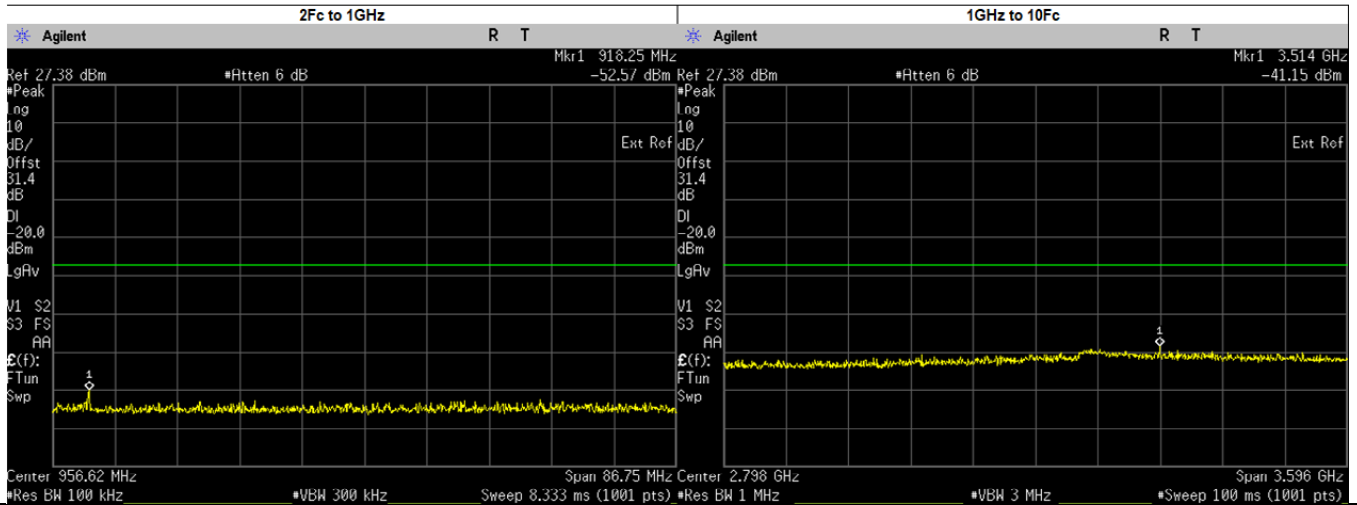
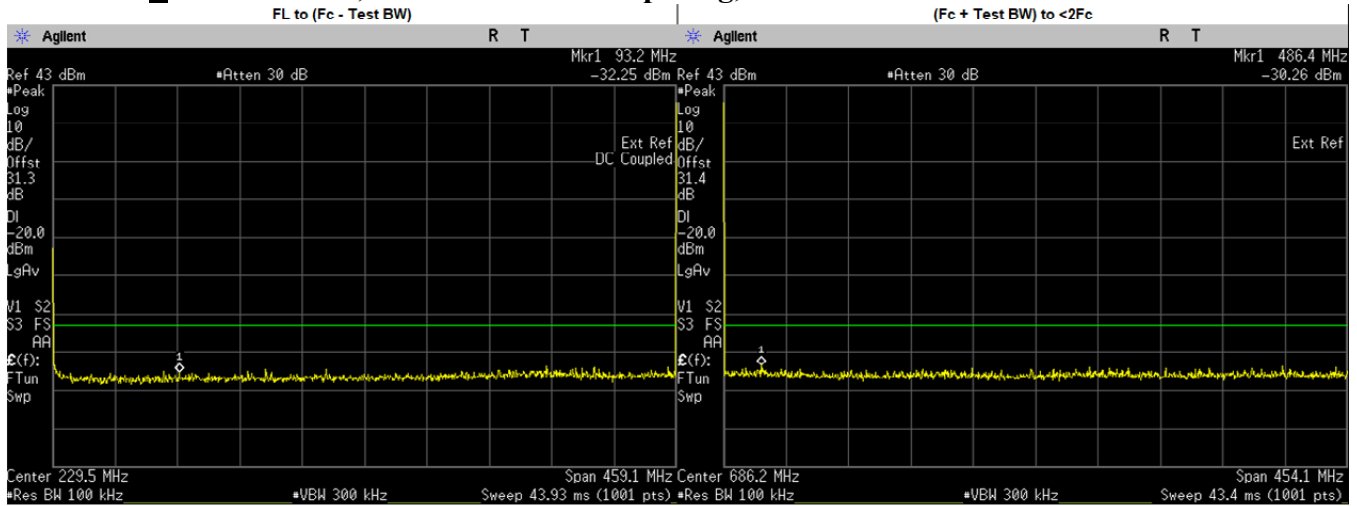
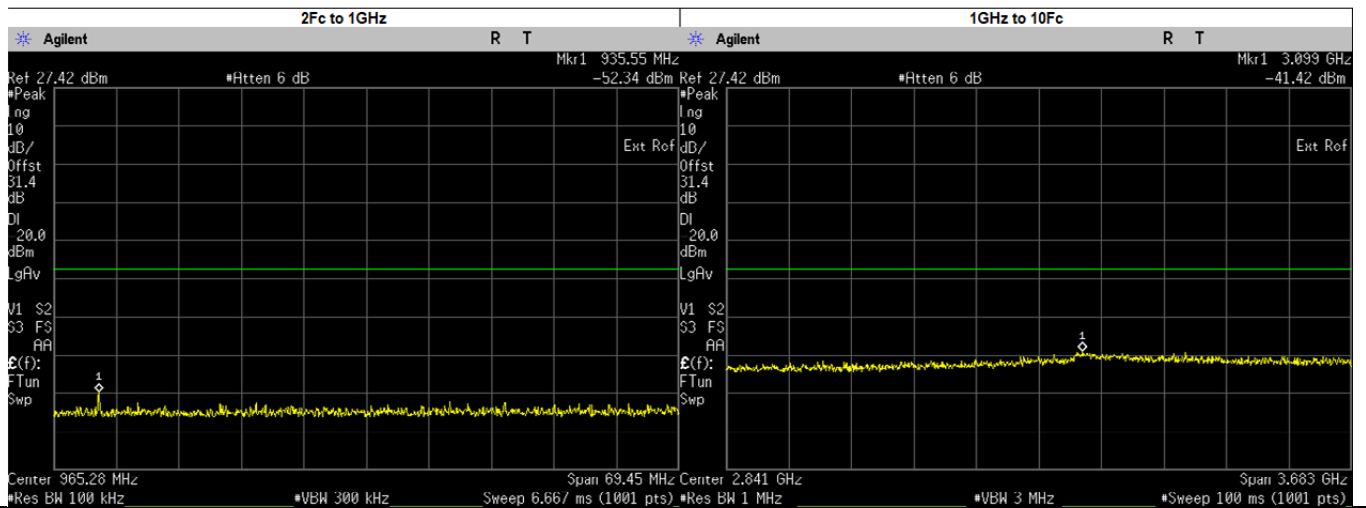
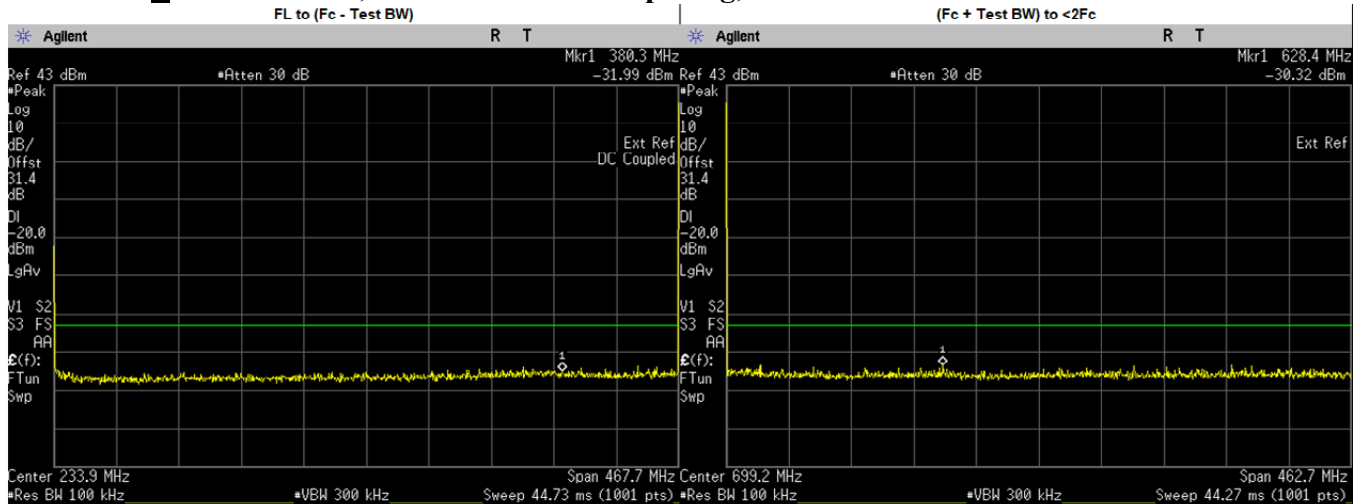


Phase II.: 459.125. MHz, 12.5 kHz Channel Spacing, Max. Power



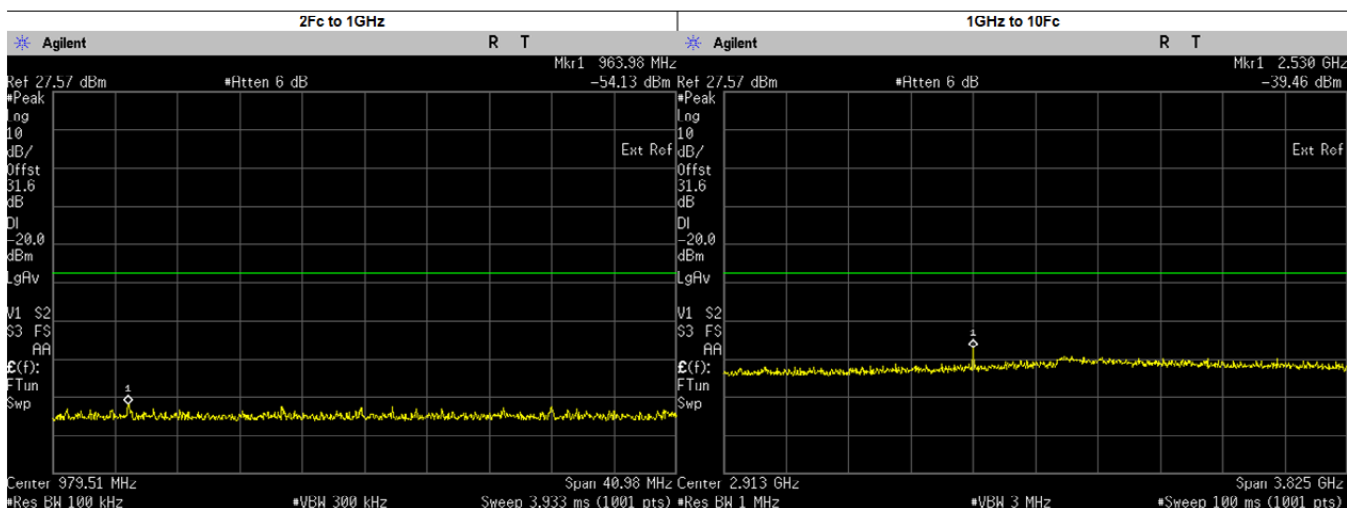
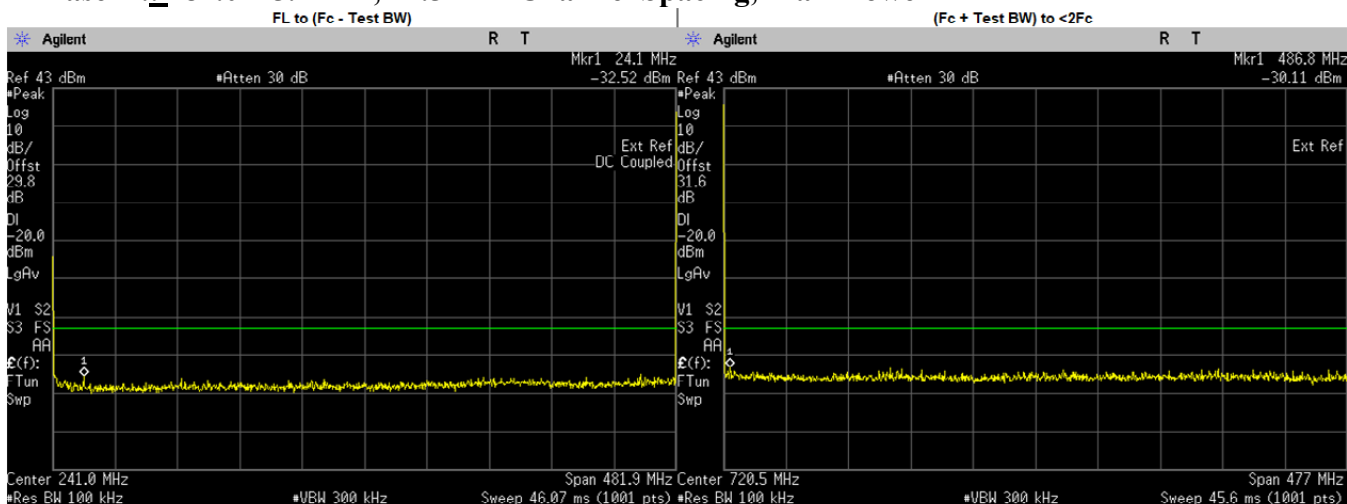
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	93.2000	-32.2530	-20.00	PASS
(Fc + Test BW) to <2Fc	486.4259	-30.2600	-20.00	PASS
2Fc to 1GHz	918.2500	-52.5700	-20.00	PASS
1GHz to 10Fc	3514.0000	-41.1500	-20.00	PASS
	1377.3750	-46.1574	-20.00	PASS
	1836.5000	-45.5931	-20.00	PASS
	2295.6250	-45.3011	-20.00	PASS
	2754.7500	-44.4384	-20.00	PASS
	3213.8750	-42.7878	-20.00	PASS
	3673.0000	-44.4866	-20.00	PASS
	4132.1250	-44.2457	-20.00	PASS
	4591.2500	-44.5028	-20.00	PASS

Phase II.: 467.775. MHz, 12.5 kHz Channel Spacing, Max. Power



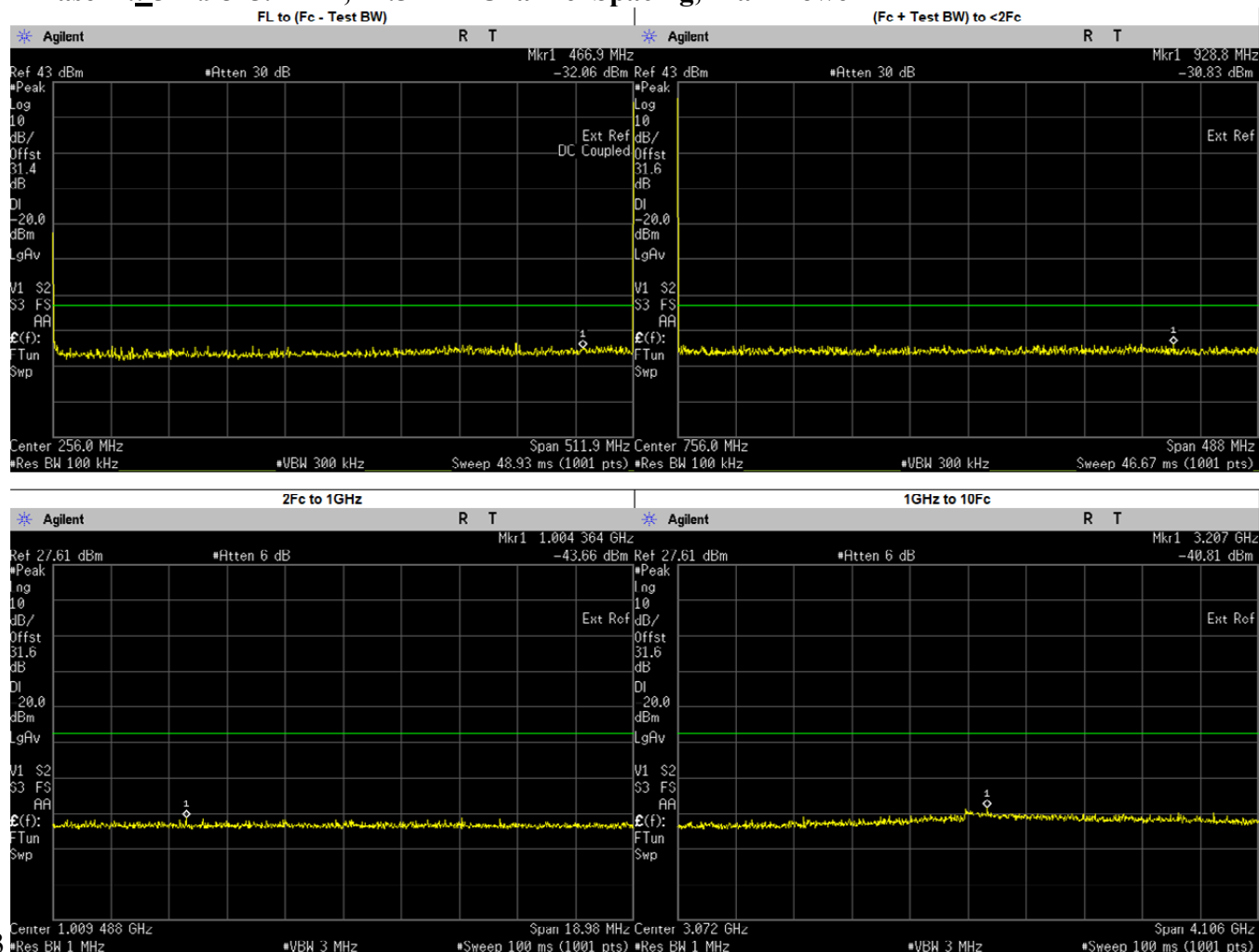
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	380.3000	-31.9920	-20.00	PASS
(Fc + Test BW) to <2Fc	628.4000	-30.3200	-20.00	PASS
2Fc to 1GHz	935.5500	-52.3422	-20.00	PASS
1GHz to 10Fc	3099.1680	-41.4200	-20.00	PASS
	1403.3250	-46.3824	-20.00	PASS
	1871.1000	-45.5197	-20.00	PASS
	2338.8750	-45.1494	-20.00	PASS
	2806.6500	-43.8498	-20.00	PASS
	3274.4250	-43.1060	-20.00	PASS
	3742.2000	-43.5432	-20.00	PASS
	4209.9750	-43.9119	-20.00	PASS
	4677.7500	-44.7797	-20.00	PASS

Phase II.: 482.0125. MHz, 12.5 kHz Channel Spacing, Max. Power



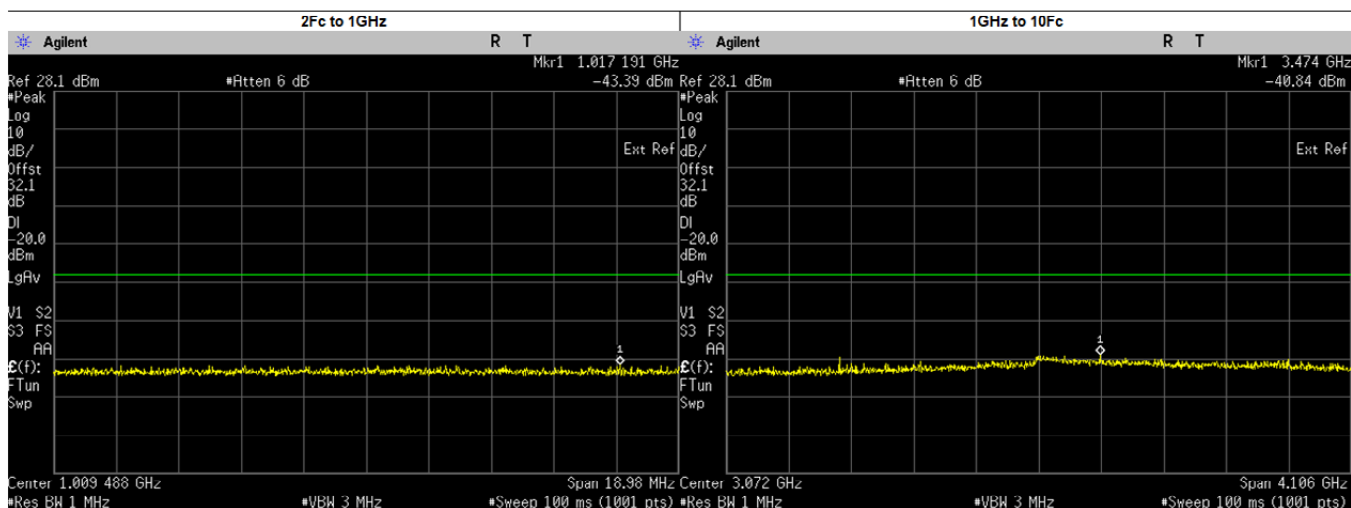
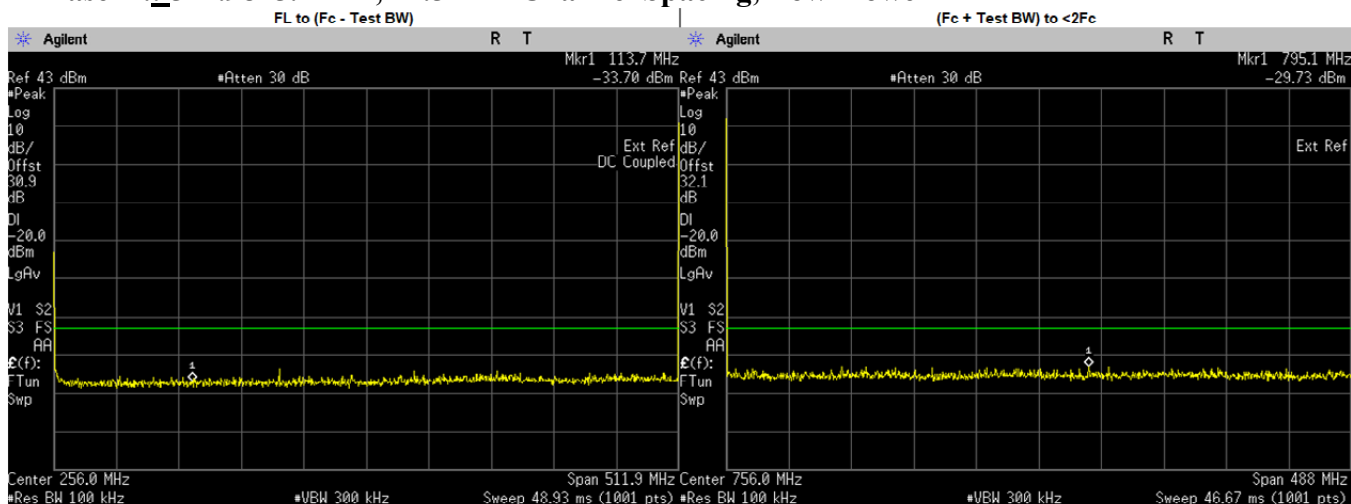
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	24.1000	-32.5200	-20.00	PASS
(Fc + Test BW) to <2Fc	486.8389	-30.1100	-20.00	PASS
2Fc to 1GHz	963.9830	-54.1300	-20.00	PASS
	964.0250	-54.5540	-20.00	PASS
1GHz to 10Fc	2530.0500	-39.4600	-20.00	PASS
	1446.0370	-45.7762	-20.00	PASS
	1928.0500	-45.7172	-20.00	PASS
	2410.0620	-44.4049	-20.00	PASS
	2892.0750	-43.4780	-20.00	PASS
	3374.0880	-42.5778	-20.00	PASS
	3856.1000	-42.8731	-20.00	PASS
	4338.1130	-44.4725	-20.00	PASS
	4820.1250	-44.2632	-20.00	PASS

Phase II.: 511.9875. MHz, 12.5 kHz Channel Spacing, Max. Power



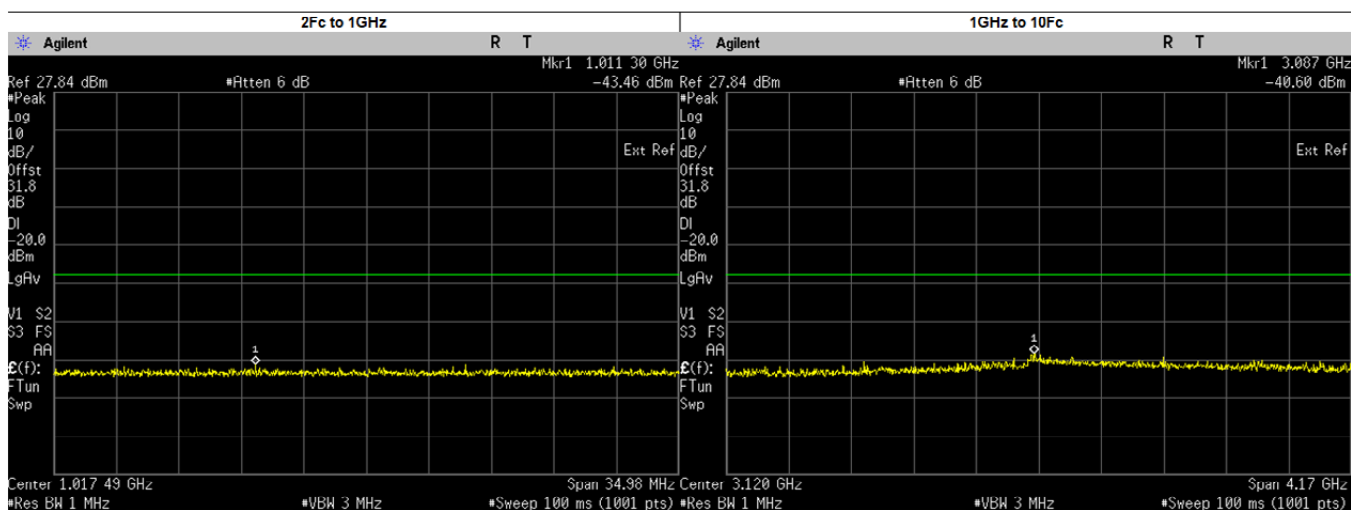
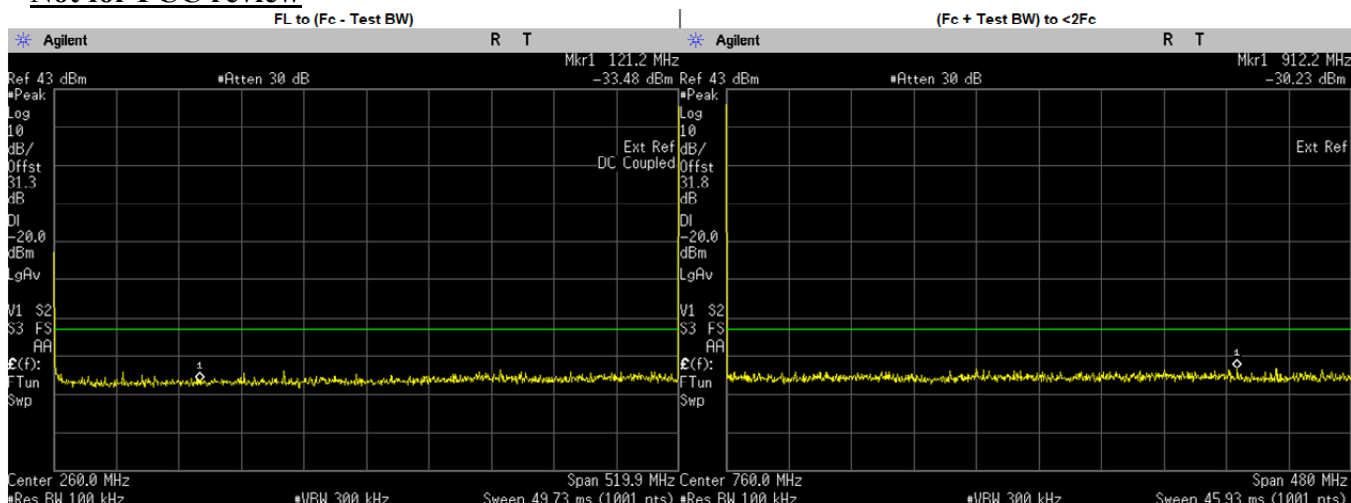
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	466.9000	-32.0590	-20.00	PASS
(Fc + Test BW) to <2Fc	928.8000	-30.8300	-20.00	PASS
2Fc to 1GHz	1004.3640	-43.6600	-20.00	PASS
1GHz to 10Fc	3207.4200	-40.8100	-20.00	PASS
	1023.9750	-45.7335	-20.00	PASS
	1535.9630	-45.3372	-20.00	PASS
	2047.9500	-45.0513	-20.00	PASS
	2559.9370	-44.8266	-20.00	PASS
	3071.9250	-41.8050	-20.00	PASS
	3583.9120	-43.1214	-20.00	PASS
	4095.9000	-44.3684	-20.00	PASS
	4607.8870	-43.5757	-20.00	PASS
	5119.8750	-44.9977	-20.00	PASS

Phase II.: 511.9875. MHz, 12.5 kHz Channel Spacing, Low. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	113.7000	-33.7040	-20.00	PASS
(Fc + Test BW) to <2Fc	795.1000	-29.7300	-20.00	PASS
2Fc to 1GHz	1017.1910	-43.3900	-20.00	PASS
1GHz to 10Fc	3474.3030	-40.8400	-20.00	PASS
	1023.9750	-45.5572	-20.00	PASS
	1535.9630	-44.5318	-20.00	PASS
	2047.9500	-44.8706	-20.00	PASS
	2559.9370	-44.0839	-20.00	PASS
	3071.9250	-41.7860	-20.00	PASS
	3583.9120	-43.2225	-20.00	PASS
	4095.9000	-43.4865	-20.00	PASS
	4607.8870	-43.4215	-20.00	PASS
	5119.8750	-44.7214	-20.00	PASS

Phase II.: 519.9875. MHz, 12.5 kHz Channel Spacing, Max. Power **Not for FCC review**



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	121.2000	-33.4780	-20.00	PASS
(Fc + Test BW) to <2Fc	912.2000	-30.2300	-20.00	PASS
2Fc to 1GHz	1011.3000	-43.4600	-20.00	PASS
1GHz to 10Fc	3087.0000	-40.6000	-20.00	PASS
	1039.9750	-45.9723	-20.00	PASS
	1559.9630	-46.3943	-20.00	PASS
	2079.9500	-44.6345	-20.00	PASS
	2599.9370	-44.2802	-20.00	PASS
	3119.9250	-41.7980	-20.00	PASS
	3639.9120	-43.1134	-20.00	PASS
	4159.9000	-43.6957	-20.00	PASS
	4679.8870	-43.3730	-20.00	PASS
	5199.8750	-43.4109	-20.00	PASS

6.10.4. Test Limit

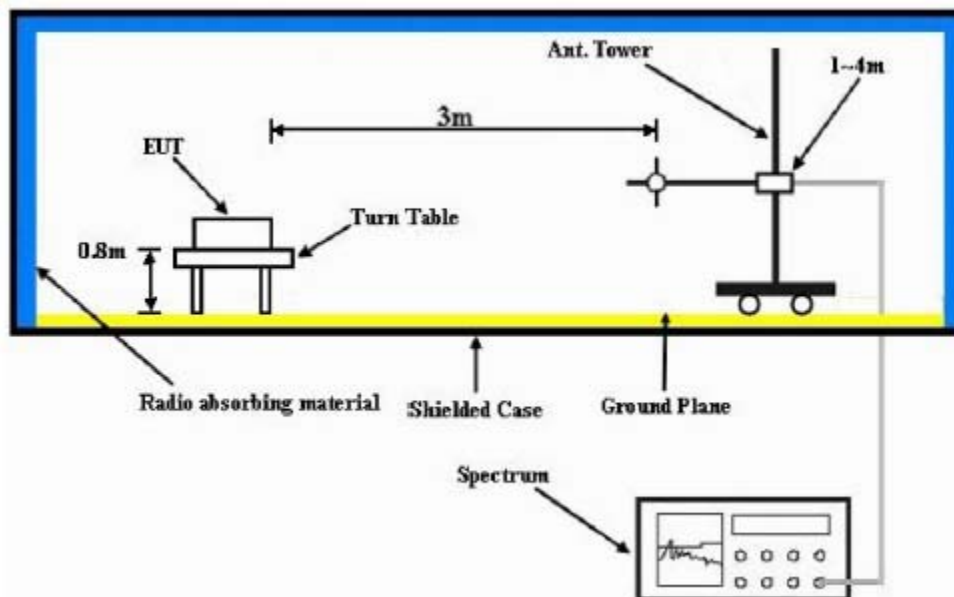
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

Channel Spacing	Part 22	Part 24D	Part 74	Part 80	Part 90 (UHF, VHF, 800, 900)	Part 90 (700)
12.5kHz	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)	Not Applicable	50 + log ₁₀ (P) (-20 dBm)	43 + log ₁₀ (P) (-13 dBm)
25kHz		Not Applicable		43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)

Channel Spacing	RSS 134	RSS 182	RSS 119 (UHF, VHF, 800, 900)	RSS 119 (700)
12.5kHz	43 + log ₁₀ (P) (-13 dBm)	Not Applicable	50 + log ₁₀ (P) (-20 dBm)	43 + log ₁₀ (P) (-13 dBm)
25kHz	Not Applicable	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)

6.11. Radiated Spurious Emission

6.11.1. Test Setup



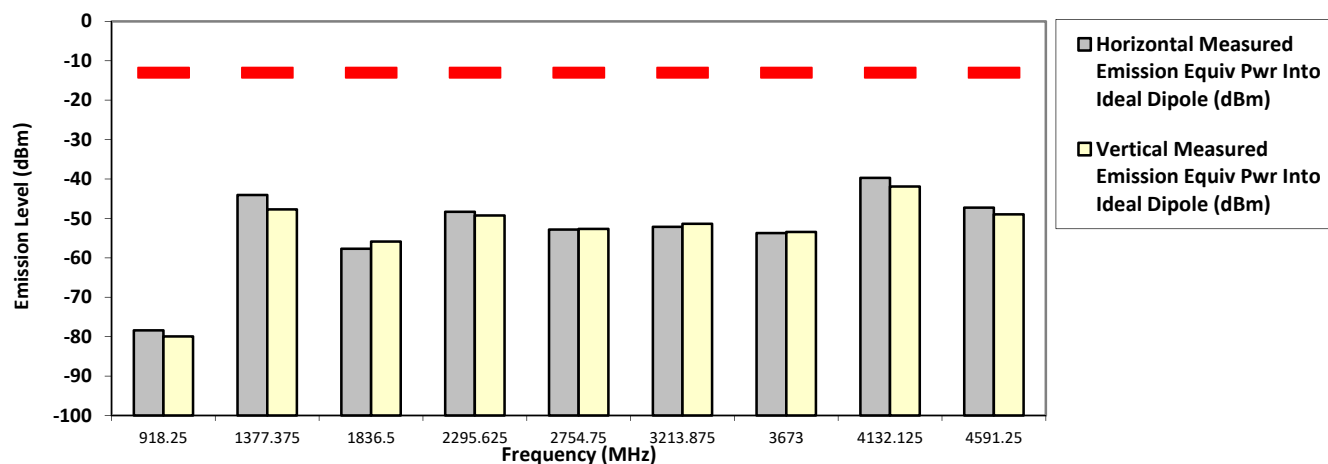
- 1) The Resolution Bandwidth for scanning Radiated Emission below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector mode is positive peak.
- 2) In the semi- anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height (for $F_c < 1\text{GHz}$) or 1.5m height (for $F_c > 1\text{GHz}$) of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
- 3) The substitution antenna is substituted for DUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.
- 4) Final Radiated Spurious Emission = “Read Value” + Measured substitution value.

6.11.2. Test Result (Analog)

SAC Transmitter Radiated Emission:
Model Number: H84SDH9PW7AN S/N: 837TXD1466 SR:02118-EMC-00021
Battery Part No: PMNN4448B Accy Part No: NA
Test Mode: TX Analog
459.125000 MHz 25 kHz 5.600 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-13.0000	-78.3932 **	-79.9422 **
1377.3750	-13.0000	-44.0600 *	-47.7200 *
1836.5000	-13.0000	-57.6819 **	-55.8612 **
2295.6250	-13.0000	-48.3400 *	-49.2600 *
2754.7500	-13.0000	-52.8244 **	-52.6740 **
3213.8750	-13.0000	-52.1220 **	-51.3749 **
3673.0000	-13.0000	-53.7000 **	-53.4551 **
4132.1250	-13.0000	-39.7300 *	-41.8900 *
4591.2500	-13.0000	-47.2729 **	-48.9750 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin Mon, 29 Mar, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.5 Hum(%RH): 70.3

System MU: 4.03 dB

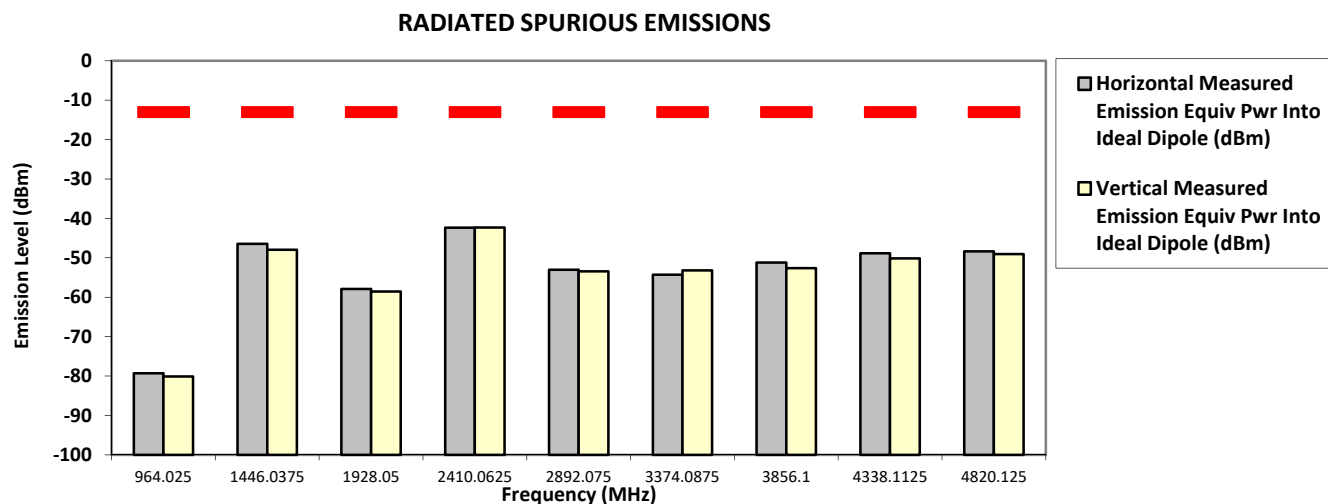
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: H84SDH9PW7AN **S/N: 837TXD1466** **SR:02118-EMC-00021**
Battery Part No: PMNN4448B
Test Mode: TX Analog **Accy Part No: NA**
482.012500 MHz **25 kHz** **5.600 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-13.0000	-79.2824 **	-80.1213 **
1446.0375	-13.0000	-46.4500 *	-47.9500 *
1928.0500	-13.0000	-57.9149 **	-58.5416 **
2410.0625	-13.0000	-42.3400 *	-42.3100 *
2892.0750	-13.0000	-53.0154 **	-53.4182 **
3374.0875	-13.0000	-54.2887 **	-53.1794 **
3856.1000	-13.0000	-51.1839 **	-52.6443 **
4338.1125	-13.0000	-48.8423 **	-50.1383 **
4820.1250	-13.0000	-48.3458 **	-49.0647 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin Mon, 29 Mar, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.5 Hum(%RH): 70.3

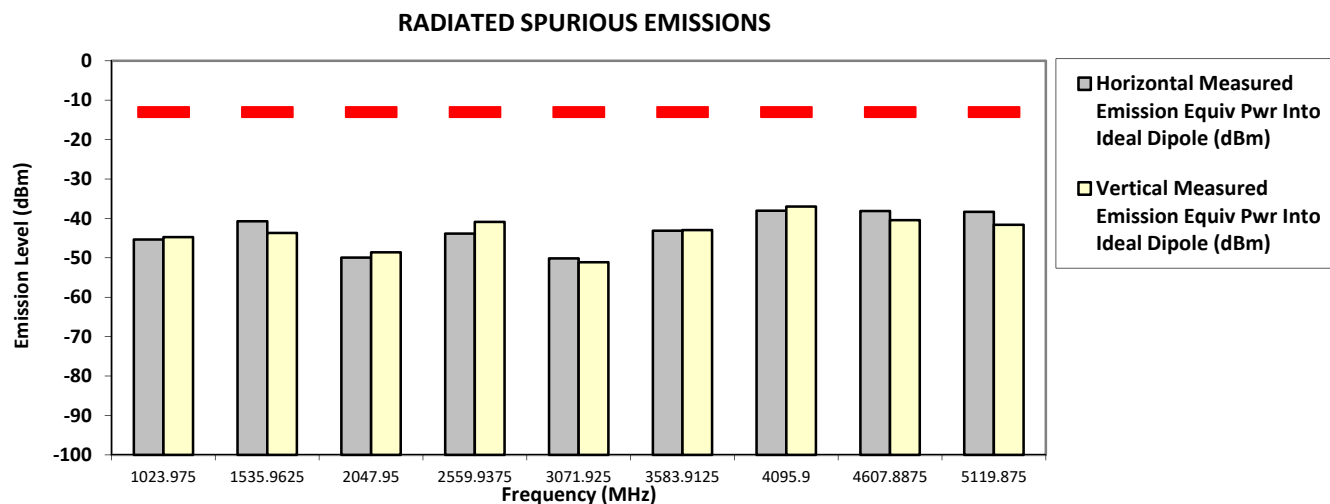
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H84SDH9PW7AN **S/N: 837TXD1466** **SR:02118-EMC-00021**
Battery Part No: PMNN4448B **Accy Part No: NA**
Test Mode: TX Analog
511.987500 MHz **25 kHz** **5.600 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-13.0000	-45.3400 *	-44.7400 *
1535.9625	-13.0000	-40.7100 *	-43.7100 *
2047.9500	-13.0000	-49.9500 *	-48.6200 *
2559.9375	-13.0000	-43.8600 *	-40.8800 *
3071.9250	-13.0000	-50.1646 **	-51.1417 **
3583.9125	-13.0000	-43.1200 *	-42.9800 *
4095.9000	-13.0000	-38.0400 *	-36.9800 *
4607.8875	-13.0000	-38.1300 *	-40.4500 *
5119.8750	-13.0000	-38.3400 *	-41.6100 *



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin Mon, 29 Mar, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.5 Hum(%RH): 70.3

System MU: 4.03 dB

Remarks:

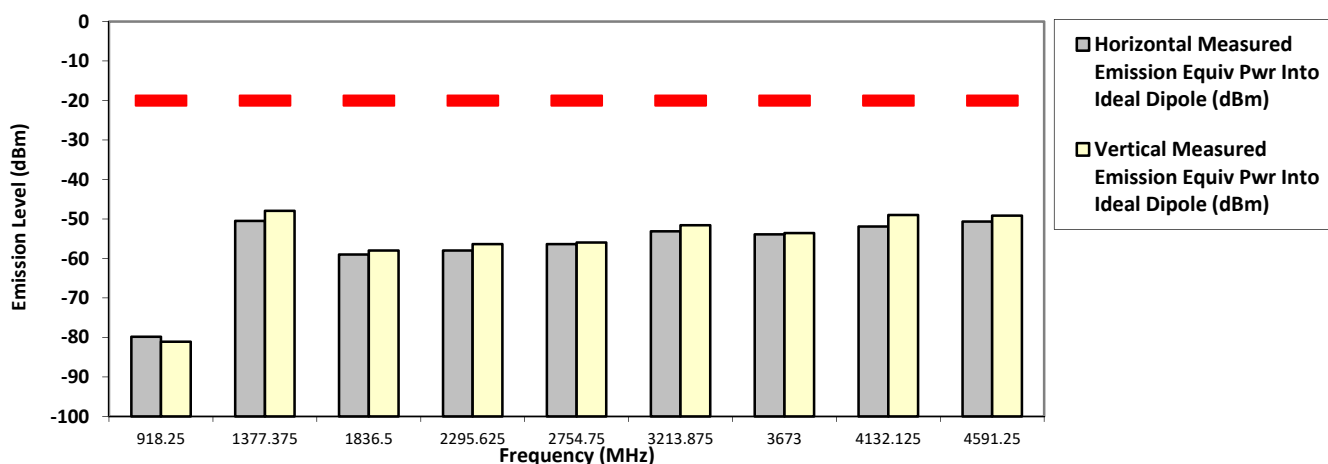
Passed Results	Marginal Results	Failed Results
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6.11.3. Test Result (Digital)

SAC Transmitter Radiated Emission:
Model Number: H84SDH9PW7AN S/N: 837TXD1466 SR:02118-EMC-00021
Battery Part No: PMNN4448B Accy Part No: NA
Test Mode: TX APCO Digital C4FM
459.125000 MHz 12.5 kHz 5.600 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-79.8420 **	-81.0955 **
1377.3750	-20.0000	-50.4800 *	-47.9300 *
1836.5000	-20.0000	-59.0105 **	-57.9776 **
2295.6250	-20.0000	-57.9992 **	-56.3753 **
2754.7500	-20.0000	-56.3713 **	-55.9665 **
3213.8750	-20.0000	-53.1331 **	-51.5932 **
3673.0000	-20.0000	-53.8952 **	-53.5963 **
4132.1250	-20.0000	-51.9049 **	-49.0090 **
4591.2500	-20.0000	-50.6730 **	-49.1724 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin Sat, 10 Apr, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.6 Hum(%RH): 70.3

System MU: 4.03 dB

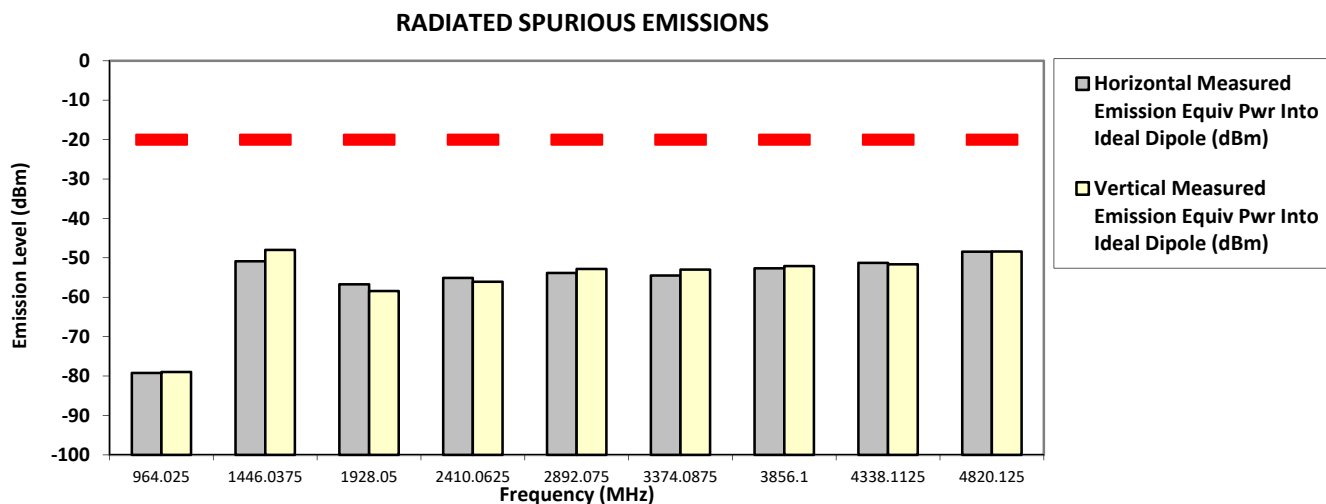
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: H84SDH9PW7AN **S/N: 837TXD1466** **SR:02118-EMC-00021**
Battery Part No: PMNN4448B **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
482.012500 MHz **12.5 kHz** **5.600 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-79.1979 **	-78.9632 **
1446.0375	-20.0000	-50.8800 *	-48.0000 *
1928.0500	-20.0000	-56.7213 **	-58.4459 **
2410.0625	-20.0000	-55.0855 **	-56.0696 **
2892.0750	-20.0000	-53.8331 **	-52.8369 **
3374.0875	-20.0000	-54.5040 **	-53.0060 **
3856.1000	-20.0000	-52.6744 **	-52.1014 **
4338.1125	-20.0000	-51.2918 **	-51.6323 **
4820.1250	-20.0000	-48.4577 **	-48.4073 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin Sat, 10 Apr, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.6 Hum(%RH): 70.3

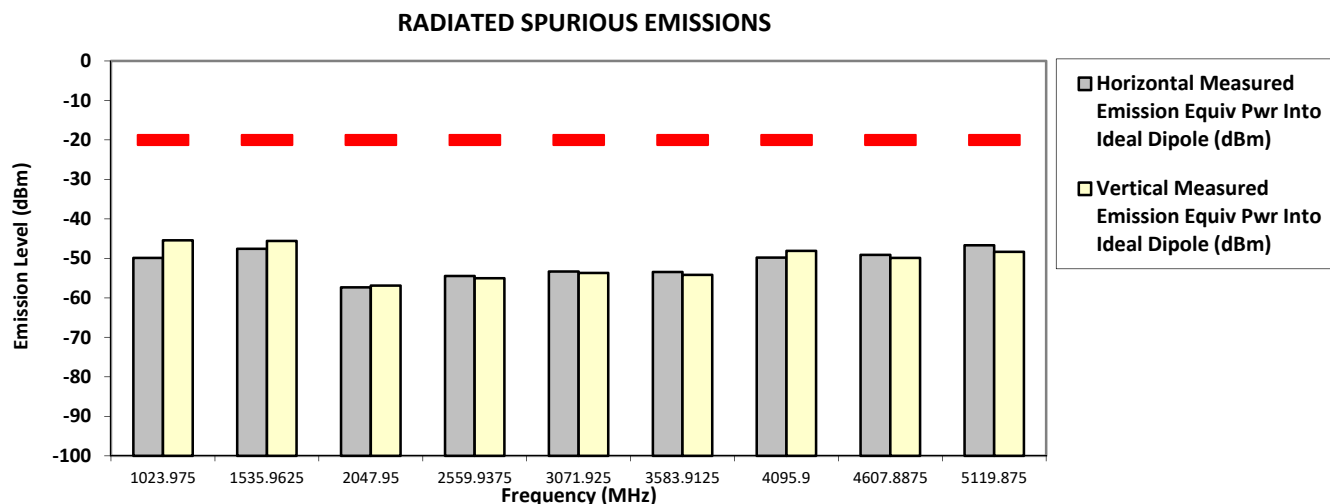
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H84SDH9PW7AN **S/N: 837TXD1466** **SR:02118-EMC-00021**
Battery Part No: PMNN4448B **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
511.987500 MHz **12.5 kHz** **5.600 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-49.8700 *	-45.4400 *
1535.9625	-20.0000	-47.5800 *	-45.5800 *
2047.9500	-20.0000	-57.3426 **	-56.8985 **
2559.9375	-20.0000	-54.4608 **	-55.0476 **
3071.9250	-20.0000	-53.3514 **	-53.6944 **
3583.9125	-20.0000	-53.4574 **	-54.1808 **
4095.9000	-20.0000	-49.8178 **	-48.1189 **
4607.8875	-20.0000	-49.1349 **	-49.9015 **
5119.8750	-20.0000	-46.6715 **	-48.3666 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin Sat, 10 Apr, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.6 Hum(%RH): 70.3

System MU: 4.03 dB

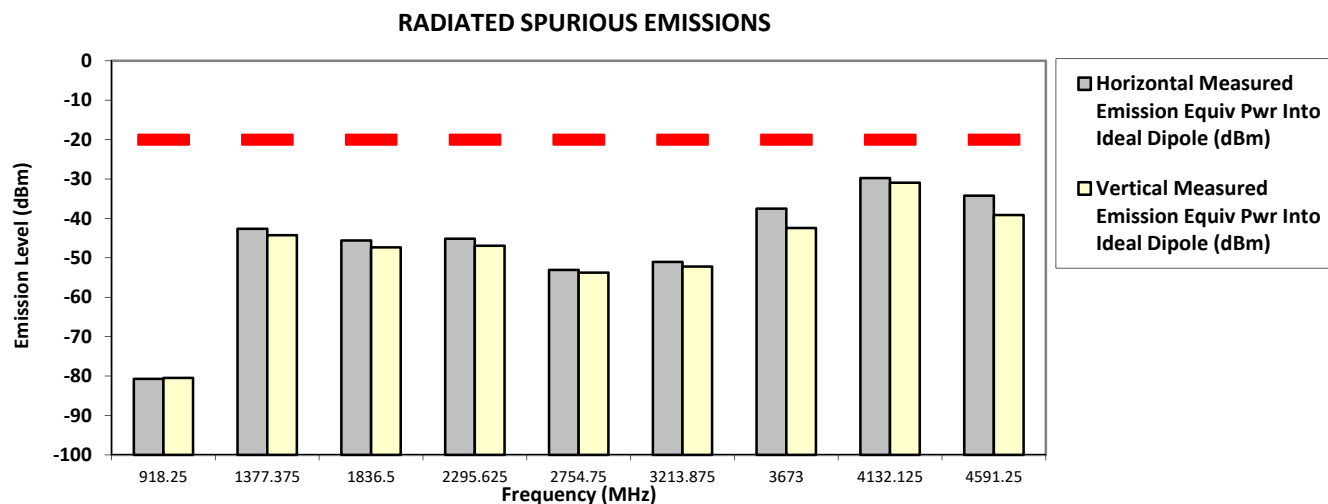
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: H84SDH9PW7AN **S/N: 837TXD1466** **SR:02118-EMC-00021**
Battery Part No: PMNN4448B **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
459.125000 MHz **12.5 kHz** **5.600 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-80.6992 **	-80.4734 **
1377.3750	-20.0000	-42.6300 *	-44.2500 *
1836.5000	-20.0000	-45.6100 *	-47.3300 *
2295.6250	-20.0000	-45.1600 *	-46.9600 *
2754.7500	-20.0000	-53.0534 **	-53.7468 **
3213.8750	-20.0000	-51.0403 **	-52.2187 **
3673.0000	-20.0000	-37.5200	-42.4200 *
4132.1250	-20.0000	-29.7600	-30.9600
4591.2500	-20.0000	-34.2200	-39.1600



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin Mon, 29 Mar, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.5 Hum(%RH): 70.3

System MU: 4.03 dB

Remarks:

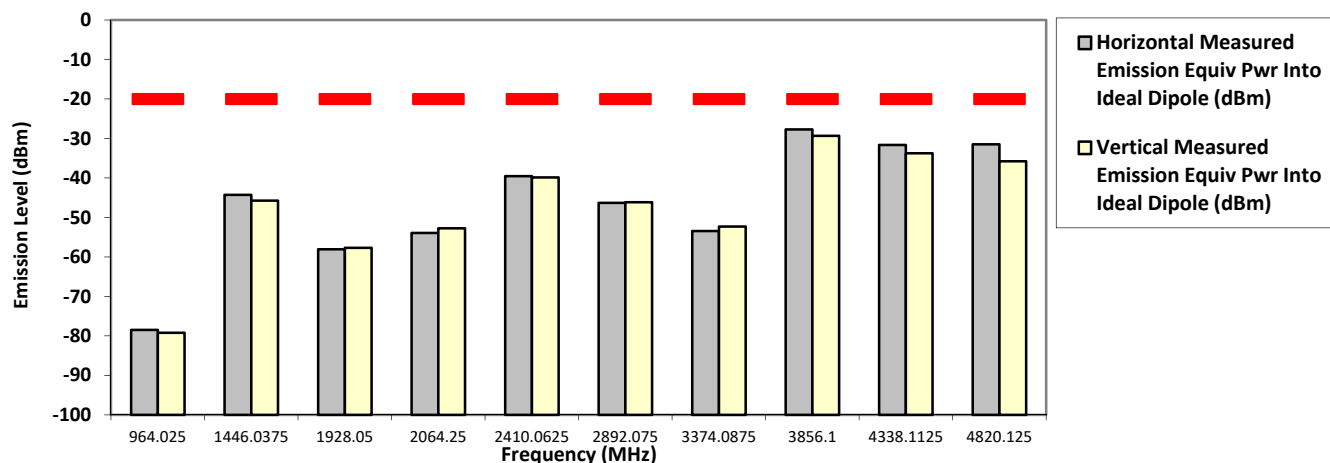
Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: H84SDH9PW7AN **S/N: 837TXD1466** **SR:02118-EMC-00021**
Battery Part No: PMNN4448B **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
482.012500 MHz **12.5 kHz** **5.600 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-78.4787 **	-79.2168 **
1446.0375	-20.0000	-44.2800 *	-45.7700 *
1928.0500	-20.0000	-58.0931 **	-57.7175 **
2064.2500	-20.0000	-53.9300 *	-52.7500 *
2410.0625	-20.0000	-39.5400	-39.8700
2892.0750	-20.0000	-46.3100 *	-46.1500 *
3374.0875	-20.0000	-53.4402 **	-52.3383 **
3856.1000	-20.0000	-27.7200	-29.3600
4338.1125	-20.0000	-31.6500	-33.7700
4820.1250	-20.0000	-31.5100	-35.7700

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin **Mon, 29 Mar, 2021**

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

***Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported**
Temp(Deg): 24.5 Hum(%RH): 70.3

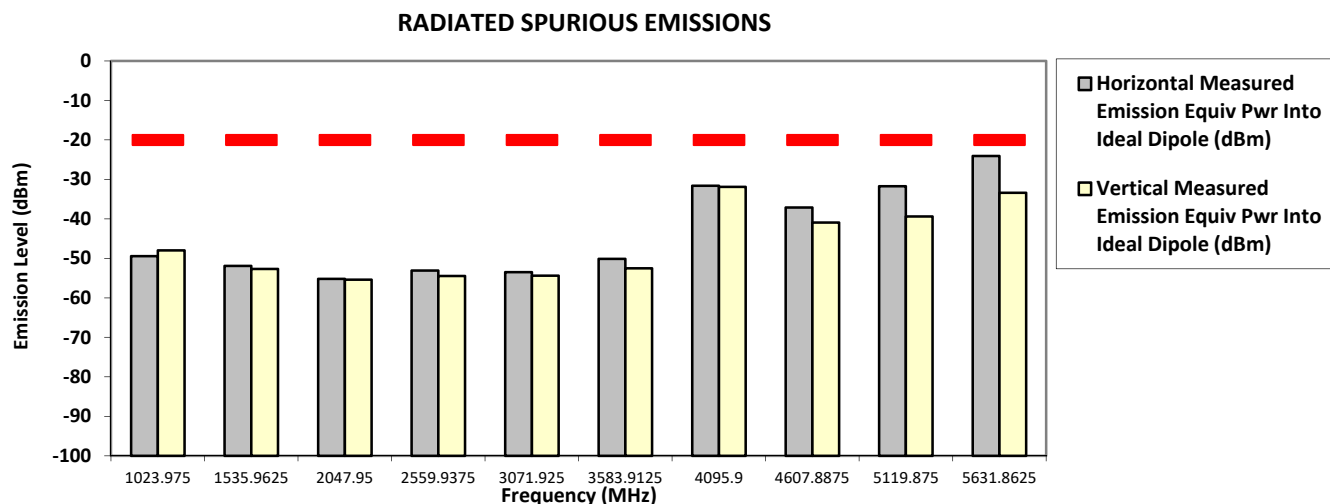
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H84SDH9PW7AN **S/N: 837TXD1466** **SR:02118-EMC-00021**
Battery Part No: PMNN4448B **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
511.987500 MHz **12.5 kHz** **5.600 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-49.4300 *	-48.0000 *
1535.9625	-20.0000	-51.9200 *	-52.7000 *
2047.9500	-20.0000	-55.2087 **	-55.3889 **
2559.9375	-20.0000	-53.0783 **	-54.4540 **
3071.9250	-20.0000	-53.4961 **	-54.3917 **
3583.9125	-20.0000	-50.1194 **	-52.5395 **
4095.9000	-20.0000	-31.6300	-31.9100
4607.8875	-20.0000	-37.1300	-40.9300 *
5119.8750	-20.0000	-31.7400	-39.4100



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Nazrin&Amaluddin Tue, 30 Mar, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.5 Hum(%RH): 70.3

System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

6.11.4. Test Limit

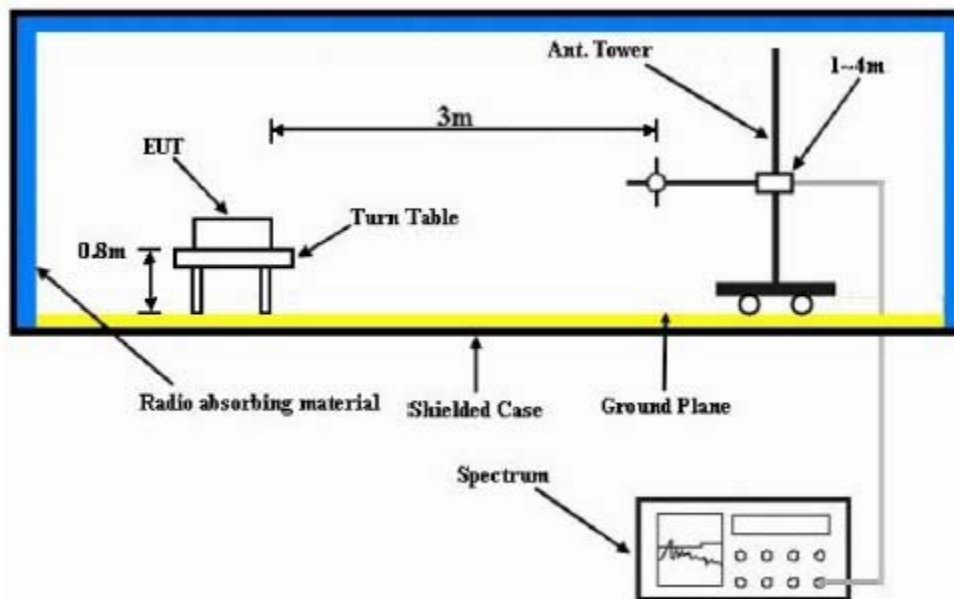
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

Channel Spacing	Part 22	Part 24D	Part 74	Part 80	Part 90 (UHF, VHF, 800, 900)	Part 90 (700)
12.5kHz	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)	Not Applicable	50 + log ₁₀ (P) (-20 dBm)	43 + log ₁₀ (P) (-13 dBm)
25kHz		Not Applicable		43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)

Channel Spacing	RSS 134	RSS 182	RSS 119 (UHF, VHF, 800, 900)	RSS 119 (700)
12.5kHz	43 + log ₁₀ (P) (-13 dBm)	Not Applicable	50 + log ₁₀ (P) (-20 dBm)	43 + log ₁₀ (P) (-13 dBm)
25kHz	Not Applicable	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)	43 + log ₁₀ (P) (-13 dBm)

6.12. Effective Radiated Power (ERP)

6.12.1. Test Setup



- 1) The Resolution Bandwidth for Equivalent Radiated Power (ERP) below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for EIRP above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector Mode is RMS.
- 2) In the semi-anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height (for $F_c < 1\text{GHz}$) or 1.5m (for $F_c > 1\text{GHz}$) of Turn Table, rotated the table 45 degree each interval to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power for each degree interval. The "Read Value" is the spectrum reading of maximum power value.
- 3) The substitution antenna is substituted for DUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the Measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.

6.12.2. Test Result

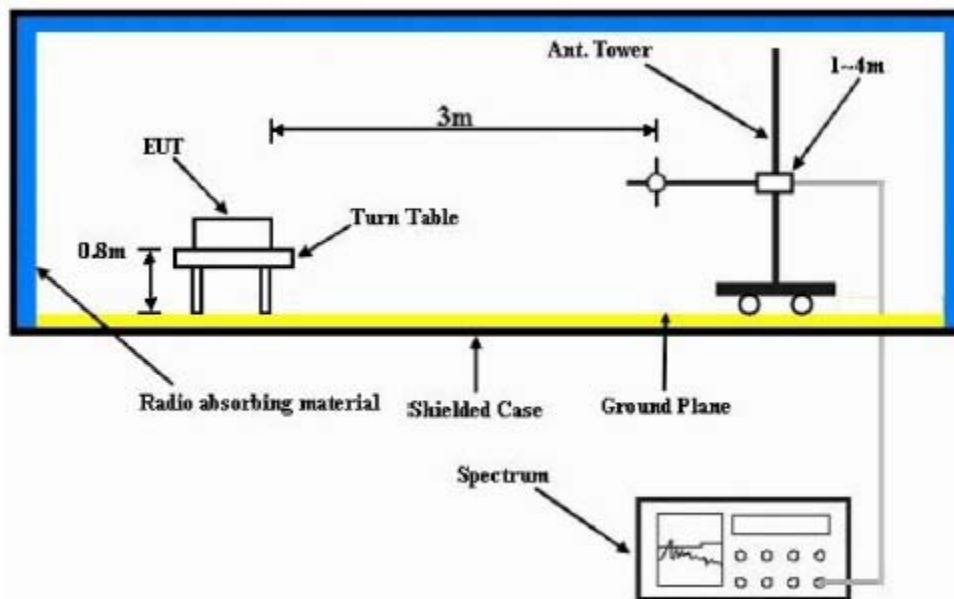
Not Applicable.

6.12.3. Test Limit

The maximum output power of the transmitter for mobile stations is 100 watts (20 dB).
Power is given in terms of effective radiated power (ERP).

6.13. GNSS (EIRP for 1559 - 1610MHz)

6.13.1. Test Setup



- 4) The Resolution Bandwidth for Equivalent Isotropically Radiated Power (EIRP) below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for EIRP above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector Mode is RMS.
- 5) In the semi-anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height of Turn Table, rotated the table 45 degree each interval to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power for each degree interval. The “Read Value” is the spectrum reading of maximum power value.
- 6) The substitution antenna is substituted for DUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the Measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.
- 7) $EIRP = \text{“Read Value”} + \text{Measured substitution value} + 2.15.$

6.13.1. Test Result

Not Applicable

6.13.2. Test Limit

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in 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.

~ End of Test Report ~