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EXHIBIT 6F (Revised)
Transmitter Conducted Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c) (13)

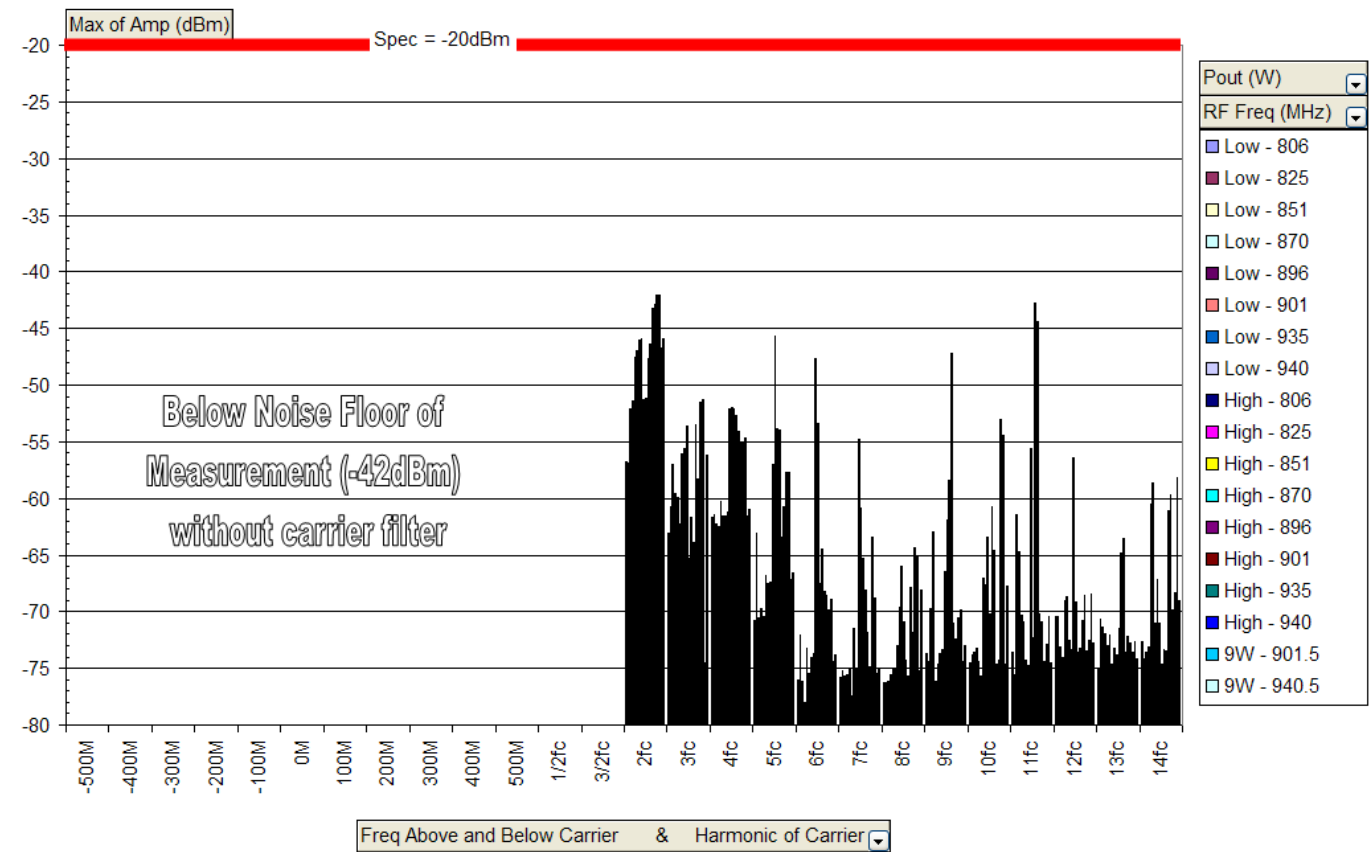


Exhibit 6-G (Revised)**Transmitter Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)**

Exhibit 6G-2

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 815.0125MHz, 25kHz Channel Spacing, High Power (42 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1630.0	H	21.8		-53.8	6.0	2.6	-50.5	-13
1630.0	V	21.8		-54.6	6.0	2.6	-51.3	-13
2445.0	H	17.5	Ambient	-55.9	6.7	3.1	-52.2	-13
2445.0	V	16.7	Ambient	-54.8	6.7	3.1	-51.1	-13
3260.1	H	19.1	Ambient	-50.9	7.0	3.5	-47.4	-13
3260.1	V	17.4	Ambient	-50.9	7.0	3.5	-47.4	-13
4075.1	H	21.8		-37.3	6.9	4.1	-34.4	-13
4075.1	V	24.7		-41.6	6.9	4.1	-38.7	-13
4890.1	H	17.7	Ambient	-46.8	7.9	4.6	-43.6	-13
4890.1	V	17.6	Ambient	-48.0	7.9	4.6	-44.8	-13
5705.1	H	20.7	Ambient	-41.6	8.0	5.1	-38.7	-13
5705.1	V	20.4	Ambient	-43.3	8.0	5.1	-40.4	-13
6520.1	H	21.1	Ambient	-40.3	8.7	5.7	-37.3	-13
6520.1	V	21.8	Ambient	-41.3	8.7	5.7	-38.3	-13
7335.1	H	58.3		-37.1	8.0	6.1	-35.3	-13
7335.1	V	61.9		-35.6	8.0	6.1	-33.8	-13
8150.1	H	46.9	Ambient	-50.1	8.5	6.4	-48.0	-13
8150.1	V	49.8	Ambient	-49.1	8.5	6.4	-47.0	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB.

P = 42 watts, attenuation must be $43 + 10 \log (42) = 59.23$ dB

Therefore the harmonics must be attenuated 59.23dB down from the carrier power.

Since the carrier power is 42 watts or 46.23dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 46.23\text{dBm} - 59.23\text{dB}$)

Checked By: MARK E. LONGINOTTI

Exhibit 6G-5

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 860.0125MHz, 25kHz Channel Spacing, High Power (42 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1720.0	H	18.7		-56.7	6.0	2.7	-53.4	-13
1720.0	V	16.6	Ambient	-59.5	6.0	2.7	-56.2	-13
2580.0	H	19.1	Ambient	-53.9	6.9	3.1	-50.1	-13
2580.0	V	17.5	Ambient	-53.5	6.9	3.1	-49.7	-13
3440.1	H	16.6	Ambient	-53.0	6.9	3.6	-49.7	-13
3440.1	V	16.7	Ambient	-51.4	6.9	3.6	-48.1	-13
4300.1	H	16.4	Ambient	-51.2	7.6	4.2	-47.8	-13
4300.1	V	16.3	Ambient	-51.6	7.6	4.2	-48.2	-13
5160.1	H	17.6	Ambient	-45.4	7.8	4.8	-42.4	-13
5160.1	V	17.8	Ambient	-46.8	7.8	4.8	-43.8	-13
6020.1	H	20.1	Ambient	-42.1	8.5	5.3	-38.9	-13
6020.1	V	20.6	Ambient	-42.9	8.5	5.3	-39.7	-13
6880.1	H	19.4	Ambient	-39.3	8.3	6.0	-37.0	-13
6880.1	V	19.9	Ambient	-41.9	8.3	6.0	-39.6	-13
7740.1	H	46.3	Ambient	-50.4	8.2	6.2	-48.5	-13
7740.1	V	47.0	Ambient	-51.7	8.2	6.2	-49.8	-13
8600.1	H	46.7	Ambient	-50.4	8.6	6.7	-48.5	-13
8600.1	V	46.5	Ambient	-52.2	8.6	6.7	-50.3	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB.

$P = 42$ watts, attenuation must be $43 + 10 \log (42) = 59.23$ dB

Therefore the harmonics must be attenuated 59.23dB down from the carrier power.

Since the carrier power is 42 watts or 46.23dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 46.23\text{dBm} - 59.23\text{dB}$)

Checked By: MARK E. LONGINOTTI

Exhibit 6G-8

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 815.0125MHz, 12.5kHz Channel Spacing, High Power (42 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1630.0	H	21.0		-54.6	6.0	2.6	-51.3	-13
1630.0	V	16.8	Ambient	-59.8	6.0	2.6	-56.5	-13
2445.0	H	17.5	Ambient	-56.0	6.8	3.1	-52.3	-13
2445.0	V	16.4	Ambient	-55.1	6.8	3.1	-51.4	-13
3260.1	H	19.4	Ambient	-50.6	7.0	3.5	-47.1	-13
3260.1	V	17.7	Ambient	-50.7	7.0	3.5	-47.2	-13
4075.1	H	22.2		-36.8	7.0	4.1	-33.9	-13
4075.1	V	25.0		-41.5	7.0	4.1	-38.6	-13
4890.1	H	18.1	Ambient	-46.4	7.8	4.6	-43.2	-13
4890.1	V	18.2	Ambient	-47.4	7.8	4.6	-44.2	-13
5705.1	H	21.3	Ambient	-41.0	8.2	5.1	-37.9	-13
5705.1	V	19.7	Ambient	-44.2	8.2	5.1	-41.1	-13
6520.1	H	21.8	Ambient	-39.6	8.7	5.7	-36.6	-13
6520.1	V	22.0	Ambient	-41.4	8.7	5.7	-38.4	-13
7335.1	H	57.6		-37.8	8.0	6.1	-36.0	-13
7335.1	V	61.5		-35.9	8.0	6.1	-34.1	-13
8150.1	H	47.7	Ambient	-49.2	8.5	6.4	-47.1	-13
8150.1	V	50.2	Ambient	-48.4	8.5	6.4	-46.3	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB.

$P = 42$ watts, attenuation must be $43 + 10 \log (42) = 59.23$ dB

Therefore the harmonics must be attenuated 59.23dB down from the carrier power.

Since the carrier power is 42 watts or 46.23dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 46.23\text{dBm} - 59.23\text{dB}$)

Checked By:

MARK E. LONGINOTTI

Exhibit 6G-11

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 860.0125MHz, 12.5kHz Channel Spacing, High Power (42 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1720.0	H	20.5		-54.7	6.0	2.7	-51.4	-13
1720.0	V	16.7	Ambient	-59.4	6.0	2.7	-56.1	-13
2580.0	H	18.5	Ambient	-54.6	6.9	3.1	-50.8	-13
2580.0	V	18.3	Ambient	-52.7	6.9	3.1	-48.9	-13
3440.1	H	16.3	Ambient	-53.7	6.9	3.6	-50.4	-13
3440.1	V	16.5	Ambient	-51.5	6.9	3.6	-48.2	-13
4300.1	H	16.3	Ambient	-51.3	7.6	4.2	-47.9	-13
4300.1	V	15.8	Ambient	-51.8	7.6	4.2	-48.4	-13
5160.1	H	18.0	Ambient	-45.0	7.8	4.8	-42.0	-13
5160.1	V	18.0	Ambient	-46.6	7.8	4.8	-43.6	-13
6020.1	H	20.3	Ambient	-41.2	8.5	5.3	-38.0	-13
6020.1	V	20.1	Ambient	-43.4	8.5	5.3	-40.2	-13
6880.1	H	19.6	Ambient	-39.1	8.3	6.0	-36.8	-13
6880.1	V	19.4	Ambient	-42.4	8.3	6.0	-40.1	-13
7740.1	H	46.8	Ambient	-50.1	8.2	6.2	-48.2	-13
7740.1	V	47.2	Ambient	-51.4	8.2	6.2	-49.5	-13
8600.1	H	46.5	Ambient	-50.2	8.6	6.7	-48.3	-13
8600.1	V	46.6	Ambient	-52.7	8.6	6.7	-50.8	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB.

$P = 42$ watts, attenuation must be $43 + 10 \log (42) = 59.23$ dB

Therefore the harmonics must be attenuated 59.23dB down from the carrier power.

Since the carrier power is 42 watts or 46.23dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 46.23\text{dBm} - 59.23\text{dB}$)

Checked By:

MARK E. LONGINOTTI

Exhibit 6G-14

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 815.0125MHz, 25kHz Channel Spacing, Low Power (10 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1630.0	H	19.4		-56.3	6.0	2.6	-53.0	-13
1630.0	V	17.4	Ambient	-59.2	6.0	2.6	-55.9	-13
2445.0	H	15.5	Ambient	-57.3	6.8	3.1	-53.6	-13
2445.0	V	16.4	Ambient	-55.1	6.8	3.1	-51.4	-13
3260.1	H	15.4	Ambient	-55.1	7.0	3.5	-51.6	-13
3260.1	V	15.9	Ambient	-52.5	7.0	3.5	-49.0	-13
4075.1	H	16.4	Ambient	-43.2	7.0	4.1	-40.3	-13
4075.1	V	16.8	Ambient	-50.1	7.0	4.1	-47.2	-13
4890.1	H	16.3	Ambient	-48.4	7.8	4.6	-45.2	-13
4890.1	V	16.1	Ambient	-50.1	7.8	4.6	-46.9	-13
5705.1	H	17.6	Ambient	-45.1	8.2	5.1	-42.0	-13
5705.1	V	18.1	Ambient	-45.9	8.2	5.1	-42.8	-13
6520.1	H	18.8	Ambient	-42.7	8.7	5.7	-39.7	-13
6520.1	V	18.2	Ambient	-45.1	8.7	5.7	-42.1	-13
7335.1	H	45.1	Ambient	-51.1	8.0	6.1	-49.3	-13
7335.1	V	44.5	Ambient	-53.1	8.0	6.1	-51.3	-13
8150.1	H	44.8	Ambient	-52.2	8.5	6.4	-50.1	-13
8150.1	V	45.0	Ambient	-53.9	8.5	6.4	-51.8	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB.

P = 10 watts, attenuation must be $43 + 10 \log (10) = 53$ dB

Therefore the harmonics must be attenuated 53dB down from the carrier power.

Since the carrier power is 10 watts or 40dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 40\text{dBm} - 53\text{dB}$)

Checked By: MARK E. LONGINOTTI

Exhibit 6G-17

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 860.0125MHz, 25kHz Channel Spacing, Low Power (10 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1720.0	H	16.0	Ambient	-59.7	6.0	2.7	-56.4	-13
1720.0	V	17.8	Ambient	-58.4	6.0	2.7	-55.1	-13
2580.0	H	16.9	Ambient	-56.4	6.9	3.1	-52.6	-13
2580.0	V	16.5	Ambient	-54.6	6.9	3.1	-50.8	-13
3440.1	H	16.2	Ambient	-53.5	6.9	3.6	-50.2	-13
3440.1	V	16.4	Ambient	-51.6	6.9	3.6	-48.3	-13
4300.1	H	16.2	Ambient	-51.4	7.6	4.2	-48.0	-13
4300.1	V	16.5	Ambient	-51.4	7.6	4.2	-48.0	-13
5160.1	H	18.1	Ambient	-44.9	7.8	4.8	-41.9	-13
5160.1	V	17.7	Ambient	-46.9	7.8	4.8	-43.9	-13
6020.1	H	19.9	Ambient	-41.6	8.5	5.3	-38.4	-13
6020.1	V	20.2	Ambient	-43.3	8.5	5.3	-40.1	-13
6880.1	H	19.6	Ambient	-39.1	8.3	6.0	-36.8	-13
6880.1	V	19.3	Ambient	-42.5	8.3	6.0	-40.2	-13
7740.1	H	46.2	Ambient	-50.7	8.2	6.2	-48.8	-13
7740.1	V	46.9	Ambient	-52.0	8.2	6.2	-50.1	-13
8600.1	H	46.2	Ambient	-50.5	8.6	6.7	-48.6	-13
8600.1	V	47.7	Ambient	-50.8	8.6	6.7	-48.9	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB.

P = 10 watts, attenuation must be $43 + 10 \log (10) = 53$ dB

Therefore the harmonics must be attenuated 53dB down from the carrier power.

Since the carrier power is 10 watts or 40dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 40\text{dBm} - 53\text{dB}$)

Checked By: MARK E. LONGINOTTI

Exhibit 6G-20

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 815.0125MHz, 12.5kHz Channel Spacing, Low Power (10 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1630.0	H	21.0		-54.6	6.0	2.6	-51.3	-13
1630.0	V	16.7	Ambient	-59.9	6.0	2.6	-56.6	-13
2445.0	H	16.5	Ambient	-56.3	6.7	3.1	-52.6	-13
2445.0	V	16.4	Ambient	-55.1	6.7	3.1	-51.4	-13
3260.1	H	16.2	Ambient	-54.1	7.0	3.5	-50.6	-13
3260.1	V	16.0	Ambient	-52.4	7.0	3.5	-48.9	-13
4075.1	H	17.0	Ambient	-42.6	6.9	4.1	-39.7	-13
4075.1	V	17.3	Ambient	-49.2	6.9	4.1	-46.3	-13
4890.1	H	18.2	Ambient	-46.3	7.9	4.6	-43.1	-13
4890.1	V	18.2	Ambient	-47.4	7.9	4.6	-44.2	-13
5705.1	H	20.0	Ambient	-42.3	8.0	5.1	-39.4	-13
5705.1	V	19.5	Ambient	-44.4	8.0	5.1	-41.5	-13
6520.1	H	20.3	Ambient	-41.2	8.7	5.7	-38.2	-13
6520.1	V	20.3	Ambient	-43.1	8.7	5.7	-40.1	-13
7335.1	H	46.9	Ambient	-49.1	8.0	6.1	-47.3	-13
7335.1	V	46.9	Ambient	-50.8	8.0	6.1	-49.0	-13
8150.1	H	47.0	Ambient	-49.9	8.5	6.4	-47.8	-13
8150.1	V	47.2	Ambient	-51.8	8.5	6.4	-49.7	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB.

$P = 10$ watts, attenuation must be $43 + 10 \log (10) = 53$ dB

Therefore the harmonics must be attenuated 53dB down from the carrier power.

Since the carrier power is 10 watts or 40dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 40\text{dBm} - 53\text{dB}$)

Checked By:

MARK E. LONGINOTTI

Exhibit 6G-23

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 860.0125MHz, 12.5kHz Channel Spacing, Low Power (10 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1720.0	H	18.8		-56.6	6.0	2.7	-53.3	-13
1720.0	V	16.5	Ambient	-59.6	6.0	2.7	-56.3	-13
2580.0	H	16.5	Ambient	-56.9	6.9	3.1	-53.1	-13
2580.0	V	16.4	Ambient	-54.7	6.9	3.1	-50.9	-13
3440.1	H	16.2	Ambient	-53.8	6.9	3.6	-50.5	-13
3440.1	V	15.9	Ambient	-52.1	6.9	3.6	-48.8	-13
4300.1	H	16.8	Ambient	-50.8	7.6	4.2	-47.4	-13
4300.1	V	16.4	Ambient	-51.5	7.6	4.2	-48.1	-13
5160.1	H	17.9	Ambient	-45.1	7.8	4.8	-42.1	-13
5160.1	V	18.0	Ambient	-46.6	7.8	4.8	-43.6	-13
6020.1	H	20.0	Ambient	-41.5	8.5	5.3	-38.3	-13
6020.1	V	20.4	Ambient	-43.1	8.5	5.3	-39.9	-13
6880.1	H	19.2	Ambient	-39.5	8.3	6.0	-37.2	-13
6880.1	V	19.6	Ambient	-42.2	8.3	6.0	-39.9	-13
7740.1	H	46.8	Ambient	-49.8	8.2	6.2	-47.9	-13
7740.1	V	45.9	Ambient	-53.2	8.2	6.2	-51.3	-13
8600.1	H	45.9	Ambient	-51.3	8.6	6.7	-49.4	-13
8600.1	V	46.1	Ambient	-53.2	8.6	6.7	-51.3	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB.

P = 10 watts, attenuation must be $43 + 10 \log (10) = 53$ dB

Therefore the harmonics must be attenuated 53dB down from the carrier power.

Since the carrier power is 10 watts or 40dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 40\text{dBm} - 53\text{dB}$)

Checked By: MARK E. LONGINOTTI

Exhibit 6G-38

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 898.0125MHz, 12.5kHz Channel Spacing, High Power (36 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1796.0	H	17.4	Ambient	-57.2	6.0	2.7	-53.9	-13
1796.0	V	17.6	Ambient	-56.7	6.0	2.7	-53.4	-13
2694.0	H	23.5		-47.8	6.9	3.1	-44.0	-13
2694.0	V	22.0		-47.6	6.9	3.1	-43.8	-13
3592.1	H	18.8	Ambient	-50.4	6.9	3.7	-47.3	-13
3592.1	V	18.3	Ambient	-49.2	6.9	3.7	-46.1	-13
4490.1	H	17.0	Ambient	-49.7	8.1	4.4	-45.9	-13
4490.1	V	16.8	Ambient	-50.7	8.1	4.4	-46.9	-13
5388.1	H	19.8	Ambient	-41.9	8.0	4.9	-38.9	-13
5388.1	V	19.5	Ambient	-44.1	8.0	4.9	-41.1	-13
6286.1	H	20.3	Ambient	-41.3	8.6	5.5	-38.2	-13
6286.1	V	20.3	Ambient	-43.0	8.6	5.5	-39.9	-13
7184.1	H	47.4	Ambient	-49.4	8.0	6.1	-47.5	-13
7184.1	V	46.7	Ambient	-52.6	8.0	6.1	-50.7	-13
8082.1	H	45.5	Ambient	-51.0	8.5	6.4	-48.9	-13
8082.1	V	46.0	Ambient	-52.6	8.5	6.4	-50.5	-13
8980.1	H	45.7	Ambient	-50.0	9.0	7.0	-48.1	-13
8980.1	V	45.6	Ambient	-51.9	9.0	7.0	-50.0	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the center of the authorized bandwidth by a displacement frequency of more than 15 kHz must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB, or 70 dB, whichever is the lesser attenuation.

$P = 36$ watts, attenuation must be $43 + 10 \log (36) = 58.56$ dB

Therefore the harmonics must be attenuated 58.56dB down from the carrier power.

Since the carrier power is 36 watts or 45.56dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 45.56\text{dBm} - 58.56\text{dB}$)

Checked By:

MARK E. LONGINOTTI

Exhibit 6G-41

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 937.0125MHz, 12.5kHz Channel Spacing, High Power (36 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1874.0	H	17.9	Ambient	-56.1	6.0	2.8	-52.9	-13
1874.0	V	18.0	Ambient	-56.0	6.0	2.8	-52.8	-13
2811.0	H	23.5		-47.8	7.0	3.2	-44.0	-13
2811.0	V	24.8		-45.0	7.0	3.2	-41.2	-13
3748.1	H	18.6	Ambient	-50.0	6.8	3.9	-47.0	-13
3748.1	V	19.0	Ambient	-48.1	6.8	3.9	-45.1	-13
4685.1	H	17.4	Ambient	-48.0	8.0	4.5	-44.5	-13
4685.1	V	17.0	Ambient	-48.7	8.0	4.5	-45.2	-13
5622.1	H	19.6	Ambient	-41.6	8.2	5.1	-38.5	-13
5622.1	V	19.1	Ambient	-44.3	8.2	5.1	-41.2	-13
6559.1	H	20.5	Ambient	-40.6	8.6	5.7	-37.7	-13
6559.1	V	20.5	Ambient	-42.5	8.6	5.7	-39.6	-13
7496.1	H	48.0	Ambient	-48.9	7.9	6.2	-47.2	-13
7496.1	V	47.2	Ambient	-51.5	7.9	6.2	-49.8	-13
8433.1	H	47.4	Ambient	-48.9	8.5	6.6	-47.0	-13
8433.1	V	46.3	Ambient	-52.3	8.5	6.6	-50.4	-13
9370.1	H	46.9	Ambient	-48.5	9.5	6.9	-45.9	-13
9370.1	V	47.4	Ambient	-50.3	9.5	6.9	-47.7	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the center of the authorized bandwidth by a displacement frequency of more than 15 kHz must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB, or 70 dB, whichever is the lesser attenuation.

$P = 36$ watts, attenuation must be $43 + 10 \log (36) = 58.56$ dB

Therefore the harmonics must be attenuated 58.56dB down from the carrier power.

Since the carrier power is 36 watts or 45.56dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 45.56\text{dBm} - 58.56\text{dB}$)

Checked By:

MARK E. LONGINOTTI

Exhibit 6G-44

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 898.0125MHz, 12.5kHz Channel Spacing, Low Power (10 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1796.0	H	16.7	Ambient	-57.9	6.0	2.7	-54.6	-13
1796.0	V	16.6	Ambient	-57.7	6.0	2.7	-54.4	-13
2694.0	H	17.8	Ambient	-53.9	6.9	3.1	-50.1	-13
2694.0	V	18.2	Ambient	-51.4	6.9	3.1	-47.6	-13
3592.1	H	17.2	Ambient	-52.1	6.9	3.7	-49.0	-13
3592.1	V	16.8	Ambient	-50.6	6.9	3.7	-47.5	-13
4490.1	H	17.2	Ambient	-49.5	8.1	4.4	-45.7	-13
4490.1	V	16.7	Ambient	-50.8	8.1	4.4	-47.0	-13
5388.1	H	19.1	Ambient	-42.6	8.0	4.9	-39.6	-13
5388.1	V	19.1	Ambient	-44.5	8.0	4.9	-41.5	-13
6286.1	H	20.2	Ambient	-41.4	8.6	5.5	-38.3	-13
6286.1	V	20.1	Ambient	-43.2	8.6	5.5	-40.1	-13
7184.1	H	47.6	Ambient	-49.2	8.0	6.1	-47.3	-13
7184.1	V	46.9	Ambient	-52.4	8.0	6.1	-50.5	-13
8082.1	H	47.7	Ambient	-48.5	8.5	6.4	-46.4	-13
8082.1	V	47.1	Ambient	-51.5	8.5	6.4	-49.4	-13
8980.1	H	47.2	Ambient	-48.5	9.0	7.0	-46.6	-13
8980.1	V	47.3	Ambient	-50.2	9.0	7.0	-48.3	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the center of the authorized bandwidth by a displacement frequency of more than 15 kHz must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB, or 70 dB, whichever is the lesser attenuation.

P = 10 watts, attenuation must be $43 + 10 \log (10) = 53$ dB

Therefore the harmonics must be attenuated 53dB down from the carrier power.

Since the carrier power is 10 watts or 40dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 40\text{dBm} - 53\text{dB}$)

Checked By:

MARK E. LONGINOTTI

Exhibit 6G-47

MANUFACTURER : Motorola
 TEST ITEM : Mobile Radio
 MODEL : XPR 4580
 SERIAL NO. : 475TKN0335
 SPECIFICATION : FCC Part 90, Spurious Radiated Emissions
 DATE : September 14 through 16, 2009
 MODE : Tx @ 937.0125MHz, 25kHz Channel Spacing, Low Power (10 Watts)
 NOTES : Test Distance is 3 meters

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Ambient	Matched SIG. GEN. (dB)	Ant Gain (dB)	CBL (dB)	Total* (dBm)	Limit # (dBm)
1874.0	H	17.5	Ambient	-56.5	6.0	2.8	-53.3	-13
1874.0	V	19.8	Ambient	-54.0	6.0	2.8	-50.8	-13
2811.0	H	18.5	Ambient	-52.8	7.0	3.2	-49.0	-13
2811.0	V	20.4	Ambient	-49.7	7.0	3.2	-45.9	-13
3748.1	H	16.7	Ambient	-52.0	6.8	3.9	-49.0	-13
3748.1	V	17.8	Ambient	-49.3	6.8	3.9	-46.3	-13
4685.1	H	17.1	Ambient	-48.3	8.0	4.5	-44.8	-13
4685.1	V	17.6	Ambient	-48.1	8.0	4.5	-44.6	-13
5622.1	H	19.5	Ambient	-41.7	8.2	5.1	-38.6	-13
5622.1	V	19.2	Ambient	-44.2	8.2	5.1	-41.1	-13
6559.1	H	20.8	Ambient	-40.3	8.6	5.7	-37.4	-13
6559.1	V	20.7	Ambient	-42.3	8.6	5.7	-39.4	-13
7496.1	H	47.3	Ambient	-49.6	7.9	6.2	-47.9	-13
7496.1	V	47.0	Ambient	-51.7	7.9	6.2	-50.0	-13
8433.1	H	46.2	Ambient	-50.1	8.5	6.6	-48.2	-13
8433.1	V	46.9	Ambient	-51.7	8.5	6.6	-49.8	-13
9370.1	H	47.0	Ambient	-48.4	9.5	6.9	-45.8	-13
9370.1	V	46.7	Ambient	-51.0	9.5	6.9	-48.4	-13

* ERP = matched signal + antenna gain - cable loss

Limit:

any frequency removed from the center of the authorized bandwidth by a displacement frequency of more than 15 kHz must be attenuated below the unmodulated carrier power (P) by at least $43 + 10 \log (P)$ dB, or 70 dB, whichever is the lesser attenuation.

P = 10 watts, attenuation must be $43 + 10 \log (10) = 53$ dB

Therefore the harmonics must be attenuated 53dB down from the carrier power.

Since the carrier power is 10 watts or 40dBm, the harmonics must be: -13dBm. ($-13\text{dBm} = 40\text{dBm} - 53\text{dB}$)

Checked By:

MARK E. LONGINOTTI