



## 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.

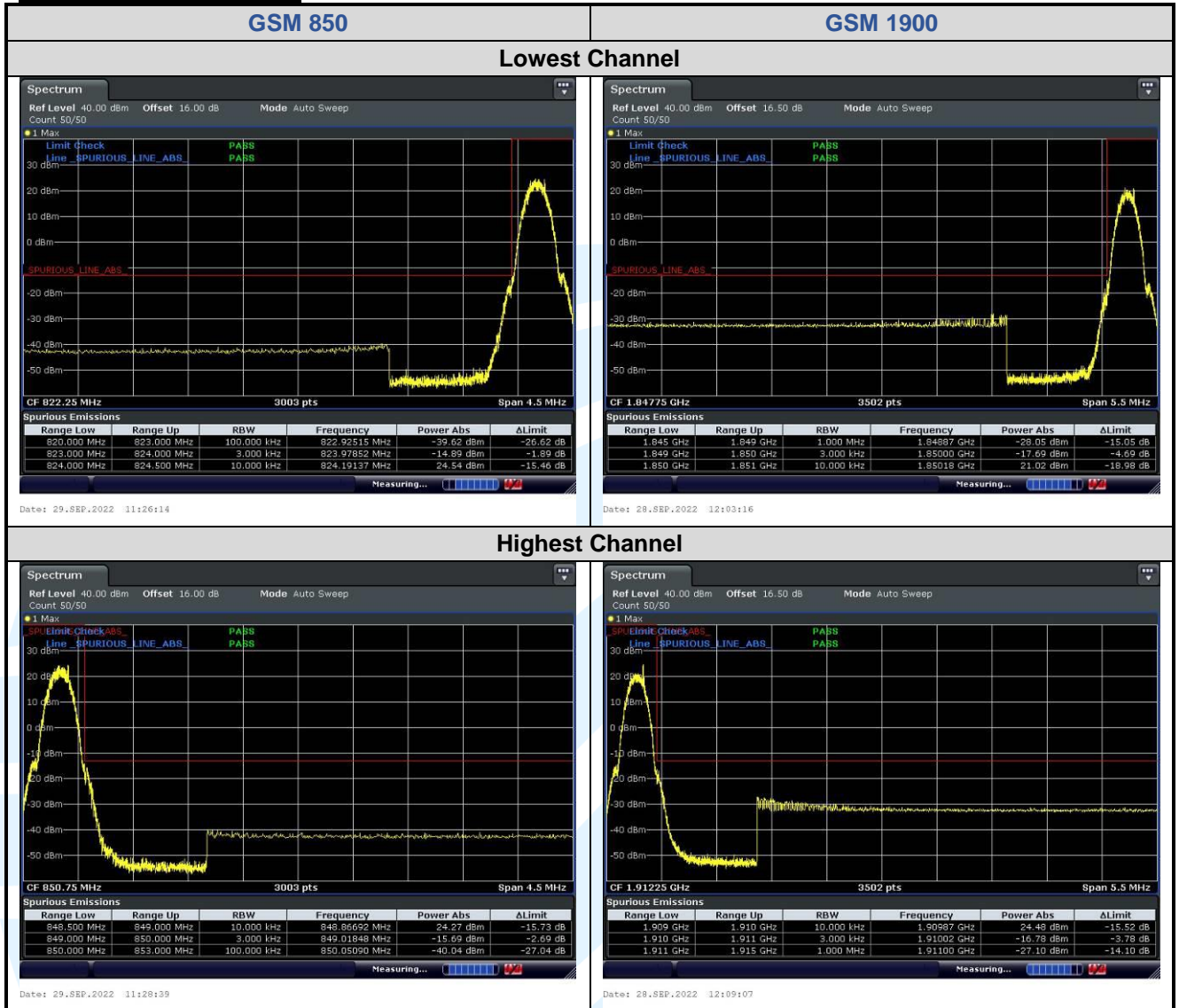
**Test Setup:** Refer to section 4.2.2 for details.

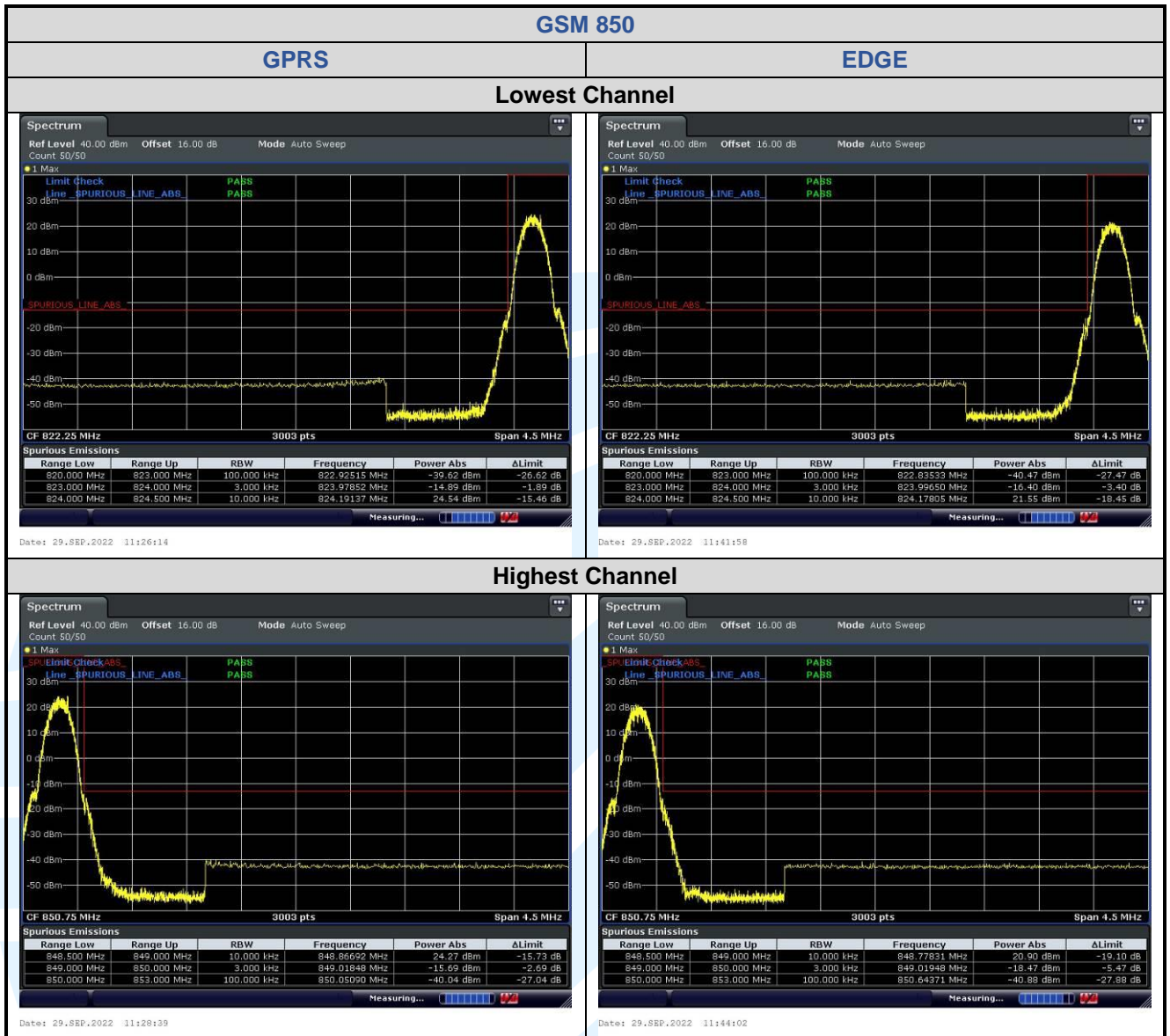
**Instruments Used:** Refer to section 3 for details

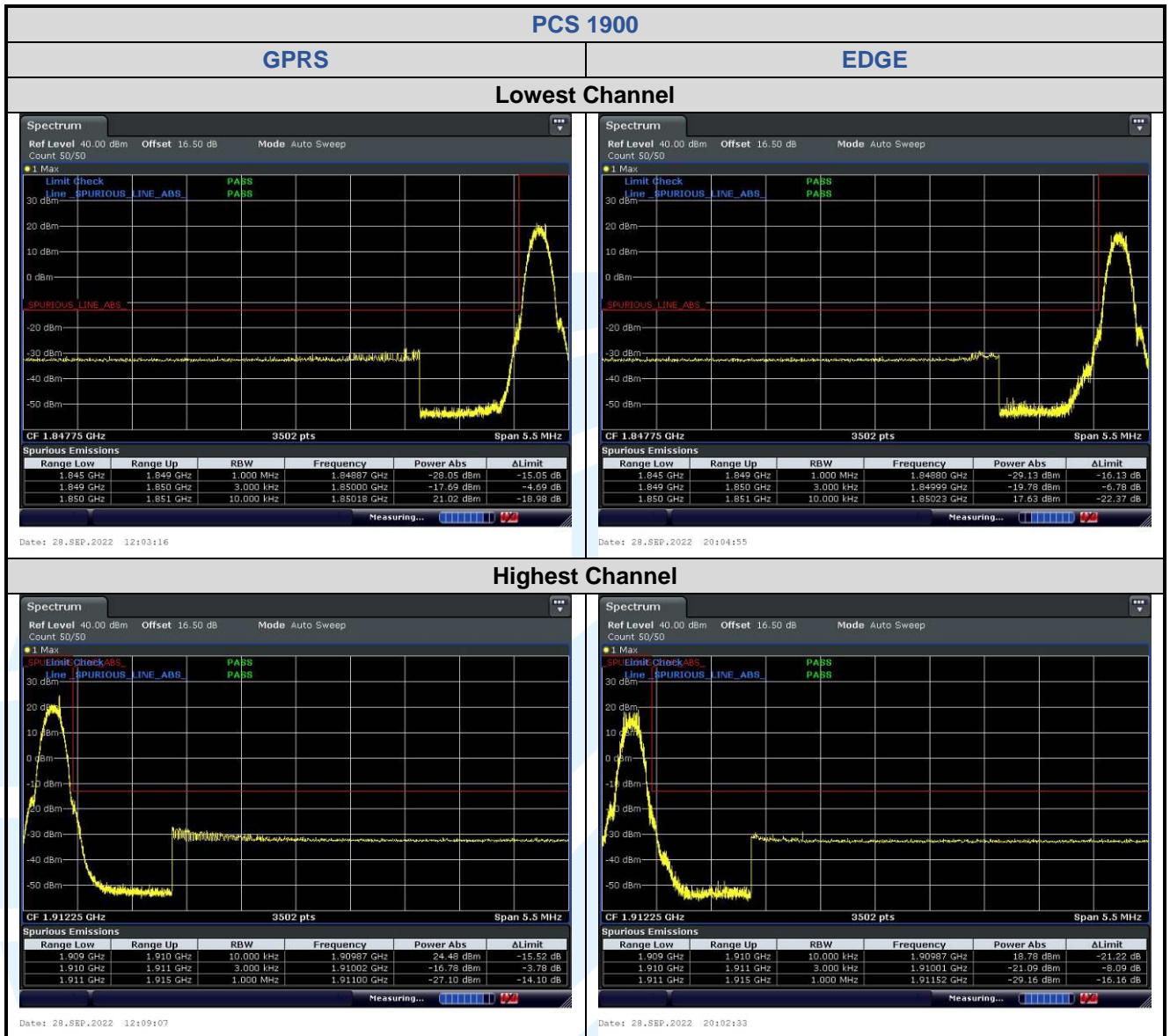
**Test Mode:** Link mode

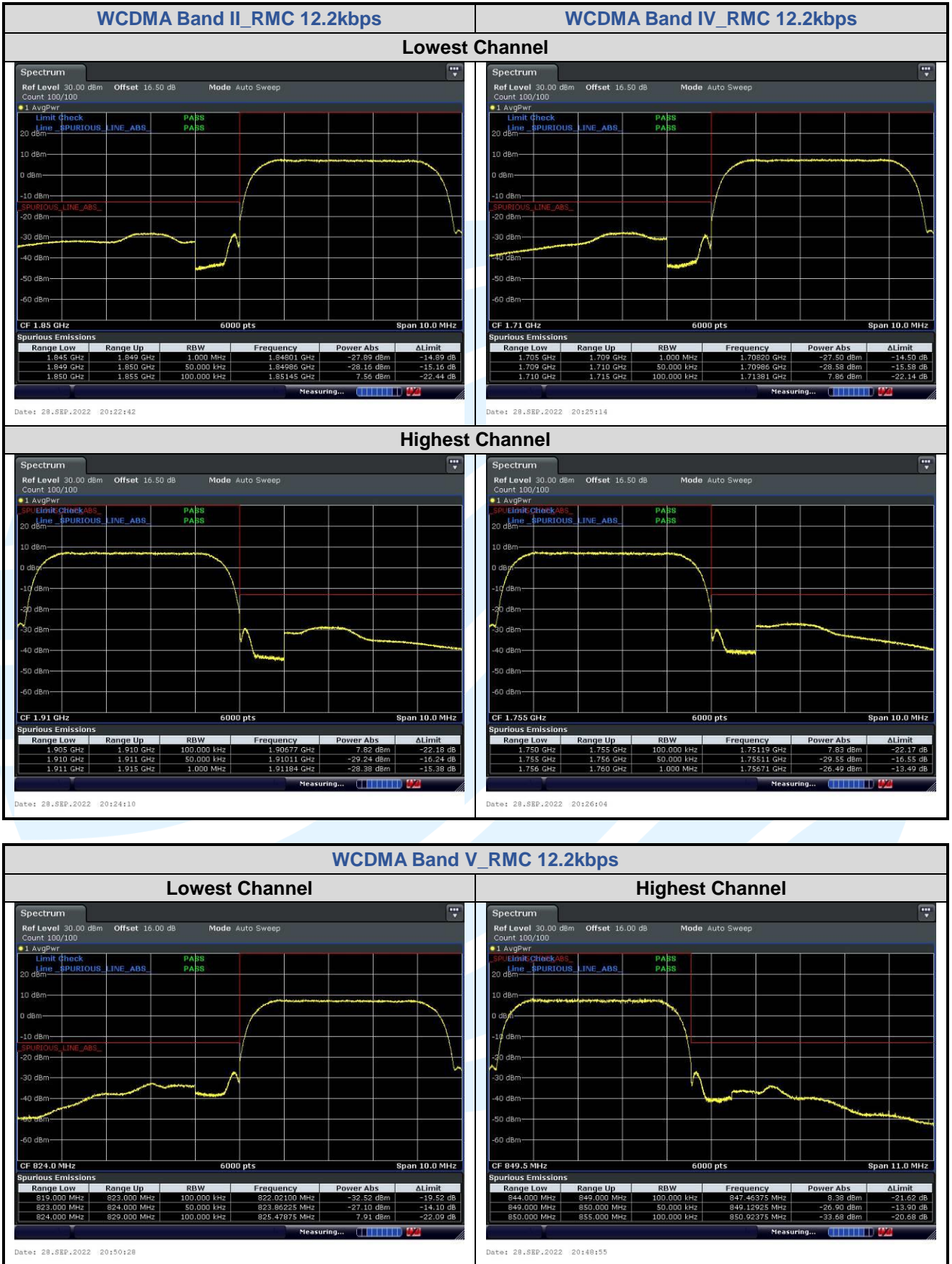
**Test Results:** Pass

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.

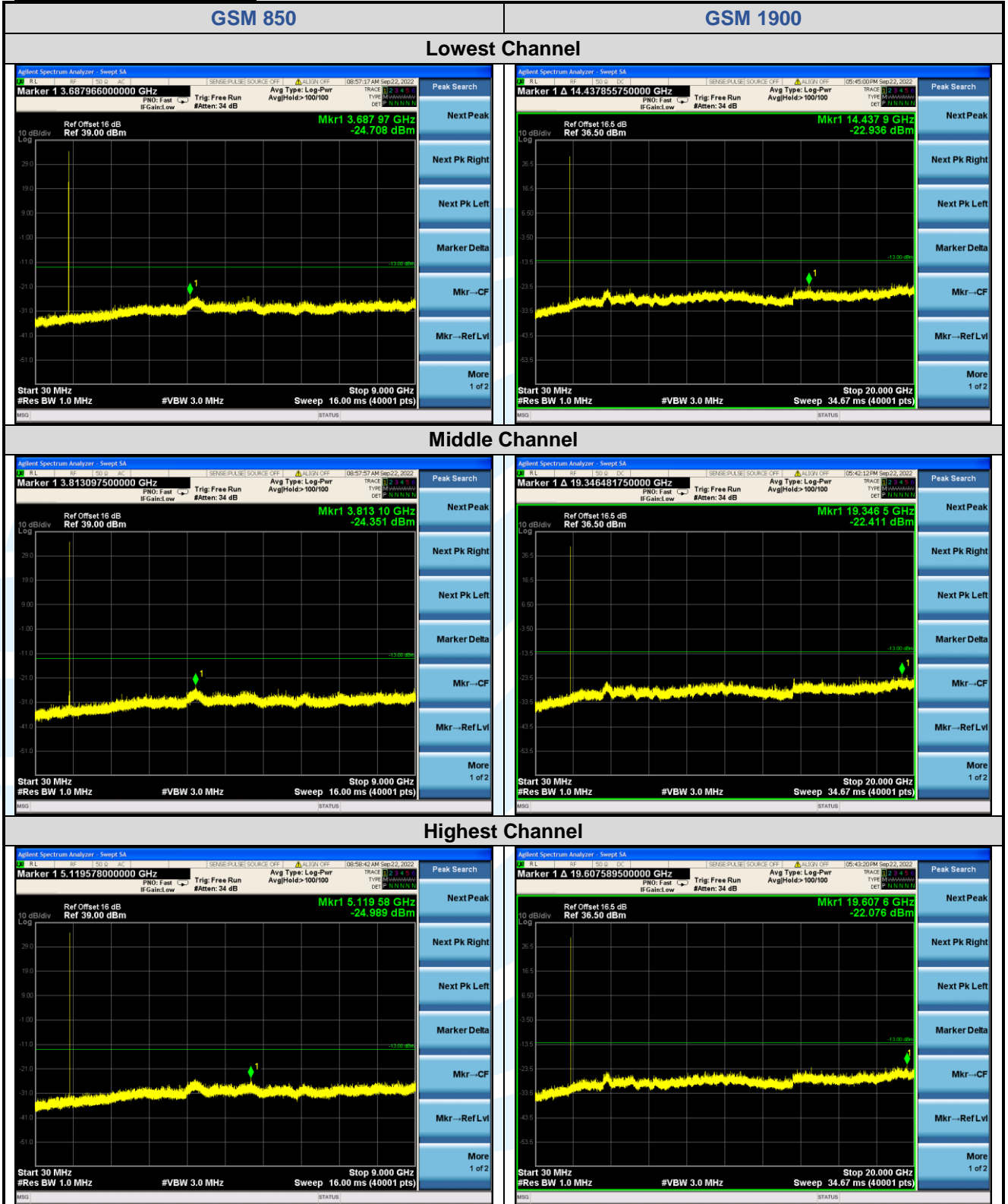
**Instruments Used:** Refer to section 3 for details

**Test Mode:** Link mode

**Test Results:** Pass



The test plots as follows:



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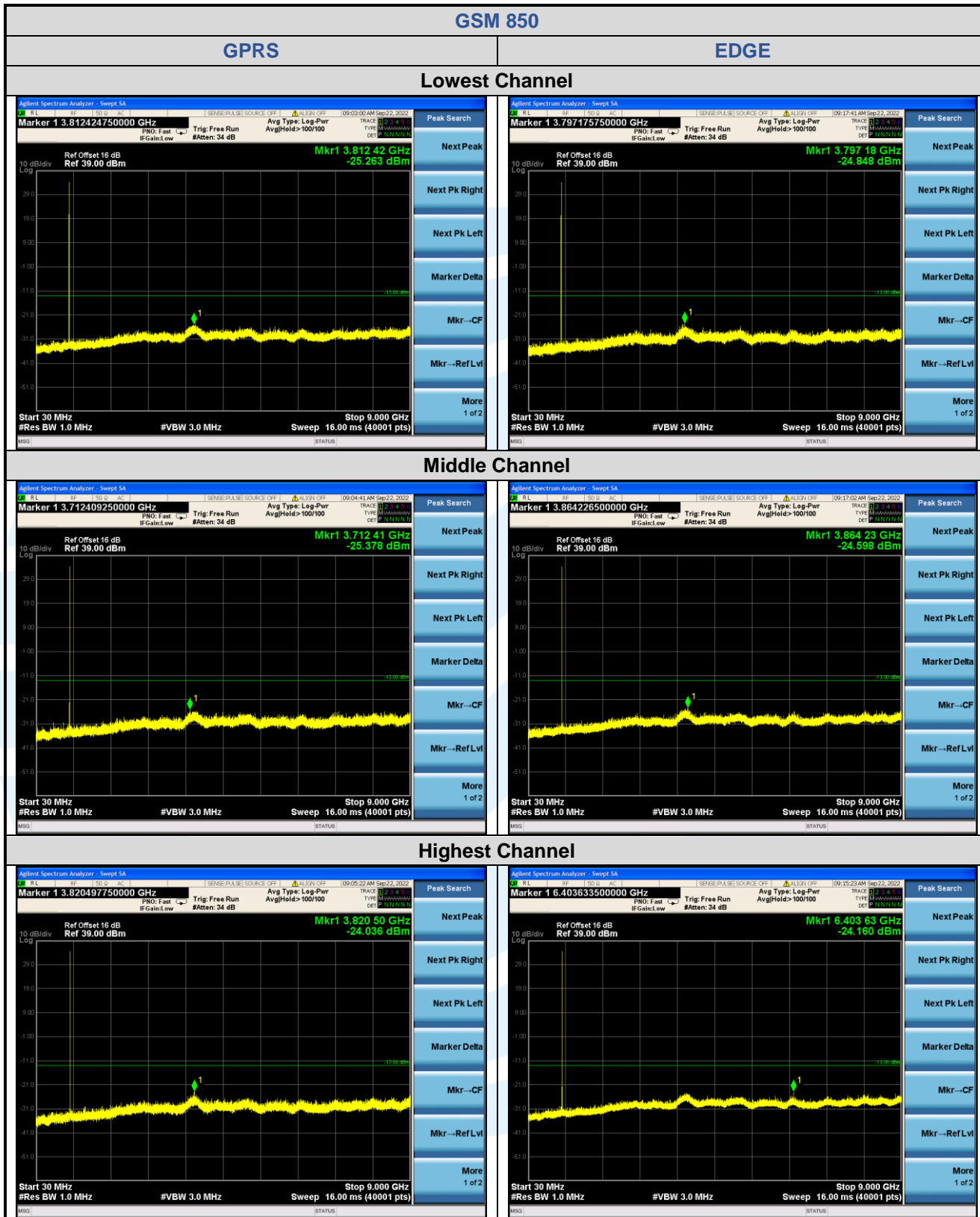
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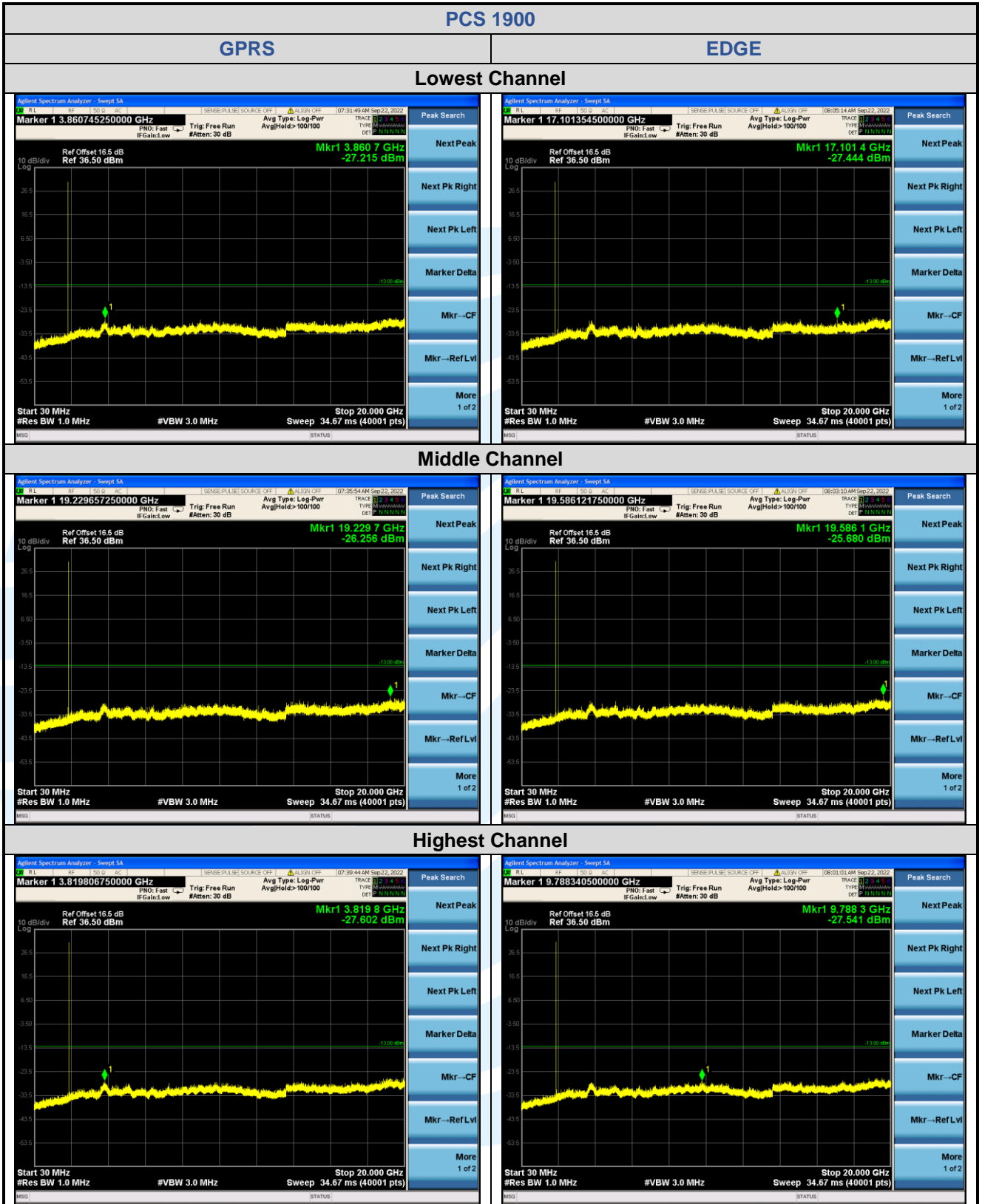
Tel: +86-755-28230888

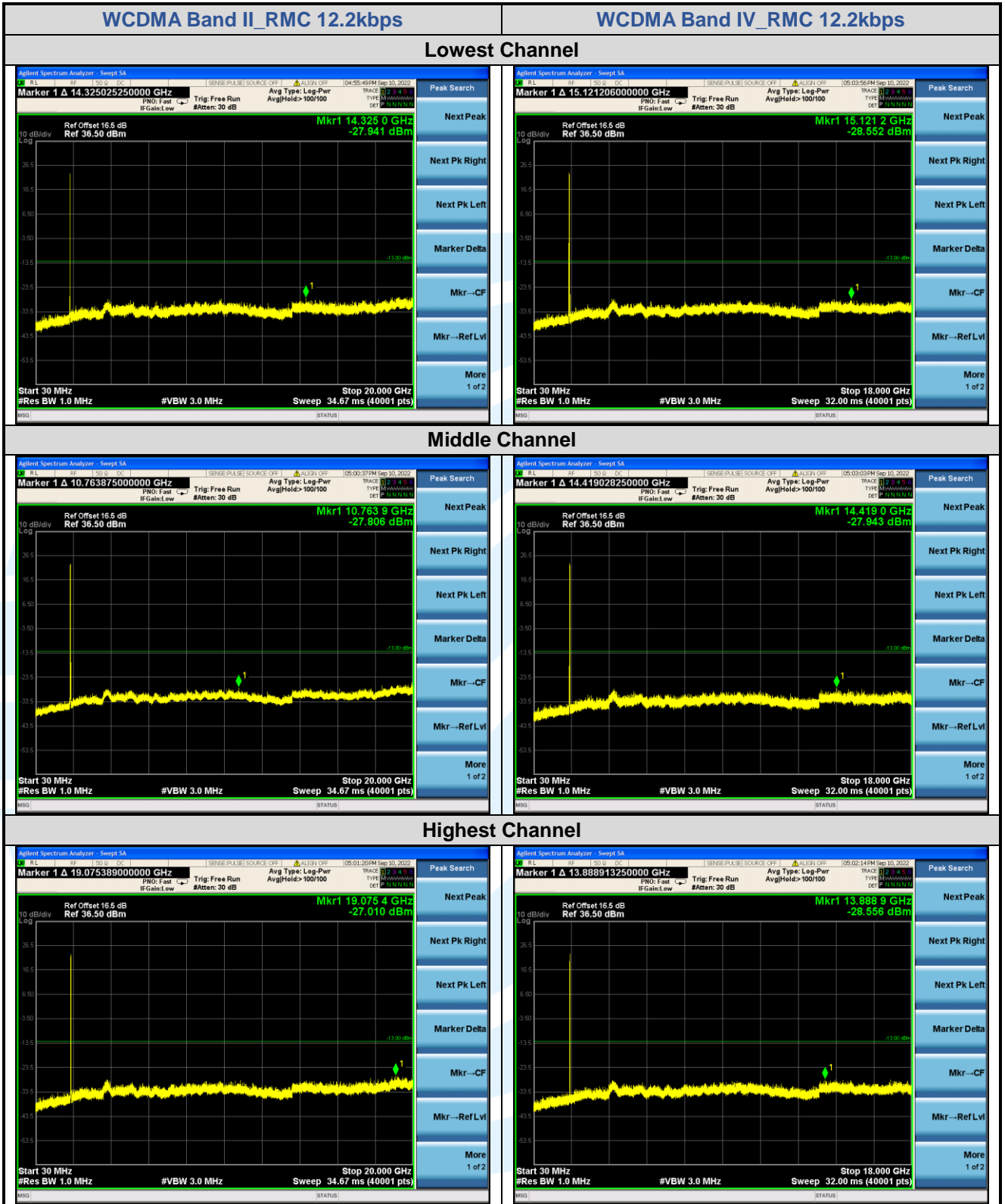
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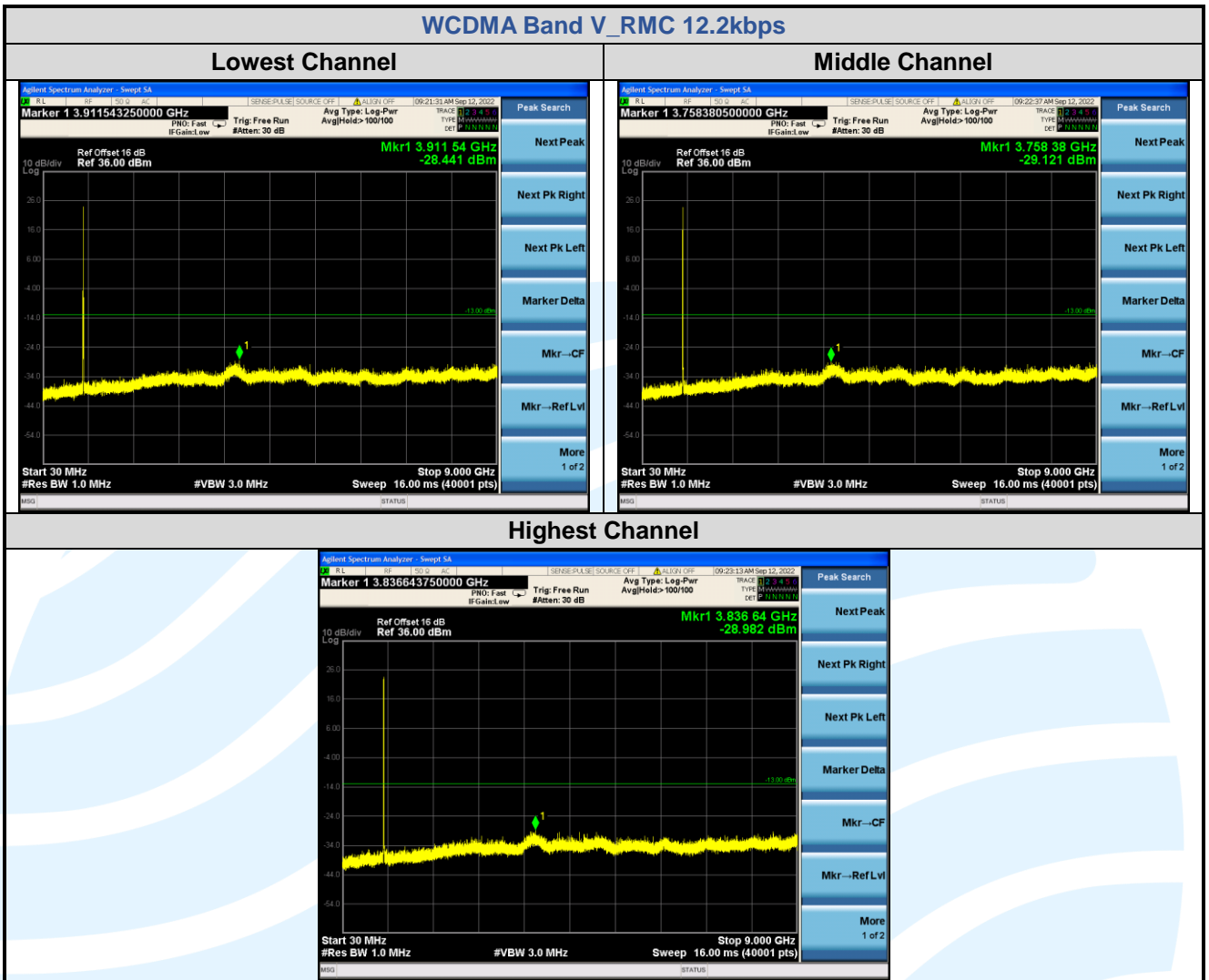
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### 5.8 FIELD STRENGTH OF SPURIOUS RADIATION

**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:**

GSM 850							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>Lowest Channel</b>							
1	33.335	-89.22	33.53	-55.69	-13.00	-42.69	Horizontal
2	180.030	-88.62	27.84	-60.78	-13.00	-47.78	Horizontal
3	972.283	-86.65	43.08	-43.57	-13.00	-30.57	Horizontal
4	1648.400	-68.33	0.20	-68.13	-13.00	-55.13	Horizontal
5	2472.600	-66.95	3.59	-63.36	-13.00	-50.36	Horizontal
6	31.073	-89.04	33.83	-55.21	-13.00	-42.21	Vertical
7	660.602	-86.39	39.56	-46.83	-13.00	-33.83	Vertical
8	932.141	-86.27	42.91	-43.36	-13.00	-30.36	Vertical
9	1648.400	-70.90	0.20	-70.70	-13.00	-57.70	Vertical
10	2472.600	-68.86	3.59	-65.27	-13.00	-52.27	Vertical
<b>Middle Channel</b>							
1	35.263	-89.73	33.83	-55.90	-13.00	-42.90	Horizontal
2	765.648	-86.58	40.99	-45.59	-13.00	-32.59	Horizontal
3	952.000	-85.80	42.99	-42.81	-13.00	-29.81	Horizontal
4	1673.200	-65.99	0.36	-65.63	-13.00	-52.63	Horizontal
5	2509.800	-66.40	3.71	-62.69	-13.00	-49.69	Horizontal
6	31.073	-88.97	33.83	-55.14	-13.00	-42.14	Vertical
7	708.694	-87.07	40.41	-46.66	-13.00	-33.66	Vertical
8	938.714	-85.74	42.94	-42.80	-13.00	-29.80	Vertical
9	1673.200	-68.59	0.36	-68.23	-13.00	-55.23	Vertical
10	2509.800	-68.46	3.71	-64.75	-13.00	-51.75	Vertical
<b>Middle Channel</b>							
1	32.870	-89.05	33.59	-55.46	-13.00	-42.46	Horizontal
2	236.793	-87.45	28.09	-59.36	-13.00	-46.36	Horizontal
3	919.132	-86.08	42.85	-43.23	-13.00	-30.23	Horizontal
4	1697.600	-70.16	0.52	-69.64	-13.00	-56.64	Horizontal
5	2546.400	-70.30	3.80	-66.50	-13.00	-53.50	Horizontal
6	32.870	-89.76	33.59	-56.17	-13.00	-43.17	Vertical
7	421.329	-86.98	33.97	-53.01	-13.00	-40.01	Vertical
8	972.283	-86.27	43.08	-43.19	-13.00	-30.19	Vertical
9	1697.600	-68.96	0.52	-68.44	-13.00	-55.44	Vertical
10	2546.400	-70.28	3.80	-66.48	-13.00	-53.48	Vertical

PCS 1900							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
<b>Lowest Channel</b>							
1	33.807	-74.91	4.64	-70.27	-13.00	-57.27	Horizontal
2	542.610	-72.36	7.73	-64.63	-13.00	-51.63	Horizontal
3	881.184	-72.22	13.59	-58.63	-13.00	-45.63	Horizontal
4	3700.400	-67.53	7.58	-59.95	-13.00	-46.95	Horizontal
5	5550.600	-68.30	11.77	-56.53	-13.00	-43.53	Horizontal
6	35.016	-75.98	5.31	-70.67	-13.00	-57.67	Vertical
7	415.449	-73.16	5.26	-67.90	-13.00	-54.90	Vertical
8	965.474	-71.91	14.34	-57.57	-13.00	-44.57	Vertical
9	3700.400	-67.71	7.58	-60.13	-13.00	-47.13	Vertical
10	5550.600	-69.47	11.77	-57.70	-13.00	-44.70	Vertical
<b>Middle Channel</b>							
1	35.511	-76.34	4.73	-71.61	-13.00	-58.61	Horizontal
2	484.907	-73.27	6.33	-66.94	-13.00	-53.94	Horizontal
3	986.044	-72.83	14.63	-58.20	-13.00	-45.20	Horizontal
4	3760.000	-66.91	7.79	-59.12	-13.00	-46.12	Horizontal
5	5640.000	-74.39	11.56	-62.83	-13.00	-49.83	Horizontal
6	35.016	-79.73	5.31	-74.42	-13.00	-61.42	Vertical
7	445.693	-75.77	5.33	-70.44	-13.00	-57.44	Vertical
8	992.997	-74.74	14.78	-59.96	-13.00	-46.96	Vertical
9	3760.000	-67.62	7.79	-59.83	-13.00	-46.83	Vertical
10	5640.000	-75.46	11.56	-63.90	-13.00	-50.90	Vertical
<b>Highest Channel</b>							
1	31.735	-74.88	4.90	-69.98	-13.00	-56.98	Horizontal
2	302.819	-72.13	3.05	-69.08	-13.00	-56.08	Horizontal
3	945.334	-71.26	14.20	-57.06	-13.00	-44.06	Horizontal
4	3819.600	-66.79	8.01	-58.78	-13.00	-45.78	Horizontal
5	5729.400	-73.24	11.36	-61.88	-13.00	-48.88	Horizontal
6	33.101	-75.04	4.76	-70.28	-13.00	-57.28	Vertical
7	177.518	-73.53	-0.54	-74.07	-13.00	-61.07	Vertical
8	979.139	-72.20	14.44	-57.76	-13.00	-44.76	Vertical
9	3819.600	-67.22	8.01	-59.21	-13.00	-46.21	Vertical
10	5729.400	-74.46	11.36	-63.10	-13.00	-50.10	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	36.524	-77.47	3.71	-73.76	-13.00	-60.76	Horizontal
2	327.155	-76.17	3.85	-72.32	-13.00	-59.32	Horizontal
3	952.000	-74.74	14.25	-60.49	-13.00	-47.49	Horizontal
4	3704.800	-66.11	7.59	-58.52	-13.00	-45.52	Horizontal
5	5557.200	-68.44	11.75	-56.69	-13.00	-43.69	Horizontal
6	35.511	-74.99	4.73	-70.26	-13.00	-57.26	Vertical
7	491.770	-73.47	6.56	-66.91	-13.00	-53.91	Vertical
8	912.695	-70.56	13.97	-56.59	-13.00	-43.59	Vertical
9	3704.800	-66.40	7.59	-58.81	-13.00	-45.81	Vertical
10	5557.200	-67.92	11.75	-56.17	-13.00	-43.17	Vertical
<b>RMC 12.2kbps _ Middle Channel</b>							
1	30.639	-74.37	5.09	-69.28	-13.00	-56.28	Horizontal
2	193.137	-73.30	-0.77	-74.07	-13.00	-61.07	Horizontal
3	979.139	-70.67	14.44	-56.23	-13.00	-43.23	Horizontal
4	3760.000	-65.37	7.79	-57.58	-13.00	-44.58	Horizontal
5	5640.000	-72.24	11.56	-60.68	-13.00	-47.68	Horizontal
6	35.511	-72.61	4.73	-67.88	-13.00	-54.88	Vertical
7	353.447	-70.66	4.65	-66.01	-13.00	-53.01	Vertical
8	945.334	-68.66	14.20	-54.46	-13.00	-41.46	Vertical
9	3760.000	-66.96	7.79	-59.17	-13.00	-46.17	Vertical
10	5640.000	-72.64	11.56	-61.08	-13.00	-48.08	Vertical
<b>RMC 12.2kbps _ Highest Channel</b>							
1	35.762	-72.56	4.45	-68.11	-13.00	-55.11	Horizontal
2	180.030	-73.67	-0.47	-74.14	-13.00	-61.14	Horizontal
3	945.334	-71.30	14.20	-57.10	-13.00	-44.10	Horizontal
4	3815.200	-65.37	7.99	-57.38	-13.00	-44.38	Horizontal
5	5722.800	-70.38	11.38	-59.00	-13.00	-46.00	Horizontal
6	35.263	-74.35	5.02	-69.33	-13.00	-56.33	Vertical
7	191.784	-71.58	-0.69	-72.27	-13.00	-59.27	Vertical
8	972.283	-70.34	14.39	-55.95	-13.00	-42.95	Vertical
9	3815.200	-64.70	7.99	-56.71	-13.00	-43.71	Vertical
10	5722.800	-70.77	11.38	-59.39	-13.00	-46.39	Vertical

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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	35.263	-71.54	5.02	-66.52	-13.00	-53.52	Horizontal
2	171.389	-70.72	-1.58	-72.30	-13.00	-59.30	Horizontal
3	912.695	-68.79	13.97	-54.82	-13.00	-41.82	Horizontal
4	3424.800	-66.74	6.47	-60.27	-13.00	-47.27	Horizontal
5	5137.200	-69.23	10.02	-59.21	-13.00	-46.21	Horizontal
6	34.045	-71.19	4.64	-66.55	-13.00	-53.55	Vertical
7	360.977	-69.97	4.53	-65.44	-13.00	-52.44	Vertical
8	958.714	-67.98	14.29	-53.69	-13.00	-40.69	Vertical
9	3424.800	-67.75	6.47	-61.28	-13.00	-48.28	Vertical
10	5137.200	-67.98	10.02	-57.96	-13.00	-44.96	Vertical
<b>RMC 12.2kbps _ Middle Channel</b>							
1	35.263	-69.71	5.02	-64.69	-13.00	-51.69	Horizontal
2	327.155	-67.06	3.85	-63.21	-13.00	-50.21	Horizontal
3	965.474	-66.09	14.34	-51.75	-13.00	-38.75	Horizontal
4	3464.800	-66.68	6.62	-60.06	-13.00	-47.06	Horizontal
5	5197.200	-66.65	10.24	-56.41	-13.00	-43.41	Horizontal
6	35.263	-67.82	5.02	-62.80	-13.00	-49.80	Vertical
7	655.977	-65.08	10.11	-54.97	-13.00	-41.97	Vertical
8	965.474	-63.99	14.34	-49.65	-13.00	-36.65	Vertical
9	3464.800	-67.16	6.62	-60.54	-13.00	-47.54	Vertical
10	5197.200	-66.17	10.24	-55.93	-13.00	-42.93	Vertical
<b>RMC 12.2kbps _ Highest Channel</b>							
1	35.762	-65.73	4.45	-61.28	-13.00	-48.28	Horizontal
2	363.523	-66.19	4.57	-61.62	-13.00	-48.62	Horizontal
3	979.139	-64.94	14.44	-50.50	-13.00	-37.50	Horizontal
4	3505.200	-70.52	6.77	-63.75	-13.00	-50.75	Horizontal
5	5257.800	-68.44	10.56	-57.88	-13.00	-44.88	Horizontal
6	32.870	-75.10	4.78	-70.32	-13.00	-57.32	Vertical
7	338.855	-72.84	3.90	-68.94	-13.00	-55.94	Vertical
8	986.044	-70.89	14.63	-56.26	-13.00	-43.26	Vertical
9	3505.200	-70.32	6.77	-63.55	-13.00	-50.55	Vertical
10	5257.800	-68.81	10.56	-58.25	-13.00	-45.25	Vertical

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	35.016	-92.78	34.12	-58.66	-13.00	-45.66	Horizontal
2	488.326	-88.39	35.66	-52.73	-13.00	-39.73	Horizontal
3	965.474	-89.22	43.05	-46.17	-13.00	-33.17	Horizontal
4	1652.800	-71.37	0.23	-71.14	-13.00	-58.14	Horizontal
5	2479.200	-69.42	3.61	-65.81	-13.00	-52.81	Horizontal
6	36.781	-87.81	32.29	-55.52	-13.00	-42.52	Vertical
7	350.972	-89.40	32.83	-56.57	-13.00	-43.57	Vertical
8	958.714	-87.60	43.02	-44.58	-13.00	-31.58	Vertical
9	1652.800	-70.83	0.23	-70.60	-13.00	-57.60	Vertical
10	2479.200	-68.23	3.61	-64.62	-13.00	-51.62	Vertical
<b>RMC 12.2kbps _ Middle Channel</b>							
1	34.285	-91.20	33.62	-57.58	-13.00	-44.58	Horizontal
2	455.189	-88.25	34.79	-53.46	-13.00	-40.46	Horizontal
3	952.000	-87.50	42.99	-44.51	-13.00	-31.51	Horizontal
4	1672.800	-69.69	0.36	-69.33	-13.00	-56.33	Horizontal
5	2509.200	-68.55	3.71	-64.84	-13.00	-51.84	Horizontal
6	35.263	-90.52	33.83	-56.69	-13.00	-43.69	Vertical
7	178.770	-90.39	28.15	-62.24	-13.00	-49.24	Vertical
8	958.714	-86.88	43.02	-43.86	-13.00	-30.86	Vertical
9	1672.800	-69.70	0.36	-69.34	-13.00	-56.34	Vertical
10	2509.200	-67.34	3.71	-63.63	-13.00	-50.63	Vertical
<b>RMC 12.2kbps _ Highest Channel</b>							
1	35.016	-92.31	34.12	-58.19	-13.00	-45.19	Horizontal
2	376.523	-89.88	32.82	-57.06	-13.00	-44.06	Horizontal
3	986.044	-88.25	43.28	-44.97	-13.00	-31.97	Horizontal
4	1693.200	-70.26	0.50	-69.76	-13.00	-56.76	Horizontal
5	2539.800	-70.38	3.78	-66.60	-13.00	-53.60	Horizontal
6	35.016	-90.90	34.12	-56.78	-13.00	-43.78	Vertical
7	327.155	-89.40	32.01	-57.39	-13.00	-44.39	Vertical
8	952.000	-87.54	42.99	-44.55	-13.00	-31.55	Vertical
9	1693.200	-69.67	0.50	-69.17	-13.00	-56.17	Vertical
10	2539.800	-71.04	3.78	-67.26	-13.00	-54.26	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

### 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, 3.5 Vdc, Normal, 3.8 Vdc and High voltage, 4.35 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	Voltage	Temperature	Deviation	Deviation	Limit	Result	
	(MHz)	(Vdc)	( $^{\circ}\text{C}$ )	(Hz)	(ppm)	(ppm)		
<b>GSM 850 1Tx-slot</b>								
GMSK	190 / 836.6	VL	TN	-4.53	-0.0054	$\pm 2.5$	Pass	
		VN		-4.86	-0.0058	$\pm 2.5$	Pass	
		VH		-4.75	-0.0057	$\pm 2.5$	Pass	
				50	-4.66	-0.0056	$\pm 2.5$	Pass
				40	-4.39	-0.0052	$\pm 2.5$	Pass
				30	-5.14	-0.0061	$\pm 2.5$	Pass
				20	-6.24	-0.0075	$\pm 2.5$	Pass
				10	-5.34	-0.0064	$\pm 2.5$	Pass
				0	-4.67	-0.0056	$\pm 2.5$	Pass
				-10	-5.33	-0.0064	$\pm 2.5$	Pass
				-20	-6.14	-0.0073	$\pm 2.5$	Pass
				-30	-5.18	-0.0062	$\pm 2.5$	Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>GSM 1900 1Tx-slot</b>							
GMSK	661 / 1880.0	VL	TN	-6.07	-0.0032	Note 1	Pass
		VN		-6.23	-0.0033		Pass
		VH		-5.89	-0.0031		Pass
		VN	50	-4.93	-0.0026		Pass
			40	-5.14	-0.0027		Pass
			30	-3.88	-0.0021		Pass
			20	-4.36	-0.0023		Pass
			10	-4.67	-0.0025		Pass
			0	-5.14	-0.0027		Pass
			-10	-4.33	-0.0023		Pass
			-20	-5.14	-0.0027		Pass
			-30	-5.78	-0.0031		Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>EDGE 850 1Tx-slot</b>							
8PSK	190 / 836.6	VL	TN	-5.14	-0.0061	± 2.5	Pass
		VN		-5.36	-0.0064	± 2.5	Pass
		VH		-5.24	-0.0063	± 2.5	Pass
		VN	50	-5.37	-0.0064	± 2.5	Pass
			40	-6.14	-0.0073	± 2.5	Pass
			30	-5.22	-0.0062	± 2.5	Pass
			20	-5.24	-0.0063	± 2.5	Pass
			10	-4.68	-0.0056	± 2.5	Pass
			0	-3.89	-0.0046	± 2.5	Pass
			-10	-5.47	-0.0065	± 2.5	Pass
			-20	-5.89	-0.0070	± 2.5	Pass
			-30	-5.67	-0.0068	± 2.5	Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>EDGE 1900 1Tx-slot</b>							
8PSK	661 / 1880.0	VL	TN	-5.67	-0.0030	Note 1	Pass
		VN		-4.87	-0.0026		Pass
		VH		-5.24	-0.0028		Pass
		VN	50	-6.11	-0.0033		Pass
			40	-5.73	-0.0030		Pass
			30	-5.36	-0.0029		Pass
			20	-4.07	-0.0022		Pass
			10	-4.88	-0.0026		Pass
			0	-4.69	-0.0025		Pass
			-10	-4.76	-0.0025		Pass
			-20	-5.22	-0.0028		Pass
			-30	-5.45	-0.0029		Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>WCDMA II RMC 12.2Kbps</b>							
BPSK	9400 / 1880.0	VL	TN	-6.11	-0.0033	Note 1	Pass
		VN		-5.89	-0.0031		Pass
		VH		-4.76	-0.0025		Pass
		VN	50	-6.08	-0.0032		Pass
			40	-5.67	-0.0030		Pass
			30	-5.34	-0.0028		Pass
			20	-5.19	-0.0028		Pass
			10	-4.78	-0.0025		Pass
			0	-3.97	-0.0021		Pass
			-10	-4.46	-0.0024		Pass
			-20	-4.68	-0.0025		Pass
			-30	-5.15	-0.0027		Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>WCDMA IV RMC 12.2Kbps</b>							
BPSK	1412 / 1732.4	VL	TN	-4.89	-0.0028	Note 1	Pass
		VN		-5.14	-0.0030		Pass
		VH		-5.23	-0.0030		Pass
		VN	50	-4.87	-0.0028		Pass
			40	-4.65	-0.0027		Pass
			30	-4.33	-0.0025		Pass
			20	-3.98	-0.0023		Pass
			10	-4.01	-0.0023		Pass
			0	-3.09	-0.0018		Pass
			-10	-3.66	-0.0021		Pass
			-20	-3.78	-0.0022		Pass
			-30	-3.59	-0.0021		Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
<b>WCDMA V RMC 12.2Kbps</b>							
BPSK	4182 / 836.4	VL	TN	-5.01	-0.0060	± 2.5	Pass
		VN		-4.88	-0.0058	± 2.5	Pass
		VH		-4.96	-0.0059	± 2.5	Pass
		VN	50	-5.23	-0.0063	± 2.5	Pass
			40	-4.56	-0.0055	± 2.5	Pass
			30	-3.45	-0.0041	± 2.5	Pass
			20	-5.17	-0.0062	± 2.5	Pass
			10	-5.77	-0.0069	± 2.5	Pass
			0	-6.01	-0.0072	± 2.5	Pass
			-10	-6.23	-0.0074	± 2.5	Pass
			-20	-6.45	-0.0077	± 2.5	Pass
			-30	-6.09	-0.0073	± 2.5	Pass

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## 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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