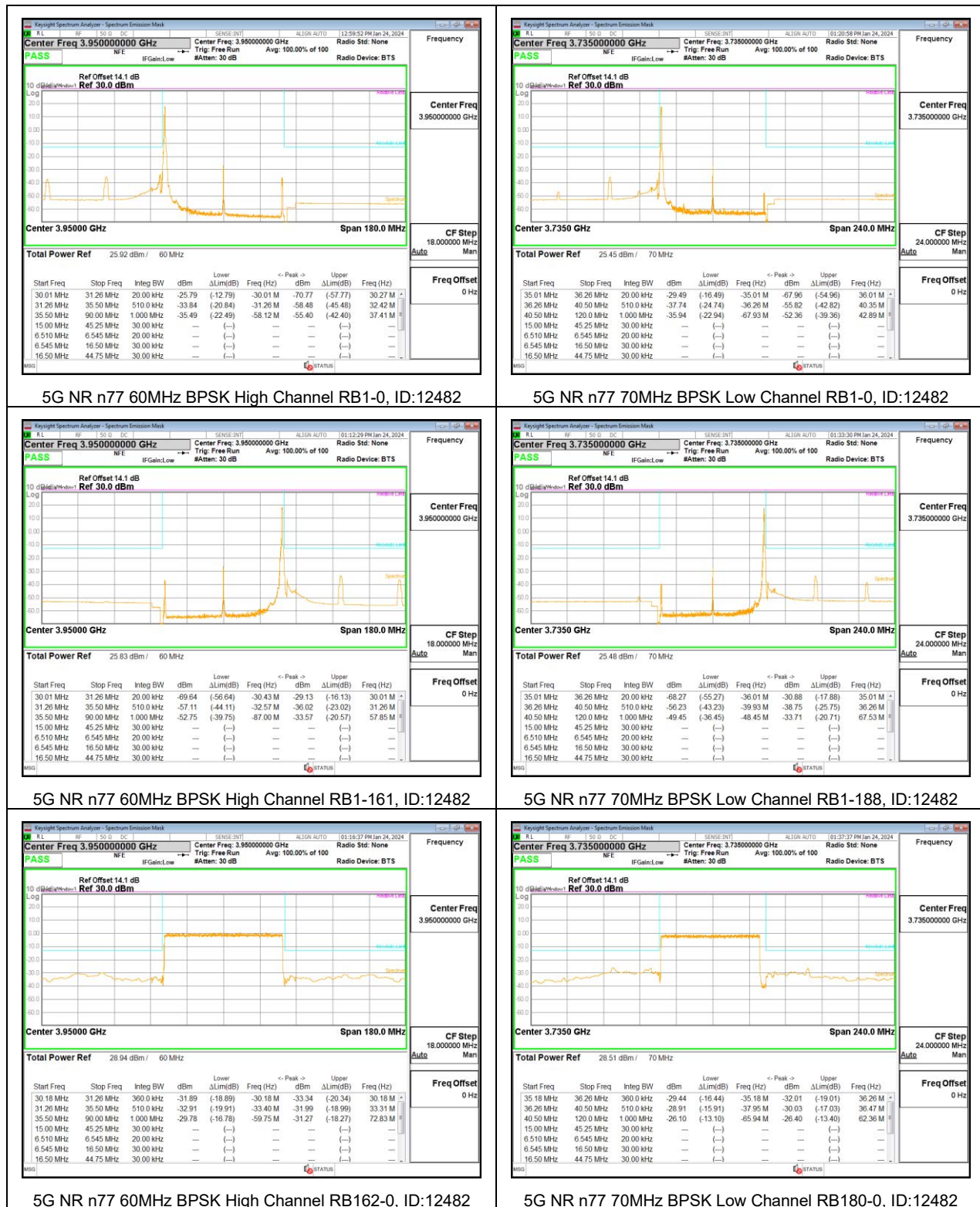
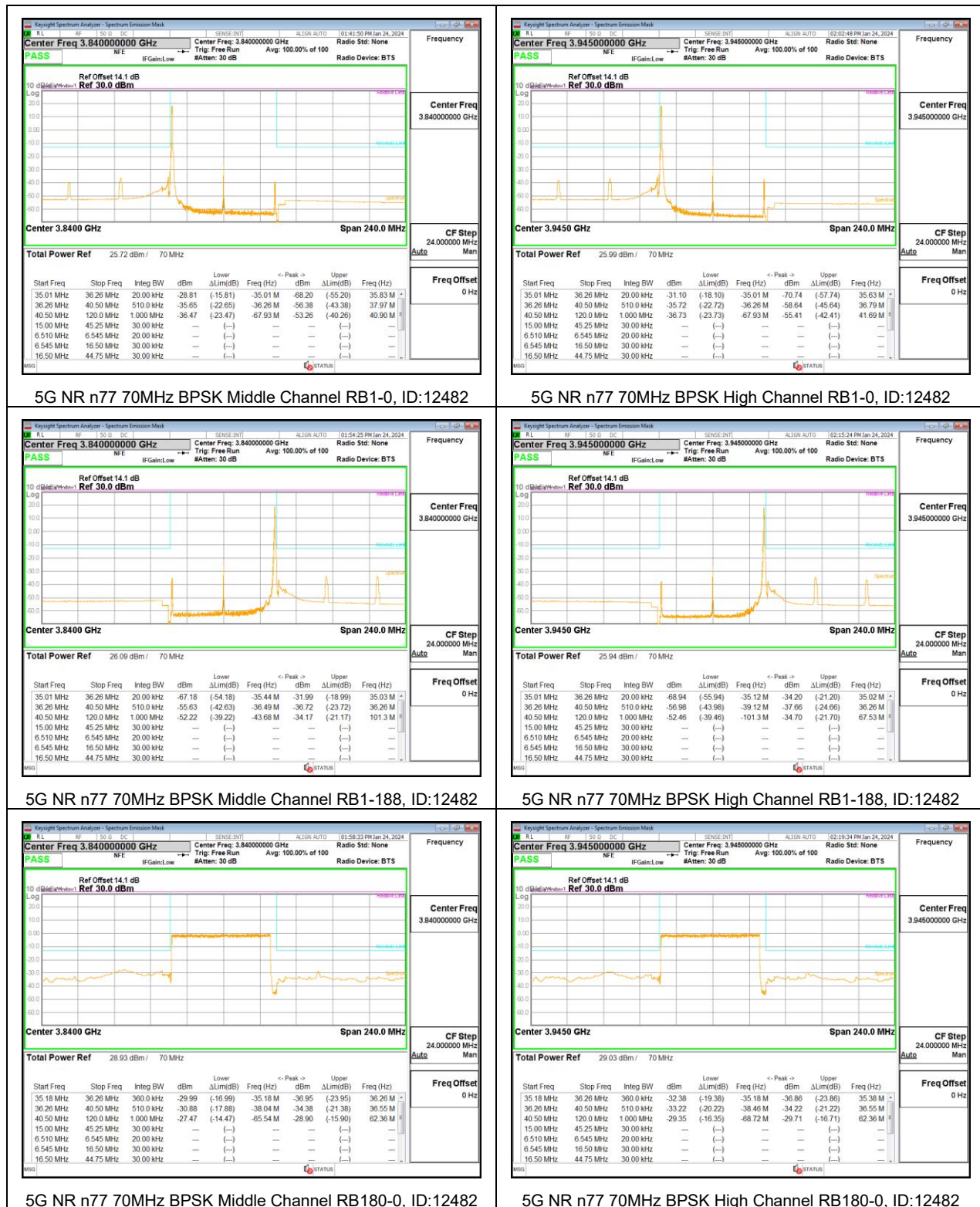
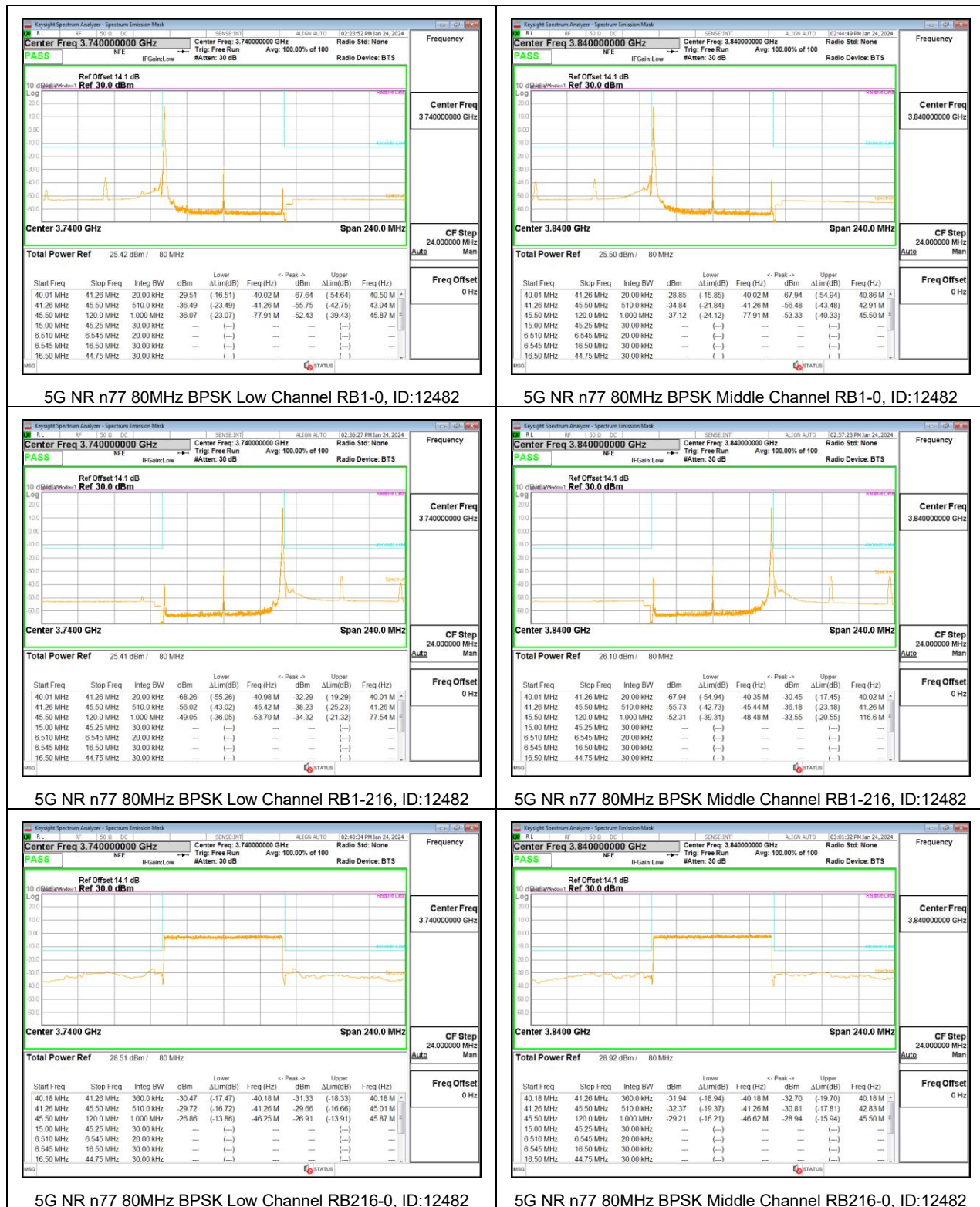
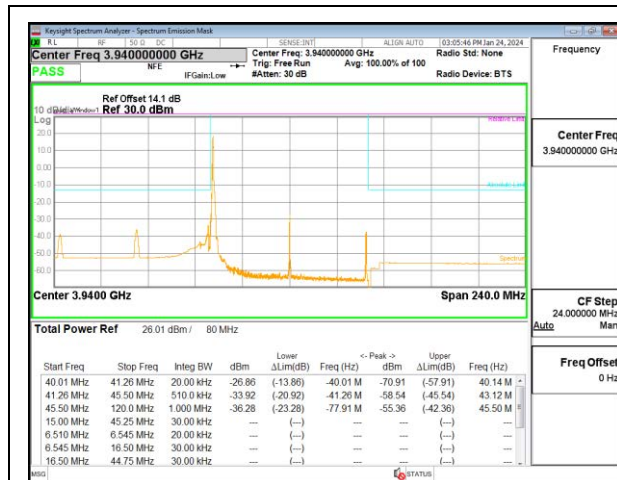






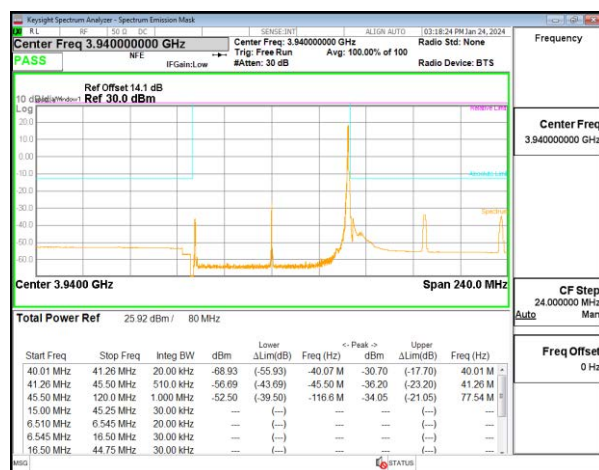




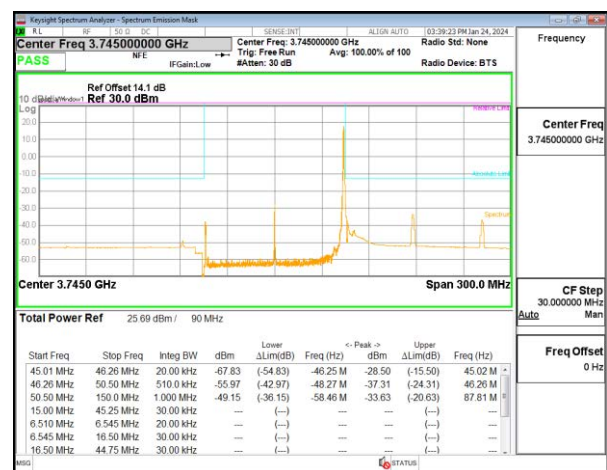
5G NR n77 80MHz BPSK High Channel RB1-0, ID:12482



5G NR n77 90MHz BPSK Low Channel RB1-0, ID:12482



5G NR n77 80MHz BPSK High Channel RB1-216, ID:12482



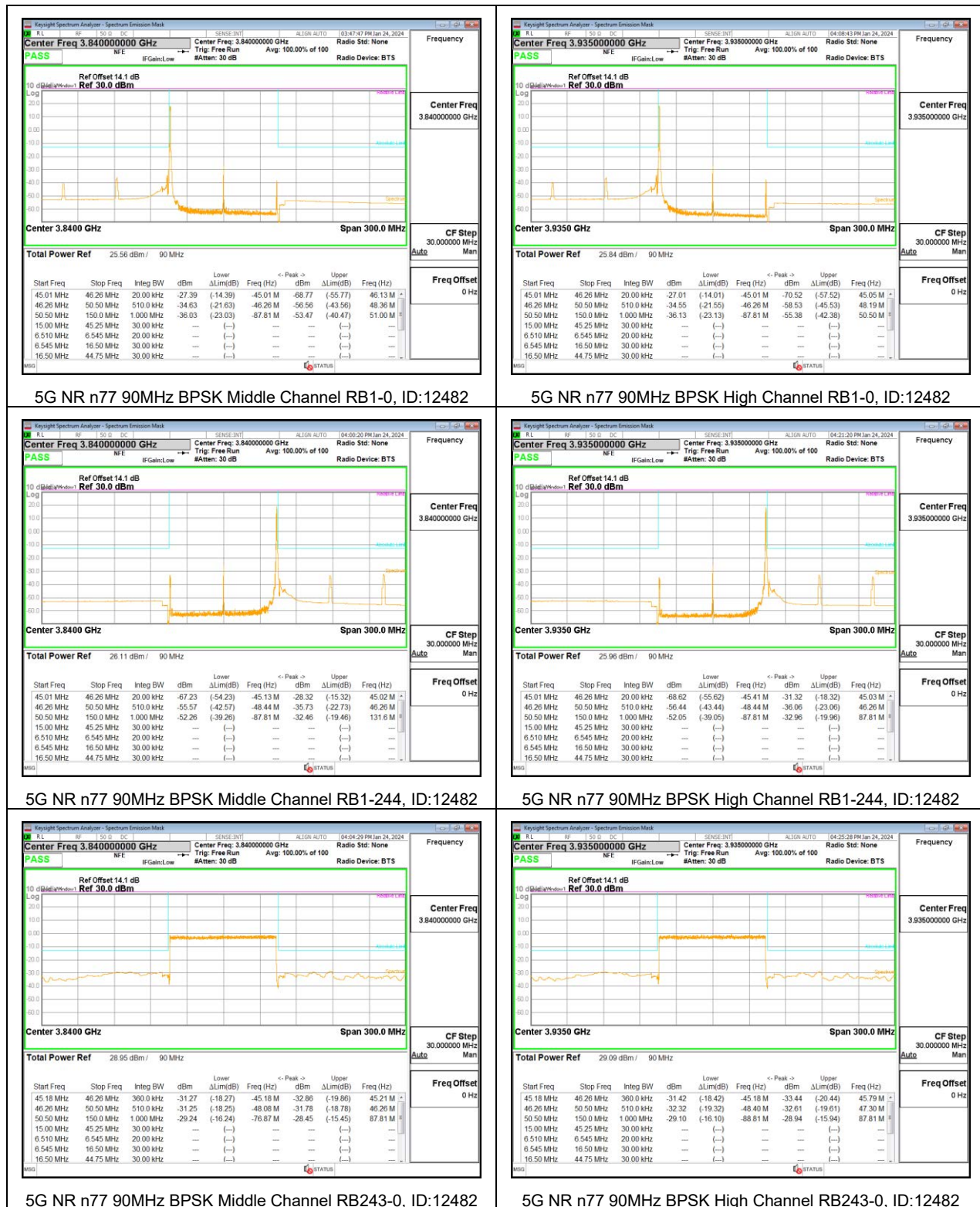
5G NR n77 90MHz BPSK Low Channel RB1-244, ID:12482

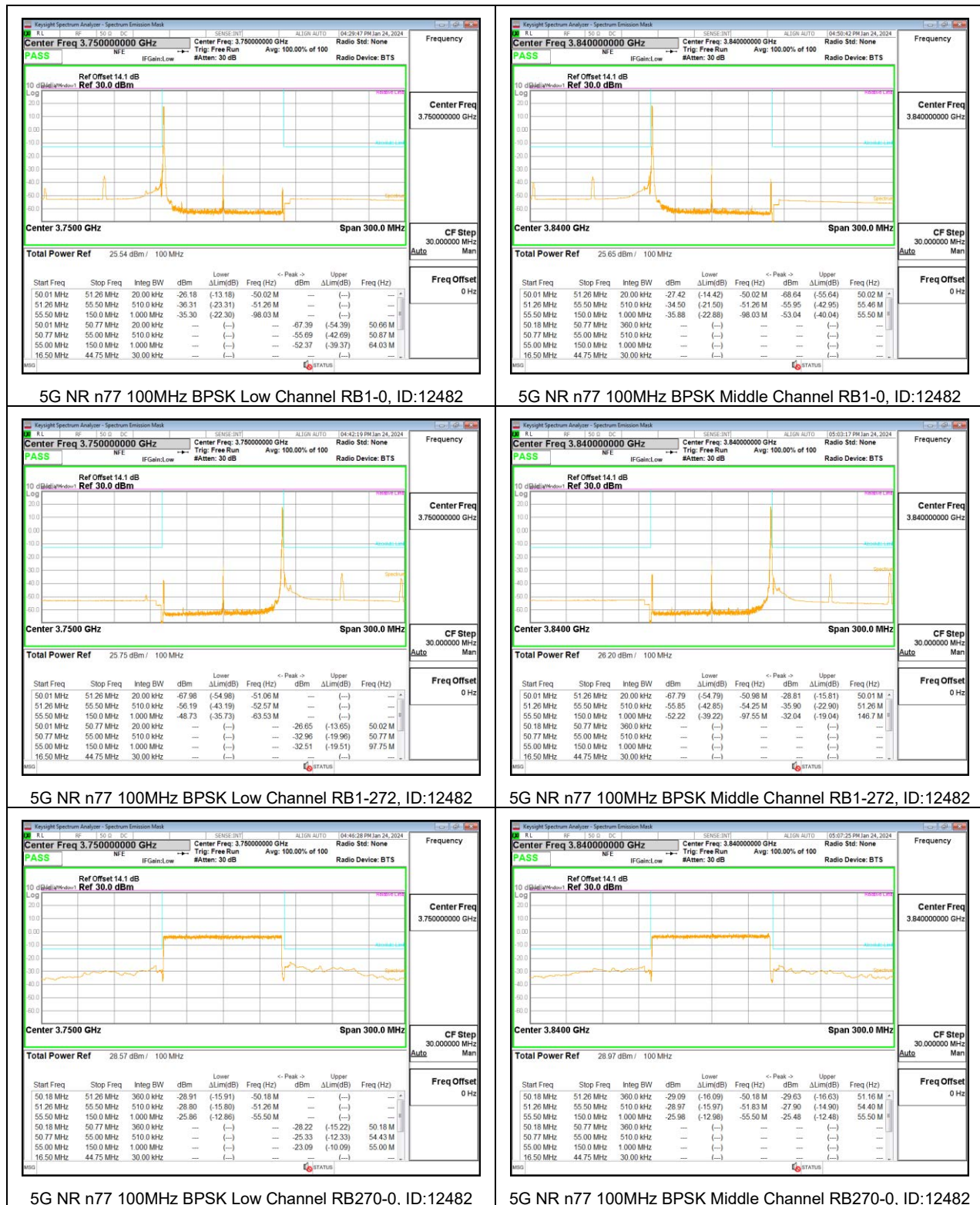


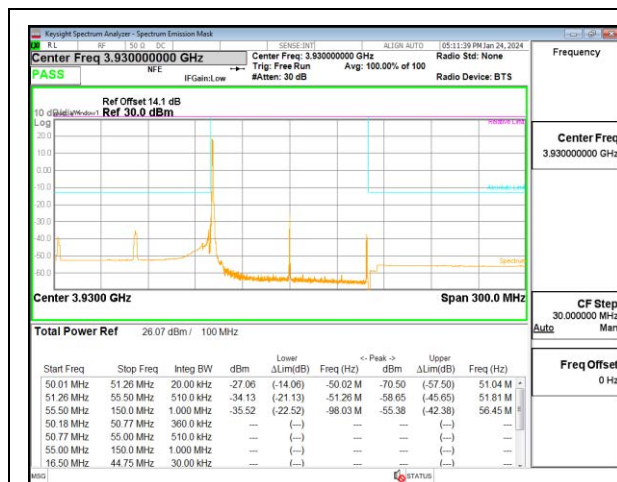
5G NR n77 80MHz BPSK High Channel RB216-0, ID:12482



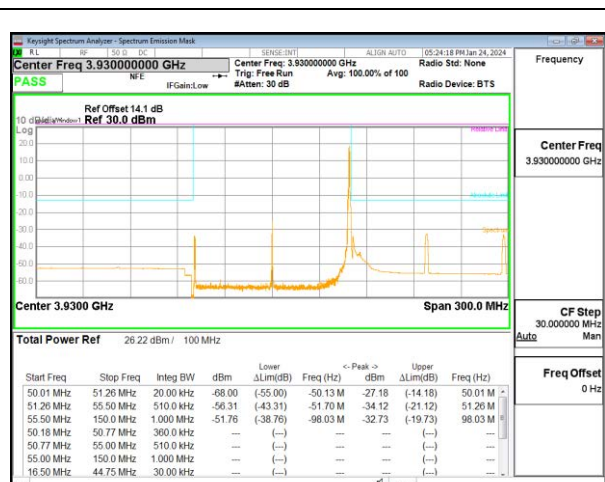
5G NR n77 90MHz BPSK Low Channel RB243-0, ID:12482



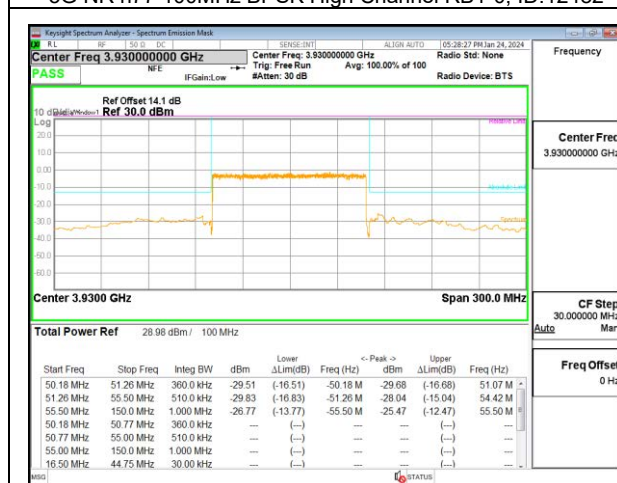




5G NR n77 100MHz BPSK High Channel RB1-0, ID:12482



5G NR n77 100MHz BPSK High Channel RB1-272, ID:12482



5G NR n77 100MHz BPSK High Channel RB270-0, ID:12482

Intentionally Blank

9.3. OUT OF BAND EMISSIONS

TEST PROCEDURE

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

- Set display line at -13 dBm, -25dBm and -40dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

QPSK with 1RB is the highest power and PSD to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

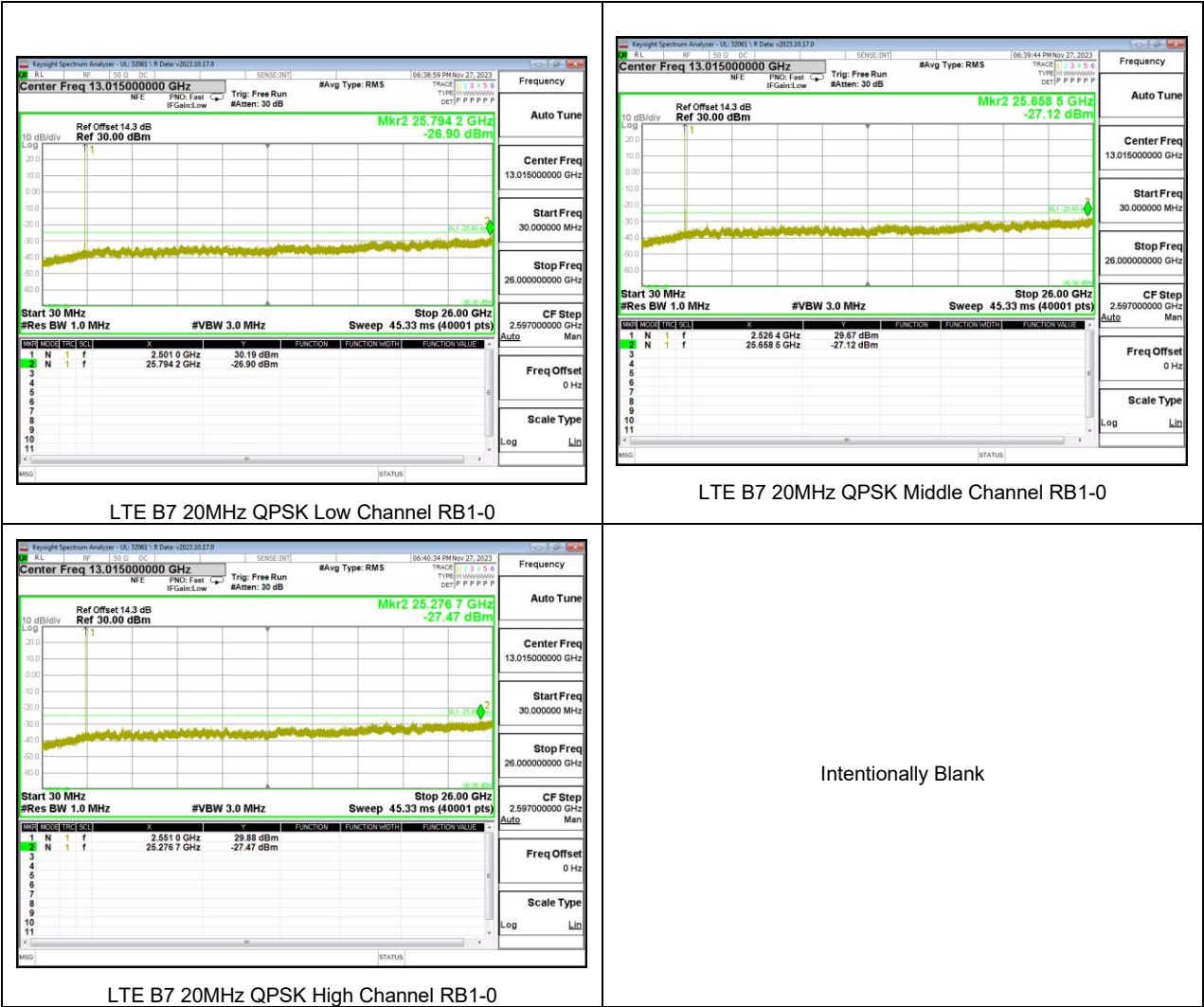
BPSK with 1RB is the highest power and PSD to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, BPSK with 1RB and wider bandwidths results are reported as worst case for 5G NRs.

9.3.1. LTE BAND 7 AND 5G NR n7

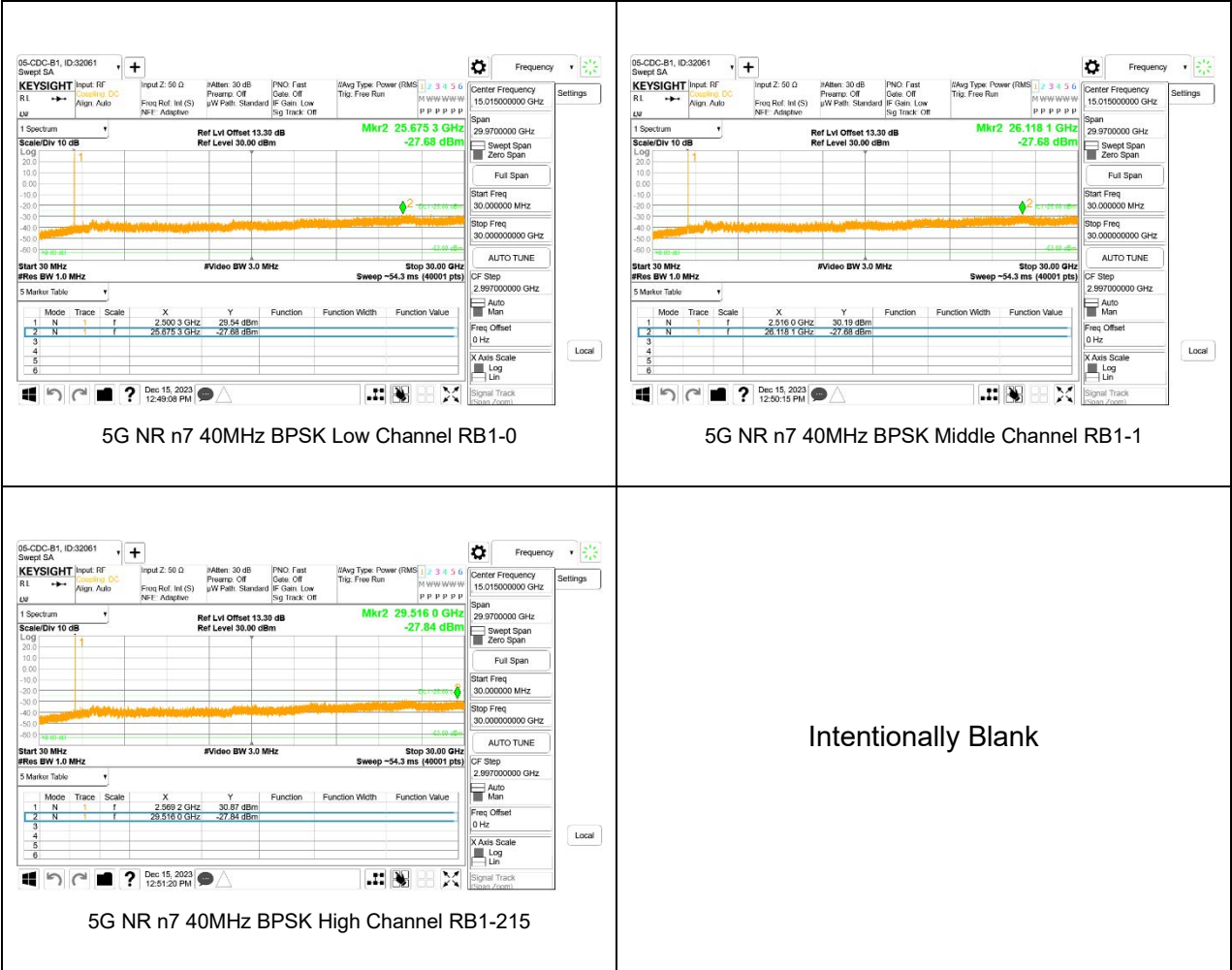
LIMITS

FCC: §27.53 (m)
The minimum permissible attenuation level of any spurious emissions is 55 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 7



5G NR n7

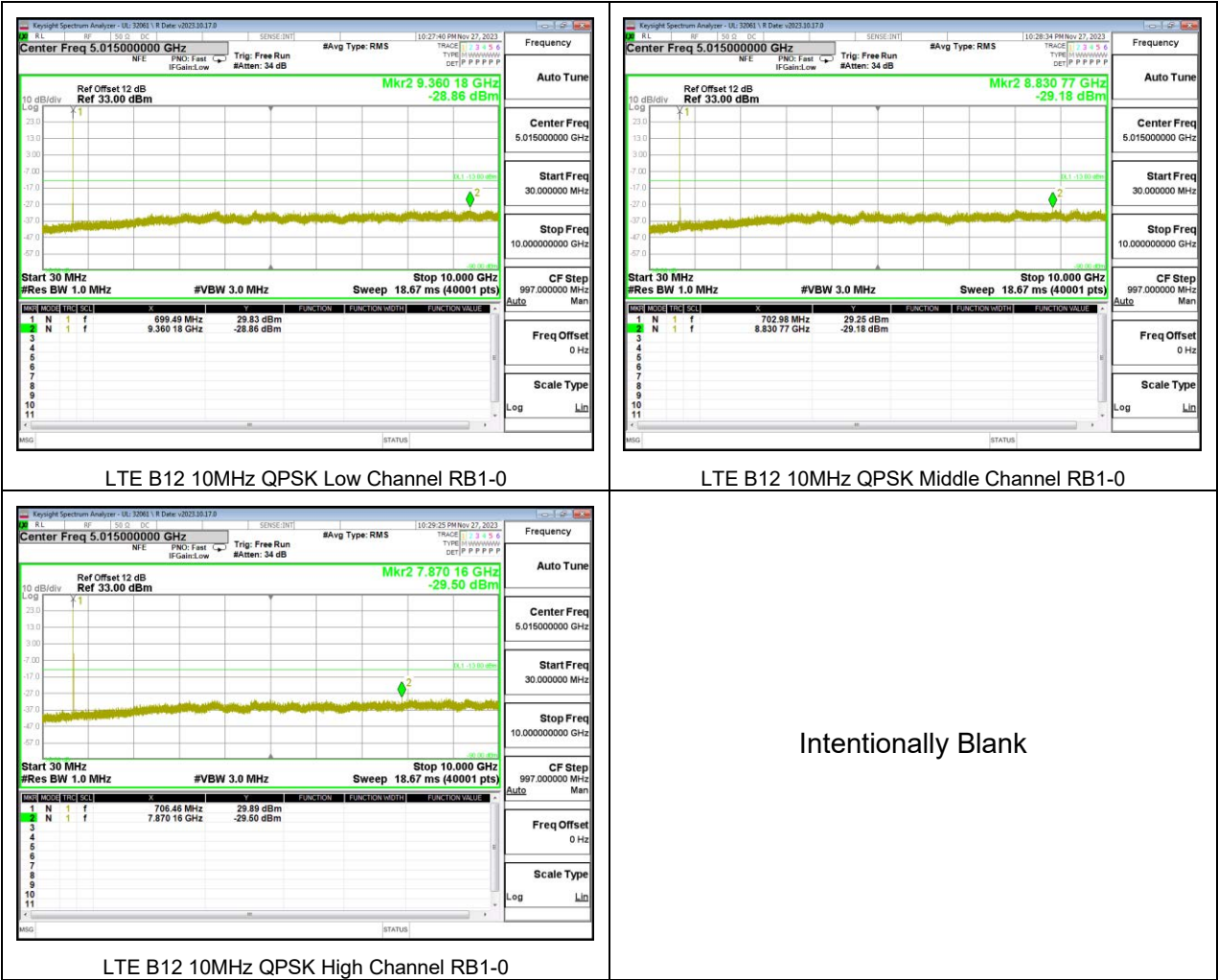


9.3.2. LTE BAND 12 AND 5G NR n12

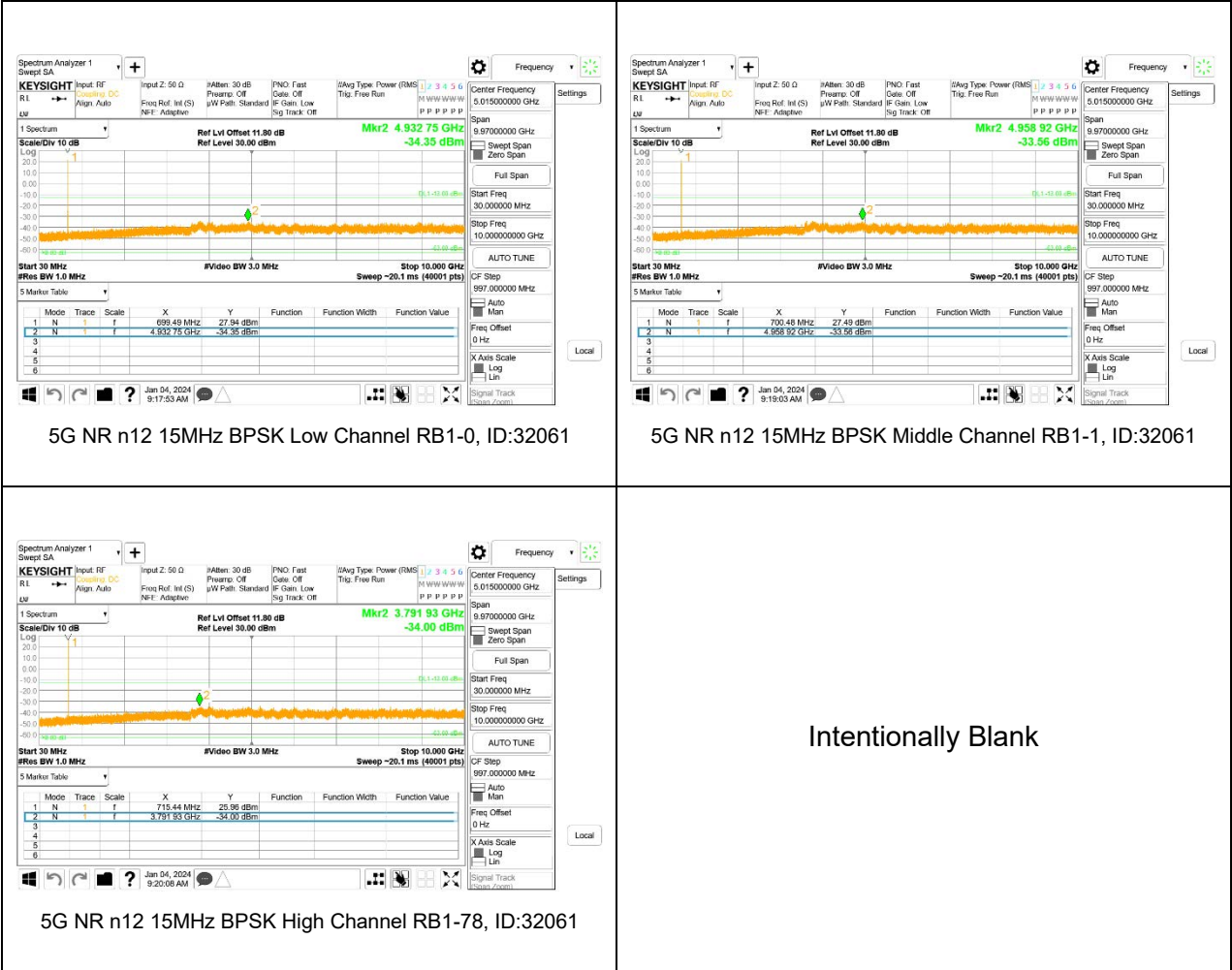
LIMITS

FCC: §27.53 (g)
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 12



5G NR n12



9.3.3. LTE BAND 13

LIMITS

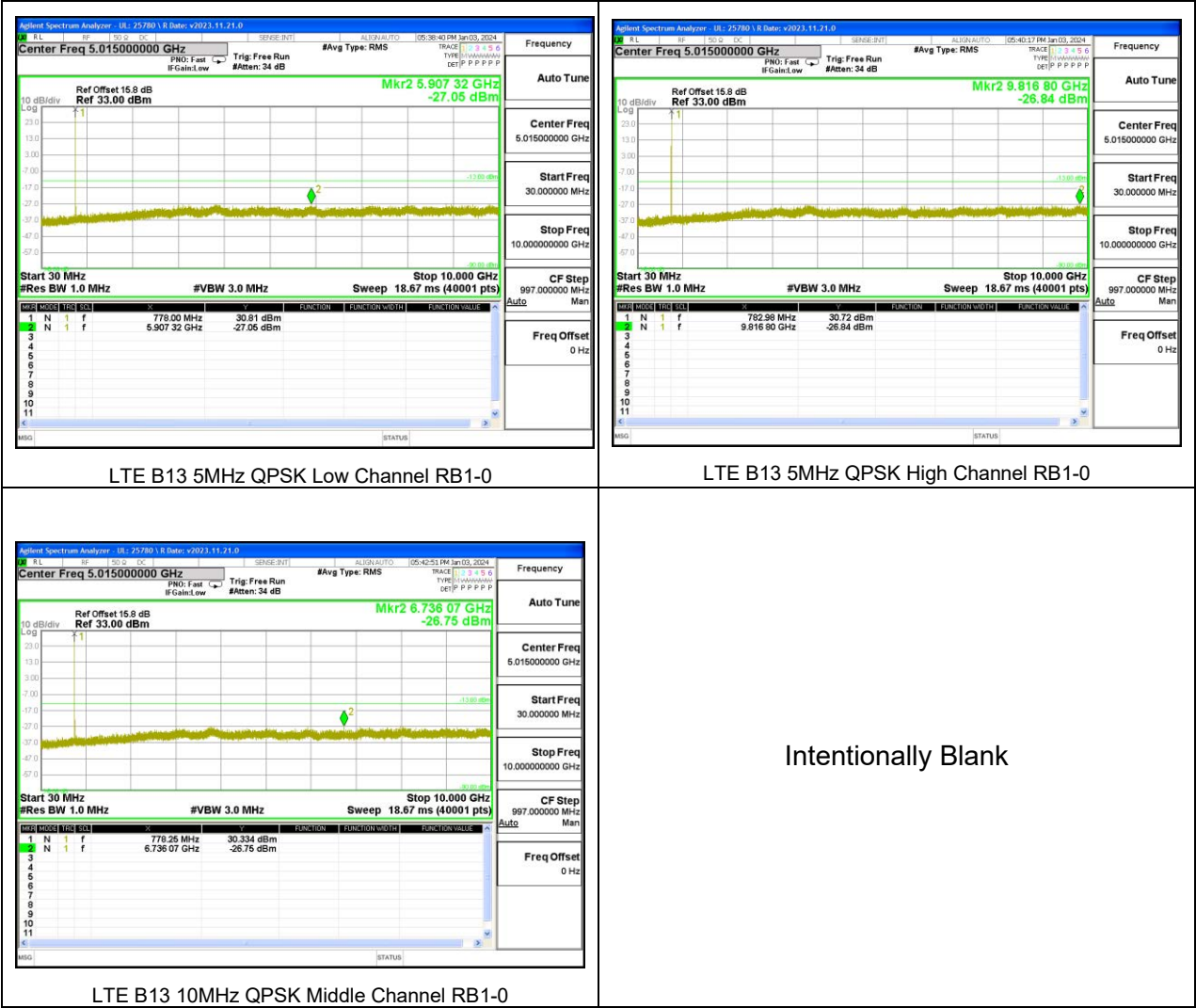
FCC: §27.53 (c), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 9.1.6 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40dBm/MHz limit was used.

Note: Radiated data in section 9.1.6 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

LTE BAND 13



9.3.4. LTE BAND 14 AND 5G NR n14

LIMITS

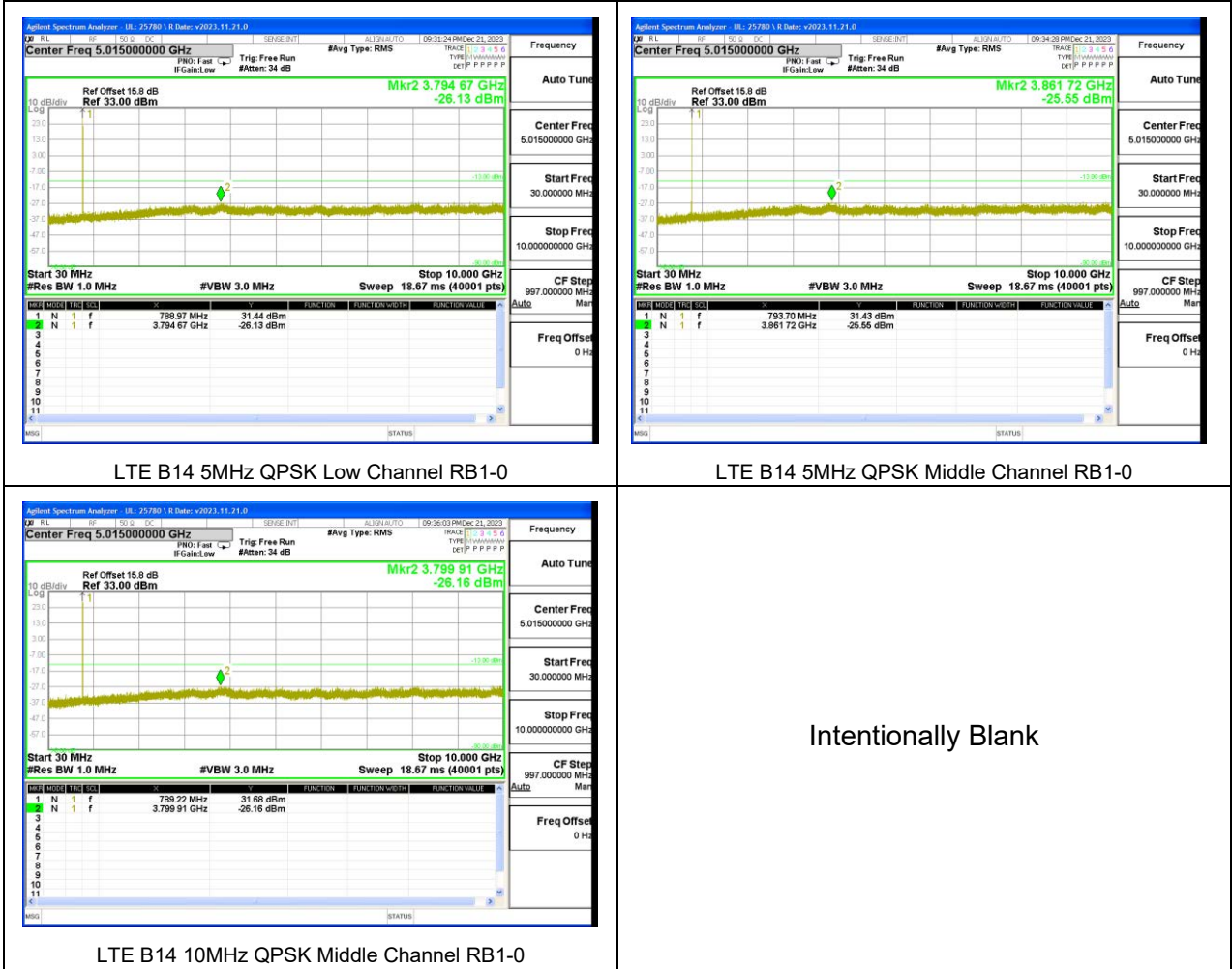
FCC: §90.543 (e), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 9.1.7 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40dBm/MHz limit was used.

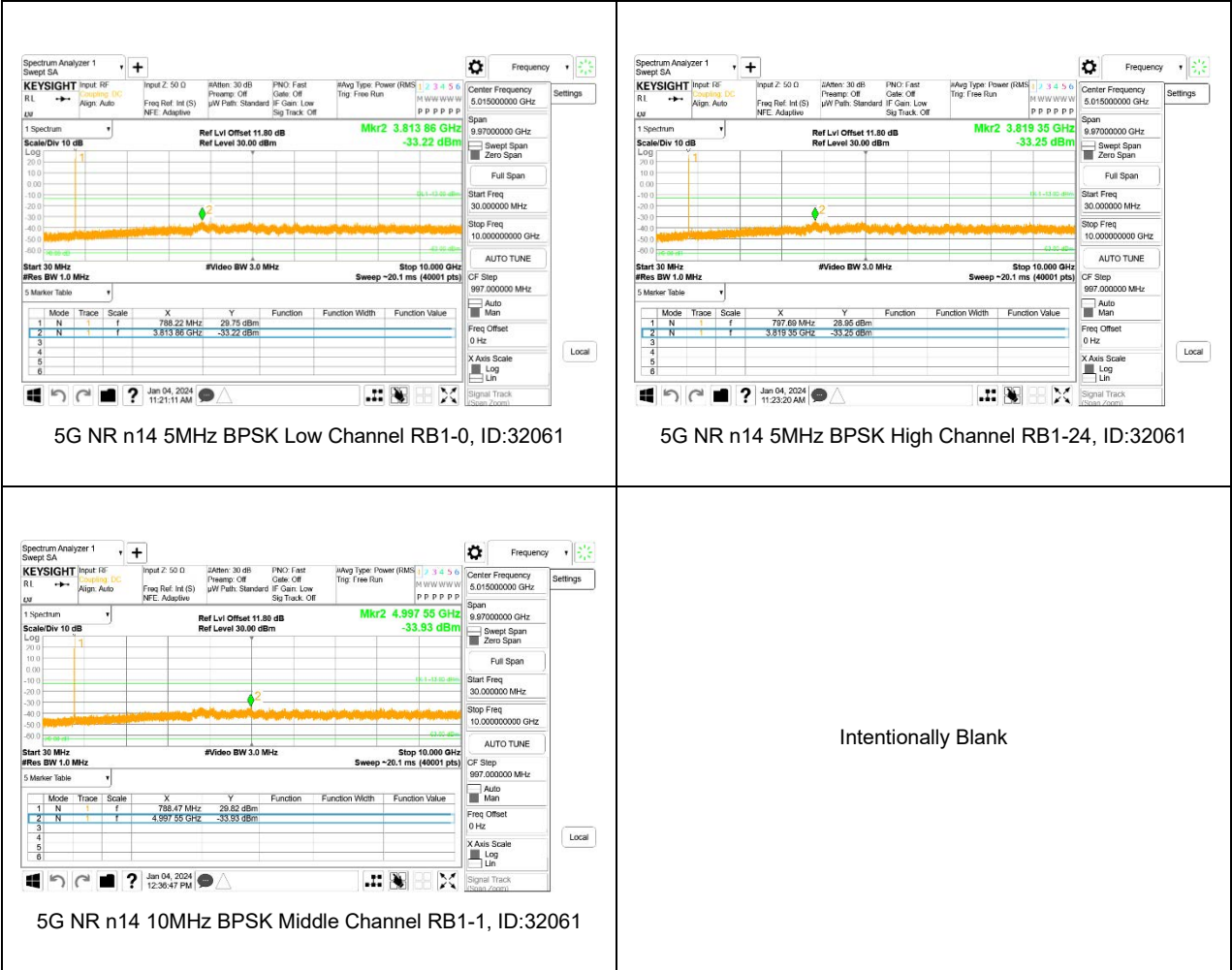
Note: Radiated data in section 9.1.7 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40dBm/MHz limit was used.

LTE BAND 14



Note: Radiated data in section 9.1.7 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

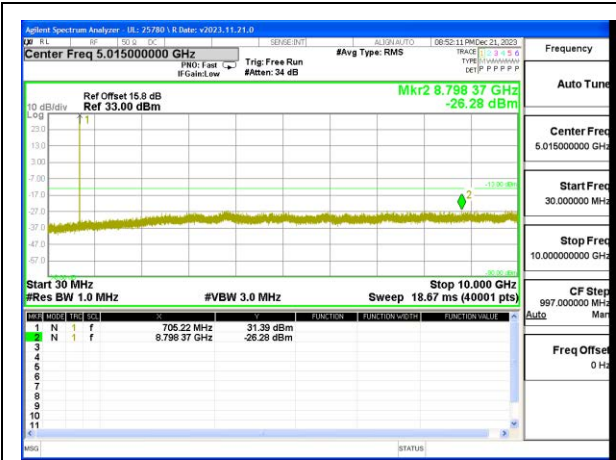
5G NR n14



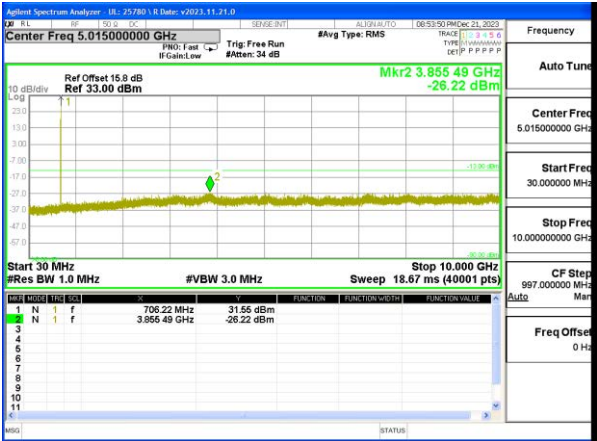
9.3.5. LTE BAND 17

LIMITS

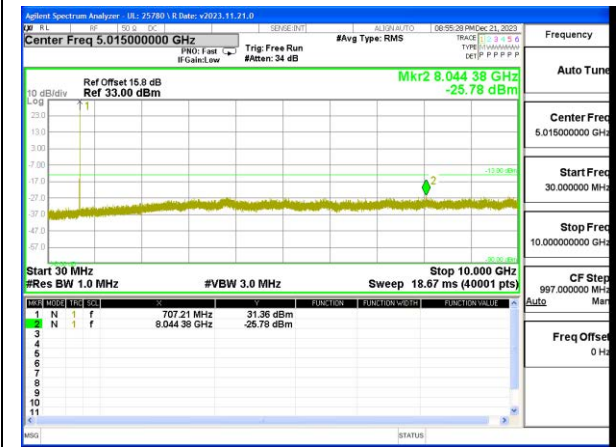
FCC: §27.53 (g)
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.



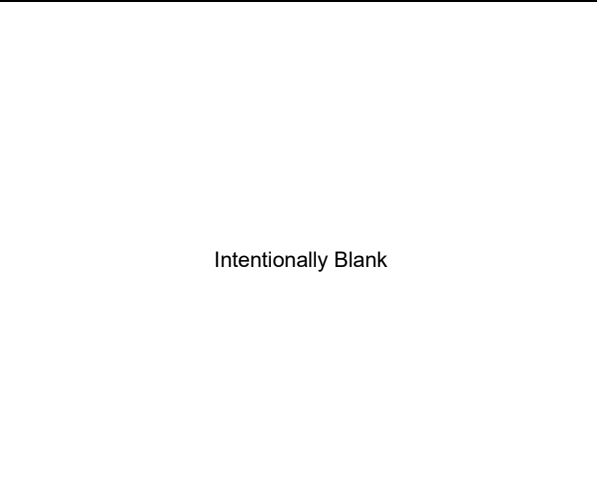
LTE B17 10MHz QPSK Low Channel RB1-0



LTE B17 10MHz QPSK Middle Channel RB1-0



LTE B17 10MHz QPSK High Channel RB1-0

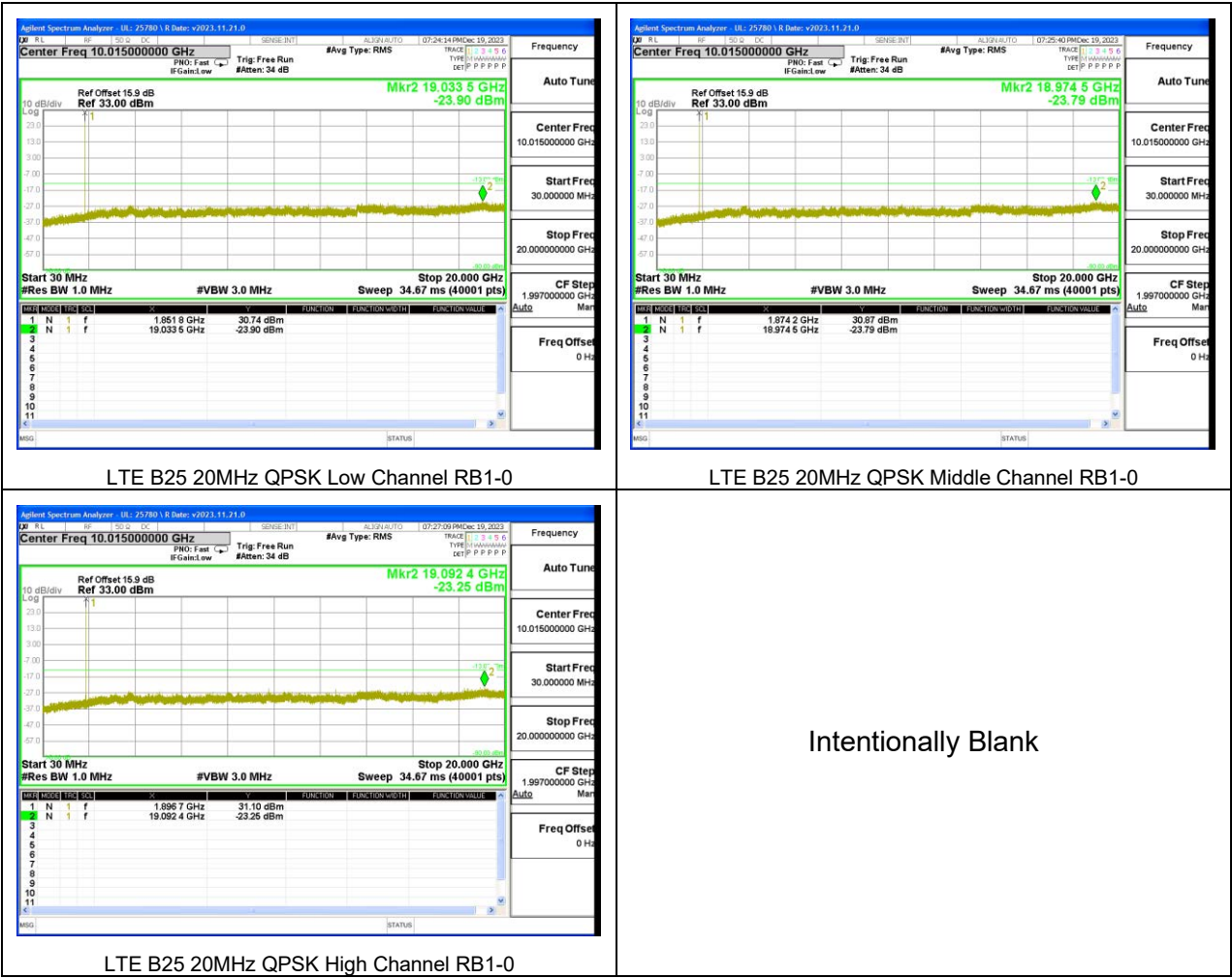


9.3.6. LTE BAND 25 AND 5G NR n25

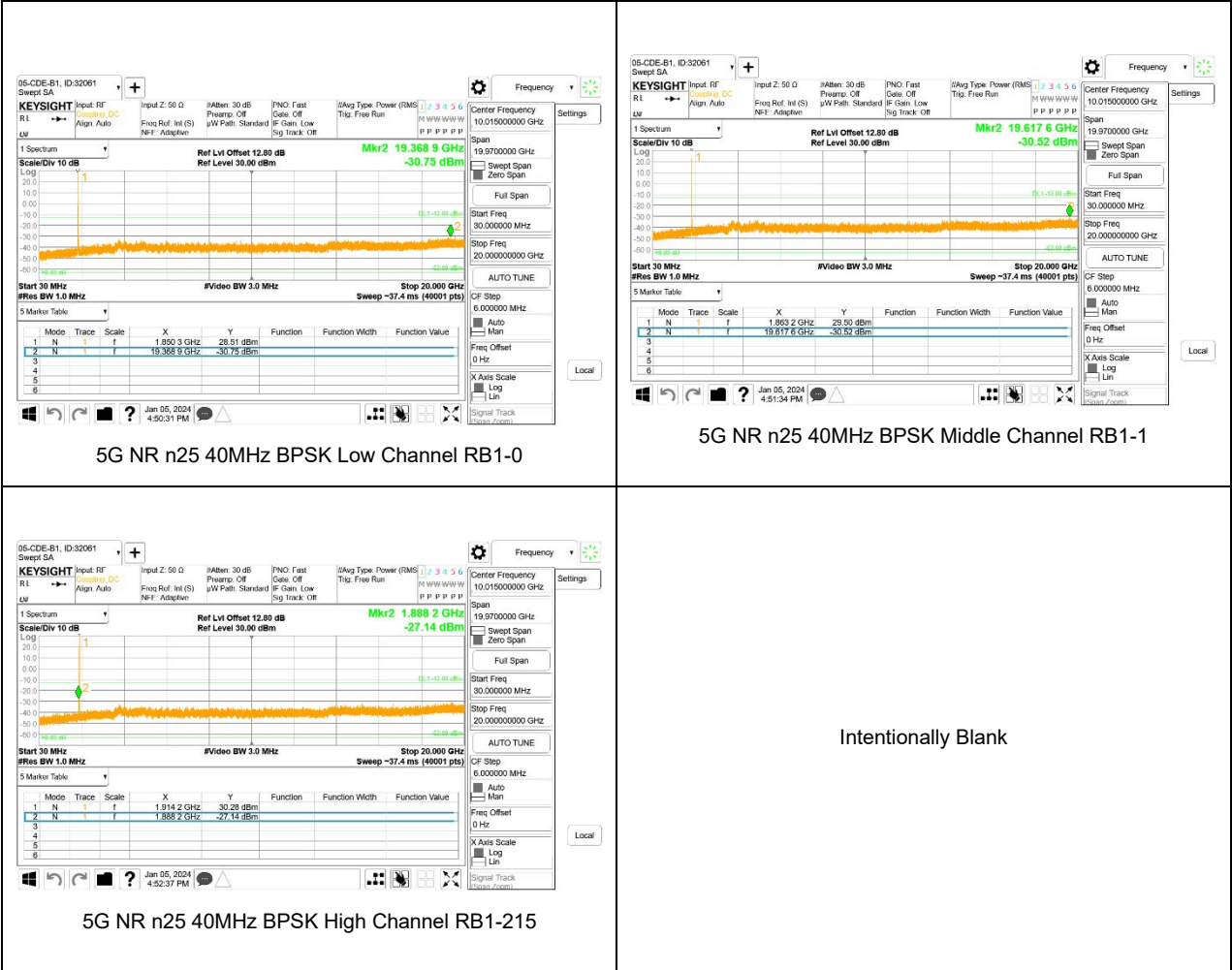
LIMITS

FCC: §24.238 (a)
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 25



5G NR n25

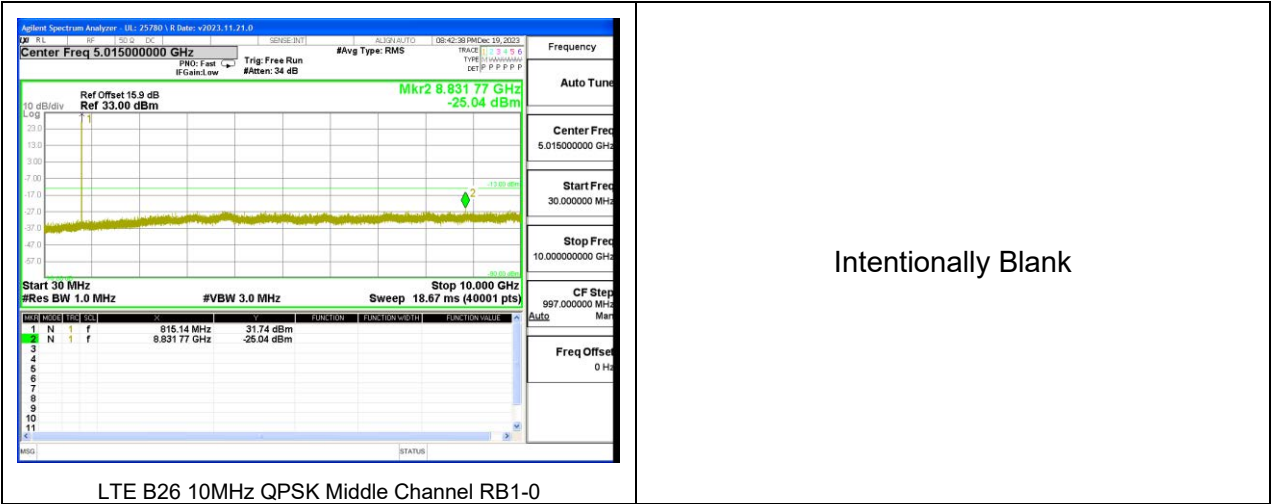


9.3.7. LTE BAND 26 AND 5G NR n26 (FCC PART 90S)

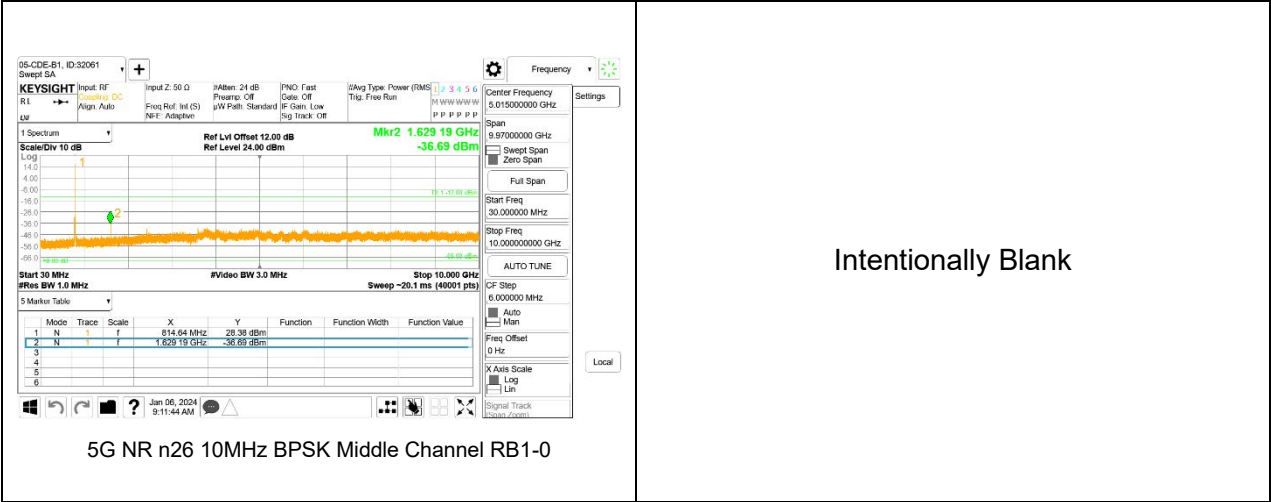
LIMITS

FCC: §90.691
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 26



5G NR n26

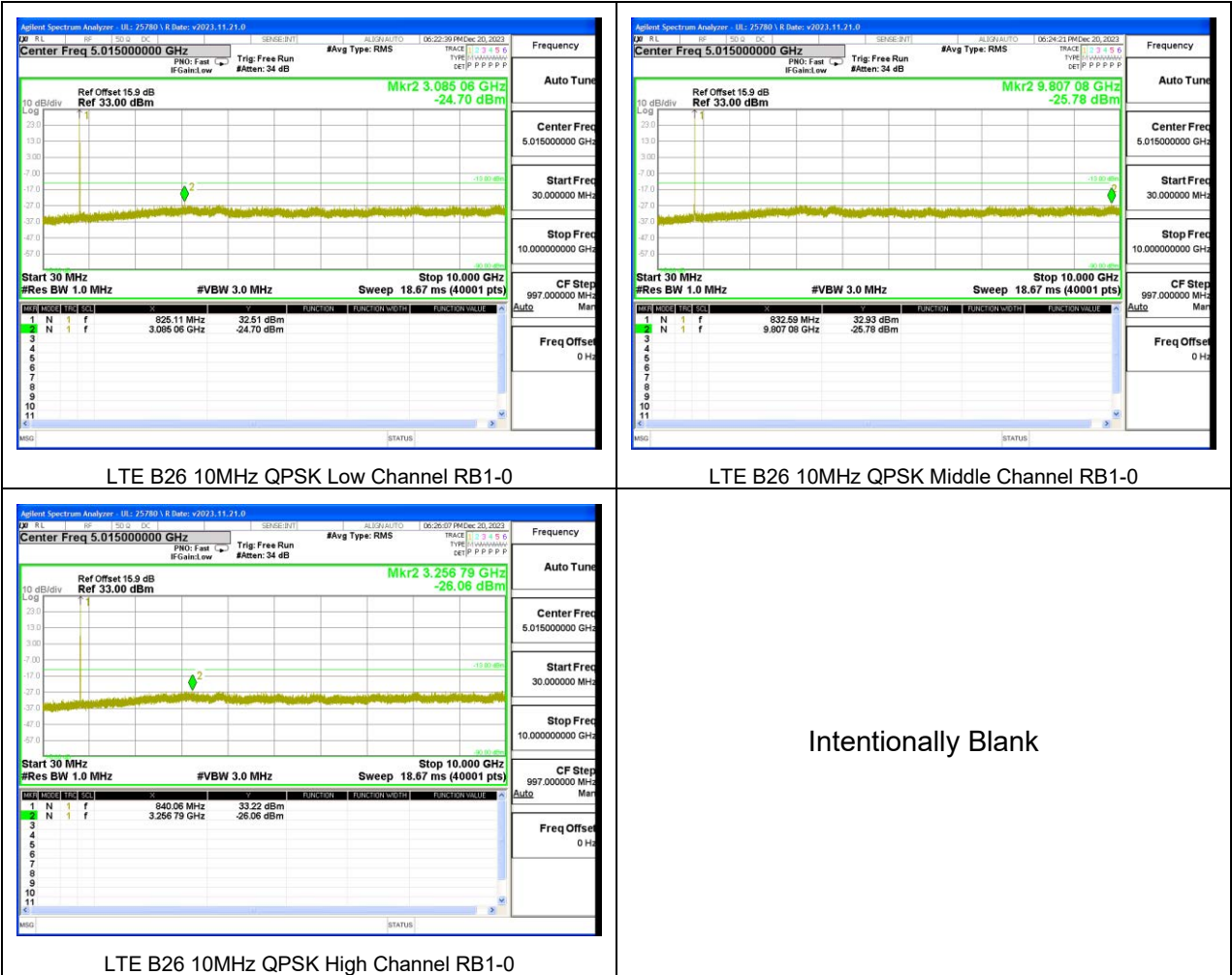


9.3.8. LTE BAND 26 AND 5G NR n26 (FCC PART 22)

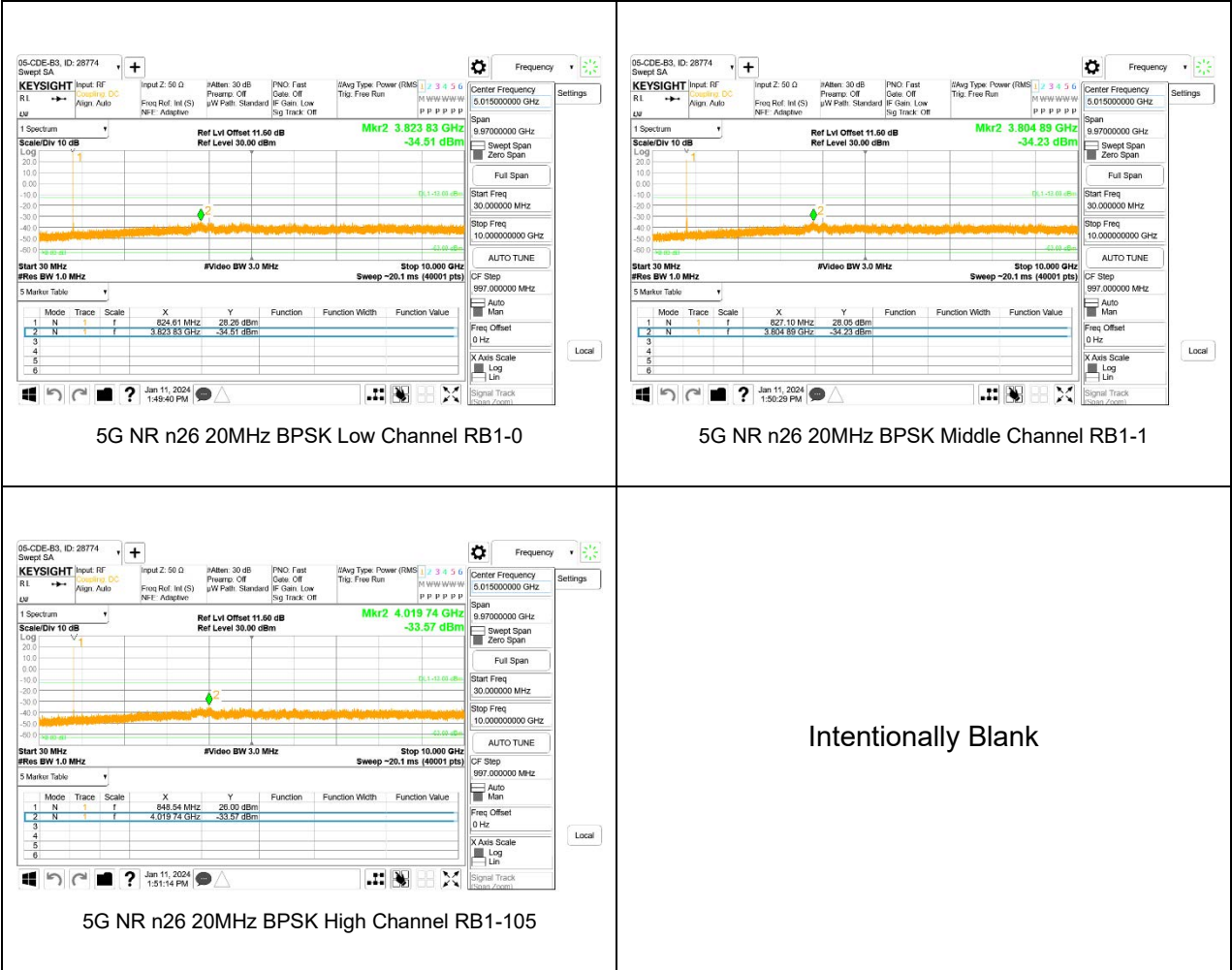
LIMITS

FCC: §22.917 (a)
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 26



5G NR n26

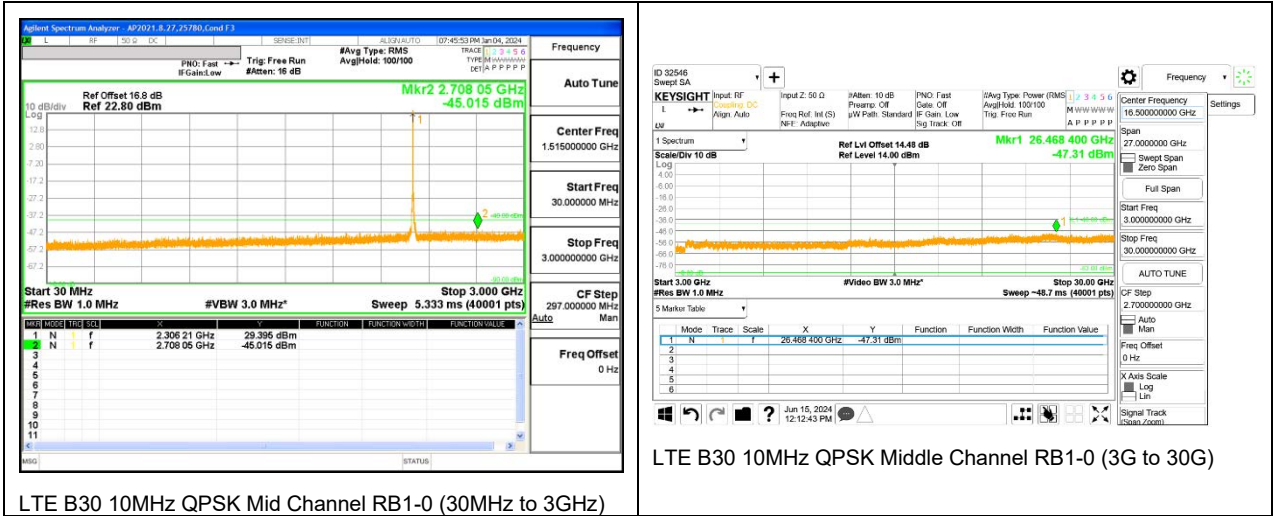


9.3.9. LTE BAND 30 AND 5G NR n30

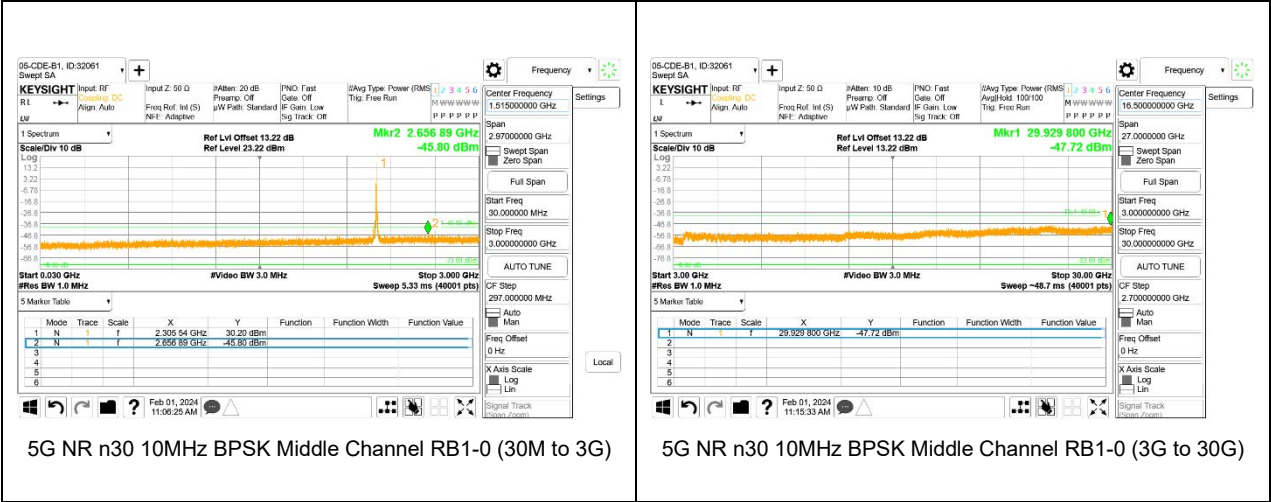
LIMITS

FCC: §27.53 (a)
The minimum permissible attenuation level of any spurious emissions is 70 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 30



5G NR n30

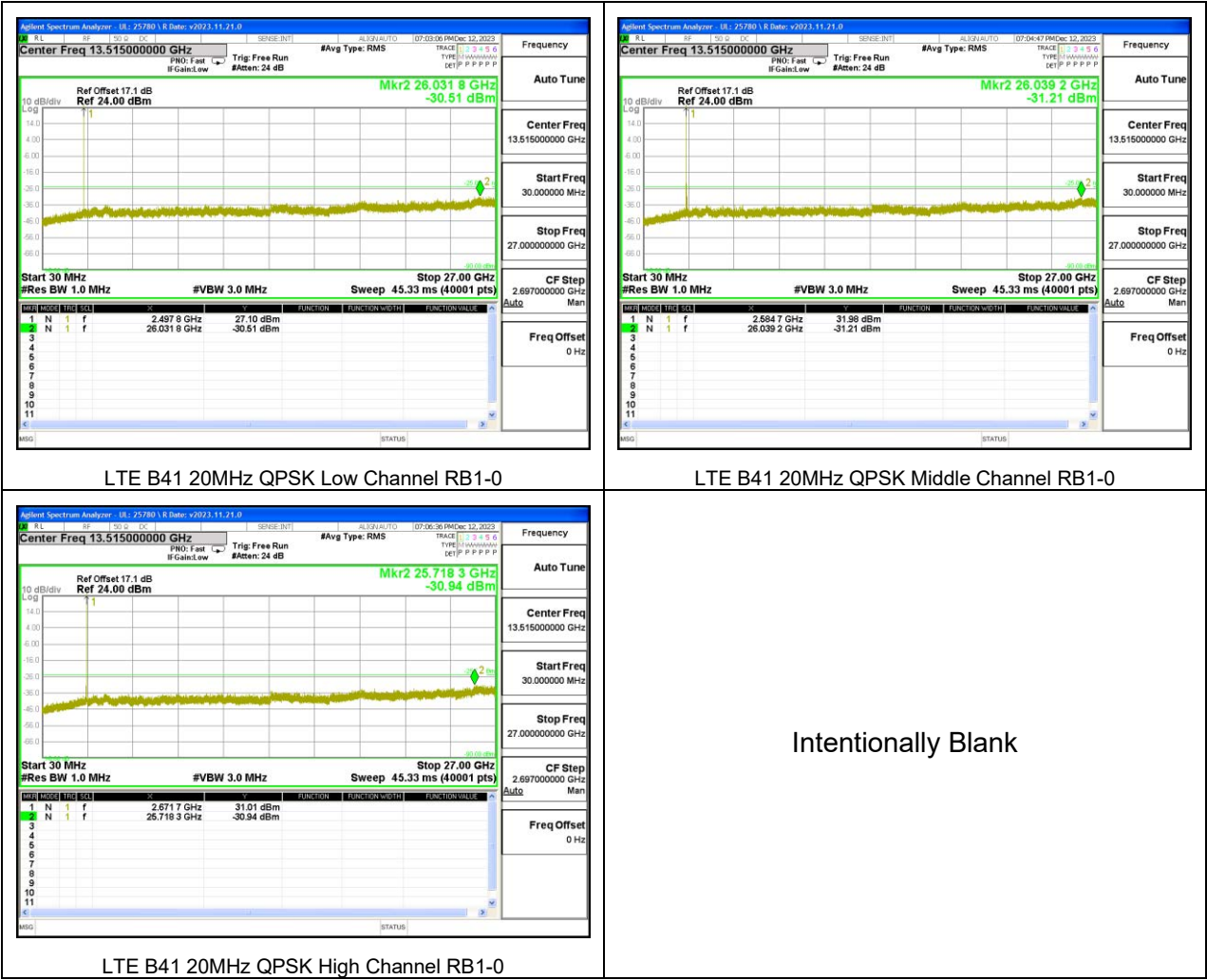


9.3.10. LTE BAND 41 AND 5G NR n41

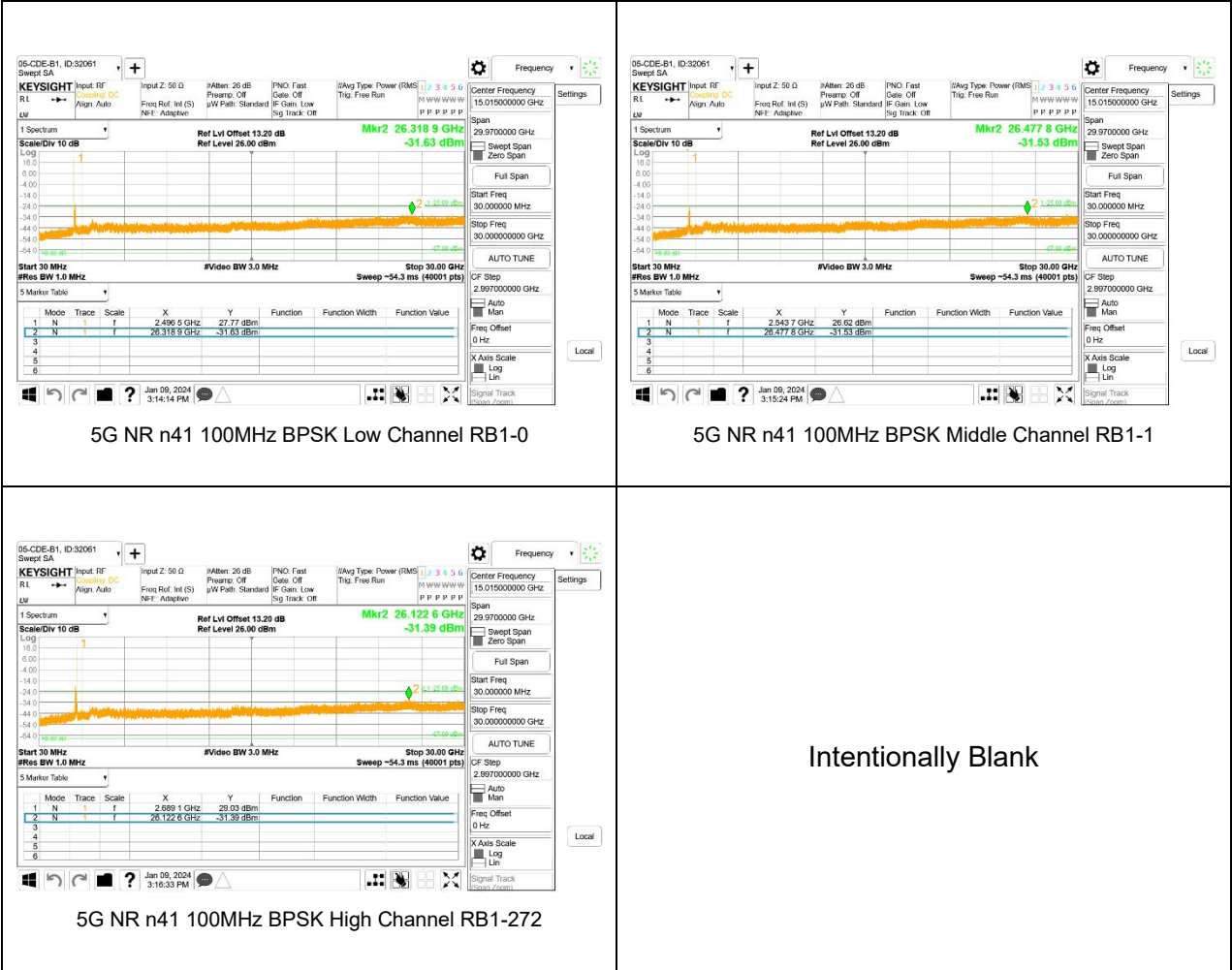
LIMITS

FCC: §27.53 (m)
The minimum permissible attenuation level of any spurious emissions is 55 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 41



5G NR n41

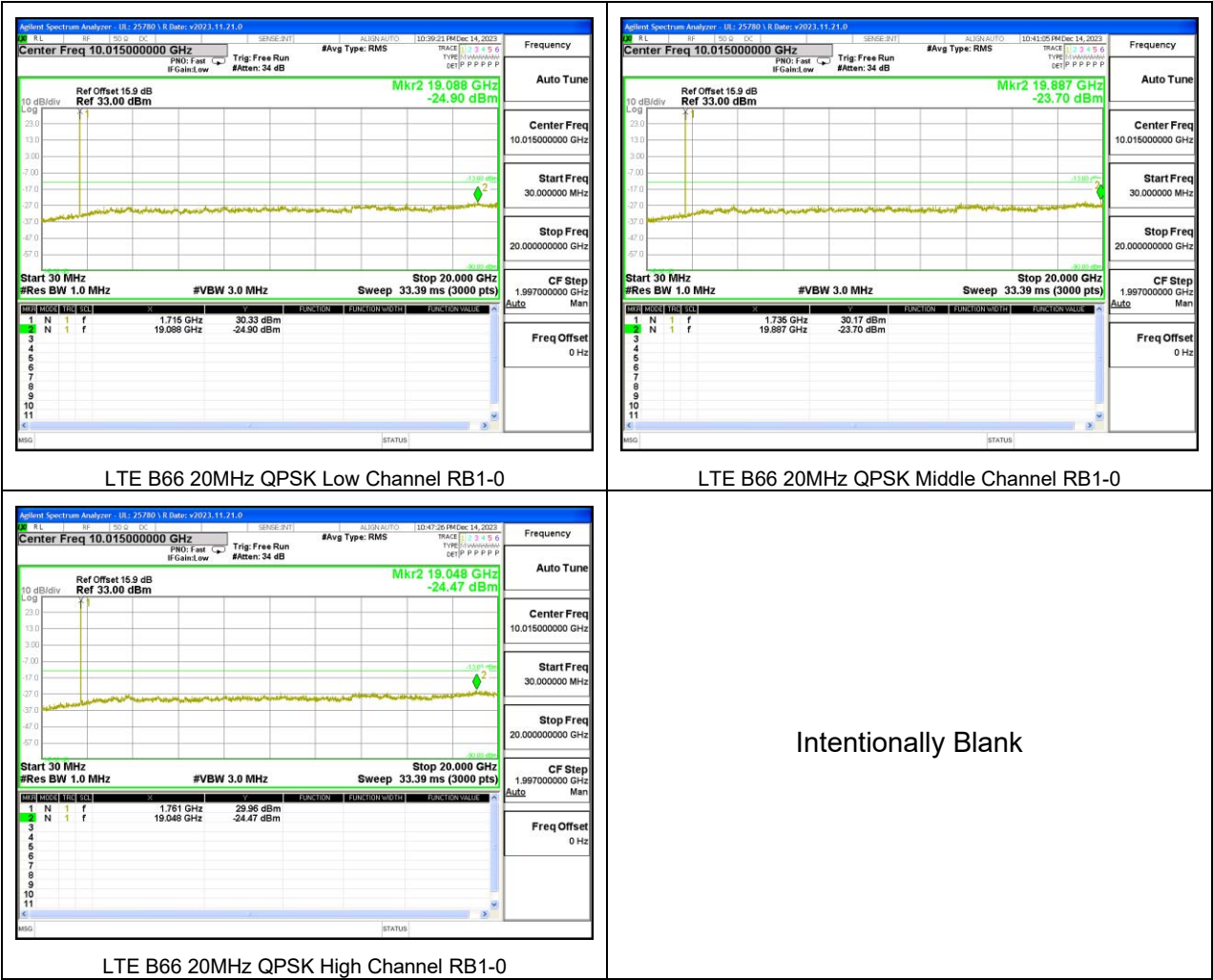


9.3.11. LTE BAND 66 AND 5G NR n66

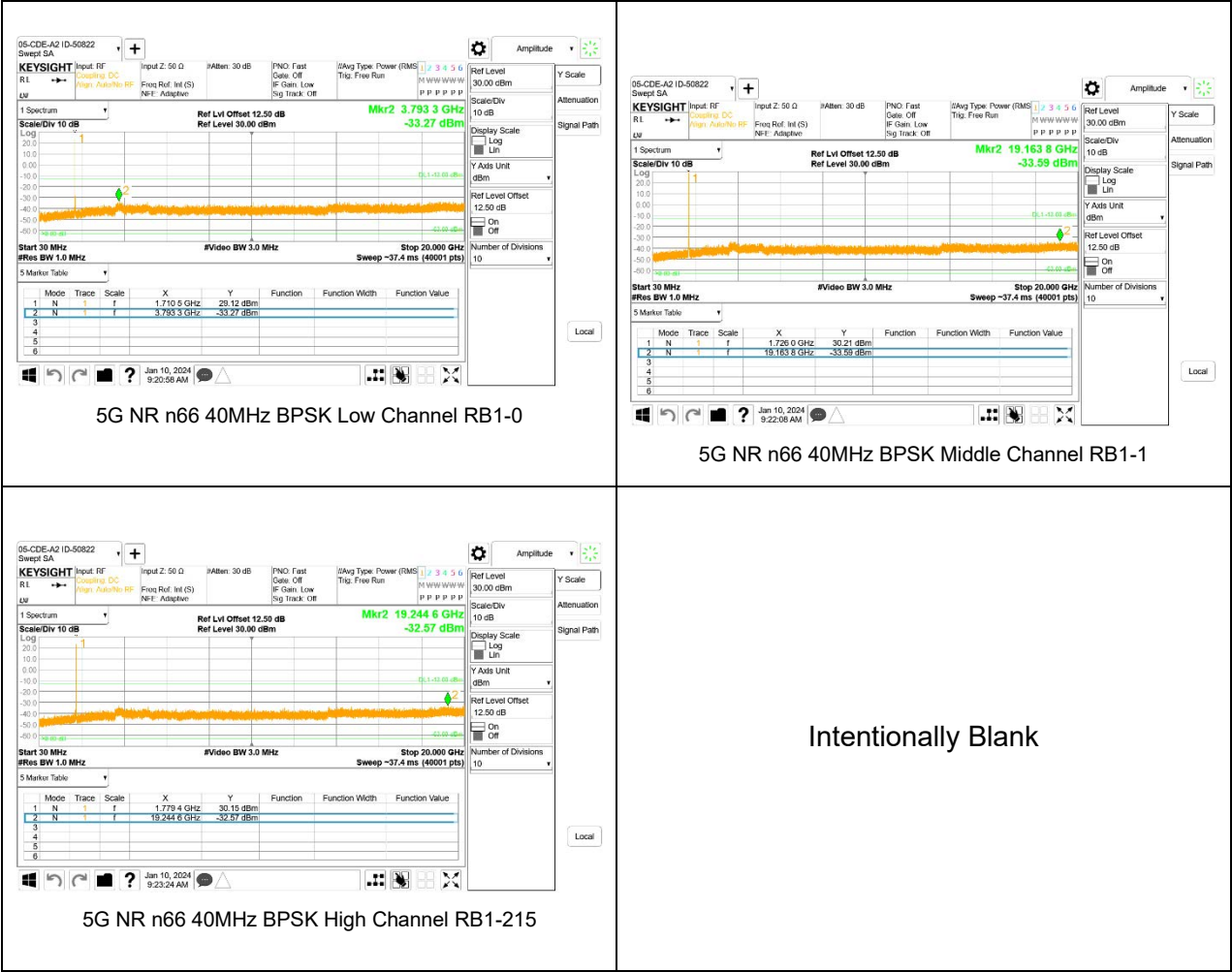
LIMITS

FCC: §27.53 (h)
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 66



5G NR n66

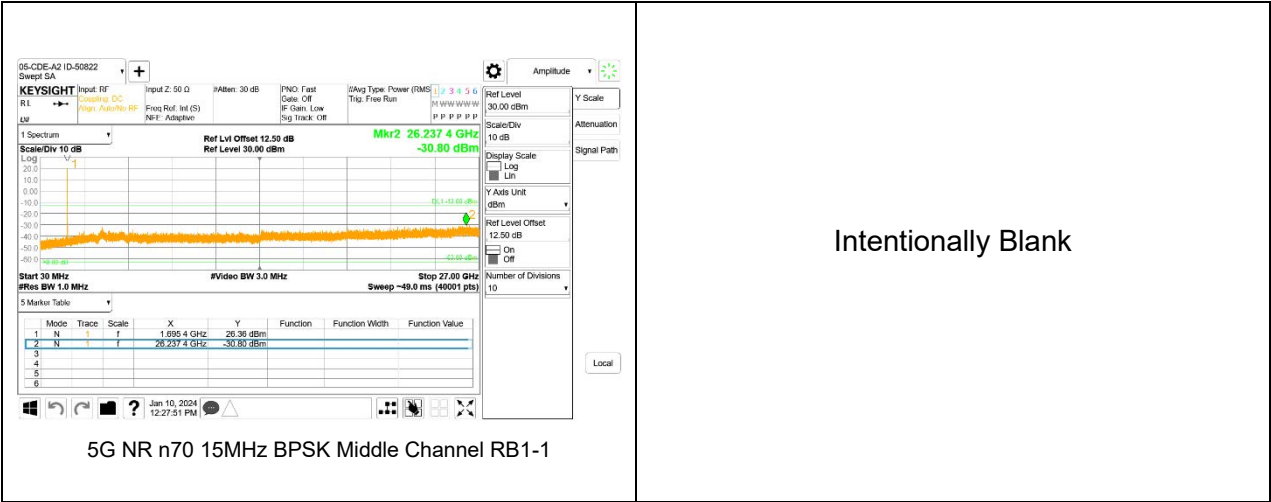


9.3.12. 5G NR n70

LIMITS

FCC: §27.53 (h)
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

5G NR n70

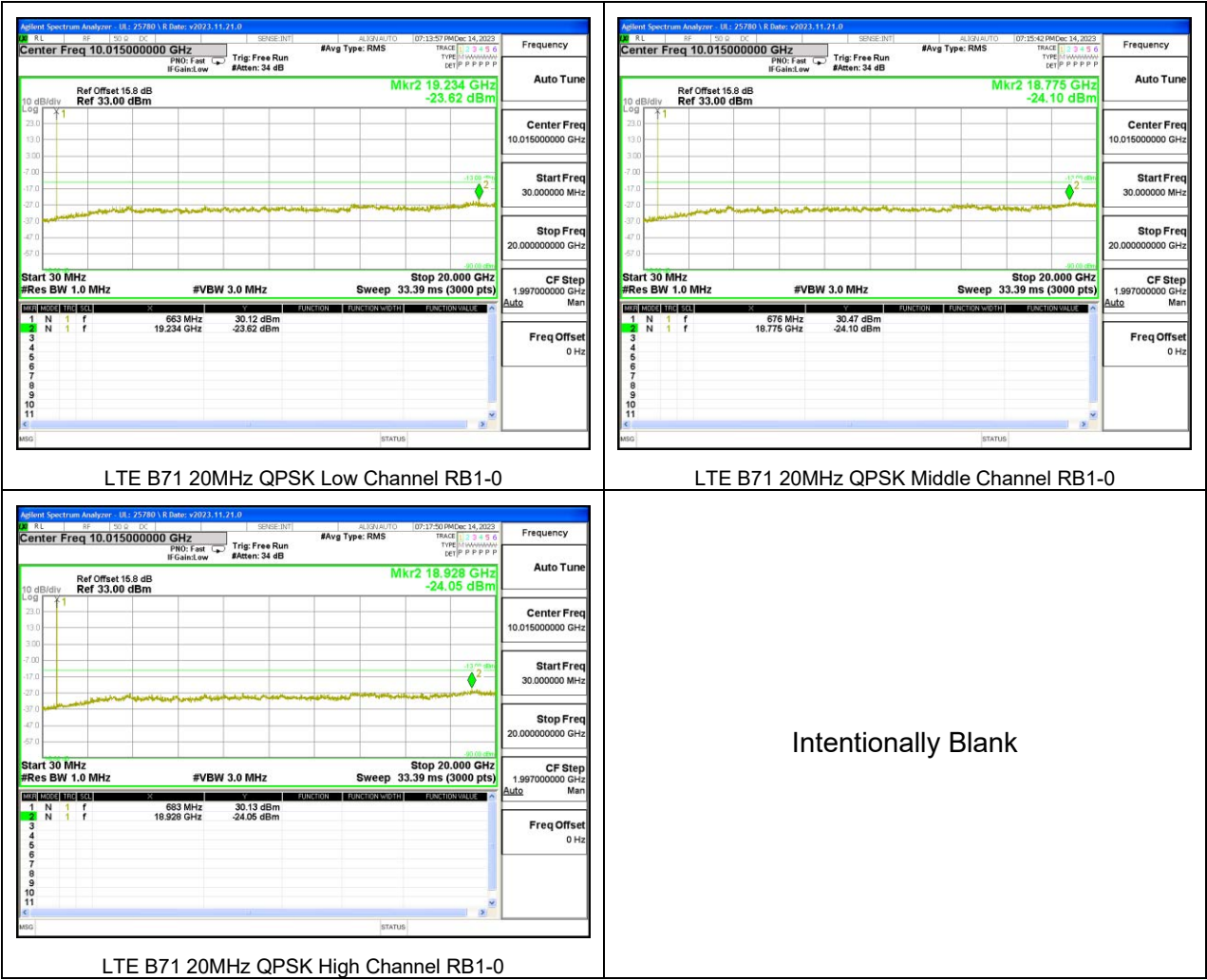


9.3.13. LTE BAND 71 AND 5G NR n71

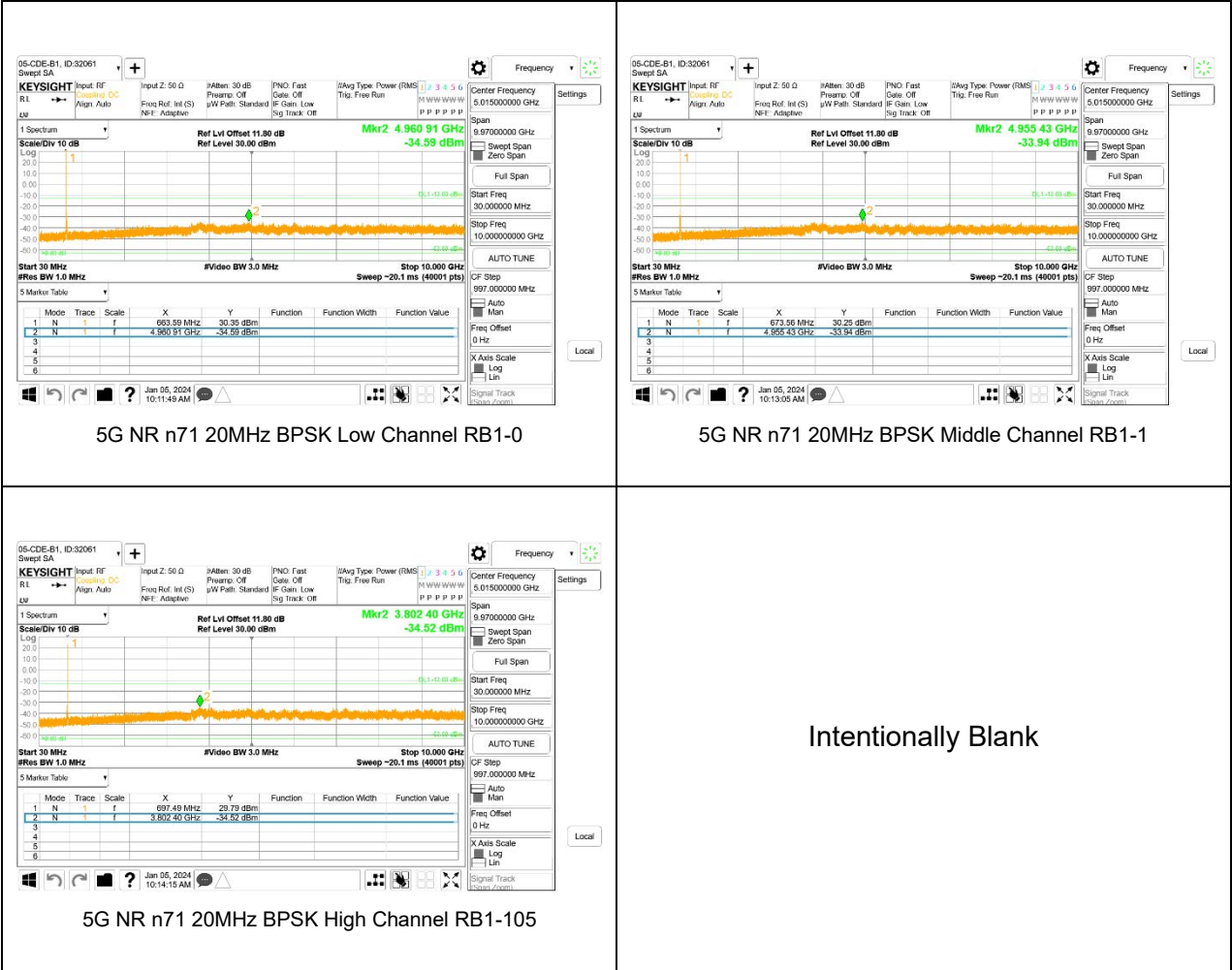
LIMITS

FCC: §27.53 (g)
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

LTE BAND 71



5G NR n71



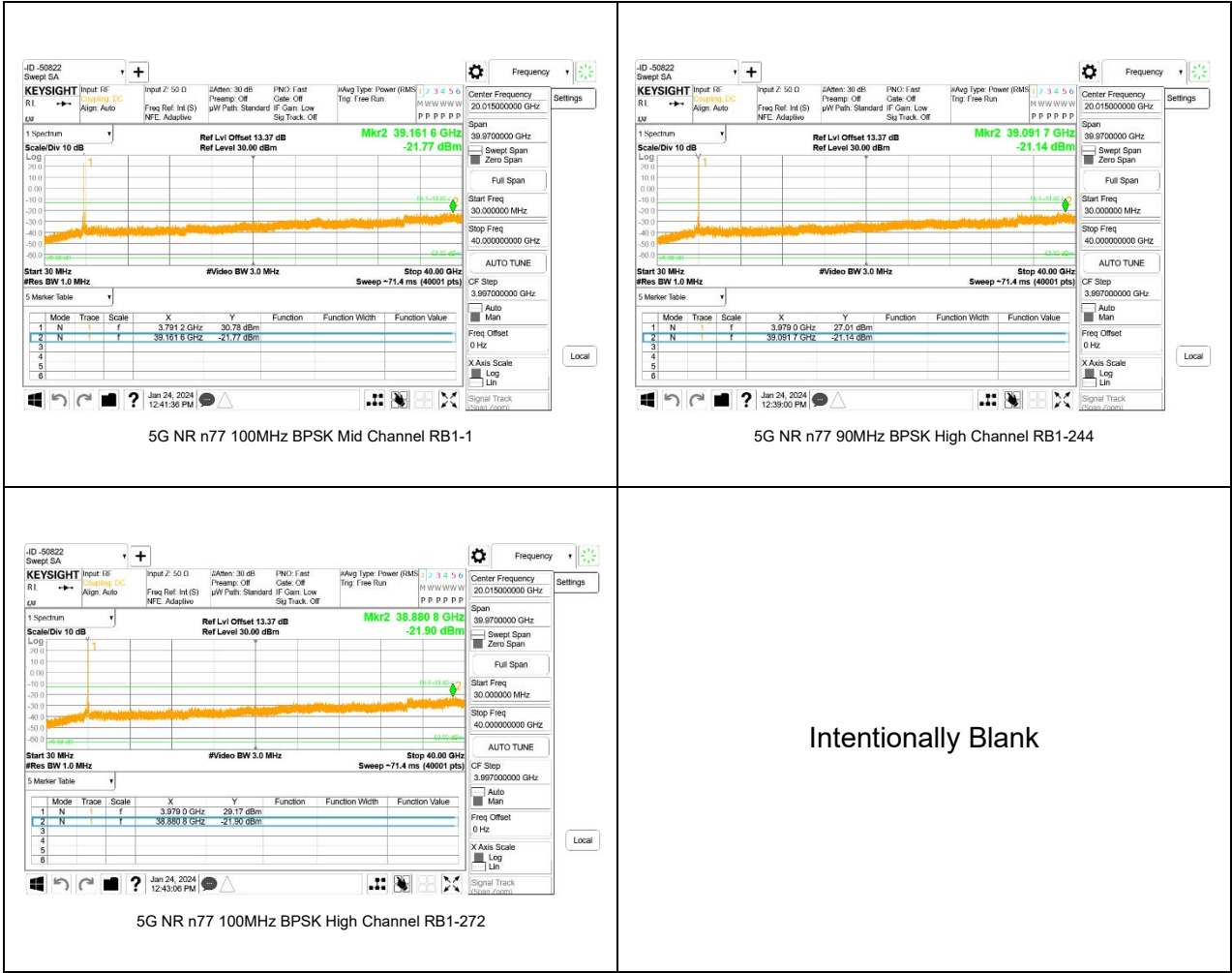
9.3.15. 5G NR n77 (FCC Part 27 3700-3980MHz)

LIMITS

FCC: §27.53

Emission limits

- (1) 3.7 GHz Service. The following emission limits apply to stations transmitting in the 3700-3980 MHz band:
- (2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed –13 dBm/MHz.



9.4. FREQUENCY STABILITY

TEST PROCEDURE

Use CMW 500 with Frequency Error measurement capability.

- Temp. = -30°C to $+50^{\circ}\text{C}$
- Voltage = (85% - 115%)

Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC.
End Voltage, 3.2VDC.

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+50^{\circ}\text{C}$ is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

RESULTS

See the following pages.

9.4.1. LTE BAND 7 AND 5G NR n7

LIMITS

FCC: §27.54
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Engineer ID:	12482	Test Date:	2024-01-18
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LTE BAND 7 QPSK (20MHz BANDWIDTH)

Band	7	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2500	2570			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	2501.0474	2568.9583			
Extreme (50°C)		2501.0475	2568.9583	4.7	0.002	Yes
Extreme (40°C)		2501.0474	2568.9583	-4.6	-0.002	Yes
Extreme (30°C)		2501.0474	2568.9583	1.5	0.001	Yes
Extreme (10°C)		2501.0474	2568.9583	-1.6	-0.001	Yes
Extreme (0°C)		2501.0474	2568.9583	-3.5	-0.001	Yes
Extreme (-10°C)		2501.0474	2568.9583	-1.0	0.000	Yes
Extreme (-20°C)		2501.0474	2568.9583	4.0	0.002	Yes
Extreme (-30°C)		2501.0474	2568.9583	-1.5	-0.001	Yes
20°C	15%	2501.0475	2568.9583	6.7	0.003	Yes
	-15%	2501.0474	2568.9583	-6.0	-0.002	Yes
	End Point Voltage	2501.0475	2568.9583	7.2	0.003	Yes

5G NR n7 BPSK (40MHz BANDWIDTH)

Band	7	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2500	2570			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	2500.6850	2569.3005			
Extreme (50°C)		2500.6850	2569.3005	10.1	0.004	Yes
Extreme (40°C)		2500.6850	2569.3005	5.9	0.002	Yes
Extreme (30°C)		2500.6850	2569.3005	-6.4	-0.003	Yes
Extreme (10°C)		2500.6850	2569.3005	-3.4	-0.001	Yes
Extreme (0°C)		2500.6850	2569.3005	-8.0	-0.003	Yes
Extreme (-10°C)		2500.6850	2569.3005	-5.9	-0.002	Yes
Extreme (-20°C)		2500.6850	2569.3005	-6.4	-0.003	Yes
Extreme (-30°C)		2500.6850	2569.3005	-7.9	-0.003	Yes
20°C	15%	2500.6850	2569.3005	-7.2	-0.003	Yes
	-15%	2500.6850	2569.3005	-8.1	-0.003	Yes
	End Point Voltage	2500.6850	2569.3005	-6.1	-0.002	Yes

9.4.2. LTE BAND 12 AND 5G NR n12

LIMITS

FCC: §27.54
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Engineer ID:	12482	Test Date:	2023-01-18
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LTE BAND 12 QPSK (10MHz BANDWIDTH)

Band	12	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		699	716			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	699.5295	715.4737			
Extreme (50°C)		699.5295	715.4737	-2.7	-0.004	Yes
Extreme (40°C)		699.5295	715.4737	-2.0	-0.003	Yes
Extreme (30°C)		699.5295	715.4737	2.5	0.004	Yes
Extreme (10°C)		699.5295	715.4737	-1.1	-0.002	Yes
Extreme (0°C)		699.5295	715.4737	3.4	0.005	Yes
Extreme (-10°C)		699.5295	715.4737	2.1	0.003	Yes
Extreme (-20°C)		699.5295	715.4737	1.1	0.002	Yes
Extreme (-30°C)		699.5295	715.4737	-2.7	-0.004	Yes
20°C	15%	699.5295	715.4737	3.9	0.005	Yes
	-15%	699.5295	715.4737	3.6	0.005	Yes
	End Point Voltage	699.5295	715.4737	-3.3	-0.005	Yes

5G NR n12 BPSK (15MHz BANDWIDTH)

Band	12	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		699	716		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	699.4298	714.8448			
Extreme (50°C)		699.4298	714.8447	-4.8	-0.007	Yes
Extreme (40°C)		699.4298	714.8447	-4.6	-0.007	Yes
Extreme (30°C)		699.4298	714.8447	-4.9	-0.007	Yes
Extreme (10°C)		699.4298	714.8447	-5.7	-0.008	Yes
Extreme (0°C)		699.4298	714.8447	-5.6	-0.008	Yes
Extreme (-10°C)		699.4298	714.8447	-5.4	-0.008	Yes
Extreme (-20°C)		699.4298	714.8448	7.4	0.010	Yes
Extreme (-30°C)		699.4298	714.8447	-4.1	-0.006	Yes
20°C	15%	699.4298	714.8447	-4.7	-0.007	Yes
	-15%	699.4298	714.8448	3.8	0.005	Yes
	End Point Voltage	699.4298	714.8447	-3.1	-0.004	Yes

9.4.3. LTE BAND 13

LIMITS

FCC: §27.54
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Engineer ID:	12482	Test Date:	2024-01-23
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QPSK (10MHz BANDWIDTH)

Band	13	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		777	787			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	777.5315	786.4831			
Extreme (50°C)		777.5315	786.4831	4.1	0.005	Yes
Extreme (40°C)		777.5315	786.4831	3.7	0.005	Yes
Extreme (30°C)		777.5315	786.4831	3.9	0.005	Yes
Extreme (10°C)		777.5315	786.4831	-2.8	-0.004	Yes
Extreme (0°C)		777.5315	786.4831	3.3	0.004	Yes
Extreme (-10°C)		777.5315	786.4831	4.5	0.006	Yes
Extreme (-20°C)		777.5315	786.4831	3.4	0.004	Yes
Extreme (-30°C)		777.5315	786.4831	4.8	0.006	Yes
20°C	15%	777.5315	786.4831	4.2	0.005	Yes
	-15%	777.5315	786.4831	4.2	0.005	Yes
	End Point Voltage	777.5315	786.4831	4.4	0.006	Yes

9.4.4. LTE BAND 14 AND 5G NR n14

LIMITS

FCC: §90.539
(e) The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 ppm or better when AFC is locked to a base station, and 5 ppm or better when AFC is not locked.

Test Engineer ID:	12482	Test Date:	2024-01-19
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LTE BAND 14 QPSK (10MHz BANDWIDTH)

Band	14	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		788	798			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	788.5224	797.4698			
Extreme (50°C)		788.5224	797.4698	-0.2	0.000	Yes
Extreme (40°C)		788.5224	797.4698	5.9	0.007	Yes
Extreme (30°C)		788.5224	797.4698	7.4	0.009	Yes
Extreme (10°C)		788.5224	797.4698	8.1	0.010	Yes
Extreme (0°C)		788.5224	797.4698	-1.2	-0.002	Yes
Extreme (-10°C)		788.5224	797.4698	4.0	0.005	Yes
Extreme (-20°C)		788.5224	797.4698	0.9	0.001	Yes
Extreme (-30°C)		788.5224	797.4698	8.5	0.011	Yes
20°C	15%	788.5224	797.4698	4.1	0.005	Yes
	-15%	788.5224	797.4698	-3.1	-0.004	Yes
	End Point Voltage	788.5224	797.4698	-3.5	-0.004	Yes

5G NR n14 BPSK (10MHz BANDWIDTH)

Band	14	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		788	798			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	788.3520	797.2837			
Extreme (50°C)		788.3520	797.2837	-7.2	-0.009	Yes
Extreme (40°C)		788.3520	797.2837	4.4	0.006	Yes
Extreme (30°C)		788.3520	797.2837	-3.3	-0.004	Yes
Extreme (10°C)		788.3520	797.2837	-4.6	-0.006	Yes
Extreme (0°C)		788.3520	797.2837	4.7	0.006	Yes
Extreme (-10°C)		788.3520	797.2837	3.4	0.004	Yes
Extreme (-20°C)		788.3520	797.2837	-7.0	-0.009	Yes
Extreme (-30°C)		788.3520	797.2837	-3.4	-0.004	Yes
20°C	15%	788.3520	797.2837	2.5	0.003	Yes
	-15%	788.3520	797.2837	-2.9	-0.004	Yes
	End Point Voltage	788.3520	797.2837	-3.1	-0.004	Yes

9.4.5. LTE BAND 17

LIMITS

FCC: §27.54
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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QPSK (10MHz BANDWIDTH)

Band	17	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		704	716			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	704.5207	715.4818			
Extreme (50°C)		704.5207	715.4818	-4.0	-0.006	Yes
Extreme (40°C)		704.5207	715.4818	-3.1	-0.004	Yes
Extreme (30°C)		704.5207	715.4818	-2.4	-0.003	Yes
Extreme (10°C)		704.5207	715.4818	-3.0	-0.004	Yes
Extreme (0°C)		704.5207	715.4818	3.2	0.004	Yes
Extreme (-10°C)		704.5207	715.4818	2.6	0.004	Yes
Extreme (-20°C)		704.5207	715.4818	2.1	0.003	Yes
Extreme (-30°C)		704.5207	715.4818	-3.1	-0.004	Yes
20°C	15%	704.5207	715.4818	3.1	0.004	Yes
	-15%	704.5207	715.4818	-3.2	-0.004	Yes
	End Point Voltage	704.5207	715.4818	3.1	0.004	Yes

9.4.6. LTE BAND 25 AND 5G NR n25

LIMITS

FCC: §24.235
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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LTE BAND 25 QPSK (20MHz BANDWIDTH)

Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1851.0528	1913.9393			
Extreme (50°C)		1851.0528	1913.9393	-5.7	-0.003	Yes
Extreme (40°C)		1851.0528	1913.9393	-5.6	-0.003	Yes
Extreme (30°C)		1851.0528	1913.9393	-6.0	-0.003	Yes
Extreme (10°C)		1851.0528	1913.9393	-5.0	-0.003	Yes
Extreme (0°C)		1851.0528	1913.9394	4.8	0.003	Yes
Extreme (-10°C)		1851.0528	1913.9393	-4.7	-0.002	Yes
Extreme (-20°C)		1851.0528	1913.9393	-4.6	-0.002	Yes
Extreme (-30°C)		1851.0528	1913.9393	-5.9	-0.003	Yes
20°C	15%	1851.0528	1913.9393	-4.9	-0.003	Yes
	-15%	1851.0528	1913.9393	-5.2	-0.003	Yes
	End Point Voltage	1851.0528	1913.9393	-6.7	-0.004	Yes

5G NR n25 BPSK (40MHz BANDWIDTH)

Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1850.6951	1914.2724			
Extreme (50°C)		1850.6951	1914.2724	4.2	0.002	Yes
Extreme (40°C)		1850.6951	1914.2724	-3.9	-0.002	Yes
Extreme (30°C)		1850.6951	1914.2724	-4.2	-0.002	Yes
Extreme (10°C)		1850.6951	1914.2724	-8.7	-0.005	Yes
Extreme (0°C)		1850.6951	1914.2724	4.6	0.002	Yes
Extreme (-10°C)		1850.6951	1914.2724	-2.6	-0.001	Yes
Extreme (-20°C)		1850.6951	1914.2724	-5.9	-0.003	Yes
Extreme (-30°C)		1850.6951	1914.2724	-4.9	-0.003	Yes
20°C	15%	1850.6951	1914.2724	4.9	0.003	Yes
	-15%	1850.6951	1914.2724	-6.1	-0.003	Yes
	End Point Voltage	1850.6951	1914.2724	-4.1	-0.002	Yes

9.4.7. LTE BAND 26 AND 5G NR n26 (FCC PART 90S)

LIMITS

FCC: §90.213
The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.

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LTE BAND 26 QPSK (10MHz BANDWIDTH)

Band	26	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		814	824		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	814.5240	823.4740			
Extreme (50°C)		814.5240	823.4740	6.3	0.008	Yes
Extreme (40°C)		814.5240	823.4740	6.7	0.008	Yes
Extreme (30°C)		814.5240	823.4740	7.1	0.009	Yes
Extreme (10°C)		814.5240	823.4740	8.4	0.010	Yes
Extreme (0°C)		814.5240	823.4740	9.8	0.012	Yes
Extreme (-10°C)		814.5240	823.4740	9.2	0.011	Yes
Extreme (-20°C)		814.5240	823.4740	8.5	0.010	Yes
Extreme (-30°C)		814.5240	823.4740	8.6	0.011	Yes
20°C	15%	814.5240	823.4740	4.4	0.005	Yes
	-15%	814.5240	823.4740	-3.2	-0.004	Yes
	End Point Voltage	814.5240	823.4740	3.3	0.004	Yes

5G NR n26 BPSK (10MHz BANDWIDTH)

Band	26	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		814	824		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	814.3332	823.2786			
Extreme (50°C)		814.3332	823.2786	5.4	0.007	Yes
Extreme (40°C)		814.3332	823.2786	-5.1	-0.006	Yes
Extreme (30°C)		814.3332	823.2786	8.6	0.011	Yes
Extreme (10°C)		814.3332	823.2786	-6.3	-0.008	Yes
Extreme (0°C)		814.3332	823.2786	-6.1	-0.007	Yes
Extreme (-10°C)		814.3332	823.2786	-8.8	-0.011	Yes
Extreme (-20°C)		814.3332	823.2786	-7.2	-0.009	Yes
Extreme (-30°C)		814.3332	823.2786	-8.1	-0.010	Yes
20°C	15%	814.3332	823.2786	2.7	0.003	Yes
	-15%	814.3332	823.2786	-6.7	-0.008	Yes
	End Point Voltage	814.3332	823.2786	-5.1	-0.006	Yes

9.4.8. LTE BAND 26 AND 5G NR n26(FCC PART 22)

LIMITS

FCC: §22.355
The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.

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LTE BAND 26 QPSK (10MHz BANDWIDTH)

Band	26	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	824.7939	848.2025			
Extreme (50°C)		824.7939	848.2025	7.2	0.009	Yes
Extreme (40°C)		824.7939	848.2025	6.3	0.008	Yes
Extreme (30°C)		824.7939	848.2025	6.5	0.008	Yes
Extreme (10°C)		824.7939	848.2025	7.9	0.009	Yes
Extreme (0°C)		824.7939	848.2025	9.7	0.012	Yes
Extreme (-10°C)		824.7939	848.2025	3.0	0.004	Yes
Extreme (-20°C)		824.7939	848.2025	4.0	0.005	Yes
Extreme (-30°C)		824.7939	848.2025	5.6	0.007	Yes
20°C	15%	824.7939	848.2025	-3.8	-0.005	Yes
	-15%	824.7939	848.2025	2.7	0.003	Yes
	End Point Voltage	824.7939	848.2025	3.6	0.004	Yes