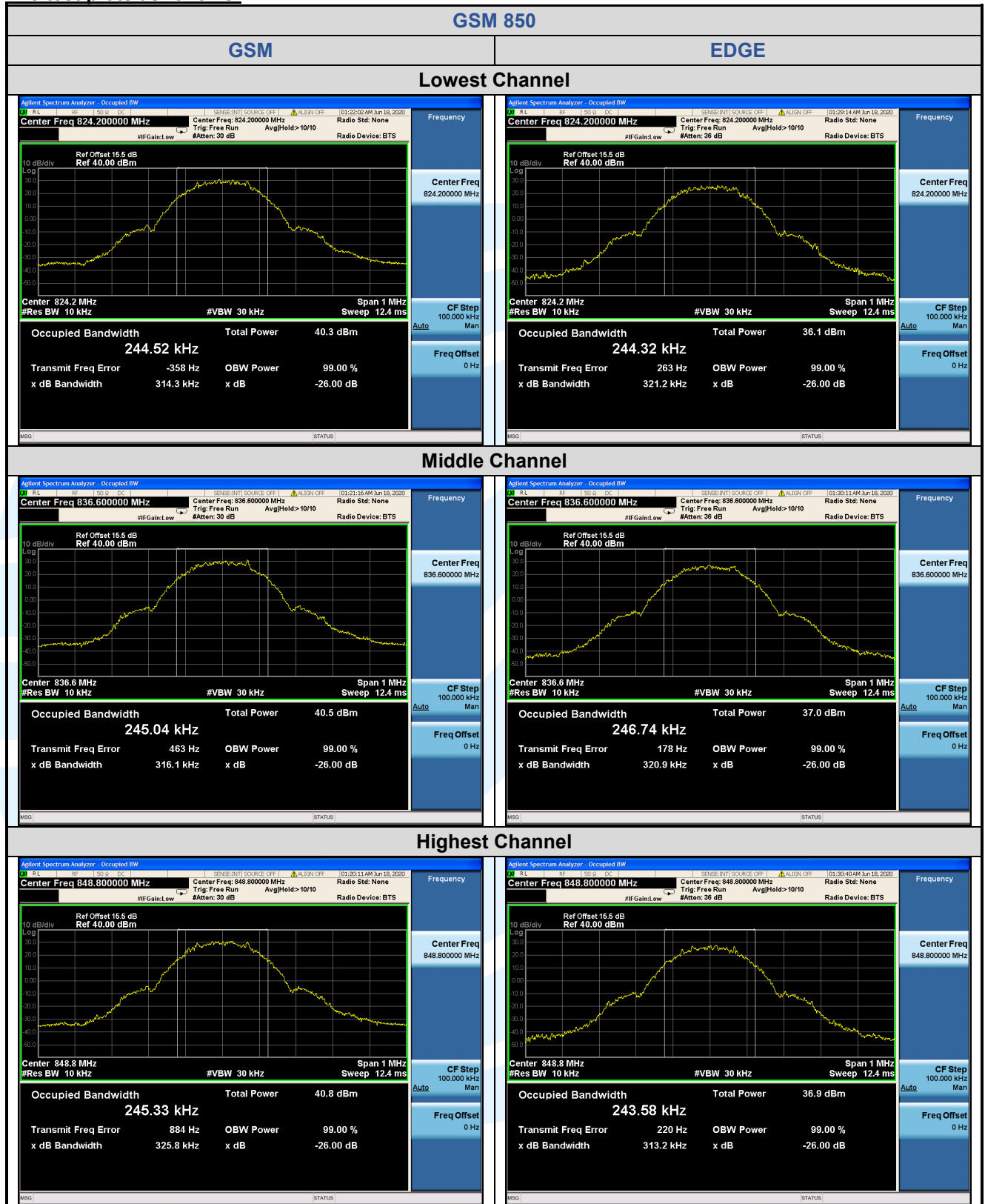


The test plots as follows:



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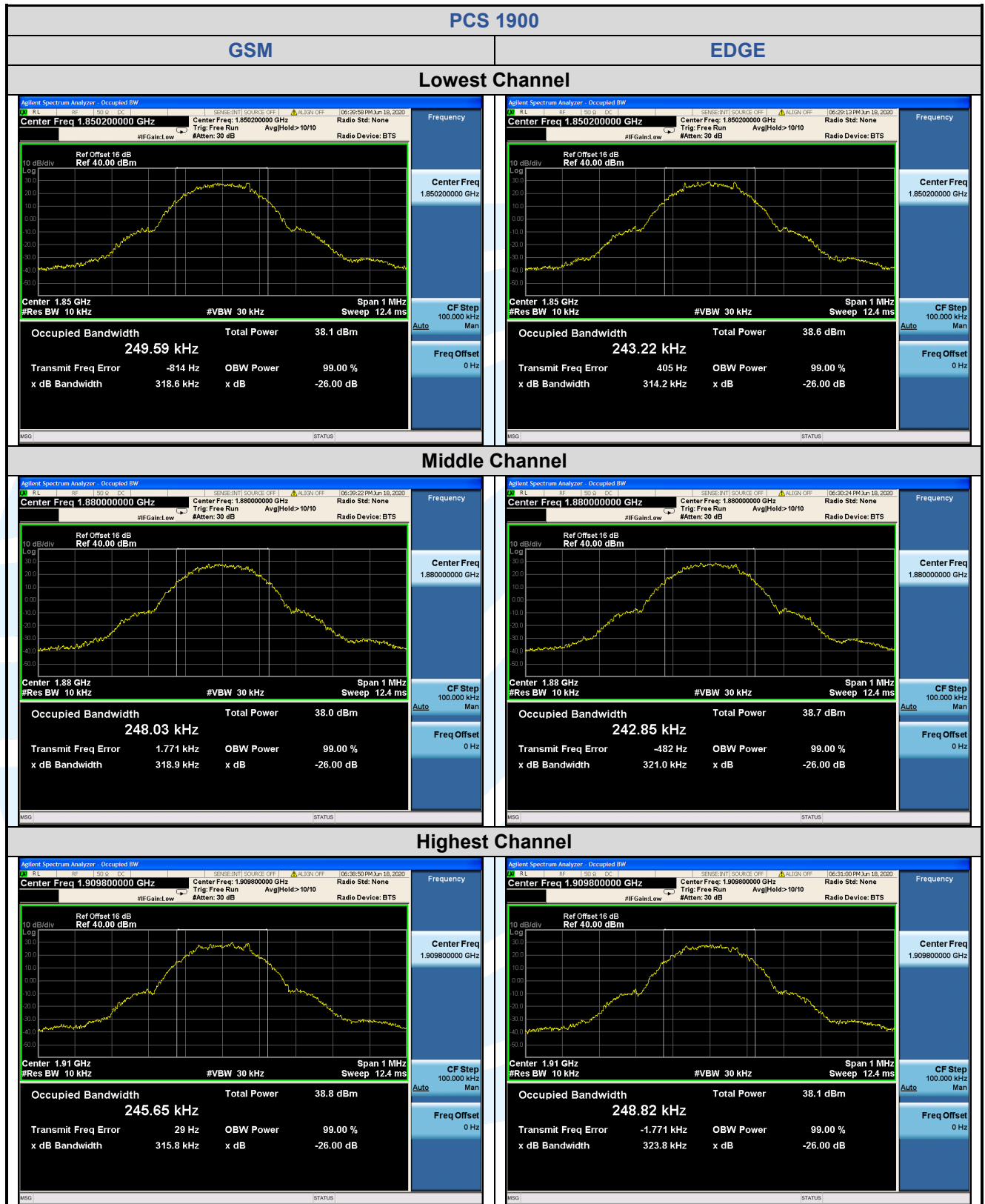
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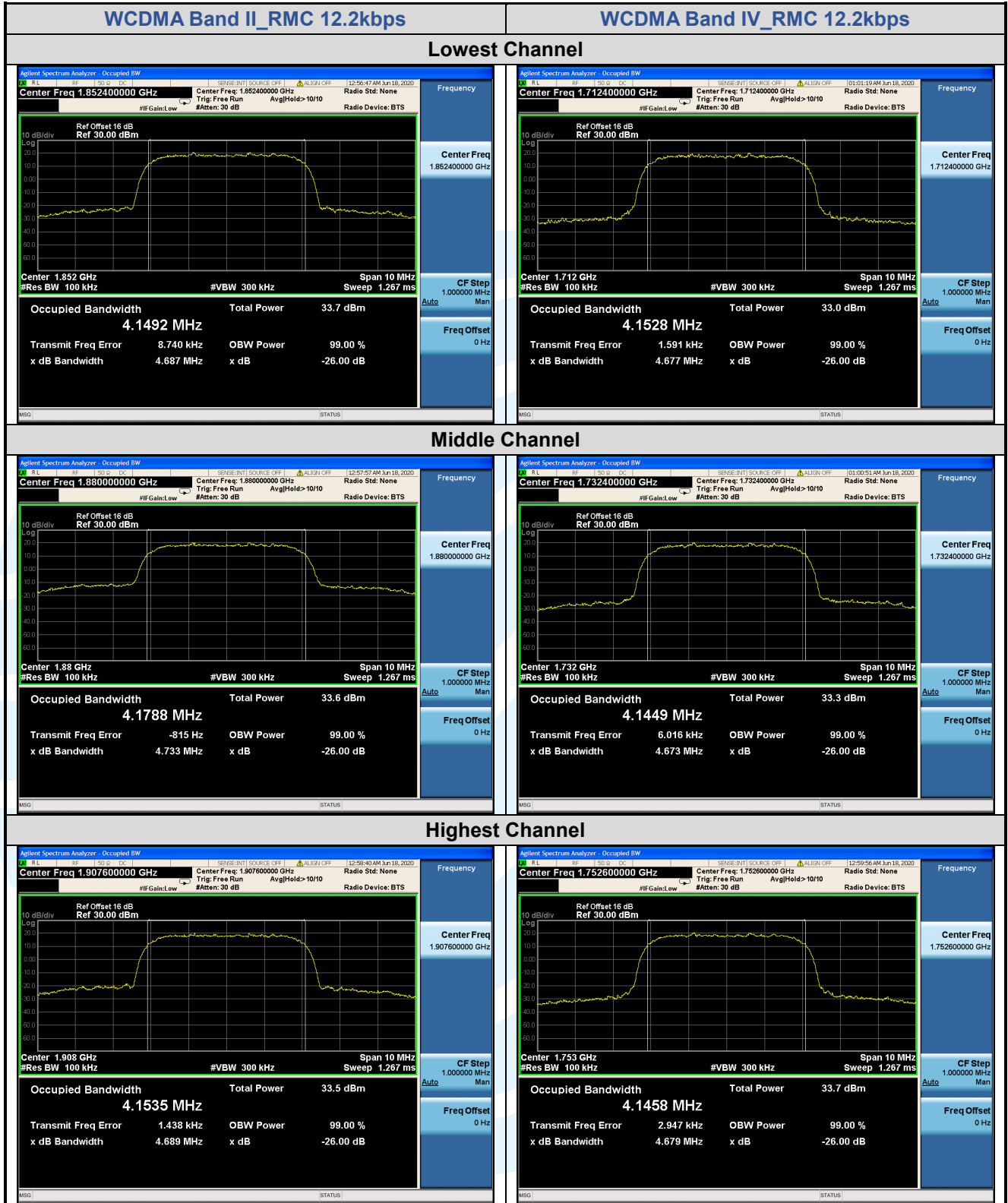
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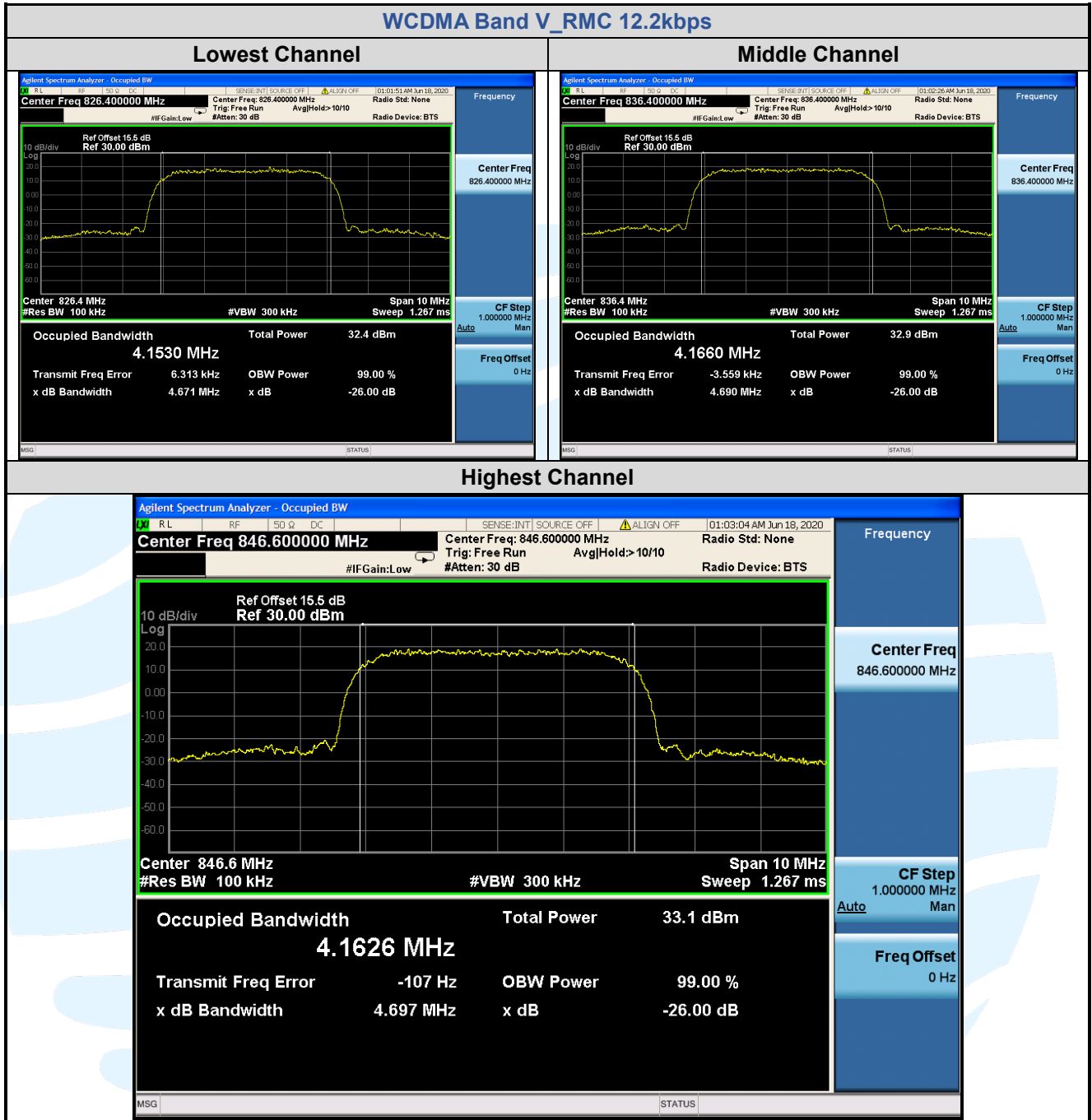
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## 5.6 BAND EDGE AT ANTENNA TERMINALS

**Test Requirement:** FCC 47 CFR Part 2.1051,  
 FCC 47 CFR Part 22.917(a),  
 FCC 47 CFR Part 24.238(a),  
 FCC 47 CFR Part 27.53(h)(1)

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

**Limit:**  
 The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13 dBm.

**Test Procedure:**  
 The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer.

For each band edge measurement:

- 1) Set the spectrum analyzer span to include the block edge frequency.
- 2) Set a marker to point the corresponding band edge frequency in each test case.
- 3) Set display line at -13 dBm
- 4) Set resolution bandwidth to at least 1% of emission bandwidth.
- 5) Set spectrum analyzer with RMS detector.
- 6) Record the max trace plot into the test report

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

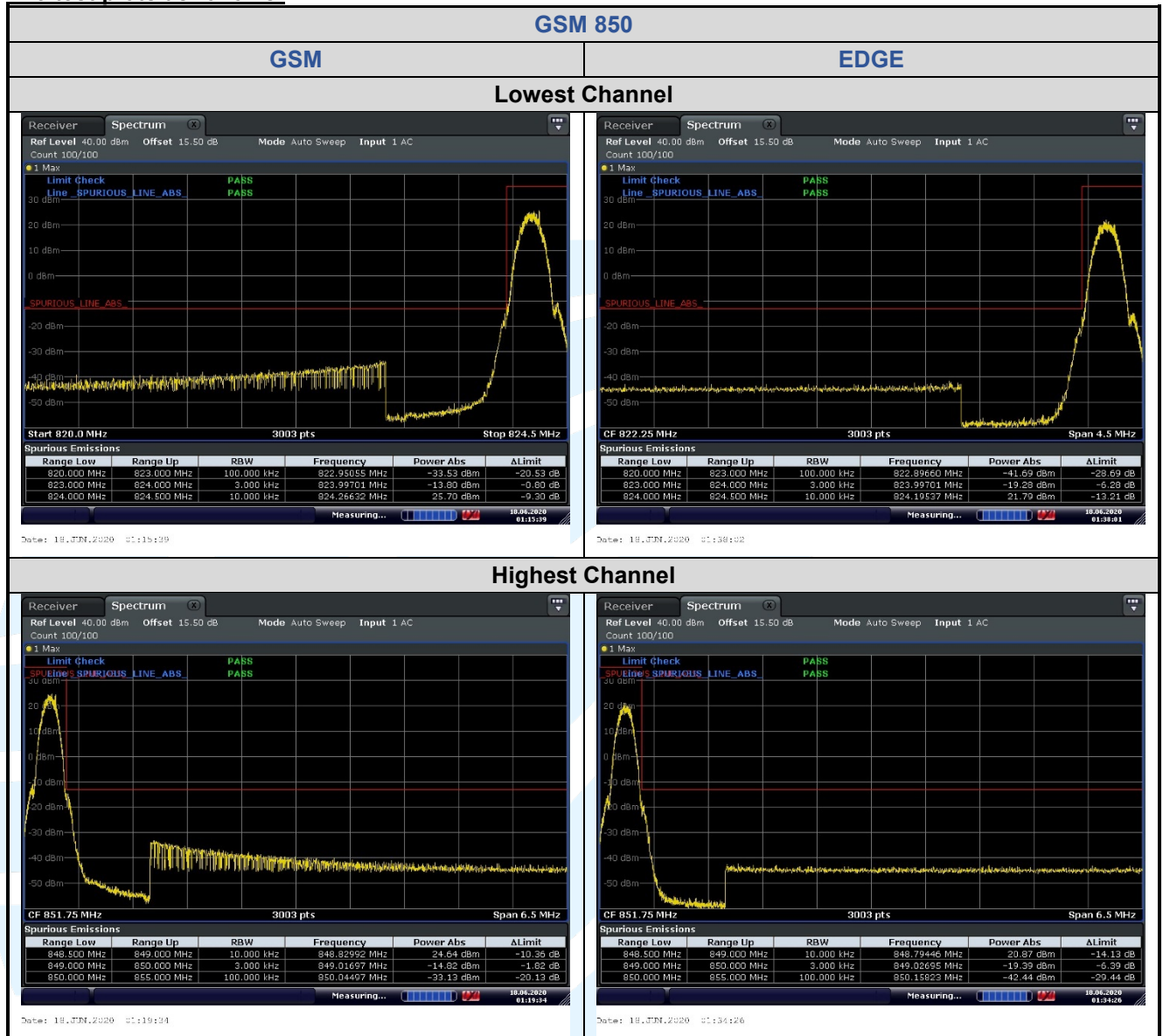
**Test Setup:** Refer to section 4.2.2 for details.

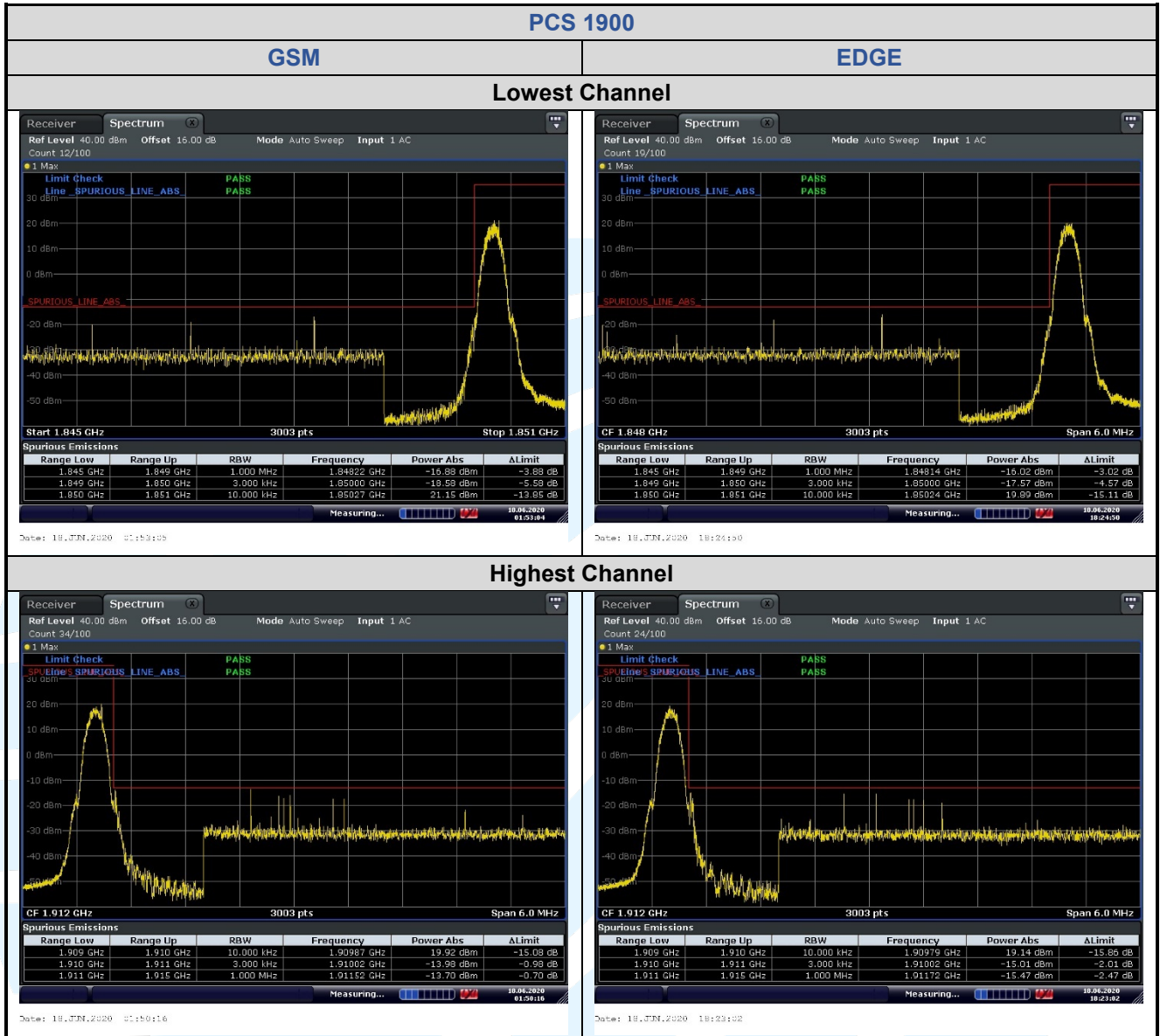
**Instruments Used:** Refer to section 3 for details

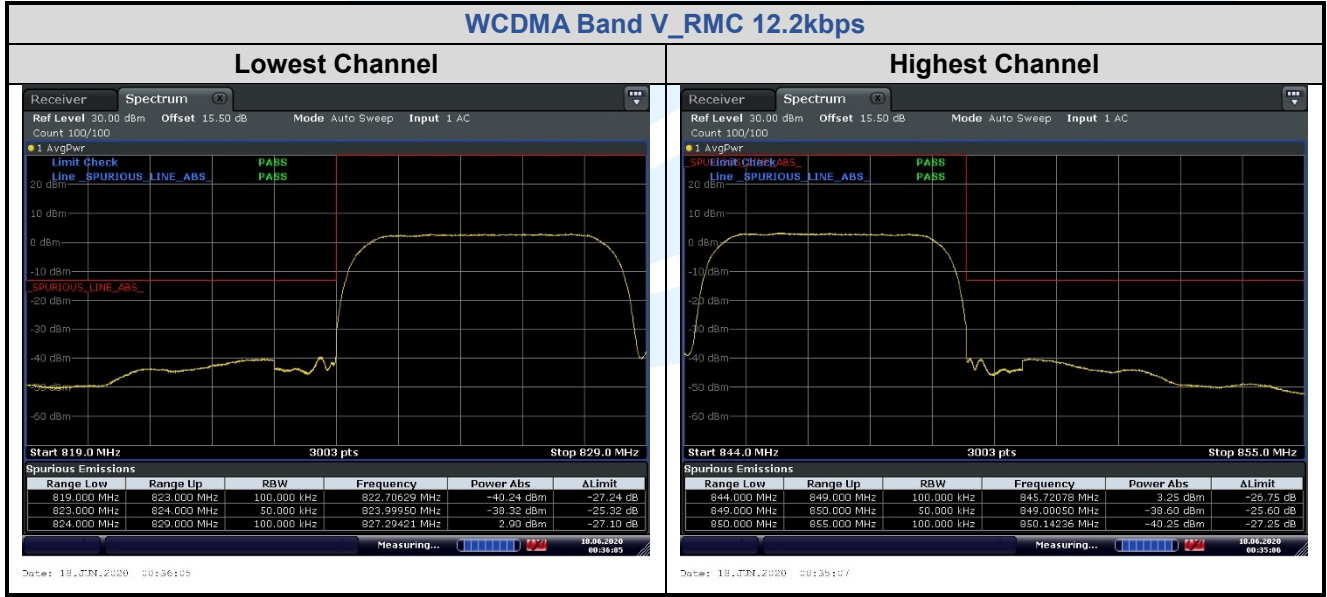
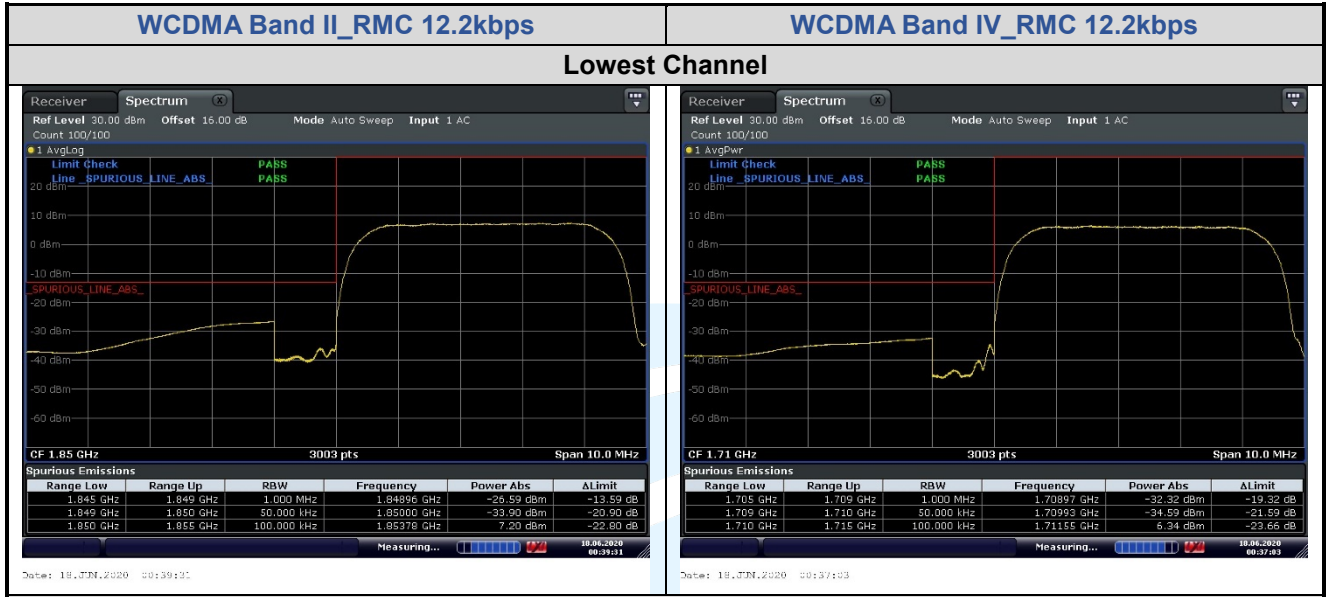
**Test Mode:** Link mode

**Test Results:** Pass

The test plots as follows:









### 5.7 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

**Test Requirement:** FCC 47 CFR Part 2.1051,  
 FCC 47 CFR Part 22.917(a)(b),  
 FCC 47 CFR Part 24.238(a)(b),  
 FCC 47 CFR Part 27.53(h)(1)

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

**Limit:**  
 The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13 dBm.

**Test Procedure:**  
 The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range. b. Measuring frequency range is from 30 MHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

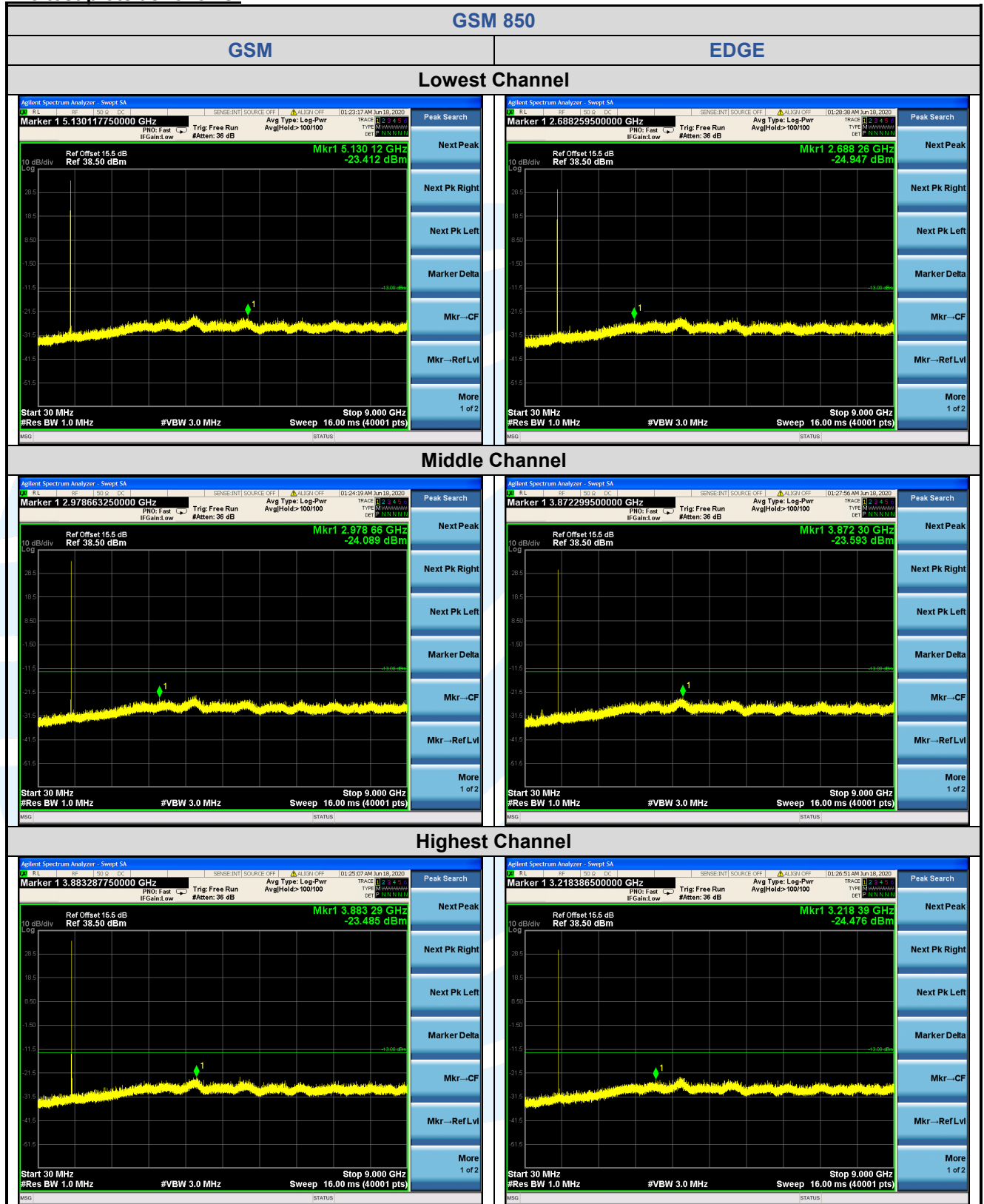
**Test Setup:** Refer to section 4.2.2 for details.

**Instruments Used:** Refer to section 3 for details

**Test Mode:** Link mode

**Test Results:** Pass

The test plots as follows:



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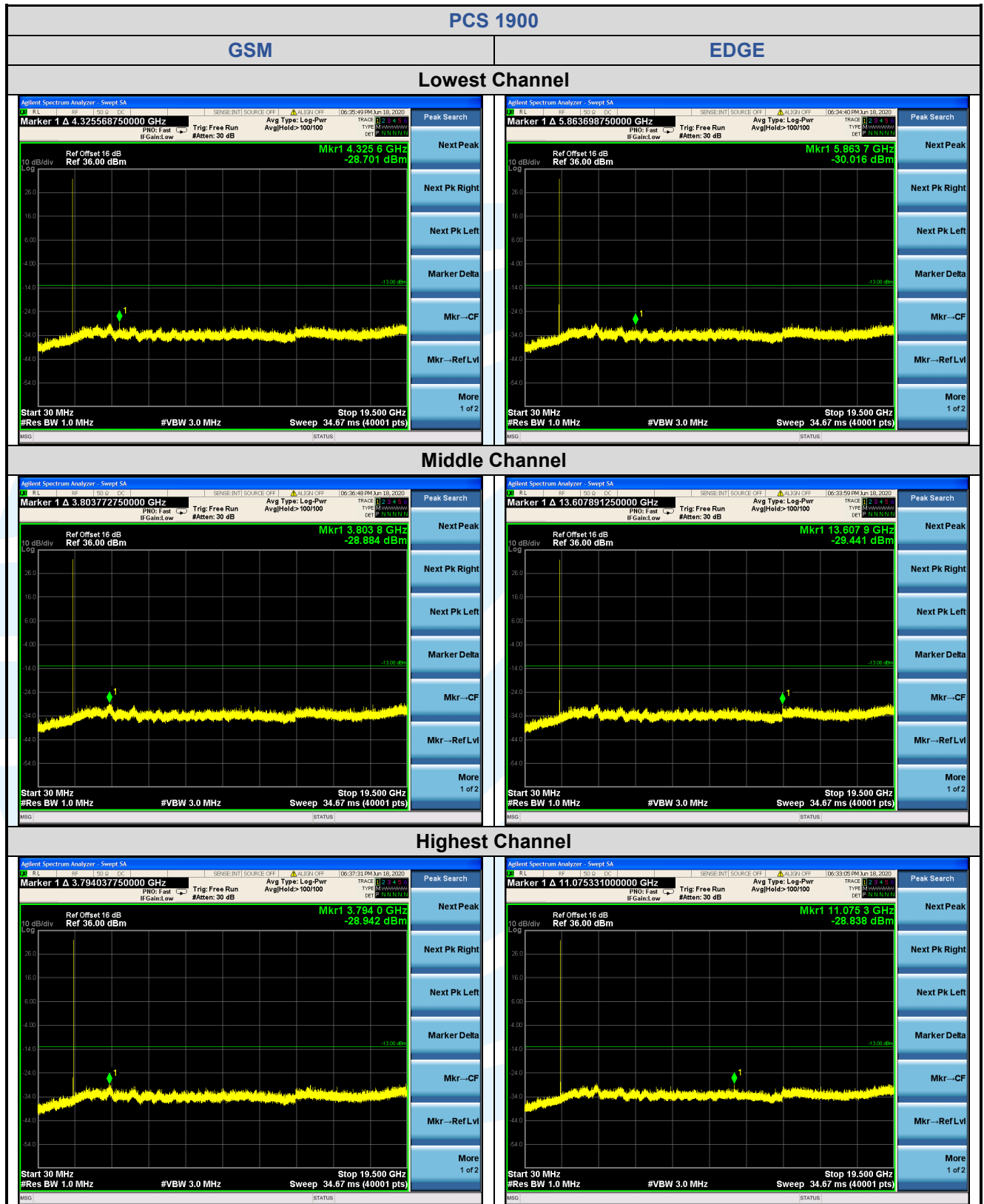
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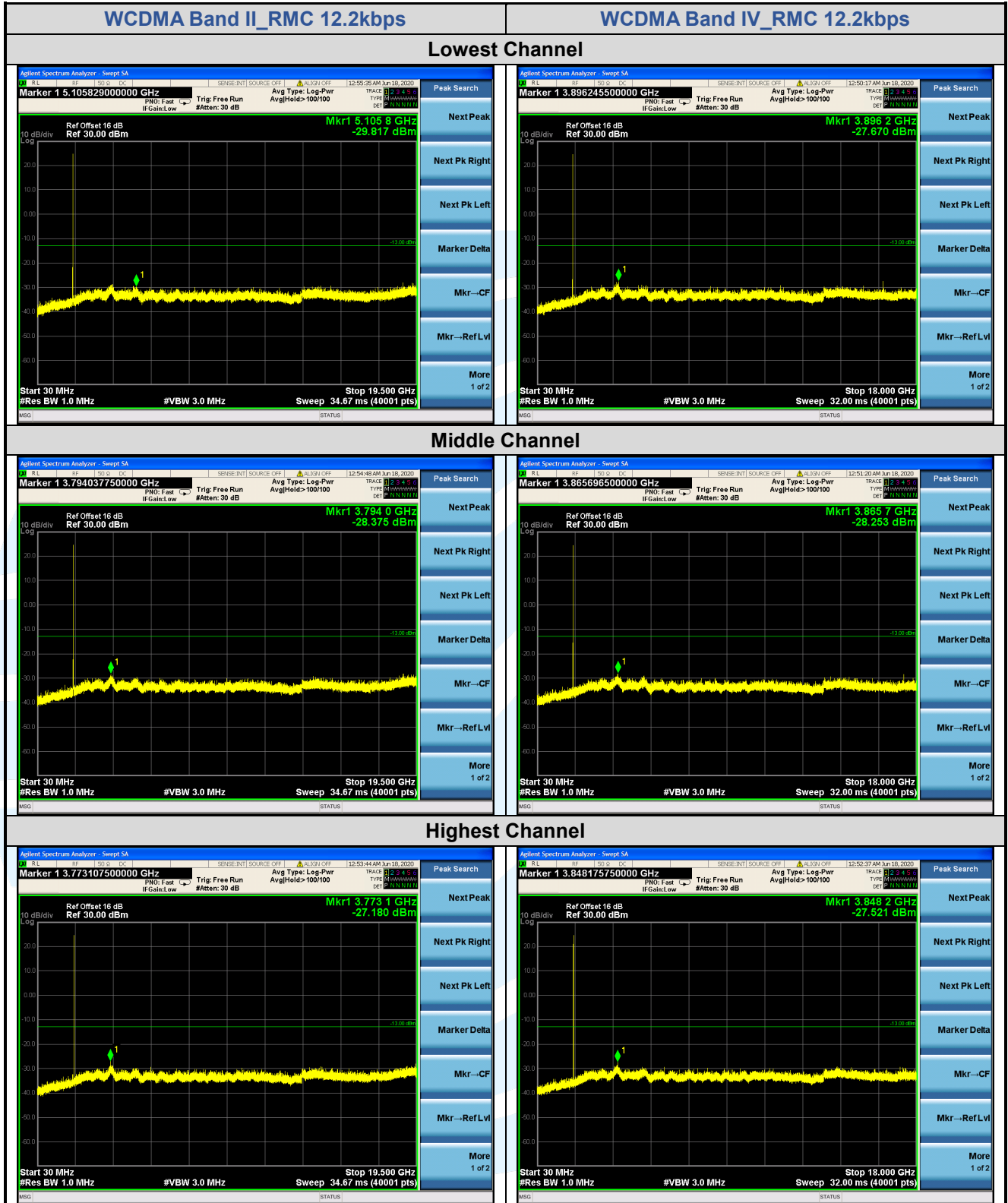
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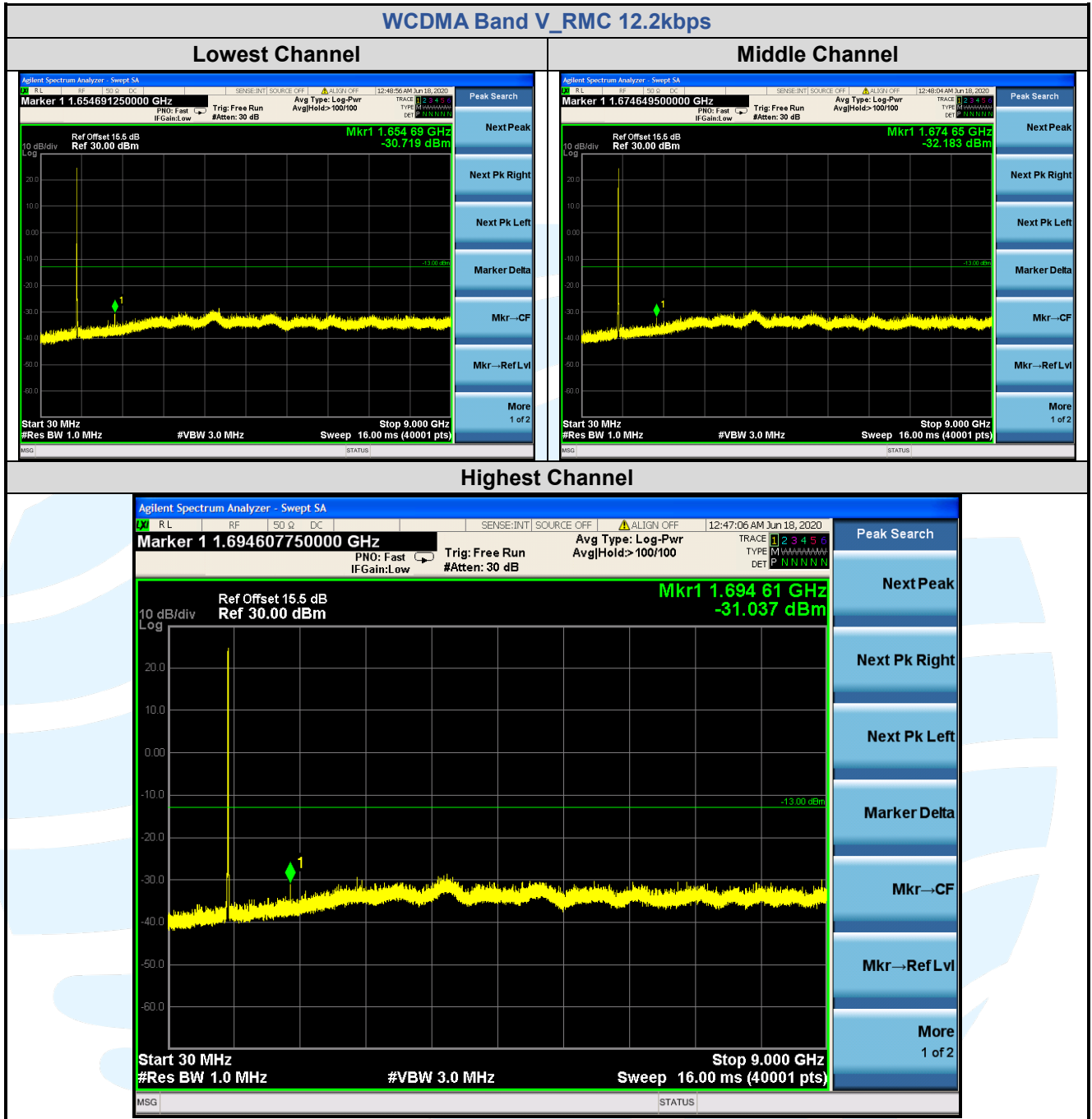
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### 5.8 FIELD STRENGTH OF SPURIOUS RADIATION

**Test Requirement:** FCC 47 CFR Part 2.1053,  
 FCC 47 CFR Part 22.917(a)(b),  
 FCC 47 CFR Part 24.238(a)(b),  
 FCC 47 CFR Part 27.53(h)(1)

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 7

**Limits:**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13 dBm.

**Test Setup:** Refer to section 4.2.1 for details.

**Test Procedures:** KDB 971168 D01v03r01 Section 7

**Equipment Used:** Refer to section 3 for details.

**Test Result:** Pass

**The measurement data as follows:**

**Below 1G**

GSM 850							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
GPRS_ Lowest Channel							
1	159.759	-83.58	33.24	-50.34	-13.00	-37.34	Horizontal
2	240.144	-82.01	36.38	-45.63	-13.00	-32.63	Horizontal
3	754.963	-87.56	47.50	-40.06	-13.00	-27.06	Horizontal
4	46.708	-84.91	30.80	-54.11	-13.00	-41.11	Vertical
5	433.340	-85.03	41.32	-43.71	-13.00	-30.71	Vertical
6	502.247	-83.76	43.49	-40.27	-13.00	-27.27	Vertical
GPRS_ Middle Channel							
1	31.735	-91.18	37.66	-53.52	-13.00	-40.52	Horizontal
2	159.759	-83.29	33.24	-50.05	-13.00	-37.05	Horizontal
3	240.144	-81.34	36.38	-44.96	-13.00	-31.96	Horizontal
4	43.233	-84.85	31.61	-53.24	-13.00	-40.24	Vertical
5	433.340	-86.39	41.32	-45.07	-13.00	-32.07	Vertical
6	498.730	-84.47	43.34	-41.13	-13.00	-28.13	Vertical
GPRS_ Middle Channel							
1	159.759	-83.41	33.24	-50.17	-13.00	-37.17	Horizontal
2	240.144	-81.95	36.38	-45.57	-13.00	-32.57	Horizontal
3	679.435	-87.68	47.15	-40.53	-13.00	-27.53	Horizontal
4	43.233	-84.86	31.61	-53.25	-13.00	-40.25	Vertical
5	433.340	-85.37	41.32	-44.05	-13.00	-31.05	Vertical
6	498.730	-84.61	43.34	-41.27	-13.00	-28.27	Vertical

PCS 1900							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>GPRS_ Lowest Channel</b>							
1	159.759	-82.58	33.24	-49.34	-13.00	-36.34	Horizontal
2	240.144	-81.35	36.38	-44.97	-13.00	-31.97	Horizontal
3	1000.000	-87.29	53.15	-34.14	-13.00	-21.14	Horizontal
4	43.845	-84.29	31.47	-52.82	-13.00	-39.82	Vertical
5	502.247	-83.65	43.49	-40.16	-13.00	-27.16	Vertical
6	972.283	-86.36	51.84	-34.52	-13.00	-21.52	Vertical
<b>GPRS_ Middle Channel</b>							
1	159.759	-82.97	33.24	-49.73	-13.00	-36.73	Horizontal
2	240.144	-83.01	36.38	-46.63	-13.00	-33.63	Horizontal
3	979.139	-86.95	52.26	-34.69	-13.00	-21.69	Horizontal
4	42.630	-85.70	31.76	-53.94	-13.00	-40.94	Vertical
5	200.043	-89.33	34.30	-55.03	-13.00	-42.03	Vertical
6	502.247	-84.63	43.49	-41.14	-13.00	-28.14	Vertical
<b>GPRS_ Highest Channel</b>							
1	159.759	-83.44	33.24	-50.20	-13.00	-37.20	Horizontal
2	240.144	-83.10	36.38	-46.72	-13.00	-33.72	Horizontal
3	979.139	-86.71	52.26	-34.45	-13.00	-21.45	Horizontal
4	42.931	-86.31	31.69	-54.62	-13.00	-41.62	Vertical
5	205.746	-89.34	34.56	-54.78	-13.00	-41.78	Vertical
6	912.695	-87.81	49.93	-37.88	-13.00	-24.88	Vertical

WCDMA Band II							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>RMC 12.2kbps_ Lowest Channel</b>							
1	159.759	-83.00	33.24	-49.76	-13.00	-36.76	Horizontal
2	240.144	-80.28	36.38	-43.90	-13.00	-30.90	Horizontal
3	734.037	-87.93	47.56	-40.37	-13.00	-27.37	Horizontal
4	44.154	-86.13	31.39	-54.74	-13.00	-41.74	Vertical
5	554.171	-89.13	44.67	-44.46	-13.00	-31.46	Vertical
6	952.000	-86.92	51.61	-35.31	-13.00	-22.31	Vertical
<b>RMC 12.2kbps_ Middle Channel</b>							
1	159.759	-82.67	33.24	-49.43	-13.00	-36.43	Horizontal
2	240.144	-80.25	36.38	-43.87	-13.00	-30.87	Horizontal
3	992.997	-86.97	52.85	-34.12	-13.00	-21.12	Horizontal
4	46.056	-83.96	30.96	-53.00	-13.00	-40.00	Vertical
5	498.730	-85.09	43.34	-41.75	-13.00	-28.75	Vertical
6	992.997	-86.95	52.79	-34.16	-13.00	-21.16	Vertical
<b>RMC 12.2kbps_ Highest Channel</b>							
1	159.759	-82.86	33.24	-49.62	-13.00	-36.62	Horizontal
2	240.144	-82.20	36.38	-45.82	-13.00	-32.82	Horizontal
3	992.997	-86.99	52.85	-34.14	-13.00	-21.14	Horizontal
4	32.184	-91.02	37.83	-53.19	-13.00	-40.19	Vertical
5	43.538	-84.54	31.54	-53.00	-13.00	-40.00	Vertical
6	498.730	-84.16	43.34	-40.82	-13.00	-27.82	Vertical



WCDMA Band IV							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>RMC 12.2kbps_ Lowest Channel</b>							
1	31.292	-91.34	37.94	-53.40	-13.00	-40.40	Horizontal
2	240.144	-83.72	36.38	-47.34	-13.00	-34.34	Horizontal
3	992.997	-87.65	52.85	-34.80	-13.00	-21.80	Horizontal
4	43.538	-84.54	31.54	-53.00	-13.00	-40.00	Vertical
5	498.730	-84.16	43.34	-40.82	-13.00	-27.82	Vertical
6	945.334	-86.77	51.37	-35.40	-13.00	-22.40	Vertical
<b>RMC 12.2kbps_ Middle Channel</b>							
1	159.759	-84.24	33.24	-51.00	-13.00	-38.00	Horizontal
2	240.144	-83.72	36.38	-47.34	-13.00	-34.34	Horizontal
3	992.997	-87.06	52.85	-34.21	-13.00	-21.21	Horizontal
4	43.845	-86.94	31.47	-55.47	-13.00	-42.47	Vertical
5	343.651	-89.32	38.94	-50.38	-13.00	-37.38	Vertical
6	979.139	-87.62	52.09	-35.53	-13.00	-22.53	Vertical
<b>RMC 12.2kbps_ Highest Channel</b>							
1	159.759	-83.62	33.24	-50.38	-13.00	-37.38	Horizontal
2	240.144	-85.16	36.38	-48.78	-13.00	-35.78	Horizontal
3	972.283	-87.59	52.00	-35.59	-13.00	-22.59	Horizontal
4	30.425	-90.67	39.06	-51.61	-13.00	-38.61	Vertical
5	46.056	-86.20	30.96	-55.24	-13.00	-42.24	Vertical
6	945.334	-85.60	51.37	-34.23	-13.00	-21.23	Vertical

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WCDMA Band V							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>RMC 12.2kbps_ Lowest Channel</b>							
1	159.759	-83.87	33.24	-50.63	-13.00	-37.63	Horizontal
2	240.144	-83.38	36.38	-47.00	-13.00	-34.00	Horizontal
3	875.013	-74.33	48.26	-26.07	-13.00	-13.07	Horizontal
4	42.931	-84.65	31.69	-52.96	-13.00	-39.96	Vertical
5	502.247	-84.76	43.49	-41.27	-13.00	-28.27	Vertical
6	875.013	-76.87	48.56	-28.31	-13.00	-15.31	Vertical
<b>RMC 12.2kbps_ Middle Channel</b>							
1	159.759	-87.30	33.24	-54.06	-13.00	-41.06	Horizontal
2	230.230	-82.83	35.96	-46.87	-13.00	-33.87	Horizontal
3	887.398	-75.79	48.69	-27.10	-13.00	-14.10	Horizontal
4	46.056	-85.04	30.96	-54.08	-13.00	-41.08	Vertical
5	498.730	-83.62	43.34	-40.28	-13.00	-27.28	Vertical
6	887.398	-77.62	48.99	-28.63	-13.00	-15.63	Vertical
<b>RMC 12.2kbps_ Highest Channel</b>							
1	159.759	-82.36	33.24	-49.12	-13.00	-36.12	Horizontal
2	228.617	-83.67	35.89	-47.78	-13.00	-34.78	Horizontal
3	893.656	-73.55	48.90	-24.65	-13.00	-11.65	Horizontal
4	44.466	-84.77	31.32	-53.45	-13.00	-40.45	Vertical
5	502.247	-84.71	43.49	-41.22	-13.00	-28.22	Vertical
6	893.656	-78.08	49.20	-28.88	-13.00	-15.88	Vertical

**Above 1G**

GSM 850							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>GPRS_ Lowest Channel</b>							
1	1648.400	-69.05	4.50	-64.55	-13.00	-51.55	Horizontal
2	2472.600	-69.06	10.87	-58.19	-13.00	-45.19	Horizontal
3	1648.400	-68.88	3.72	-65.16	-13.00	-52.16	Vertical
4	2472.600	-69.49	10.47	-59.02	-13.00	-46.02	Vertical
<b>GPRS_ Middle Channel</b>							
1	1673.200	-70.45	4.68	-65.77	-13.00	-52.77	Horizontal
2	2509.800	-72.44	10.87	-61.57	-13.00	-48.57	Horizontal
3	1673.200	-70.55	3.92	-66.63	-13.00	-53.63	Vertical
4	2509.800	-74.34	10.46	-63.88	-13.00	-50.88	Vertical
<b>GPRS_ Highest Channel</b>							
1	1697.600	-72.24	4.86	-67.38	-13.00	-54.38	Horizontal
2	2546.400	-73.64	10.91	-62.73	-13.00	-49.73	Horizontal
3	1697.600	-71.69	4.12	-67.57	-13.00	-54.57	Vertical
4	2546.400	-73.47	10.48	-62.99	-13.00	-49.99	Vertical

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PCS 1900							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>GPRS_ Lowest Channel</b>							
1	3700.400	-70.62	14.91	-55.71	-13.00	-42.71	Horizontal
2	5550.600	-70.50	16.38	-54.12	-13.00	-41.12	Horizontal
3	3700.400	-72.15	14.89	-57.26	-13.00	-44.26	Vertical
4	5550.600	-69.41	16.87	-52.54	-13.00	-39.54	Vertical
<b>GPRS_ Middle Channel</b>							
1	3760.000	-66.00	15.03	-50.97	-13.00	-37.97	Horizontal
2	5640.000	-69.52	16.56	-52.96	-13.00	-39.96	Horizontal
3	3760.000	-73.43	15.03	-58.40	-13.00	-45.40	Vertical
4	5640.000	-69.77	17.04	-52.73	-13.00	-39.73	Vertical
<b>GPRS_ Highest Channel</b>							
1	3819.600	-70.83	15.14	-55.69	-13.00	-42.69	Horizontal
2	5729.400	-71.02	16.95	-54.07	-13.00	-41.07	Horizontal
3	3819.600	-72.35	15.17	-57.18	-13.00	-44.18	Vertical
4	5729.400	-71.16	17.40	-53.76	-13.00	-40.76	Vertical

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WCDMA Band II							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>RMC 12.2kbps_ Lowest Channel</b>							
1	3704.800	-66.36	14.92	-51.44	-13.00	-38.44	Horizontal
2	5557.200	-71.49	16.38	-55.11	-13.00	-42.11	Horizontal
3	3704.800	-62.37	14.90	-47.47	-13.00	-34.47	Vertical
4	5557.200	-69.52	16.87	-52.65	-13.00	-39.65	Vertical
<b>RMC 12.2kbps_ Middle Channel</b>							
1	3760.000	-63.16	15.03	-48.13	-13.00	-35.13	Horizontal
2	5640.000	-70.47	16.56	-53.91	-13.00	-40.91	Horizontal
3	3760.000	-61.43	15.03	-46.40	-13.00	-33.40	Vertical
4	5640.000	-68.63	17.04	-51.59	-13.00	-38.59	Vertical
<b>RMC 12.2kbps_ Highest Channel</b>							
1	3815.200	-66.75	15.14	-51.61	-13.00	-38.61	Horizontal
2	5722.800	-68.24	16.92	-51.32	-13.00	-38.32	Horizontal
3	3815.200	-64.12	15.17	-48.95	-13.00	-35.95	Vertical
4	5722.800	-67.74	17.37	-50.37	-13.00	-37.37	Vertical

WCDMA Band IV							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>RMC 12.2kbps_ Lowest Channel</b>							
1	3424.800	-71.38	13.63	-57.75	-13.00	-44.75	Horizontal
2	5137.200	-70.08	15.82	-54.26	-13.00	-41.26	Horizontal
3	3424.800	-71.60	13.42	-58.18	-13.00	-45.18	Vertical
4	5137.200	-69.28	16.17	-53.11	-13.00	-40.11	Vertical
<b>RMC 12.2kbps_ Middle Channel</b>							
1	3464.800	-70.55	13.88	-56.67	-13.00	-43.67	Horizontal
2	5197.200	-69.37	16.02	-53.35	-13.00	-40.35	Horizontal
3	3464.800	-71.53	13.73	-57.80	-13.00	-44.80	Vertical
4	5197.200	-68.74	16.40	-52.34	-13.00	-39.34	Vertical
<b>RMC 12.2kbps_ Highest Channel</b>							
1	3505.200	-71.18	14.13	-57.05	-13.00	-44.05	Horizontal
2	5257.800	-68.99	16.12	-52.87	-13.00	-39.87	Horizontal
3	3505.200	-70.91	14.04	-56.87	-13.00	-43.87	Vertical
4	5257.800	-68.18	16.52	-51.66	-13.00	-38.66	Vertical

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WCDMA Band V							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>RMC 12.2kbps_ Lowest Channel</b>							
1	1652.800	-69.65	4.54	-65.11	-13.00	-52.11	Horizontal
2	2479.200	-72.34	10.87	-61.47	-13.00	-48.47	Horizontal
3	1652.800	-70.84	3.76	-67.08	-13.00	-54.08	Vertical
4	2479.200	-72.37	10.47	-61.90	-13.00	-48.90	Vertical
<b>RMC 12.2kbps_ Middle Channel</b>							
1	1672.800	-71.04	4.68	-66.36	-13.00	-53.36	Horizontal
2	2509.200	-73.22	10.87	-62.35	-13.00	-49.35	Horizontal
3	1672.800	-70.93	3.92	-67.01	-13.00	-54.01	Vertical
4	2509.200	-72.05	10.46	-61.59	-13.00	-48.59	Vertical
<b>RMC 12.2kbps_ Highest Channel</b>							
1	1693.200	-70.65	4.83	-65.82	-13.00	-52.82	Horizontal
2	2539.800	-73.62	10.91	-62.71	-13.00	-49.71	Horizontal
3	1693.200	-71.89	4.08	-67.81	-13.00	-54.81	Vertical
4	2539.800	-74.63	10.48	-64.15	-13.00	-51.15	Vertical

Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result – Limit
4. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test. Subsequently, only the worst case emissions are reported.

### 5.9 FREQUENCY STABILITY

**Test Requirement:** FCC 47 CFR Part 2.1055 &  
 FCC 47 CFR Part 22.355 &  
 FCC 47 CFR Part 24.235 &  
 FCC 47 CFR Part 27.54

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

**Limits:**

**FCC 47 CFR Part 22.355,**

The carrier frequency shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations.

**FCC 47 CFR Part 24.235, FCC 47 CFR Part 27.54**

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

**Test Setup:** Refer to section 4.2.2 for details.

**Test Procedures:**

- 1) Use CMW 500 with Frequency Error measurement capability.
  - a) Temp. =  $-30^{\circ}$  to  $+50^{\circ}\text{C}$
  - b) Voltage = low voltage, 3.6 Vdc, Normal, 3.8 Vdc and High voltage, 4.3 Vdc.

2) Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to  $20^{\circ}\text{C}$  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.

3) Frequency Stability vs Voltage:

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

**Equipment Used:** Refer to section 3 for details.

**Test Result:** Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature ( $^{\circ}\text{C}$ )	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
<b>GSM 850</b>							
GPRS	190 / 836.6	VL	TN	21	0.0251	$\pm 2.5$	Pass
		VN		23	0.0275	$\pm 2.5$	Pass
		VH		31	0.0371	$\pm 2.5$	Pass
		VN	50	31	0.0371	$\pm 2.5$	Pass
			40	35	0.0418	$\pm 2.5$	Pass
			30	31	0.0371	$\pm 2.5$	Pass
			20	36	0.0430	$\pm 2.5$	Pass
			10	31	0.0371	$\pm 2.5$	Pass
			0	35	0.0418	$\pm 2.5$	Pass
			-10	38	0.0454	$\pm 2.5$	Pass
			-20	33	0.0394	$\pm 2.5$	Pass
			-30	28	0.0335	$\pm 2.5$	Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Pass/ Fail
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>GSM 850</b>							
EDGE	190 / 836.6	VL	TN	34	0.0406	± 2.5	Pass
		VN		35	0.0418	± 2.5	Pass
		VH		36	0.0430	± 2.5	Pass
		VN	50	37	0.0442	± 2.5	Pass
			40	28	0.0335	± 2.5	Pass
			30	35	0.0418	± 2.5	Pass
			20	28	0.0335	± 2.5	Pass
			10	32	0.0383	± 2.5	Pass
			0	34	0.0406	± 2.5	Pass
			-10	26	0.0311	± 2.5	Pass
			-20	27	0.0323	± 2.5	Pass
			-30	35	0.0418	± 2.5	Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>PCS 1900</b>							
GPRS	661 / 1880.0	VL	TN	-27	-0.0144	N/A	Pass
		VN		-29	-0.0154		Pass
		VH		-31	-0.0165		Pass
		VN	50	-25	-0.0133		Pass
			40	-33	-0.0176		Pass
			30	-28	-0.0149		Pass
			20	-37	-0.0197		Pass
			10	-25	-0.0133		Pass
			0	-36	-0.0191		Pass
			-10	-26	-0.0138		Pass
			-20	-23	-0.0122		Pass
			-30	-28	-0.0149		Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Pass/ Fail
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>PCS 1900</b>							
EDGE	661 / 1880.0	VL	TN	31	0.0165	N/A	Pass
		VN		33	0.0176		Pass
		VH		27	0.0144		Pass
		VN	50	36	0.0191		Pass
			40	31	0.0165		Pass
			30	33	0.0176		Pass
			20	27	0.0144		Pass
			10	24	0.0128		Pass
			0	27	0.0144		Pass
			-10	36	0.0191		Pass
			-20	26	0.0138		Pass
			-30	33	0.0176		Pass

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Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>WCDMA Band II</b>							
RMC 12.2kbps	9400 / 1880.0	VL	TN	26	0.0138	N/A	Pass
		VN		33	0.0176		Pass
		VH		32	0.0170		Pass
		VN	50	26	0.0138		Pass
			40	33	0.0176		Pass
			30	38	0.0202		Pass
			20	26	0.0138		Pass
			10	28	0.0149		Pass
			0	31	0.0165		Pass
			-10	33	0.0176		Pass
			-20	26	0.0138		Pass
			-30	29	0.0154		Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>WCDMA Band IV</b>							
RMC 12.2kbps	1412 / 1732.4	VL	TN	31	0.0179	N/A	Pass
		VN		28	0.0162		Pass
		VH		31	0.0179		Pass
		VN	50	26	0.0150		Pass
			40	29	0.0167		Pass
			30	33	0.0190		Pass
			20	27	0.0156		Pass
			10	35	0.0202		Pass
			0	31	0.0179		Pass
			-10	35	0.0202		Pass
			-20	31	0.0179		Pass
			-30	25	0.0144		Pass



Modulation	Channel/ Frequency (MHz)	Voltage	Temperature	Deviation	Deviation	Limit	Result
		(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>WCDMA Band V</b>							
RMC 12.2kbps	4182 / 836.4	VL	TN	26	0.0311	± 2.5	Pass
		VN		31	0.0371	± 2.5	Pass
		VH		28	0.0335	± 2.5	Pass
		VN	50	34	0.0407	± 2.5	Pass
			40	21	0.0251	± 2.5	Pass
			30	29	0.0347	± 2.5	Pass
			20	34	0.0407	± 2.5	Pass
			10	25	0.0299	± 2.5	Pass
			0	29	0.0347	± 2.5	Pass
			-10	31	0.0371	± 2.5	Pass
			-20	25	0.0299	± 2.5	Pass
			-30	32	0.0383	± 2.5	Pass

## APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

## APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

\*\*\* End of Report \*\*\*

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