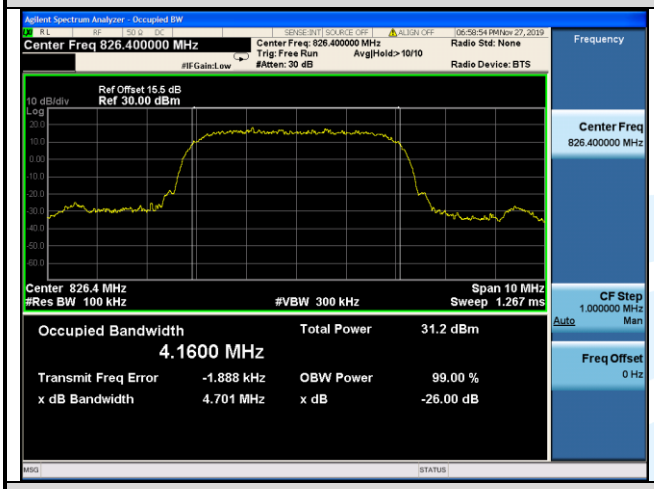
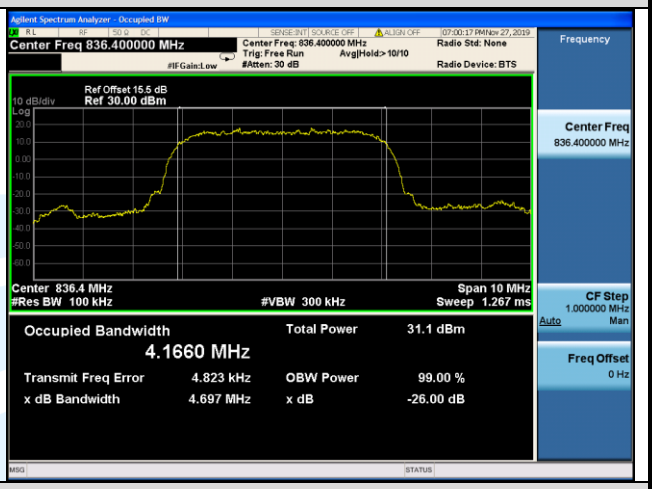
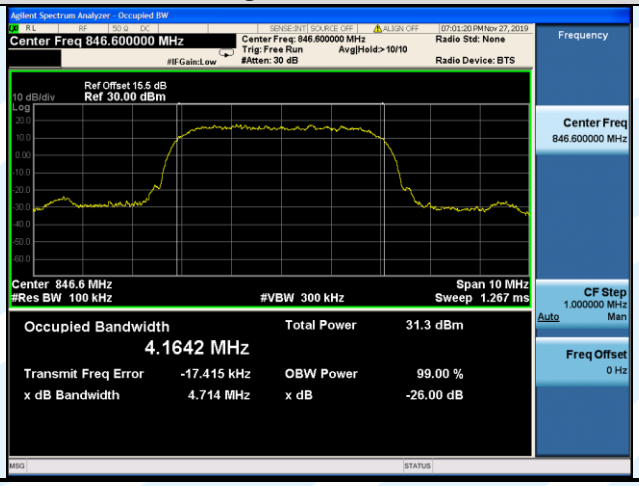
WCDMA Band V_RMC 12.2kbps	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

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.

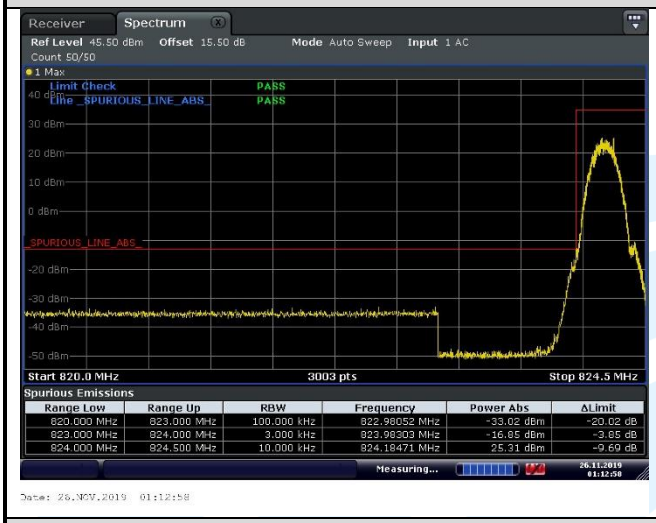
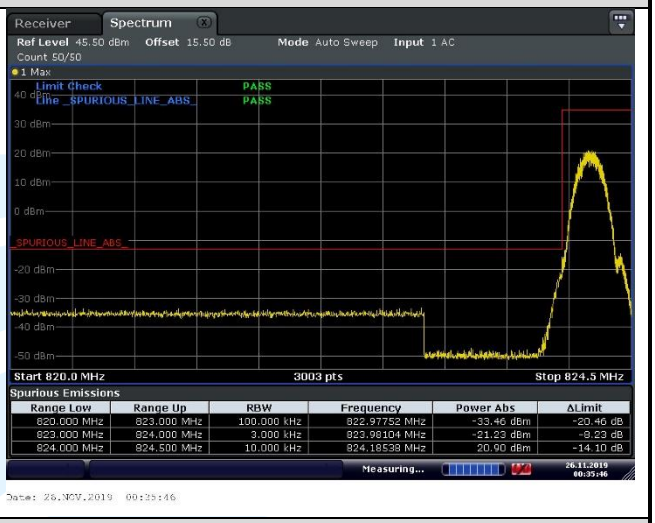
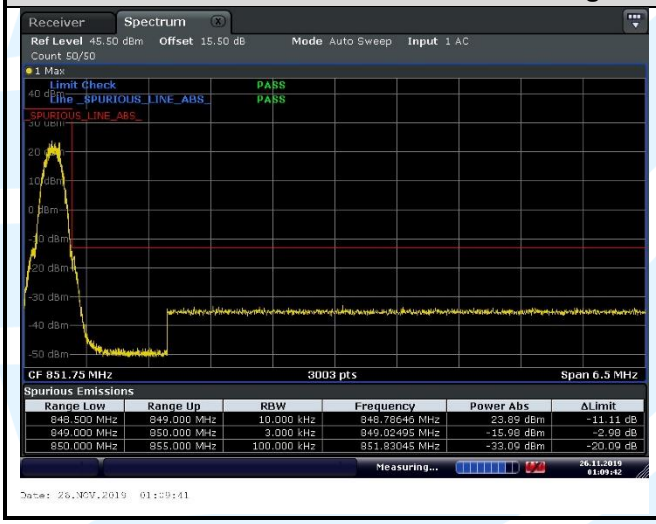
For each band edge measurement:

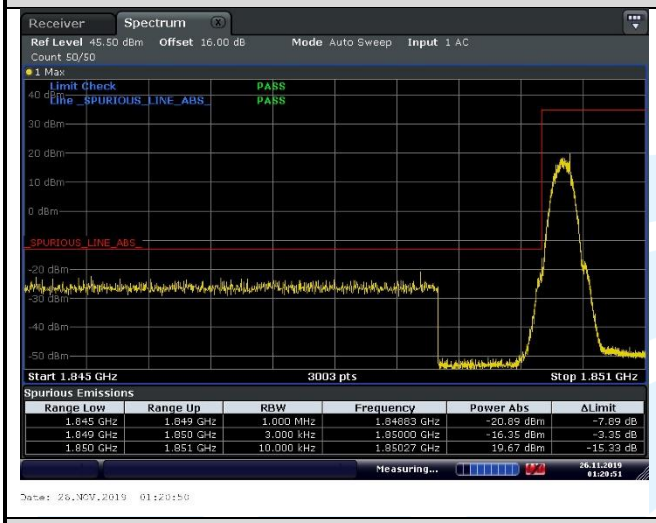
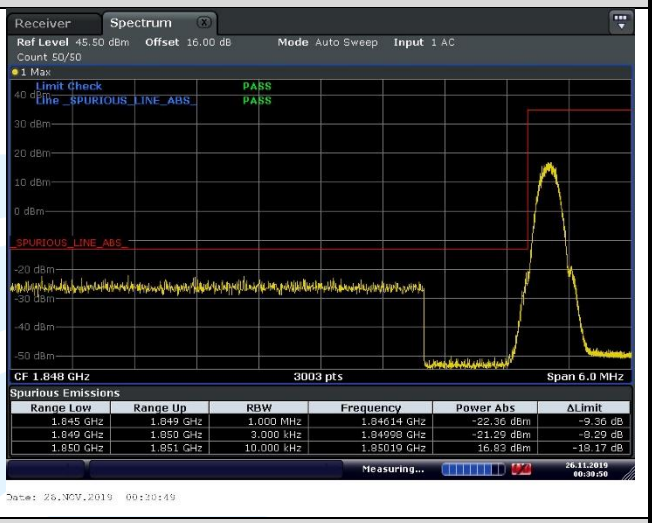
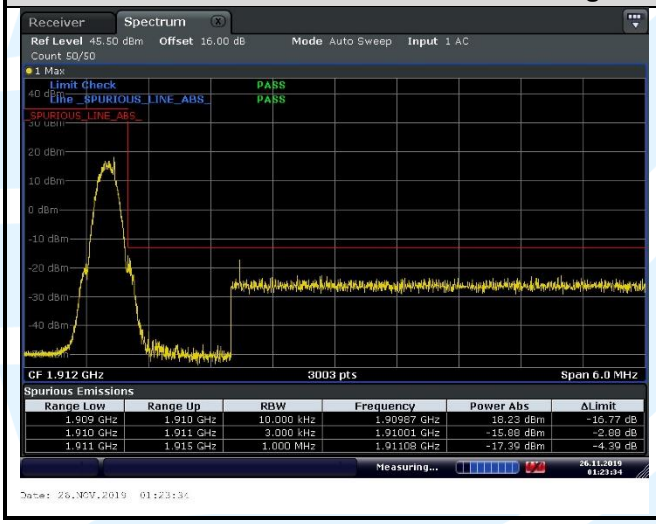
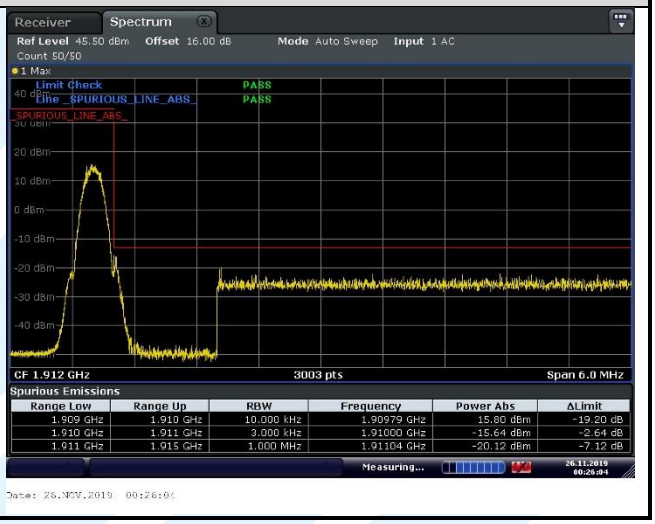
1) Set the spectrum analyzer span to include the block edge frequency.
2) Set a marker to point the corresponding band edge frequency in each test case.
3) Set display line at -13 dBm
4) Set resolution bandwidth to at least 1% of emission bandwidth.
5) Set spectrum analyzer with RMS detector.
6) Record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

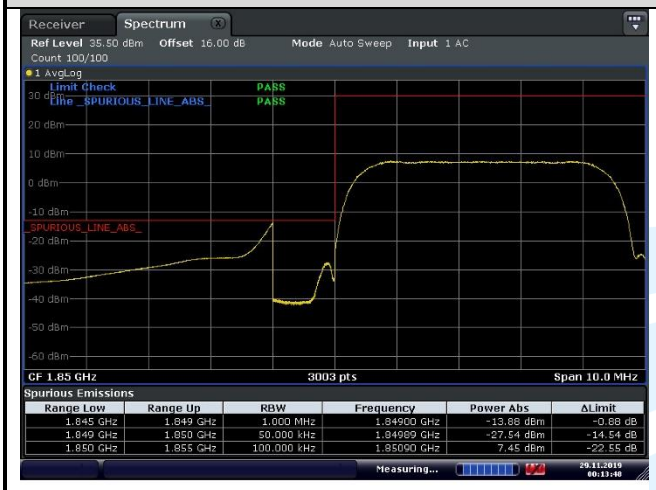
The test plots as follows:

GSM 850	
GPRS	**EDGE**
Lowest Channel	
	
Highest Channel	
	

PCS 1900	
GPRS	EDGE
Lowest Channel	
	
Highest Channel	
	

WCDMA Band II_RMC 12.2kbps

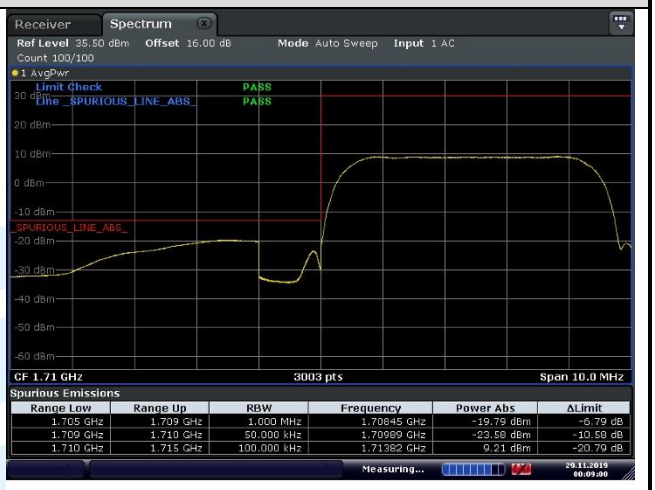
Lowest Channel



Highest Channel

WCDMA Band IV_RMC 12.2kbps

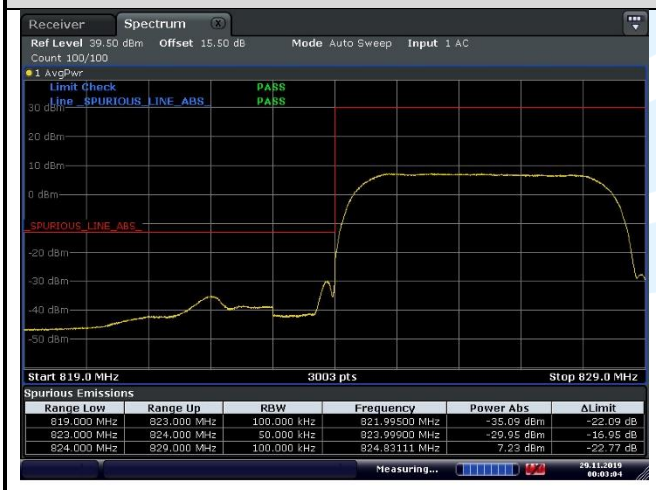
Lowest Channel



Highest Channel

WCDMA Band V_RMC 12.2kbps

Lowest Channel



Highest Channel

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.

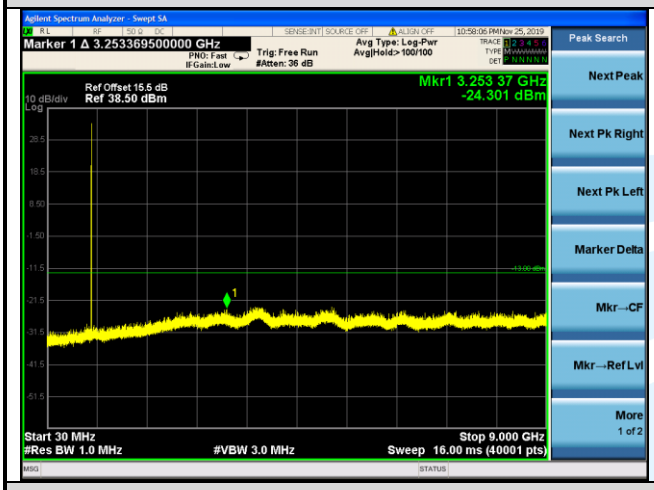
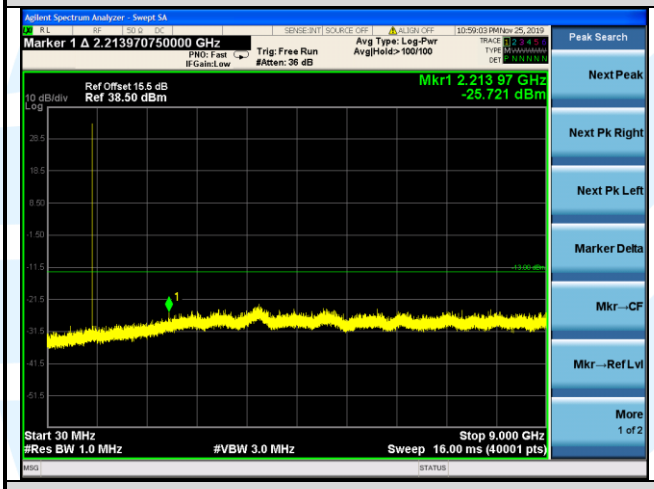
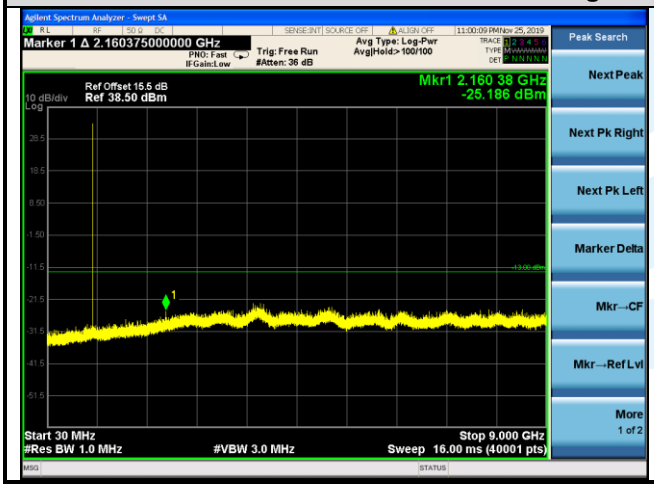
Test Procedure:

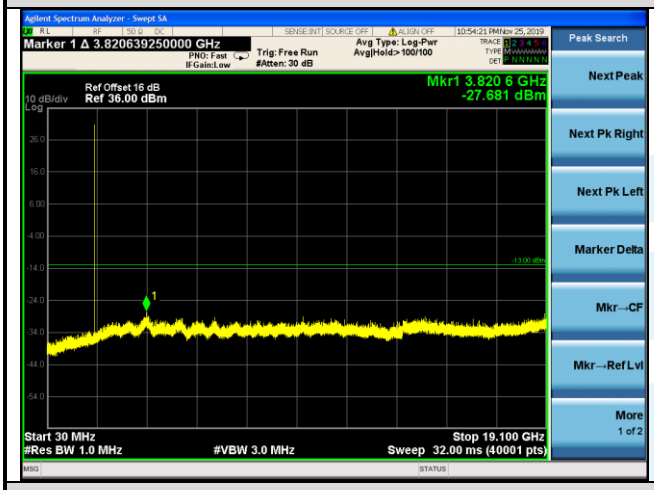
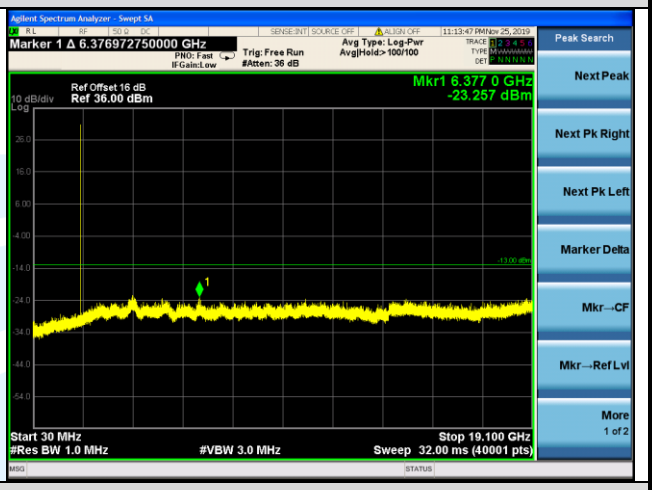
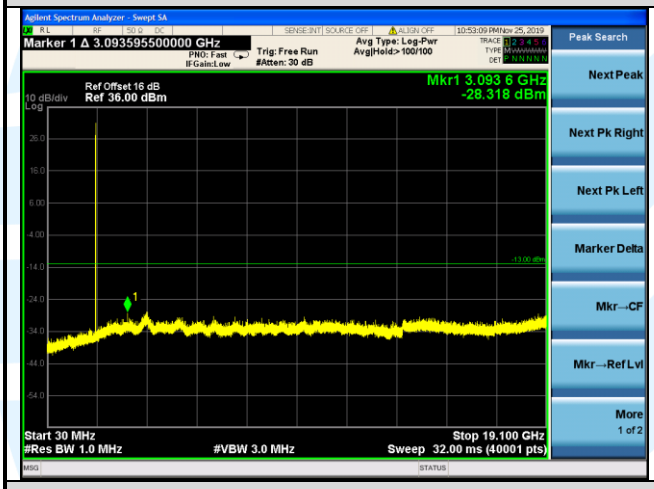
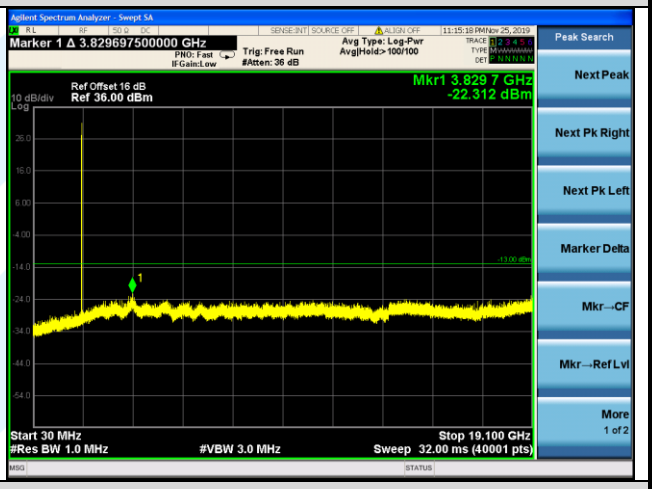
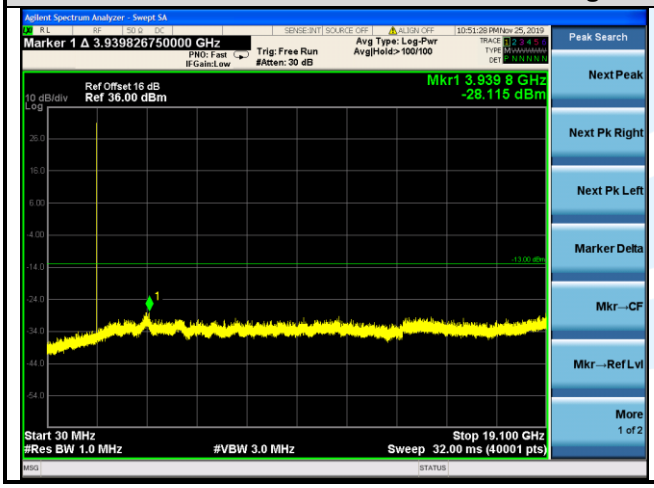
The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range. b. Measuring frequency range is from 30 MHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Set RBW & VBW to 100 kHz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

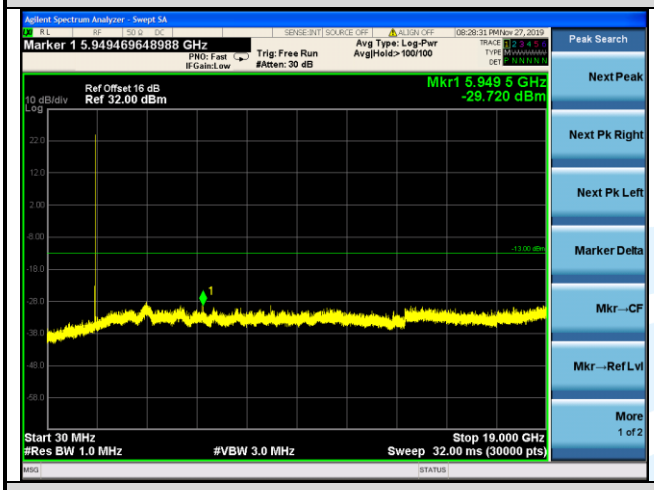
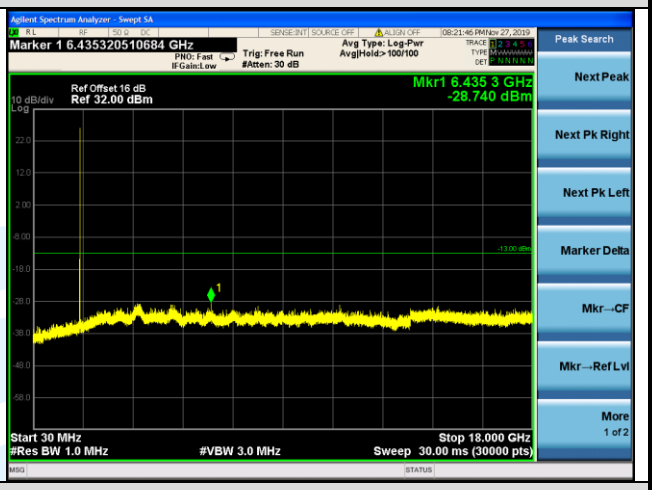
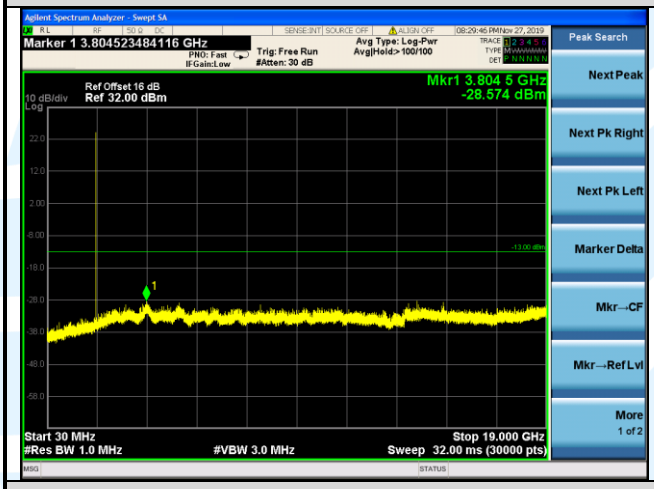
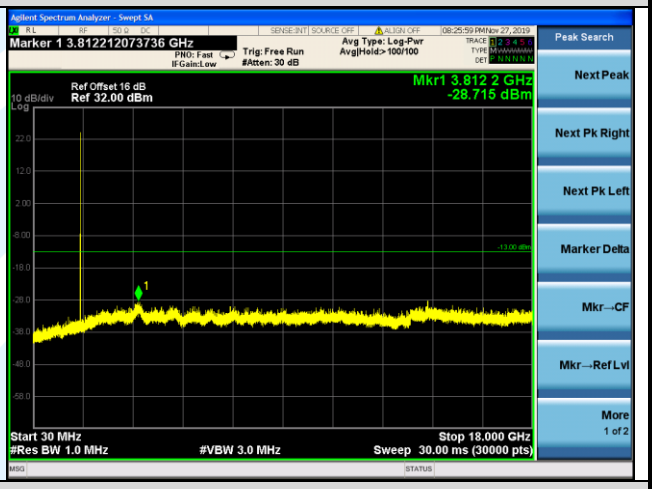
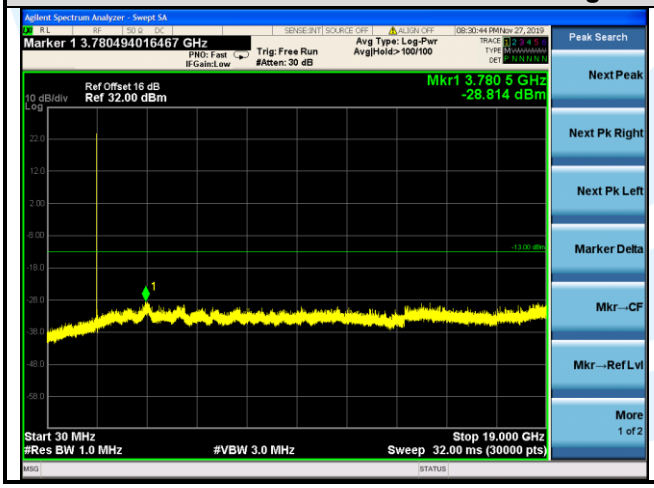
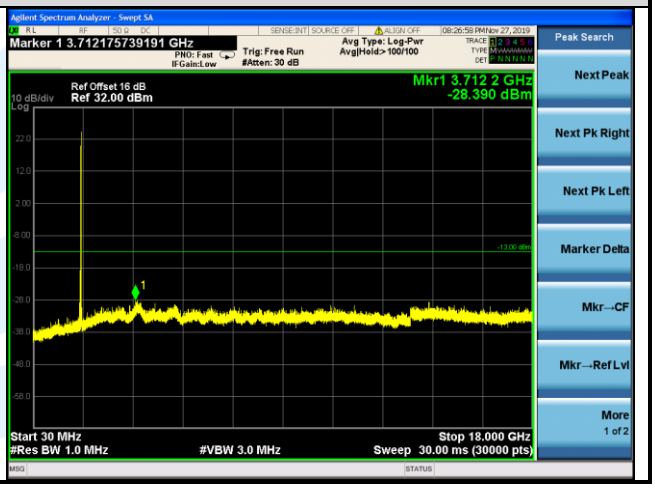
Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

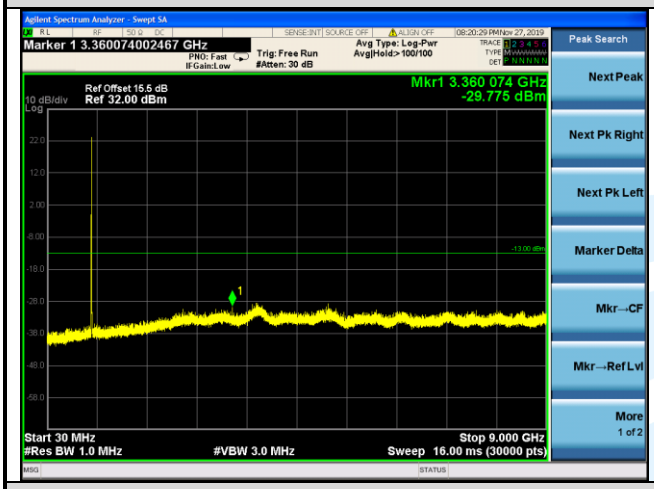
Test Setup:	Refer to section 4.2.2 for details.
Instruments Used:	Refer to section 3 for details
Test Mode:	Link mode
Test Results:	Pass

The test plots as follows:

GSM 850	
GPRS	**EDGE**
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

PCS 1900	
GPRS	EDGE
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

WCDMA Band II_RMC 12.2kbps	WCDMA Band IV_RMC 12.2kbps
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

WCDMA Band V_RMC 12.2kbps	
Lowest Channel	Middle Channel
	
Highest Channel	
	

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:

5.8.1 Radiated Emission Test Data (30 MHz to 1 GHz)

GSM 850							
No.	Frequency (MHz)	SA Reading (Bm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
GSM _ Lowest Channel							
1	97.002	-85.63	26.45	-59.18	-13.00	-46.18	Horizontal
2	264.971	-88.65	29.91	-58.74	-13.00	-45.74	Horizontal
3	979.139	-87.18	44.76	-42.42	-13.00	-29.42	Horizontal
4	32.640	-89.88	32.50	-57.38	-13.00	-44.38	Vertical
5	97.002	-84.74	26.45	-58.29	-13.00	-45.29	Vertical
6	979.139	-86.58	44.76	-41.82	-13.00	-28.82	Vertical
GSM_ Middle Channel							
1	32.184	-89.63	32.91	-56.72	-13.00	-43.72	Horizontal
2	182.578	-88.19	28.03	-60.16	-13.00	-47.16	Horizontal
3	986.044	-88.07	45.16	-42.91	-13.00	-29.91	Horizontal
4	30.425	-91.04	34.16	-56.88	-13.00	-43.88	Vertical
5	97.002	-85.37	26.45	-58.92	-13.00	-45.92	Vertical
6	952.000	-87.25	43.61	-43.64	-13.00	-30.64	Vertical
GSM_ Highest Channel							
1	36.524	-88.91	29.76	-59.15	-13.00	-46.15	Horizontal
2	97.002	-86.32	26.45	-59.87	-13.00	-46.87	Horizontal
3	938.714	-86.59	43.40	-43.19	-13.00	-30.19	Horizontal
4	31.959	-90.57	33.10	-57.47	-13.00	-44.47	Vertical
5	97.002	-85.65	26.45	-59.20	-13.00	-46.20	Vertical
6	925.613	-85.90	42.95	-42.95	-13.00	-29.95	Vertical

PCS 1900							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
GSM _ Lowest Channel							
1	42.331	-75.00	-1.46	-76.46	-13.00	-63.46	Horizontal
2	54.135	-72.61	-4.21	-76.82	-13.00	-63.82	Horizontal
3	965.474	-81.11	15.50	-65.61	-13.00	-52.61	Horizontal
4	42.035	-76.43	-1.28	-77.71	-13.00	-64.71	Vertical
5	162.020	-78.86	-0.88	-79.74	-13.00	-66.74	Vertical
6	945.334	-81.22	14.62	-66.60	-13.00	-53.60	Vertical
GSM _ Middle Channel							
1	41.448	-77.49	-1.12	-78.61	-13.00	-65.61	Horizontal
2	54.135	-74.39	-4.21	-78.60	-13.00	-65.60	Horizontal
3	965.474	-82.18	15.50	-66.68	-13.00	-53.68	Horizontal
4	43.845	-76.51	-2.36	-78.87	-13.00	-65.87	Vertical
5	128.486	-78.46	-2.03	-80.49	-13.00	-67.49	Vertical
6	965.474	-82.65	15.50	-67.15	-13.00	-54.15	Vertical
GSM_ Highest Channel							
1	54.135	-73.44	-4.21	-77.65	-13.00	-64.65	Horizontal
2	214.606	-78.68	-0.60	-79.28	-13.00	-66.28	Horizontal
3	992.997	-82.07	16.77	-65.30	-13.00	-52.30	Horizontal
4	34.285	-78.38	2.26	-76.12	-13.00	-63.12	Vertical
5	127.586	-77.18	-2.00	-79.18	-13.00	-66.18	Vertical
6	952.000	-81.91	14.79	-67.12	-13.00	-54.12	Vertical

WCDMA Band II							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	33.807	-78.65	2.61	-76.04	-13.00	-63.04	Horizontal
2	127.586	-77.60	-2.00	-79.60	-13.00	-66.60	Horizontal
3	684.226	-80.66	9.56	-71.10	-13.00	-58.10	Horizontal
4	34.045	-79.15	2.42	-76.73	-13.00	-63.73	Vertical
5	125.806	-78.06	-1.94	-80.00	-13.00	-67.00	Vertical
6	776.485	-81.18	10.83	-70.35	-13.00	-57.35	Vertical
RMC 12.2kbps_ Middle Channel							
1	41.448	-76.64	-1.12	-77.76	-13.00	-64.76	Horizontal
2	54.135	-73.83	-4.21	-78.04	-13.00	-65.04	Horizontal
3	734.037	-80.41	10.03	-70.38	-13.00	-57.38	Horizontal
4	41.448	-77.62	-1.12	-78.74	-13.00	-65.74	Vertical
5	125.806	-78.45	-1.94	-80.39	-13.00	-67.39	Vertical
6	578.036	-81.57	7.44	-74.13	-13.00	-61.13	Vertical
RMC 12.2kbps_ Highest Channel							
1	51.900	-73.85	-3.73	-77.58	-13.00	-64.58	Horizontal
2	124.925	-77.47	-1.92	-79.39	-13.00	-66.39	Horizontal
3	754.963	-81.03	10.54	-70.49	-13.00	-57.49	Horizontal
4	42.035	-76.24	-1.28	-77.52	-13.00	-64.52	Vertical
5	54.135	-75.57	-4.21	-79.78	-13.00	-66.78	Vertical
6	538.811	-79.66	6.70	-72.96	-13.00	-59.96	Vertical

WCDMA Band IV							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	54.135	-73.71	-4.21	-77.92	-13.00	-64.92	Horizontal
2	250.486	-79.61	1.04	-78.57	-13.00	-65.57	Horizontal
3	693.910	-79.80	9.70	-70.10	-13.00	-57.10	Horizontal
4	31.959	-79.50	4.25	-75.25	-13.00	-62.25	Vertical
5	41.448	-75.52	-1.12	-76.64	-13.00	-63.64	Vertical
6	972.283	-82.10	15.70	-66.40	-13.00	-53.40	Vertical
RMC 12.2kbps_ Middle Channel							
1	34.527	-79.16	2.11	-77.05	-13.00	-64.05	Horizontal
2	53.756	-73.23	-4.14	-77.37	-13.00	-64.37	Horizontal
3	815.635	-80.14	11.03	-69.11	-13.00	-56.11	Horizontal
4	30.425	-79.98	5.31	-74.67	-13.00	-61.67	Vertical
5	91.700	-78.07	-2.83	-80.90	-13.00	-67.90	Vertical
6	765.648	-80.41	10.76	-69.65	-13.00	-56.65	Vertical
RMC 12.2kbps_ Highest Channel							
1	42.931	-75.92	-1.82	-77.74	-13.00	-64.74	Horizontal
2	54.135	-73.85	-4.21	-78.06	-13.00	-65.06	Horizontal
3	693.910	-80.63	9.70	-70.93	-13.00	-57.93	Horizontal
4	40.299	-76.79	-0.84	-77.63	-13.00	-64.63	Vertical
5	124.925	-77.14	-1.92	-79.06	-13.00	-66.06	Vertical
6	919.132	-80.92	13.88	-67.04	-13.00	-54.04	Vertical

WCDMA Band V							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	32.184	-88.69	32.91	-55.78	-13.00	-42.78	Horizontal
2	95.649	-86.10	26.34	-59.76	-13.00	-46.76	Horizontal
3	986.044	-86.40	45.16	-41.24	-13.00	-28.24	Horizontal
4	35.762	-88.66	30.17	-58.49	-13.00	-45.49	Vertical
5	97.002	-85.55	26.45	-59.10	-13.00	-46.10	Vertical
6	938.714	-87.00	43.40	-43.60	-13.00	-30.60	Vertical
RMC 12.2kbps_ Middle Channel							
1	32.184	-87.31	32.91	-54.40	-13.00	-41.40	Horizontal
2	97.002	-85.05	26.45	-58.60	-13.00	-45.60	Horizontal
3	965.474	-87.21	44.29	-42.92	-13.00	-29.92	Horizontal
4	36.524	-90.46	29.76	-60.70	-13.00	-47.70	Vertical
5	97.002	-86.74	26.45	-60.29	-13.00	-47.29	Vertical
6	986.044	-88.26	45.16	-43.10	-13.00	-30.10	Vertical
RMC 12.2kbps_ Highest Channel							
1	32.184	-92.19	32.91	-59.28	-13.00	-46.28	Horizontal
2	97.002	-85.66	26.45	-59.21	-13.00	-46.21	Horizontal
3	952.000	-87.22	43.61	-43.61	-13.00	-30.61	Horizontal
4	32.411	-90.62	32.71	-57.91	-13.00	-44.91	Vertical
5	97.002	-85.57	26.45	-59.12	-13.00	-46.12	Vertical
6	965.474	-87.59	44.29	-43.30	-13.00	-30.30	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

5.8.1 Radiated Emission Test Data (Above 1 GHz)

GSM 850							
No.	Frequency (MHz)	SA Reading (Bm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
GSM _ Lowest Channel							
1	1648.400	-63.10	2.39	-60.71	-13.00	-47.71	Horizontal
2	2472.600	-66.05	9.16	-56.89	-13.00	-43.89	Horizontal
3	1648.400	-65.96	4.03	-61.93	-13.00	-48.93	Vertical
4	2472.600	-69.30	11.49	-57.81	-13.00	-44.81	Vertical
GSM_ Middle Channel							
1	1673.200	-66.35	2.59	-63.76	-13.00	-50.76	Horizontal
2	2509.800	-62.81	9.17	-53.64	-13.00	-40.64	Horizontal
3	1673.200	-64.99	4.31	-60.68	-13.00	-47.68	Vertical
4	2509.800	-64.99	11.46	-53.53	-13.00	-40.53	Vertical
GSM_ Highest Channel							
1	1697.600	-65.80	2.78	-63.02	-13.00	-50.02	Horizontal
2	2546.400	-61.09	9.22	-51.87	-13.00	-38.87	Horizontal
3	1697.600	-66.33	4.59	-61.74	-13.00	-48.74	Vertical
4	2546.400	-59.58	11.45	-48.13	-13.00	-35.13	Vertical

PCS 1900							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
GSM _ Lowest Channel							
1	3700.400	-73.04	13.77	-59.27	-13.00	-46.27	Horizontal
2	5550.600	-70.52	16.02	-54.50	-13.00	-41.50	Horizontal
3	3700.400	-72.22	15.13	-57.09	-13.00	-44.09	Vertical
4	5550.600	-69.28	16.91	-52.37	-13.00	-39.37	Vertical
GSM _ Middle Channel							
1	3760.000	-72.39	13.87	-58.52	-13.00	-45.52	Horizontal
2	5640.000	-69.35	16.10	-53.25	-13.00	-40.25	Horizontal
3	3760.000	-71.82	15.28	-56.54	-13.00	-43.54	Vertical
4	5640.000	-70.49	16.97	-53.52	-13.00	-40.52	Vertical
GSM_ Highest Channel							
1	3819.600	-72.17	13.98	-58.19	-13.00	-45.19	Horizontal
2	5729.400	-68.76	16.37	-52.39	-13.00	-39.39	Horizontal
3	3819.600	-69.37	15.44	-53.93	-13.00	-40.93	Vertical
4	5729.400	-69.51	17.23	-52.28	-13.00	-39.28	Vertical

WCDMA Band II							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	3704.800	-70.64	13.78	-56.86	-13.00	-43.86	Horizontal
2	5557.200	-69.06	16.01	-53.05	-13.00	-40.05	Horizontal
3	3704.800	-71.06	15.14	-55.92	-13.00	-42.92	Vertical
4	5557.200	-69.72	16.90	-52.82	-13.00	-39.82	Vertical
RMC 12.2kbps_ Middle Channel							
1	3760.000	-69.35	13.87	-55.48	-13.00	-42.48	Horizontal
2	5640.000	-69.46	16.10	-53.36	-13.00	-40.36	Horizontal
3	3760.000	-65.83	15.28	-50.55	-13.00	-37.55	Vertical
4	5640.000	-70.11	16.97	-53.14	-13.00	-40.14	Vertical
RMC 12.2kbps_ Highest Channel							
1	3815.200	-70.44	13.97	-56.47	-13.00	-43.47	Horizontal
2	5722.800	-68.59	16.35	-52.24	-13.00	-39.24	Horizontal
3	3815.200	-69.93	15.43	-54.50	-13.00	-41.50	Vertical
4	5722.800	-67.42	17.21	-50.21	-13.00	-37.21	Vertical

WCDMA Band IV							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	3424.800	-69.64	12.45	-57.19	-13.00	-44.19	Horizontal
2	5137.200	-63.57	16.11	-47.46	-13.00	-34.46	Horizontal
3	3424.800	-67.32	13.70	-53.62	-13.00	-40.62	Vertical
4	5137.200	-64.65	17.08	-47.57	-13.00	-34.57	Vertical
RMC 12.2kbps_ Middle Channel							
1	3464.800	-70.12	12.74	-57.38	-13.00	-44.38	Horizontal
2	5197.200	-64.86	16.21	-48.65	-13.00	-35.65	Horizontal
3	3464.800	-67.30	13.97	-53.33	-13.00	-40.33	Vertical
4	5197.200	-64.40	17.17	-47.23	-13.00	-34.23	Vertical
RMC 12.2kbps_ Highest Channel							
1	3505.200	-72.17	13.03	-59.14	-13.00	-46.14	Horizontal
2	5257.800	-69.55	16.20	-53.35	-13.00	-40.35	Horizontal
3	3505.200	-73.79	14.24	-59.55	-13.00	-46.55	Vertical
4	5257.800	-67.55	17.15	-50.40	-13.00	-37.40	Vertical

WCDMA Band V							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	1652.800	-66.71	2.43	-64.28	-13.00	-51.28	Horizontal
2	2479.200	-68.12	9.16	-58.96	-13.00	-45.96	Horizontal
3	1652.800	-66.94	4.08	-62.86	-13.00	-49.86	Vertical
4	2479.200	-65.97	11.48	-54.49	-13.00	-41.49	Vertical
RMC 12.2kbps_ Middle Channel							
1	1672.800	-68.79	2.59	-66.20	-13.00	-53.20	Horizontal
2	2509.200	-68.36	9.17	-59.19	-13.00	-46.19	Horizontal
3	1672.800	-72.99	4.31	-68.68	-13.00	-55.68	Vertical
4	2509.200	-69.14	11.46	-57.68	-13.00	-44.68	Vertical
RMC 12.2kbps_ Highest Channel							
1	1693.200	-73.09	2.75	-70.34	-13.00	-57.34	Horizontal
2	2539.800	-68.59	9.22	-59.37	-13.00	-46.37	Horizontal
3	1693.200	-73.23	4.54	-68.69	-13.00	-55.69	Vertical
4	2539.800	-68.73	11.45	-57.28	-13.00	-44.28	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 – Limi

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 ±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° to + 50°C
   b) Voltage =low voltage, 3.45 Vdc, Normal, 3.85 Vdc and High voltage, 4.35 Vdc.
2) Frequency Stability vs Temperature:

The EUT is place inside a temperature chamber. The temperature is set to 20ºC 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 +50ºC 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 (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
GSM 850							
GSM	190 / 836.6	VL	TN	8	0.0096	± 2.5	Pass
		VN		13	0.0155	± 2.5	Pass
		VH		6	0.0072	± 2.5	Pass
		VN	50	4	0.0048	± 2.5	Pass
			40	-8	-0.0096	± 2.5	Pass
			30	2	0.0024	± 2.5	Pass
			20	7	0.0084	± 2.5	Pass
			10	-12	-0.0143	± 2.5	Pass
			0	11	0.0131	± 2.5	Pass
			-10	9	0.0108	± 2.5	Pass
			-20	-5	-0.0060	± 2.5	Pass
			-30	7	0.0084	± 2.5	Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
PCS 1900							
GSM	661 / 1880.0	VL	TN	-11	-0.0059	N/A	Pass
		VN		-8	-0.0043		Pass
		VH		12	0.0064		Pass
		VN	50	7	0.0037		Pass
			40	-5	-0.0027		Pass
			30	-6	-0.0032		Pass
			20	10	0.0053		Pass
			10	8	0.0043		Pass
			0	-11	-0.0059		Pass
			-10	-8	-0.0043		Pass
			-20	9	0.0048		Pass
			-30	13	0.0069		Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
WCDMA Band II							
RMC 12.2kbps	9400 / 1880.0	VL	TN	-6	-0.0032	N/A	Pass
		VN		15	0.0080		Pass
		VH		2	0.0011		Pass
		VN	50	13	0.0069		Pass
			40	10	0.0053		Pass
			30	-12	-0.0064		Pass
			20	11	0.0059		Pass
			10	-8	-0.0043		Pass
			0	7	0.0037		Pass
			-10	6	0.0032		Pass
			-20	15	0.0080		Pass
			-30	20	0.0106		Pass

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
WCDMA Band IV							
RMC 12.2kbps	1412 / 1732.4	VL	TN	5	0.0029	N/A	Pass
		VN		-8	-0.0046		Pass
		VH		13	0.0075		Pass
		VN	50	4	0.0023		Pass
			40	9	0.0052		Pass
			30	-7	-0.0040		Pass
			20	11	0.0063		Pass
			10	-10	-0.0058		Pass
			0	12	0.0069		Pass
			-10	-7	-0.0040		Pass
			-20	6	0.0035		Pass
			-30	6	0.0035		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
WCDMA Band V							
RMC 12.2kbps	4182 / 836.4	VL	TN	7	0.0084	± 2.5	Pass
		VN		-5	-0.0060	± 2.5	Pass
		VH		11	0.0132	± 2.5	Pass
		VN	50	8	0.0096	± 2.5	Pass
			40	-3	-0.0036	± 2.5	Pass
			30	11	0.0132	± 2.5	Pass
			20	15	0.0179	± 2.5	Pass
			10	11	0.0132	± 2.5	Pass
			0	5	0.0060	± 2.5	Pass
			-10	-4	-0.0048	± 2.5	Pass
			-20	9	0.0108	± 2.5	Pass
			-30	9	0.0108	± 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 ***