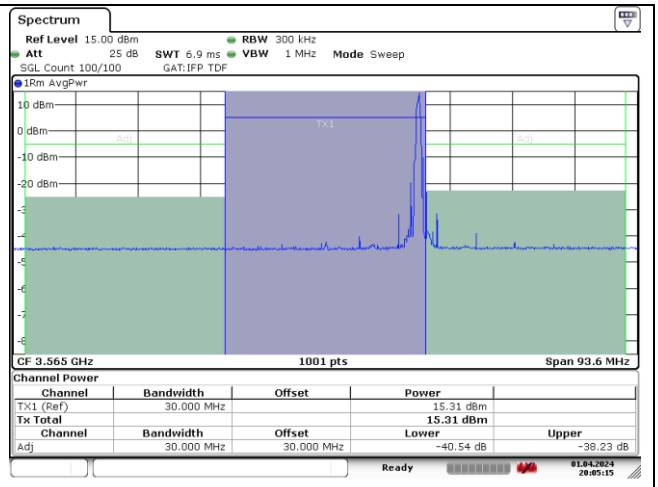


DFT-S-OFDM 16QAM - High Channel - Full RB

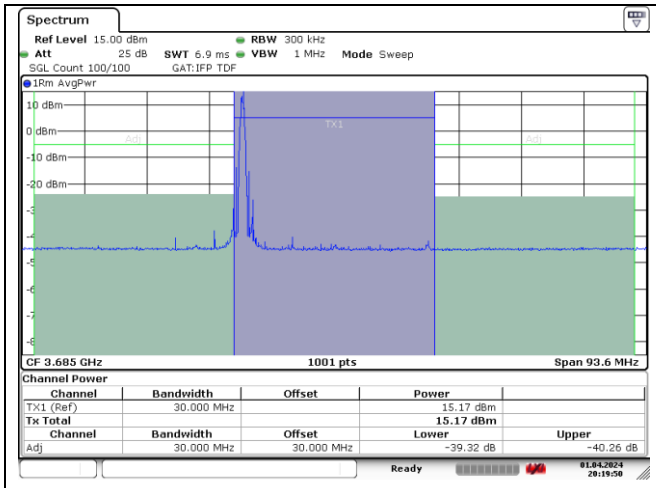
NR band 48 (30 ㎒)



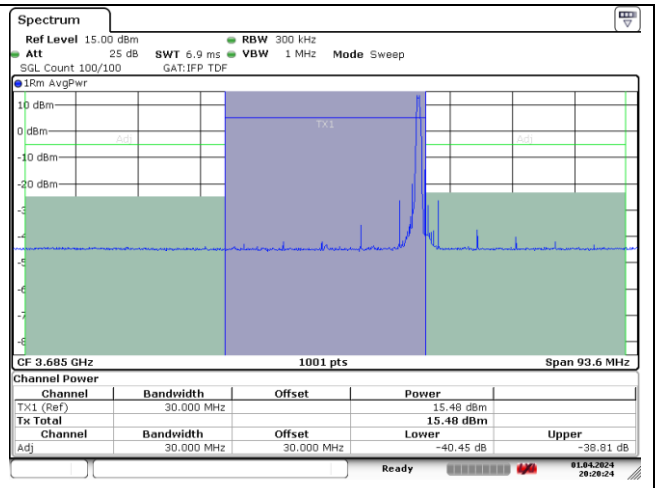
CP-OFDM QPSK - Low Channel - 1 RB



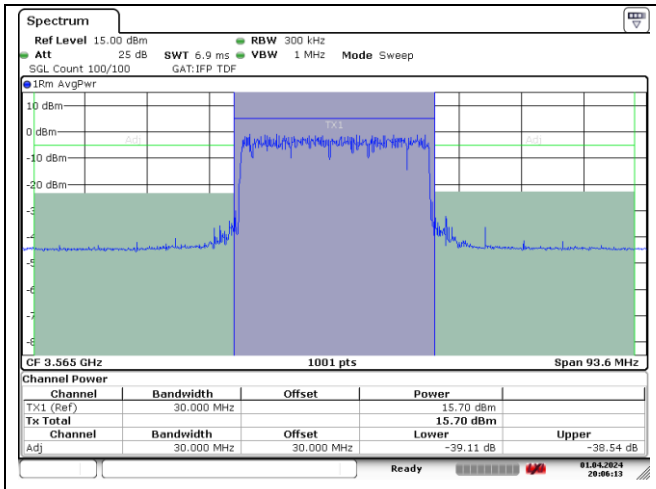
CP-OFDM QPSK - Low Channel - 1 RB



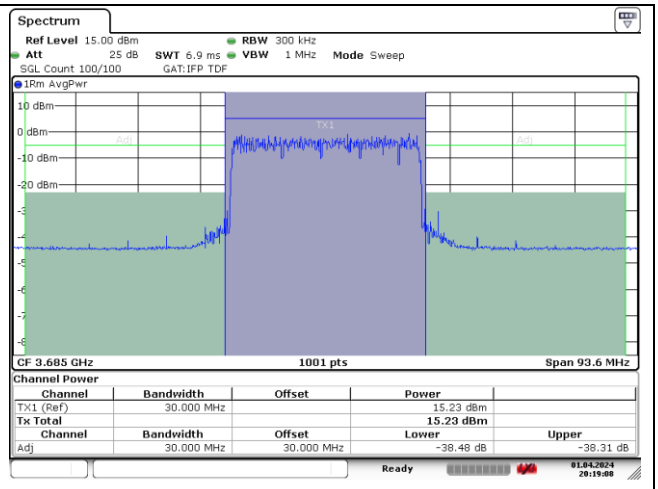
CP-OFDM QPSK - High Channel - 1 RB



CP-OFDM QPSK - High Channel - 1 RB

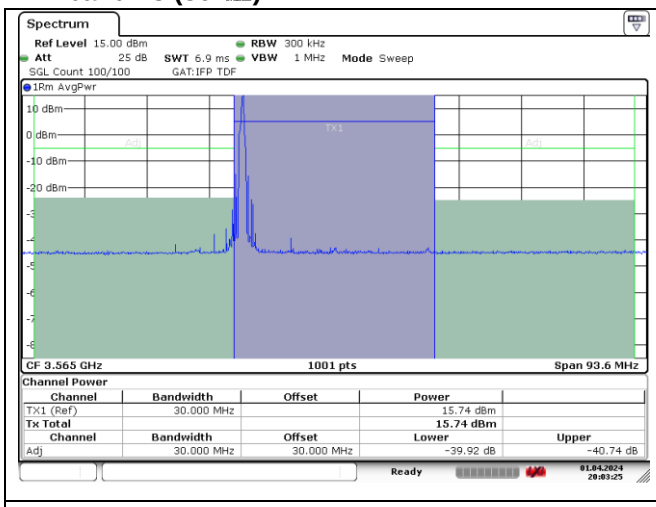


CP-OFDM QPSK - Low Channel - Full RB

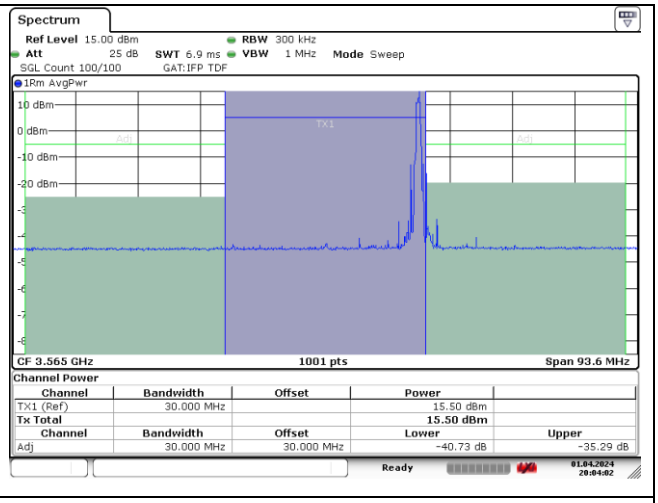


CP-OFDM QPSK - High Channel - Full RB

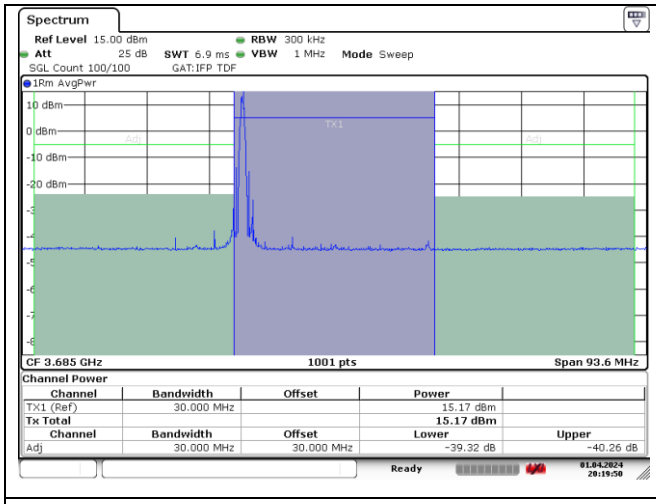
NR band 48 (30 ㎒)



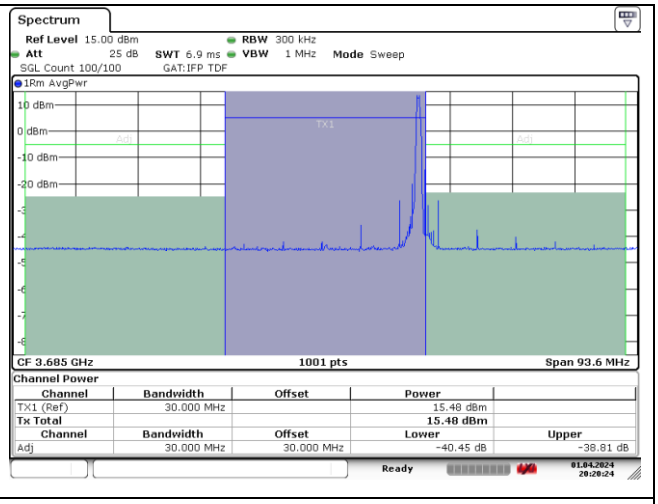
CP-OFDM 16QAM - Low Channel - 1 RB



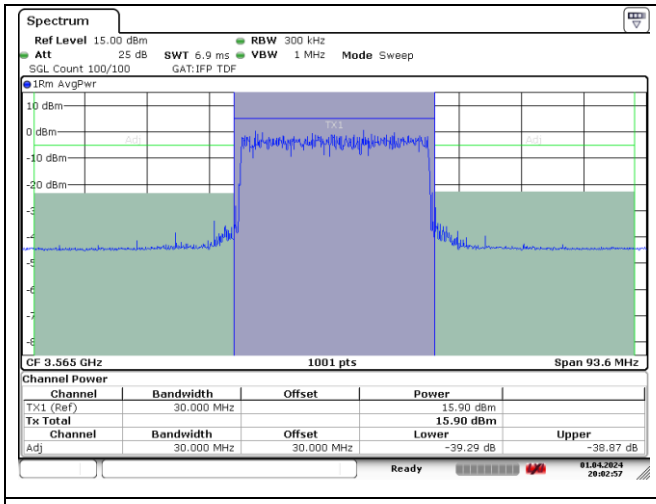
CP-OFDM 16QAM - Low Channel - 1 RB



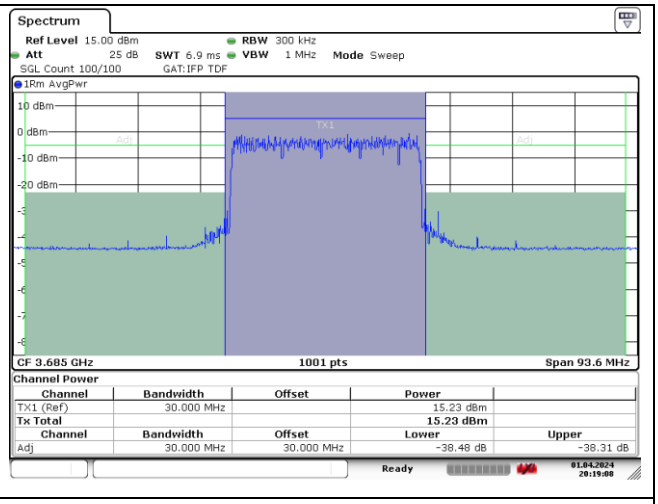
CP-OFDM 16QAM - High Channel - 1 RB



CP-OFDM 16QAM - High Channel - 1 RB

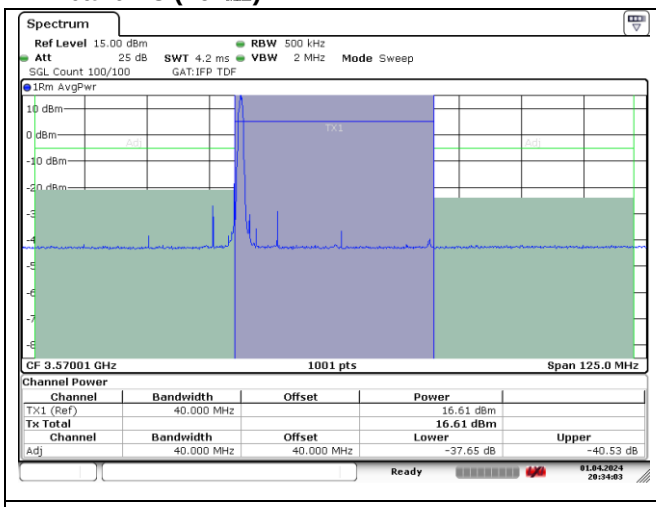


CP-OFDM 16QAM - Low Channel - Full RB

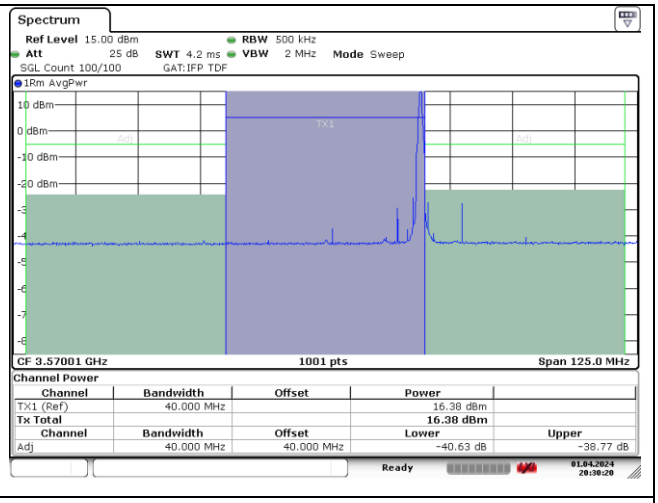


CP-OFDM 16QAM - High Channel - Full RB

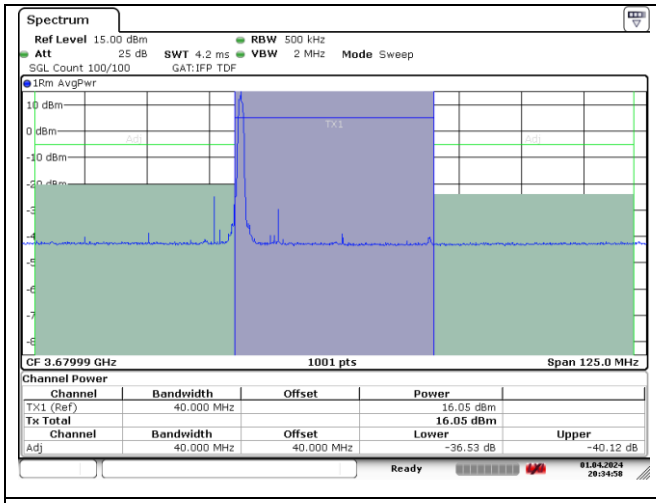
NR band 48 (40 ㎒)



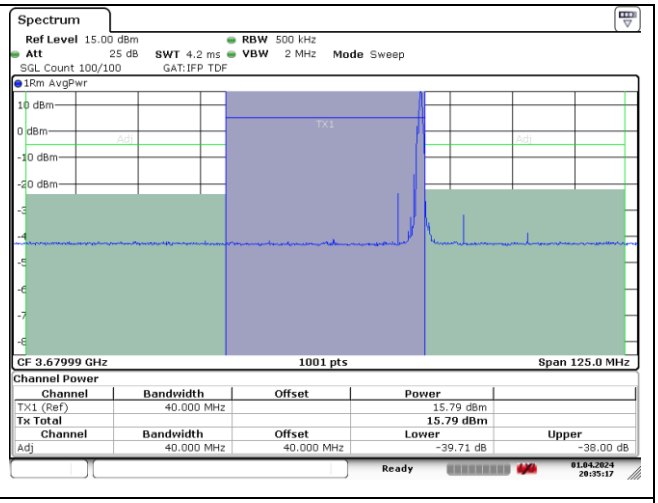
DFT-S-OFDM BPSK - Low Channel - 1 RB



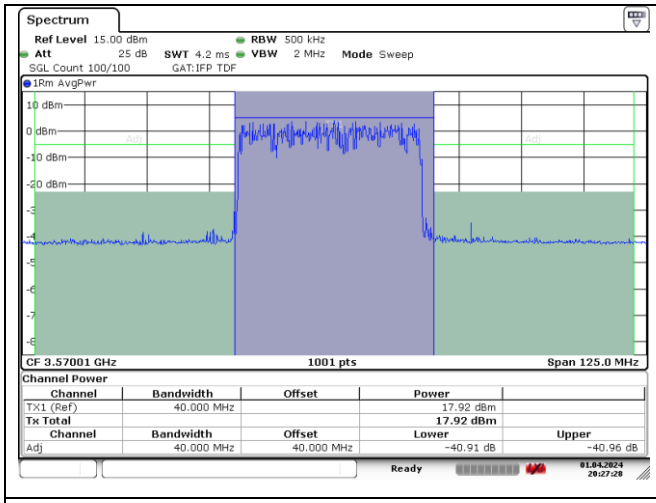
DFT-S-OFDM BPSK - Low Channel - 1 RB



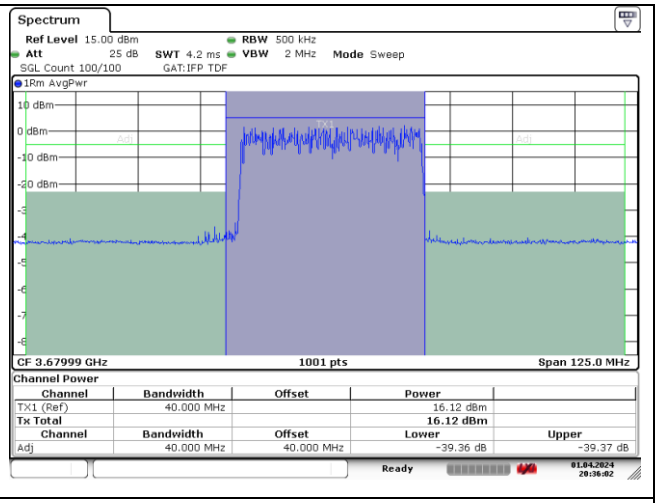
DFT-S-OFDM BPSK - High Channel - 1 RB



DFT-S-OFDM BPSK - High Channel - 1 RB

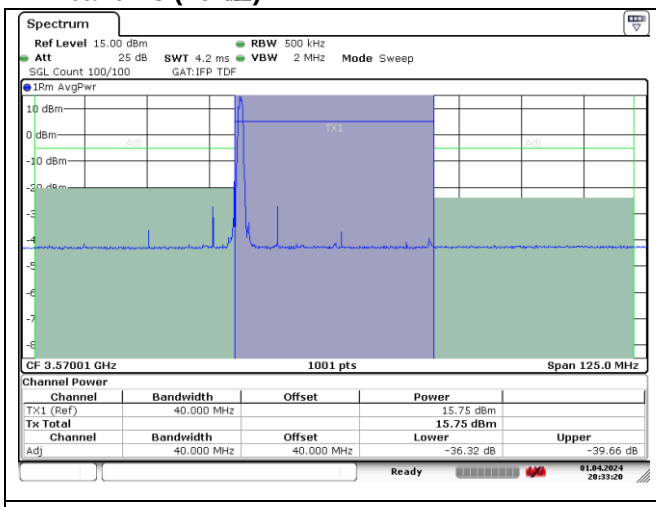


DFT-S-OFDM BPSK - Low Channel - Full RB

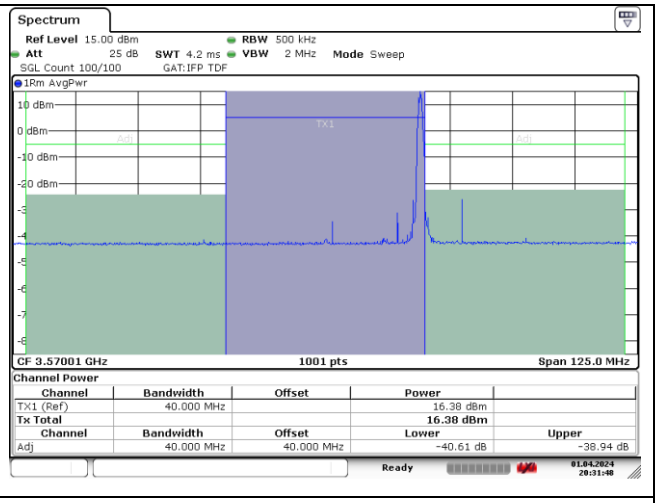


DFT-S-OFDM BPSK - High Channel - Full RB

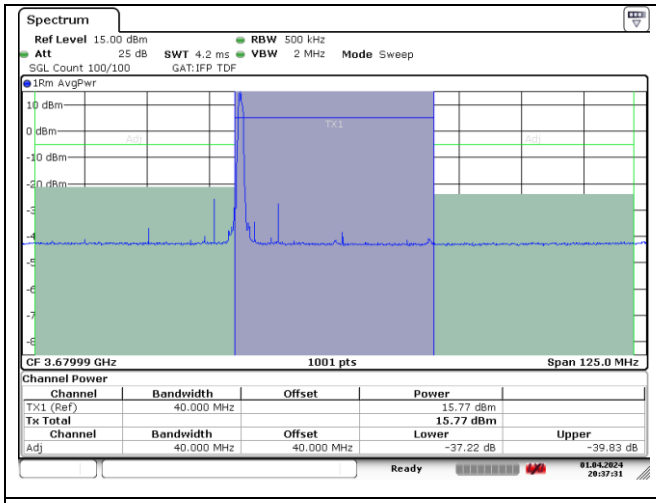
NR band 48 (40 ㎒)



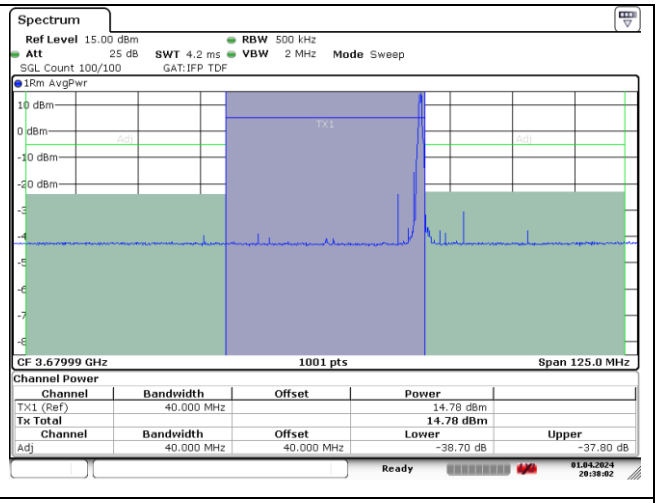
DFT-S-OFDM 16QAM - Low Channel - 1 RB



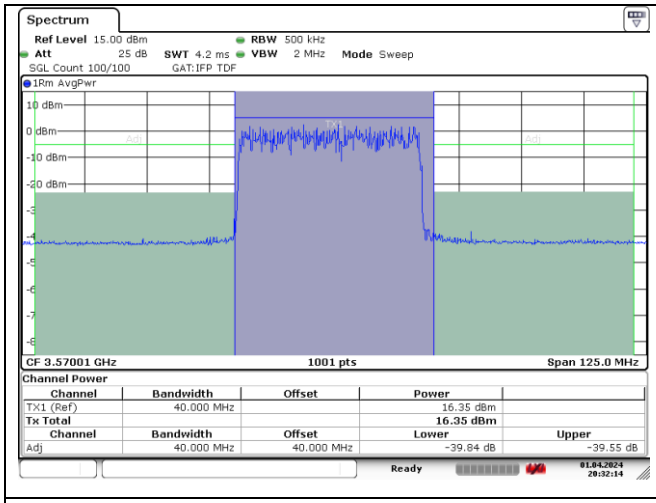
DFT-S-OFDM 16QAM - Low Channel - 1 RB



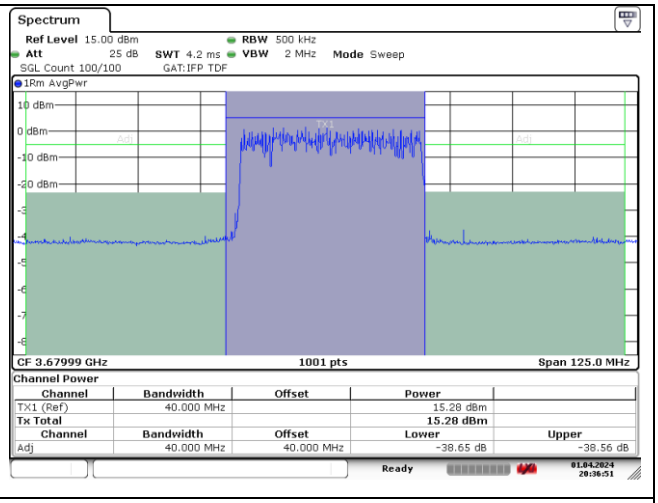
DFT-S-OFDM 16QAM - High Channel - 1 RB



DFT-S-OFDM 16QAM - High Channel - 1 RB

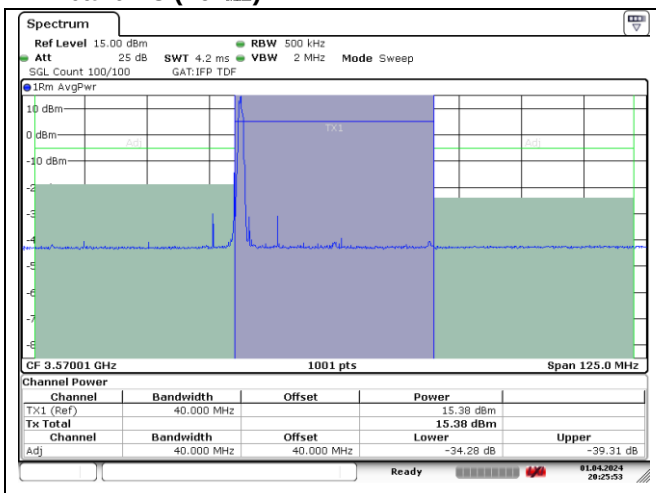


DFT-S-OFDM 16QAM - Low Channel - Full RB

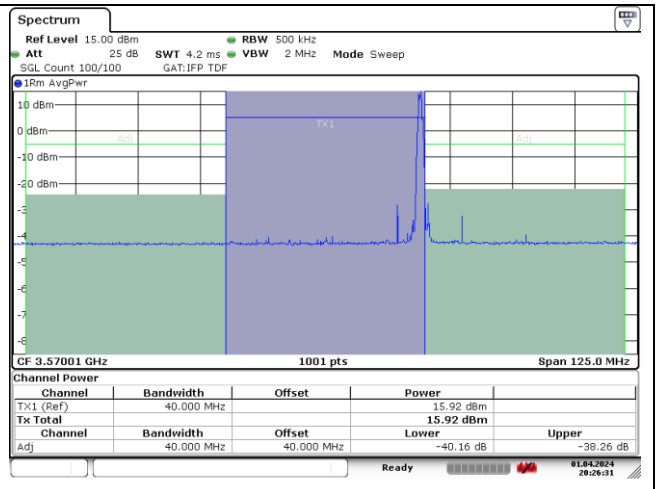


DFT-S-OFDM 16QAM - High Channel - Full RB

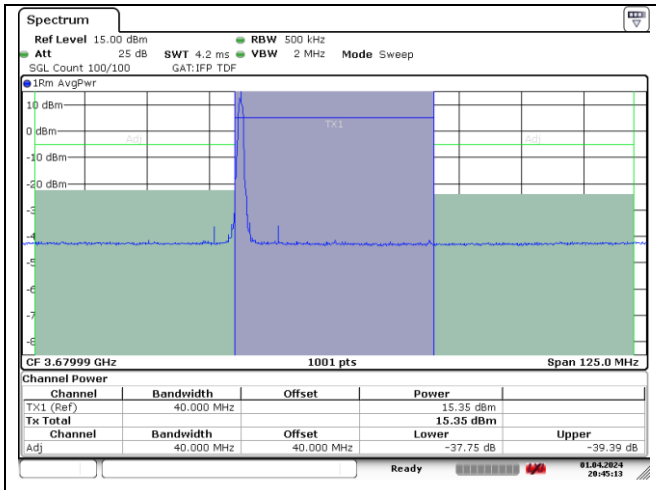
NR band 48 (40 ㎒)



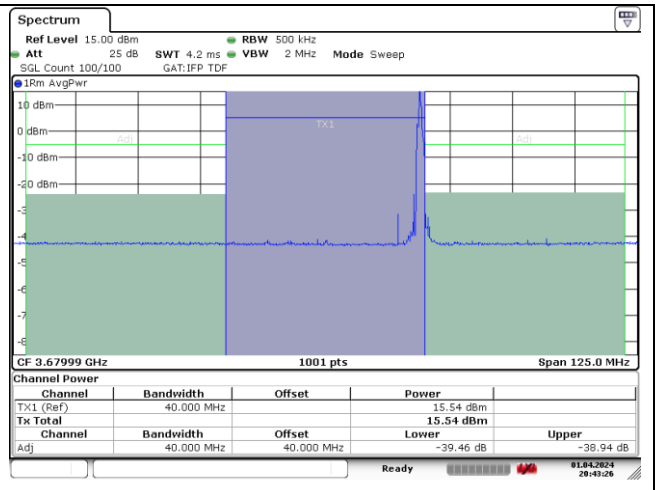
CP-OFDM QPSK - Low Channel - 1 RB



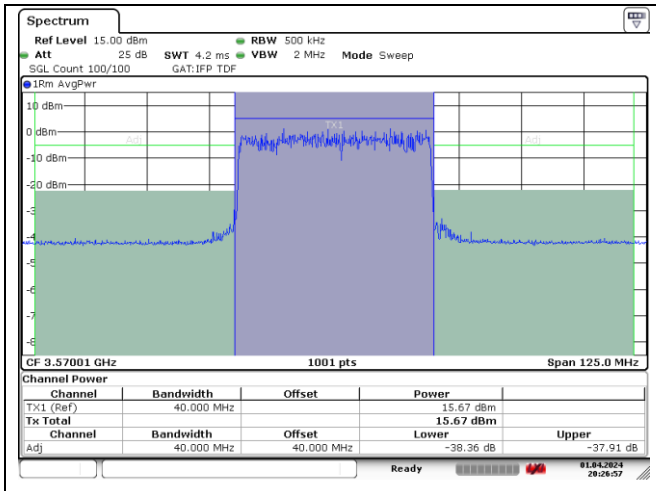
CP-OFDM QPSK - Low Channel - 1 RB



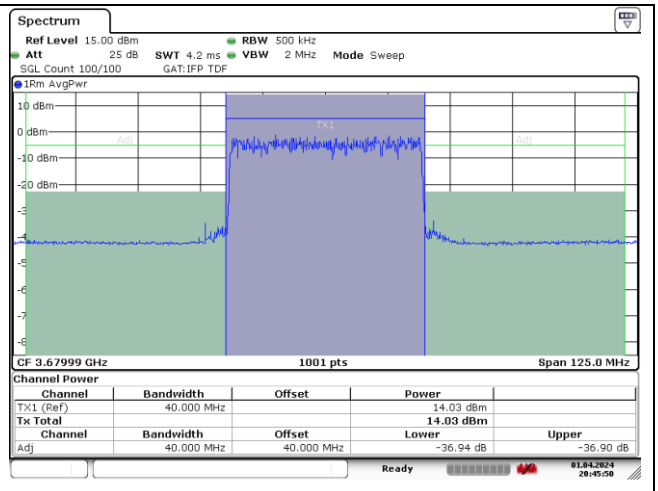
CP-OFDM QPSK - High Channel - 1 RB



CP-OFDM QPSK - High Channel - 1 RB

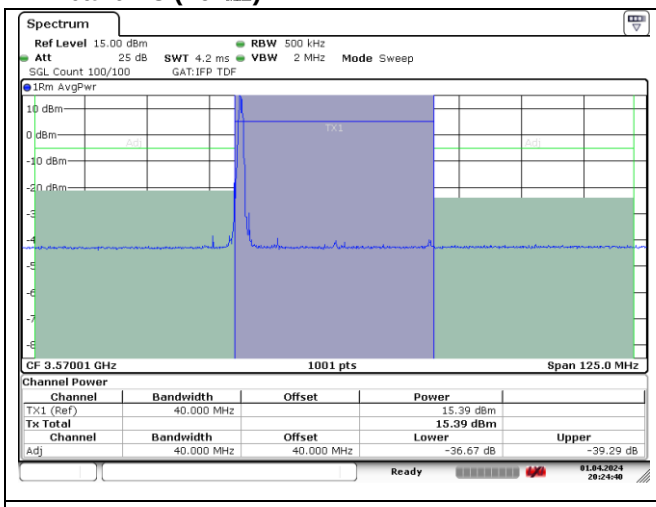


CP-OFDM QPSK - Low Channel - Full RB

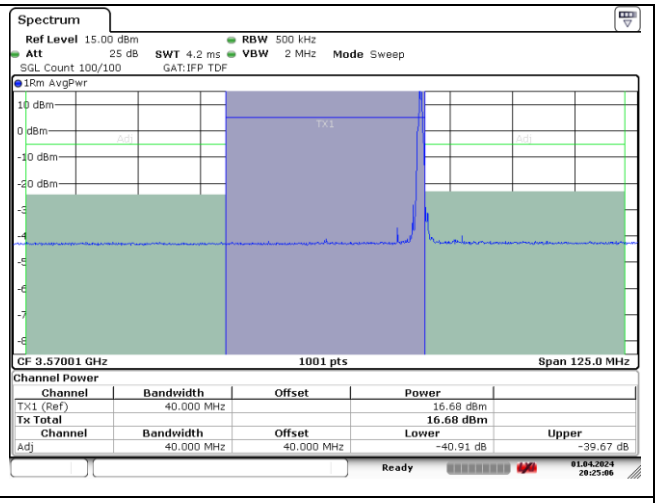


CP-OFDM QPSK - High Channel - Full RB

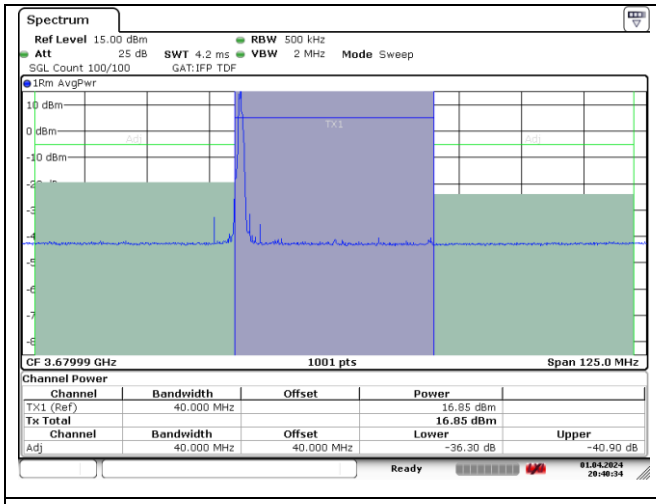
NR band 48 (40 ㎒)



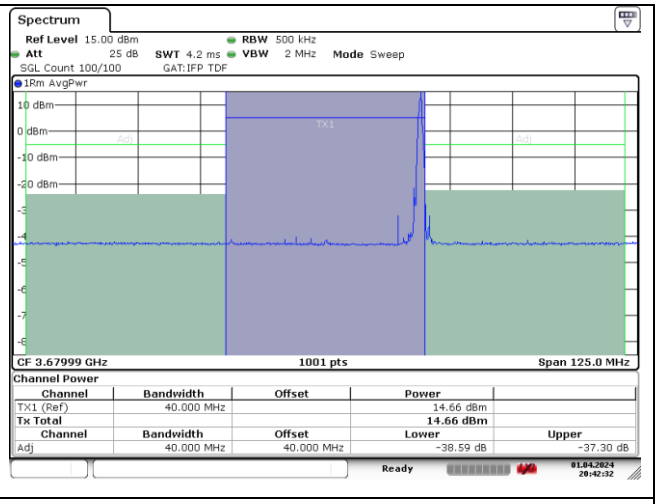
CP-OFDM 16QAM - Low Channel - 1 RB



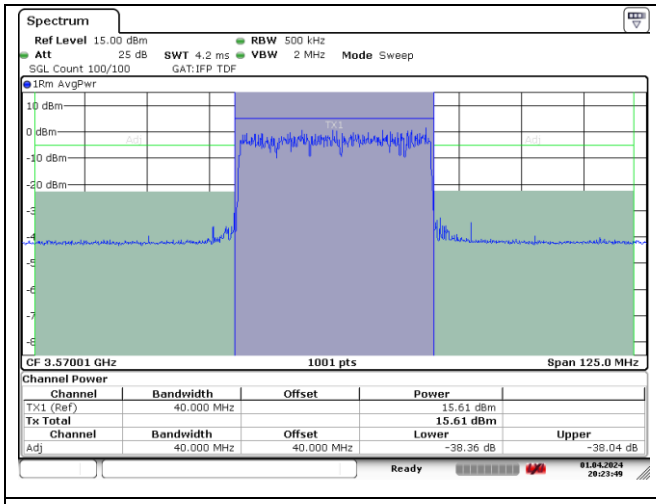
CP-OFDM 16QAM - Low Channel - 1 RB



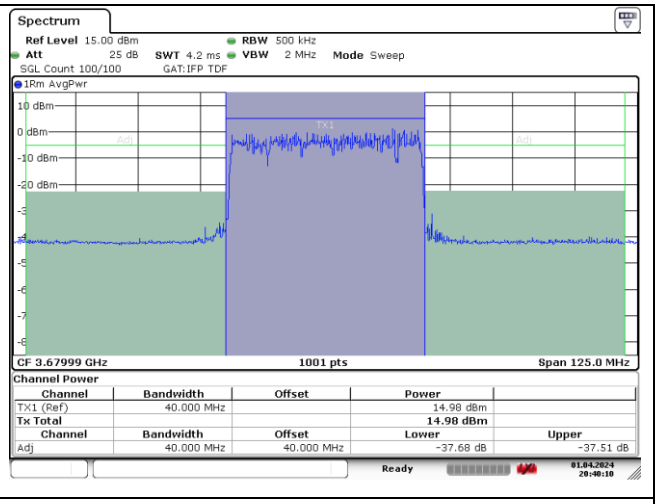
CP-OFDM 16QAM - High Channel - 1 RB



CP-OFDM 16QAM - High Channel - 1 RB



CP-OFDM 16QAM - Low Channel - Full RB



CP-OFDM 16QAM - High Channel - Full RB

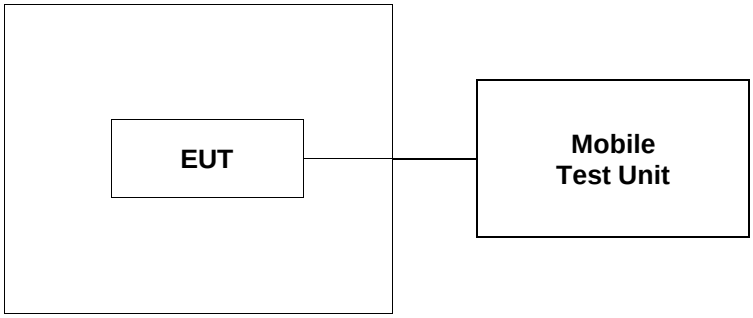
8. Frequency Stability

8.1. Limit

- § 2.1055 (a), § 2.1055 (d)

8.2. Test Procedure

1. Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to a Mobile Test Unit via feed-through attenuators.
2. The EUT was placed inside the temperature chamber.
3. After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from Mobile Test Unit.



8.3. Test Results

Ambient temperature : (23 ± 1) ℃
Relative humidity : 47 % R.H.

LTE band 48 at middle channel

Reference Frequency: 3 625.0 ㎒			
Frequency Stability versus Temperature			
Environment Temperature (℃)	**Power Supplied (V)**	**Frequency Measure with Time Elapse**	
		Frequency Error (㎐)	**ppm**
50	4.10	-8.70	-0.002 84
40		0.40	-0.000 33
30		-0.40	-0.000 55
20(Ref.)		1.60	-
10		5.80	0.001 16
0		9.30	0.002 12
-10		-5.10	-0.001 85
-20		1.50	-0.000 03
-30		-8.70	-0.002 84
Frequency Stability versus Power Supply			
Environment Temperature (℃)	**Power Supplied (V)**	**Frequency Measure with Time Elapse**	
		Frequency Error (㎐)	**ppm**
20	3.49 (85%)	-3.30	-0.001 35
	4.72 (115%)	9.40	0.002 15

NR band 48 at middle channel

Reference Frequency: 3 624.99 ㎒			
Frequency Stability versus Temperature			
Environment Temperature (℃)	**Power Supplied (V)**	**Frequency Measure with Time Elapse**	
		Frequency Error (㎐)	**ppm**
50	3.90	4.10	-0.000 41
40		9.20	0.000 99
30		10.00	0.001 21
20(Ref.)		5.60	-
10		-2.80	-0.002 32
0		0.40	-0.001 43
-10		6.70	0.000 30
-20		7.20	0.000 44
-30		1.70	-0.001 08
Frequency Stability versus Power Supply			
Environment Temperature (℃)	**Power Supplied (V)**	**Frequency Measure with Time Elapse**	
		Frequency Error (㎐)	**ppm**
20	3.49 (85%)	-4.20	-0.002 70
	4.72 (115%)	0.30	-0.001 46

- End of the Test Report -