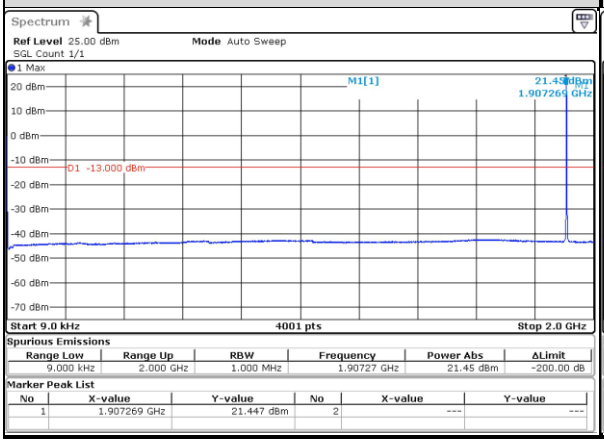
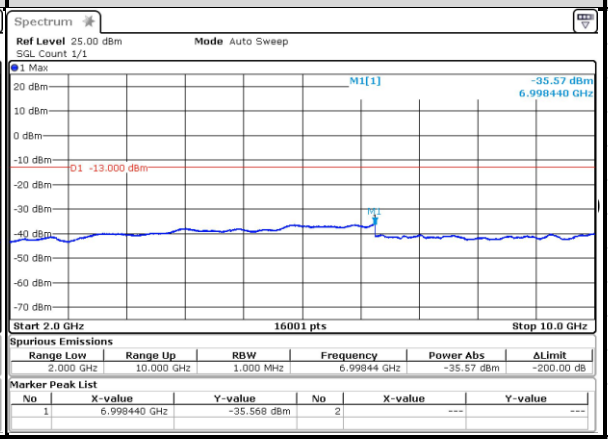
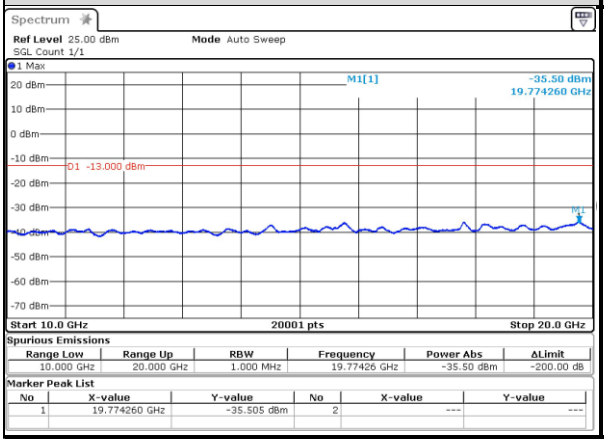
QPSK - High Freq (1908.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz





10GHz ~ 20GHz

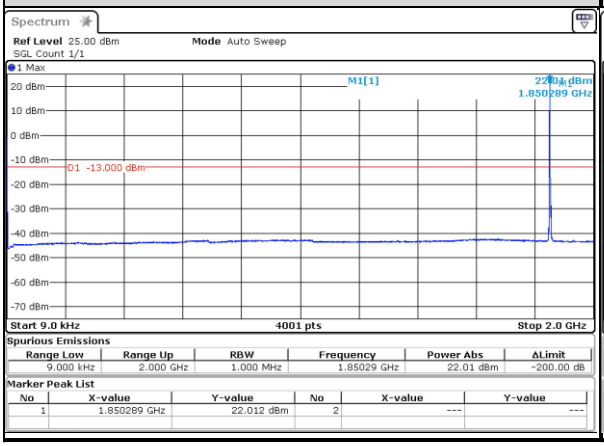


5MHz

QPSK - Low Freq (1852.5 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



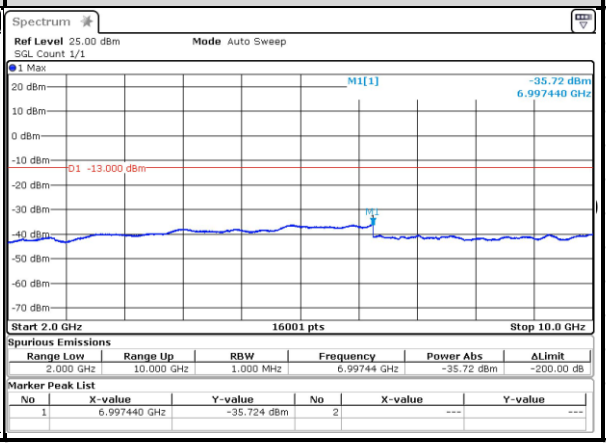
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.85029 GHz	22.01 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.850289 GHz	22.012 dBm	2	---	---

2GHz ~ 10GHz



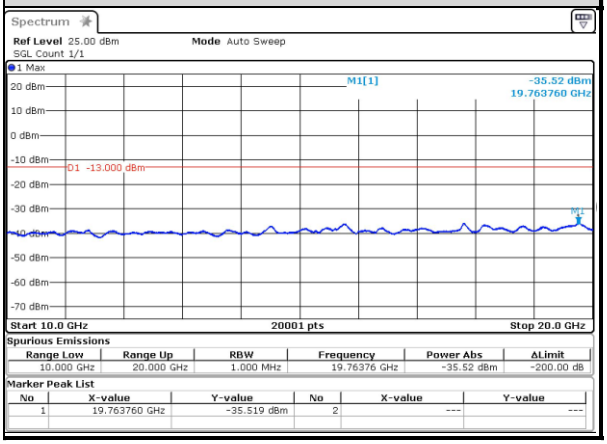
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99744 GHz	-35.72 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.997440 GHz	-35.724 dBm	2	---	---

10GHz ~ 20GHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.76376 GHz	-35.52 dBm	-200.00 dB

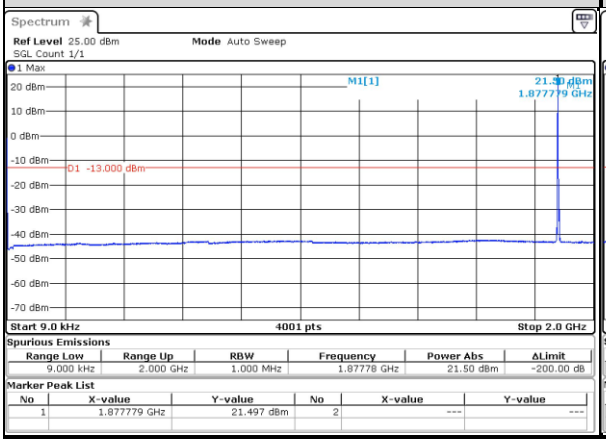
Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	19.763760 GHz	-35.519 dBm	2	---	---

QPSK - Mid Freq (1880 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



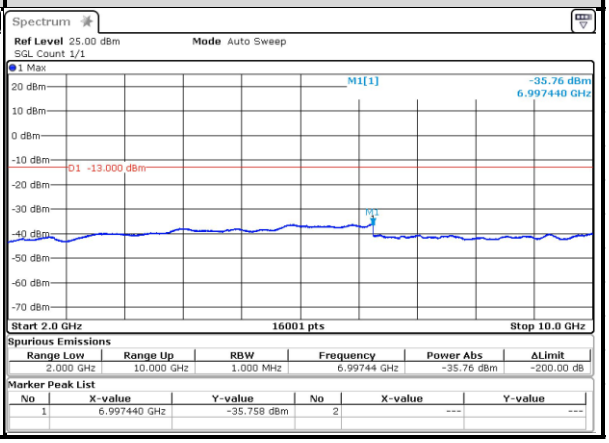
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.87778 GHz	21.50 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.877779 GHz	21.497 dBm	2	---	---

2GHz ~ 10GHz



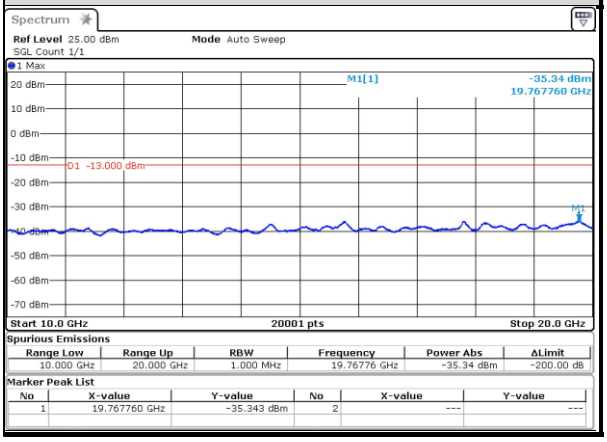
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99744 GHz	-35.76 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.997440 GHz	-35.758 dBm	2	---	---

10GHz ~ 20GHz



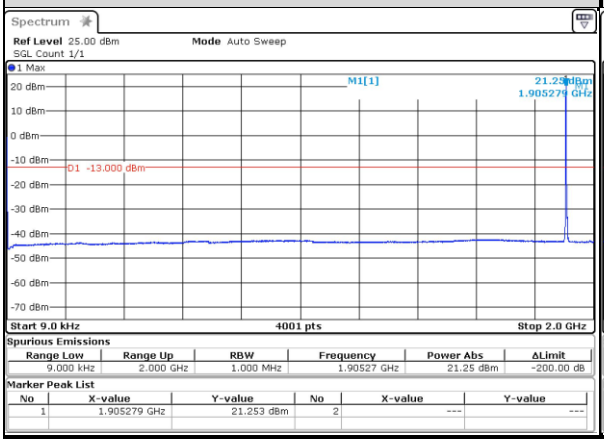
Spurious Emissions

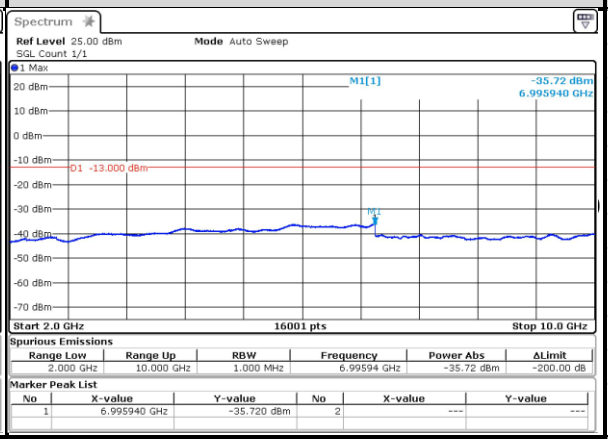
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.76776 GHz	-35.34 dBm	-200.00 dB

Marker Peak List

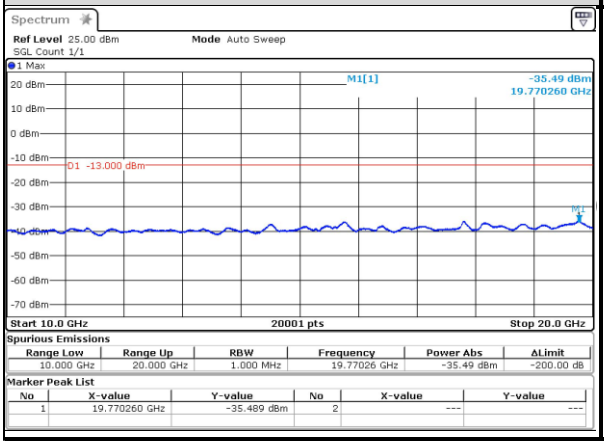
No	X-value	Y-value	No	X-value	Y-value
1	19.767760 GHz	-35.343 dBm	2	---	---

QPSK - High Freq (1907.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz





10GHz ~ 20GHz

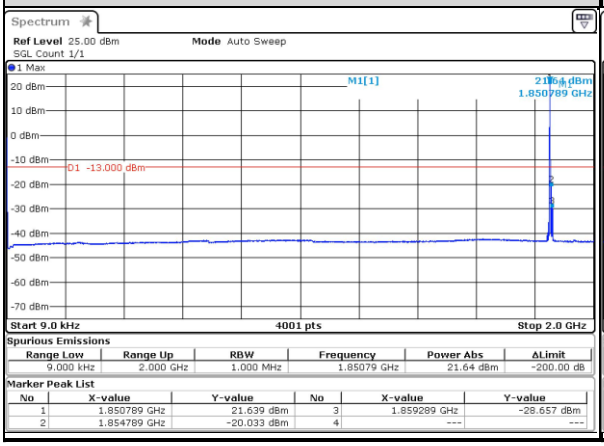


10MHz

QPSK - Low Freq (1855.0 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



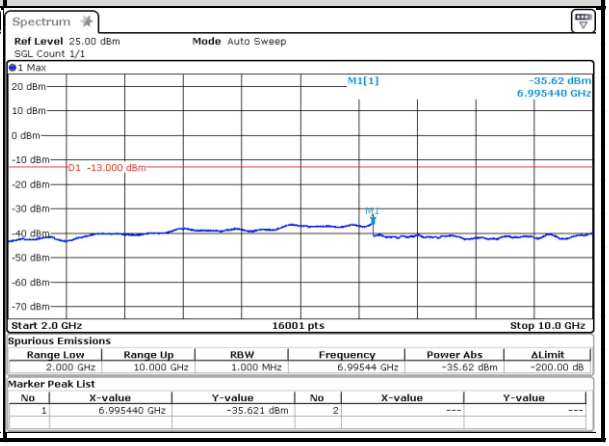
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.85079 GHz	21.64 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.850789 GHz	21.639 dBm	3	1.859289 GHz	-28.657 dBm
2	1.854789 GHz	-20.033 dBm	4	---	---

2GHz ~ 10GHz



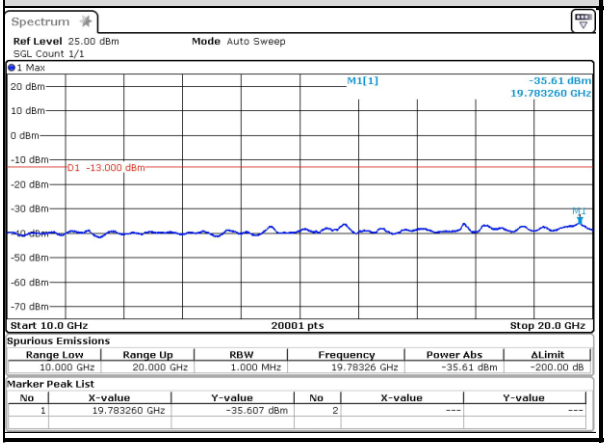
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99544 GHz	-35.62 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.995440 GHz	-35.621 dBm	2	---	---

10GHz ~ 20GHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.78326 GHz	-35.61 dBm	-200.00 dB

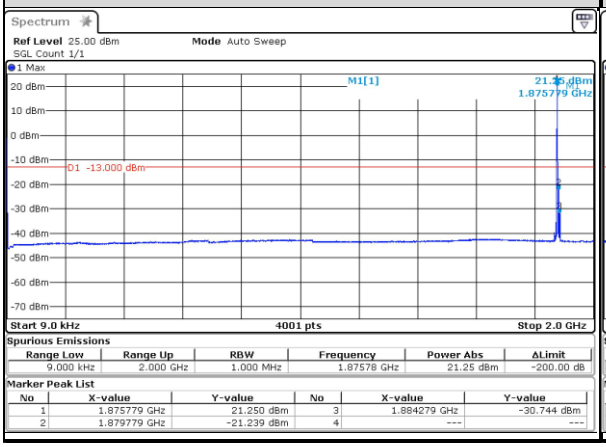
Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	19.783260 GHz	-35.607 dBm	2	---	---

QPSK - Mid Freq (1880 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



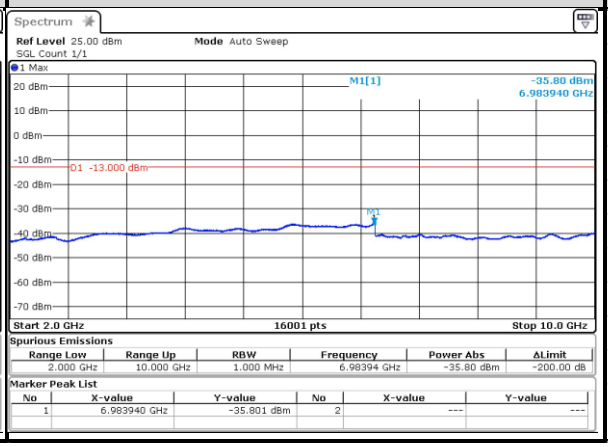
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.87578 GHz	21.25 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.875779 GHz	21.250 dBm	3	1.884279 GHz	-30.744 dBm
2	1.879779 GHz	-21.239 dBm	4	---	---

2GHz ~ 10GHz



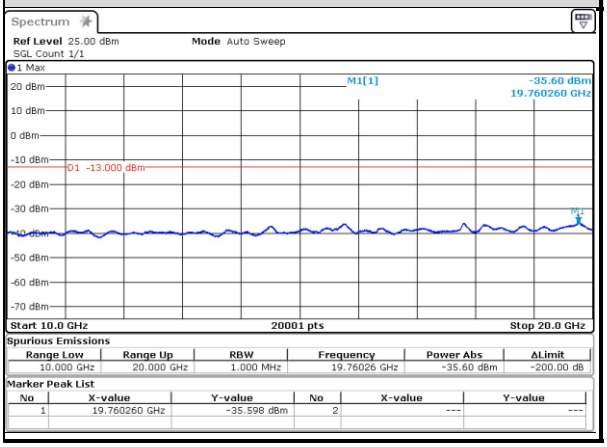
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.98394 GHz	-35.80 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.983940 GHz	-35.801 dBm	2	---	---

10GHz ~ 20GHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.76026 GHz	-35.60 dBm	-200.00 dB

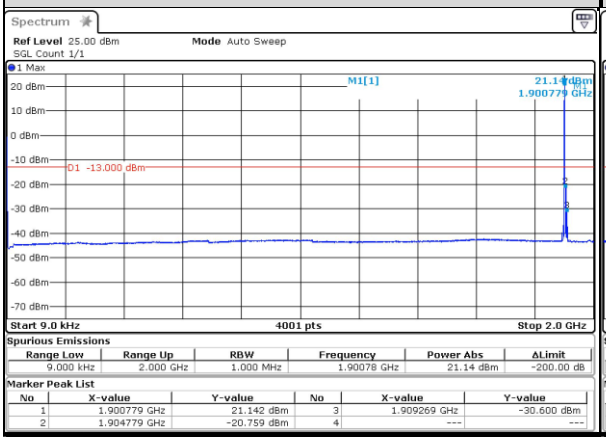
Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	19.760260 GHz	-35.598 dBm	2	---	---

QPSK - High Freq (1905 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



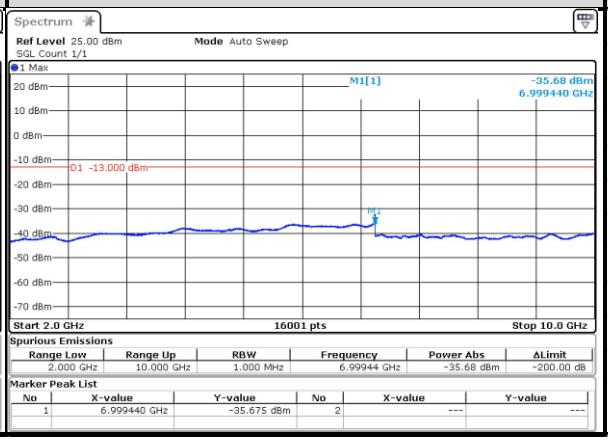
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.90078 GHz	21.14 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.900779 GHz	21.142 dBm	3	1.909269 GHz	-30.600 dBm
2	1.904779 GHz	-20.759 dBm	4	---	---

2GHz ~ 10GHz



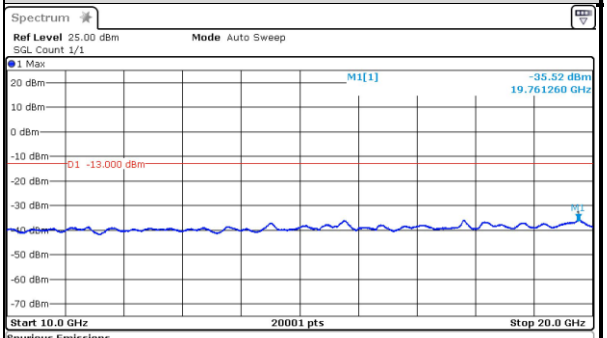
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99944 GHz	-35.68 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.999440 GHz	-35.675 dBm	2	---	---

10GHz ~ 20GHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.76126 GHz	-35.52 dBm	-200.00 dB

Marker Peak List

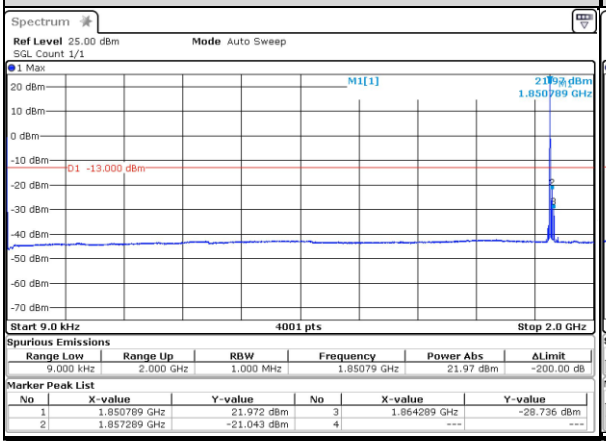
No	X-value	Y-value	No	X-value	Y-value
1	19.761260 GHz	-35.517 dBm	2	---	---

15MHz

QPSK - Low Freq (1857.5 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



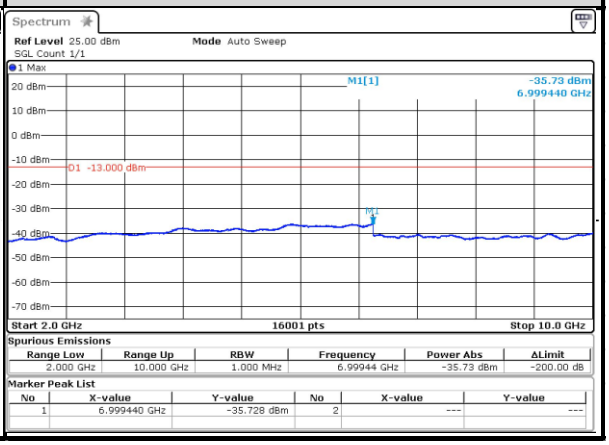
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.85079 GHz	21.97 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.850789 GHz	21.972 dBm	3	1.864289 GHz	-28.736 dBm
2	1.857289 GHz	-21.043 dBm	4	---	---

2GHz ~ 10GHz



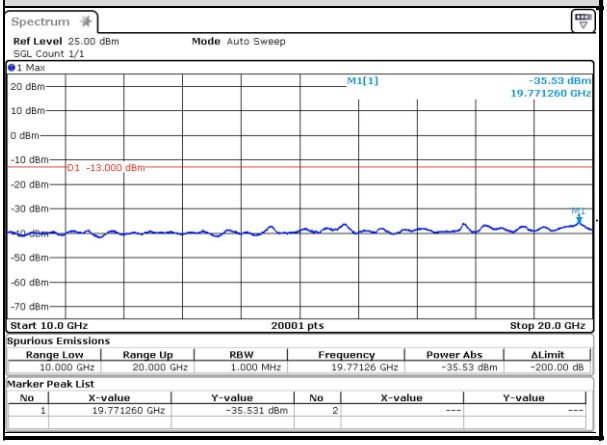
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99944 GHz	-35.73 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.999440 GHz	-35.728 dBm	2	---	---

10GHz ~ 20GHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.77126 GHz	-35.53 dBm	-200.00 dB

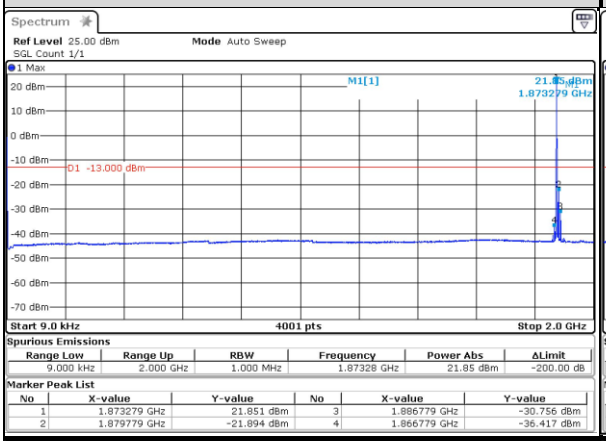
Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	19.771260 GHz	-35.531 dBm	2	---	---

QPSK - Mid Freq (1880 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



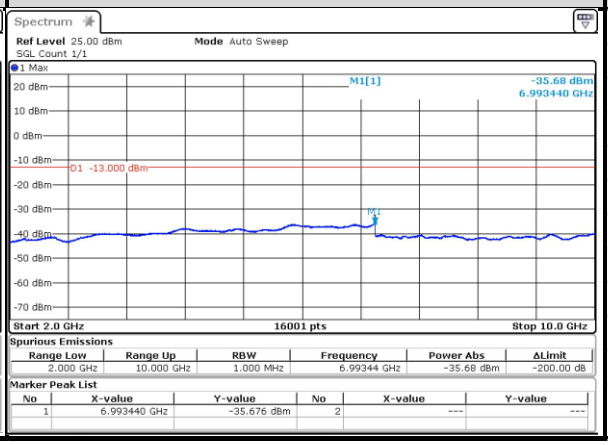
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.87328 GHz	21.85 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.873279 GHz	21.851 dBm	3	1.886779 GHz	-30.756 dBm
2	1.879779 GHz	-21.894 dBm	4	1.866779 GHz	-36.417 dBm

2GHz ~ 10GHz



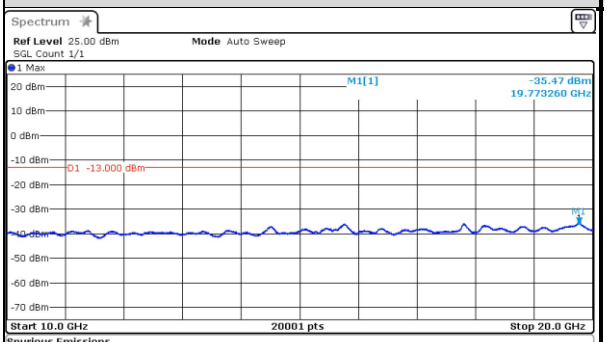
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99344 GHz	-35.68 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.993440 GHz	-35.676 dBm	2	---	---

10GHz ~ 20GHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.77326 GHz	-35.47 dBm	-200.00 dB

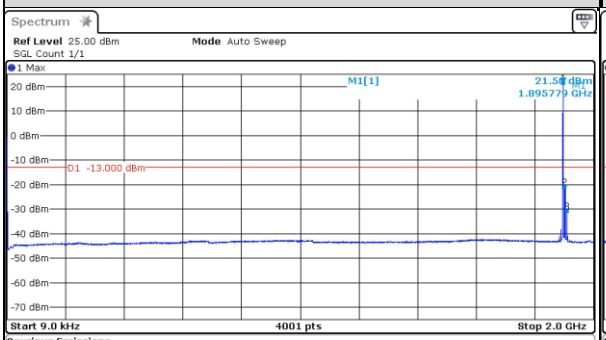
Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	19.773260 GHz	-35.474 dBm	2	---	---

QPSK - High Freq (1902.5 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



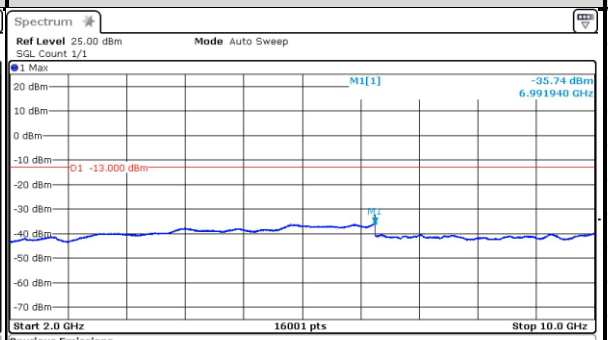
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.89578 GHz	21.50 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.895779 GHz	21.503 dBm	3	1.909269 GHz	-30.927 dBm
2	1.902279 GHz	-21.088 dBm	4	---	---

2GHz ~ 10GHz



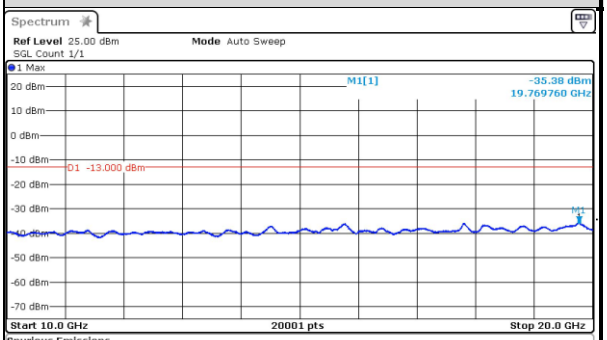
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99194 GHz	-35.74 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.991940 GHz	-35.739 dBm	2	---	---

10GHz ~ 20GHz



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.76976 GHz	-35.38 dBm	-200.00 dB

Marker Peak List

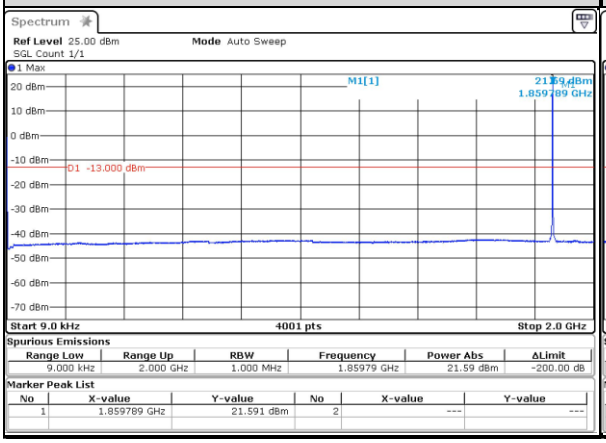
No	X-value	Y-value	No	X-value	Y-value
1	19.769760 GHz	-35.384 dBm	2	---	---

20MHz

QPSK - Low Freq (1860 MHz)

RB Size =1, RB Offset = 49

9kHz ~ 2GHz



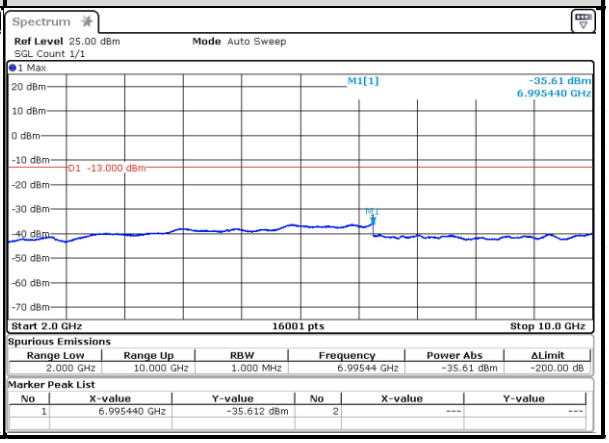
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.85979 GHz	21.59 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.859789 GHz	21.591 dBm	2	---	---

2GHz ~ 10GHz



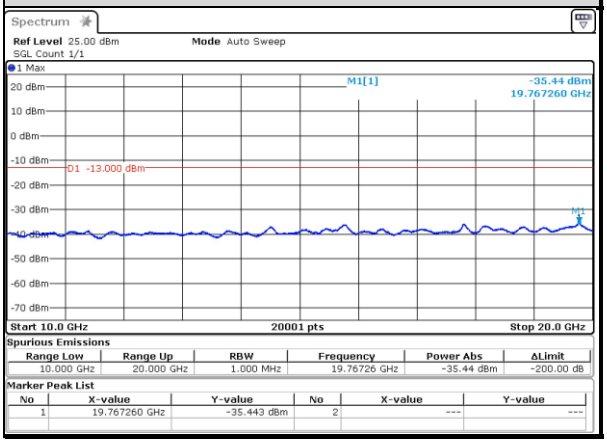
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99544 GHz	-35.61 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.995440 GHz	-35.612 dBm	2	---	---

10GHz ~ 20GHz



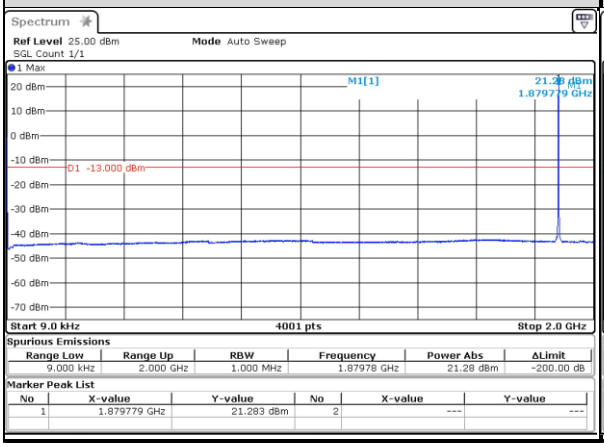
Spurious Emissions

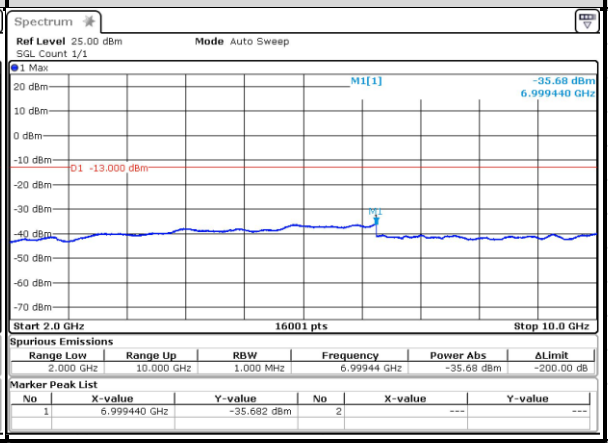
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.76726 GHz	-35.44 dBm	-200.00 dB

Marker Peak List

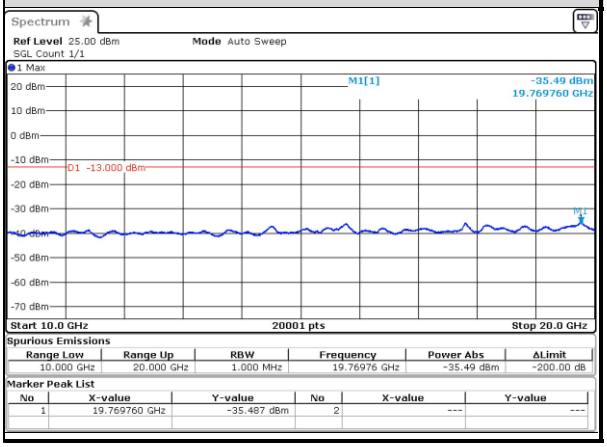
No	X-value	Y-value	No	X-value	Y-value
1	19.767260 GHz	-35.443 dBm	2	---	---

QPSK - Mid Freq (1880 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz

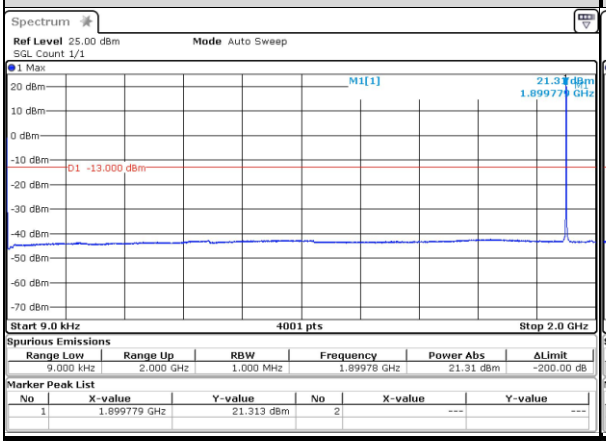


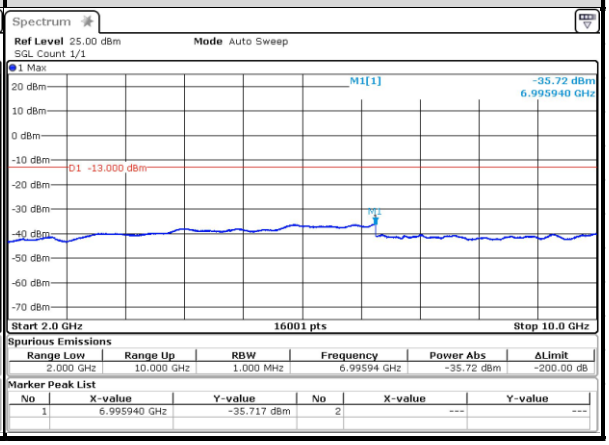


10GHz ~ 20GHz

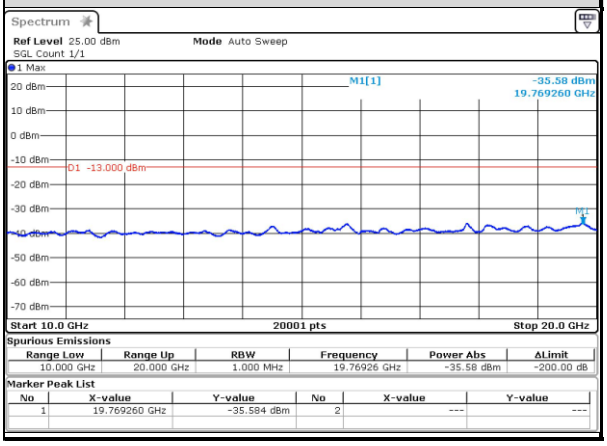


QPSK - High Freq (1900 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz



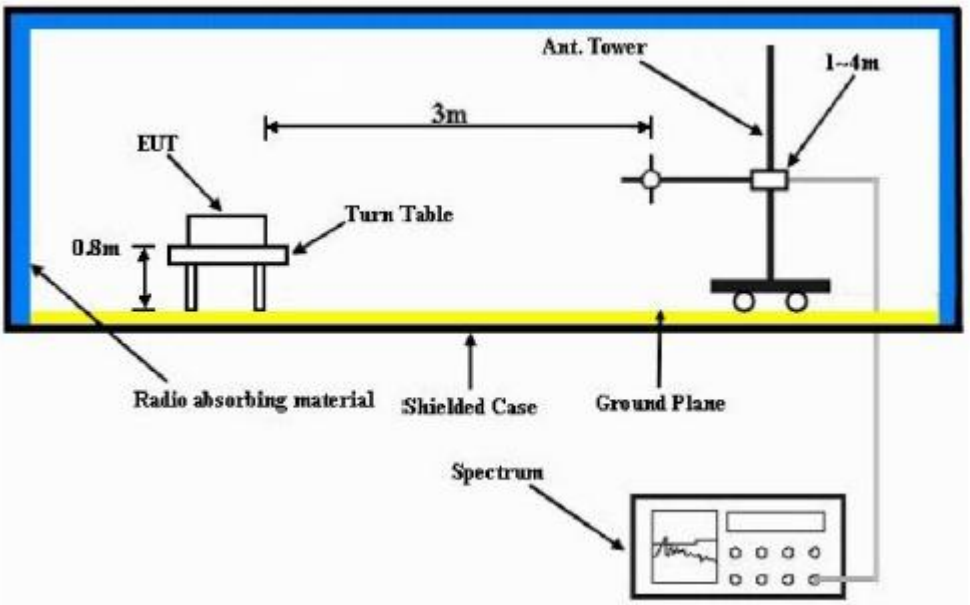


10GHz ~ 20GHz



1.12. Radiated Spurious Emission

1.12.1. Test Setup



1) The spectrum setting for scanning Radiated Emission below 1 GHz is RBW = 100 kHz, VBW = 300 kHz and above 1 GHz is RBW = 1MHz, VBW = 3MHz. Detector mode is positive peak.
2) In the semi-anechoic chamber, setup as illustrated above the EUT placed on the Turn Table at 0.8m height for below 1Ghz measurement and at 1.5m height for above 1GHz measurement, 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 EUT 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.

1.12.2. Test Limit

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}$ (P) dB. The emission limit equal to -13dBm.

1.12.3. Radiated Spurious Emission – LTE Band 2 (1850-1910MHz)

SAC Transmitter Radiated Emission:

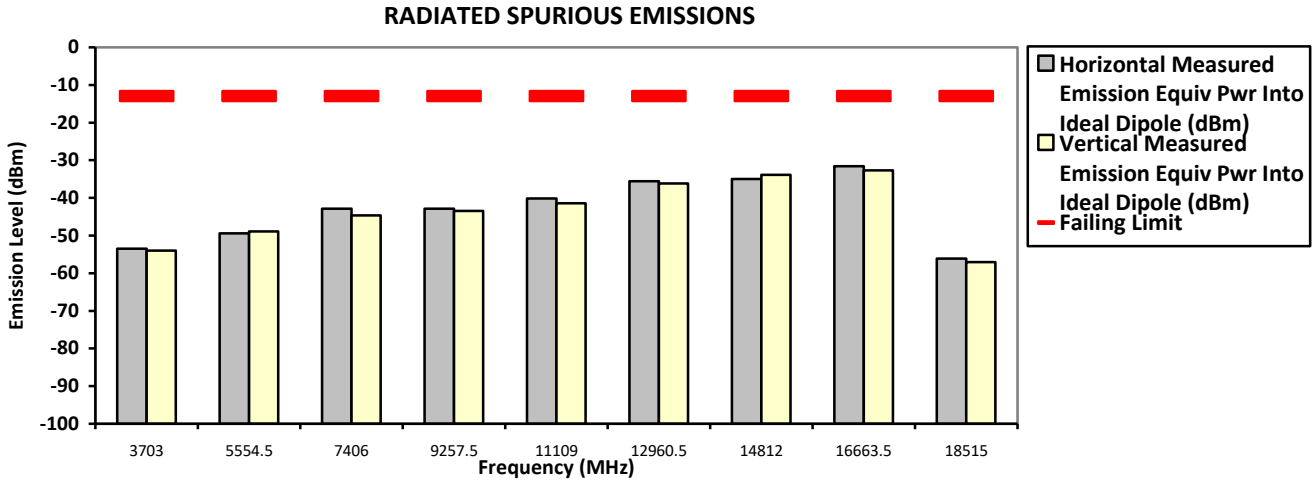
Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR: 30468-EMC-00048**

Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) X-Plane

1851.500000 MHz (Low) **Bandwidth 3MHz** **0.252 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)
3703.0000	-13.0000	-53.4860 **	-54.0240 **
5554.5000	-13.0000	-49.4339 **	-48.8814 **
7406.0000	-13.0000	-42.8741 **	-44.6644 **
9257.5000	-13.0000	-42.8662 **	-43.4887 **
11109.0000	-13.0000	-40.1237 **	-41.4436 **
12960.5000	-13.0000	-35.5786 **	-36.1404 **
14812.0000	-13.0000	-34.9990 **	-33.8740 **
16663.5000	-13.0000	-31.5718 **	-32.7059 **
18515.0000	-13.0000	-56.1152 **	-57.0607 **



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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

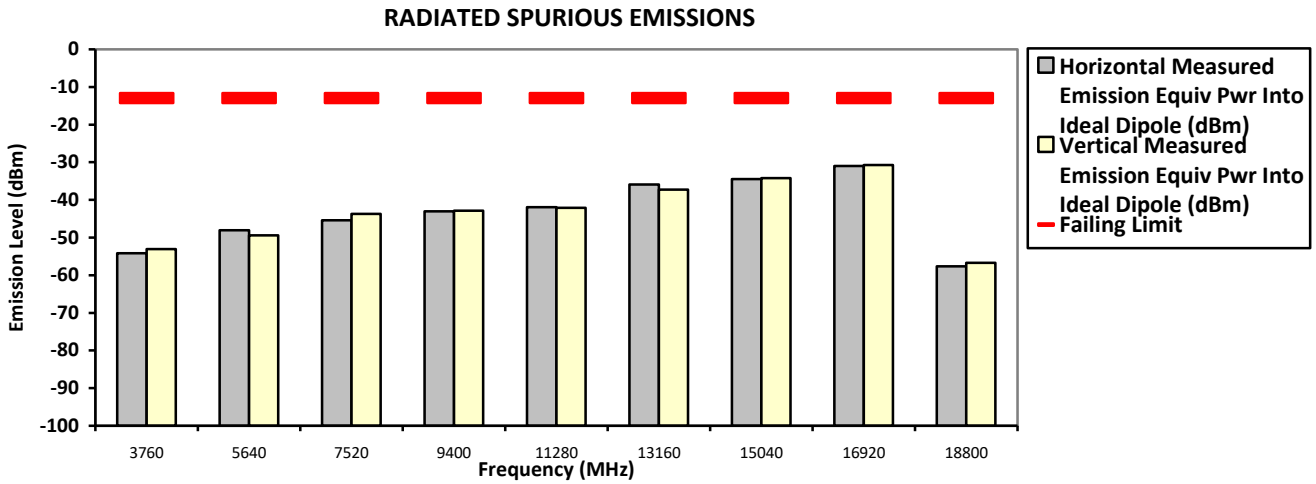
Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR: 30468-EMC-00048**

Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) X-Plane

1880.000000 MHz (Mid) **Bandwidth 5MHz** **0.252 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)
3760.0000	-13.0000	-54.1397 **	-53.0406 **
5640.0000	-13.0000	-48.0869 **	-49.4407 **
7520.0000	-13.0000	-45.3769 **	-43.7513 **
9400.0000	-13.0000	-43.0756 **	-42.8320 **
11280.0000	-13.0000	-41.8953 **	-42.1150 **
13160.0000	-13.0000	-35.9495 **	-37.2547 **
15040.0000	-13.0000	-34.4526 **	-34.2020 **
16920.0000	-13.0000	-31.0119 **	-30.6936 **
18800.0000	-13.0000	-57.6054 **	-56.7256 **



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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

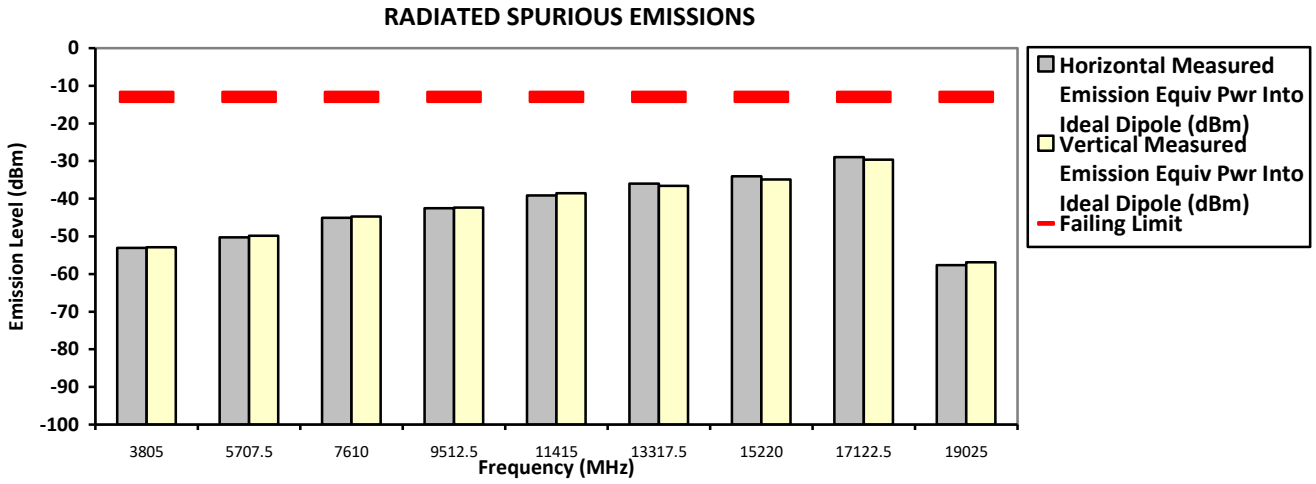
Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR: 30468-EMC-00048**

Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) X-Plane

1902.500000 MHz (High) **Bandwidth 15MHz** **0.252 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)
3805.0000	-13.0000	-53.0953 **	-52.9115 **
5707.5000	-13.0000	-50.2336 **	-49.8522 **
7610.0000	-13.0000	-45.1019 **	-44.7772 **
9512.5000	-13.0000	-42.5512 **	-42.3932 **
11415.0000	-13.0000	-39.1553 **	-38.5093 **
13317.5000	-13.0000	-35.9602 **	-36.5993 **
15220.0000	-13.0000	-34.0556 **	-34.8685 **
17122.5000	-13.0000	-28.9583 **	-29.5854 **
19025.0000	-13.0000	-57.6049 **	-56.8895 **



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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

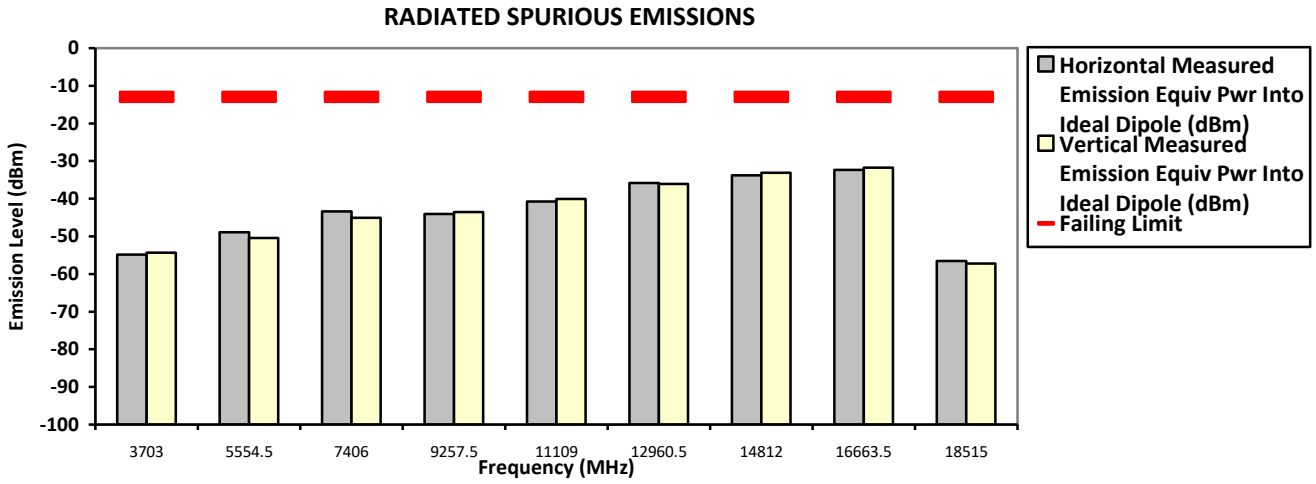
Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR:30468-EMC-00048**

Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) Y-Plane

1851.500000 MHz (Low) **Bandwidth 3MHz** **0.252 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)
3703.0000	-13.0000	-54.8370 **	-54.3477 **
5554.5000	-13.0000	-48.9126 **	-50.4011 **
7406.0000	-13.0000	-43.4168 **	-45.0729 **
9257.5000	-13.0000	-44.0535 **	-43.5703 **
11109.0000	-13.0000	-40.7800 **	-40.0557 **
12960.5000	-13.0000	-35.8435 **	-36.1161 **
14812.0000	-13.0000	-33.7907 **	-33.0978 **
16663.5000	-13.0000	-32.3398 **	-31.7813 **
18515.0000	-13.0000	-56.5053 **	-57.2022 **



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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR: 30468-EMC-00048**

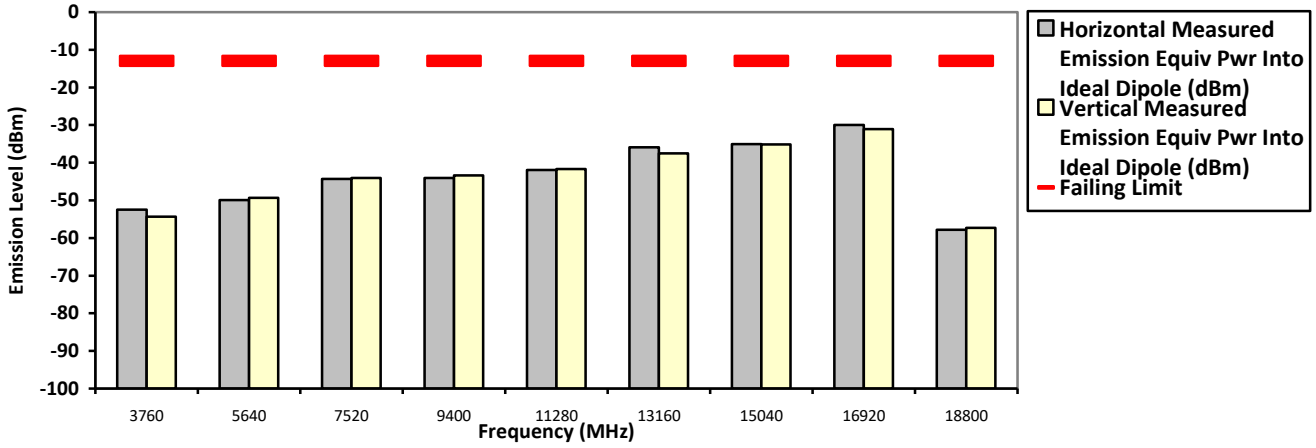
Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) Y-Plane

1880.000000 MHz (Mid) **Bandwidth 5MHz** **0.252 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)
3760.0000	-13.0000	-52.4338 **	-54.3330 **
5640.0000	-13.0000	-49.8959 **	-49.3143 **
7520.0000	-13.0000	-44.3184 **	-44.0961 **
9400.0000	-13.0000	-44.0433 **	-43.3444 **
11280.0000	-13.0000	-41.9306 **	-41.6924 **
13160.0000	-13.0000	-35.9109 **	-37.4798 **
15040.0000	-13.0000	-35.1018 **	-35.1342 **
16920.0000	-13.0000	-29.9925 **	-31.0575 **
18800.0000	-13.0000	-57.8456 **	-57.2683 **

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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

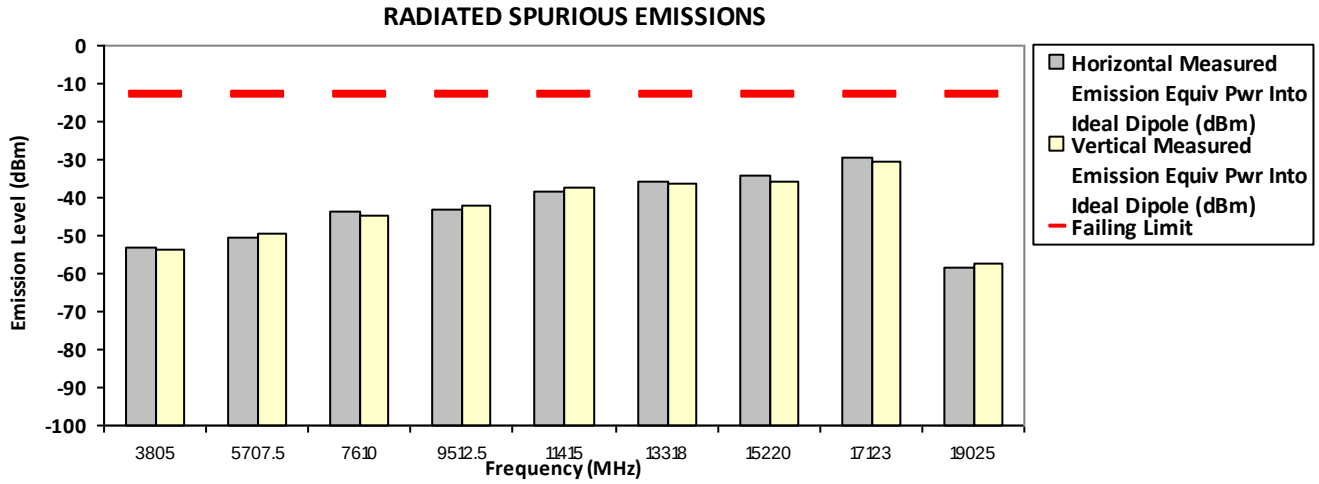
Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR: 30468-EMC-00048**

Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) Y-Plane

1902.500000 MHz (High) **Bandwidth 15MHz** **0.252 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)
3805.0000	-13.0000	-53.2367 **	-53.9080 **
5707.5000	-13.0000	-50.5446 **	-49.3316 **
7610.0000	-13.0000	-43.8502 **	-44.6163 **
9512.5000	-13.0000	-43.2251 **	-41.9646 **
11415.0000	-13.0000	-38.4938 **	-37.4197 **
13317.5000	-13.0000	-35.5798 **	-36.1003 **
15220.0000	-13.0000	-34.3838 **	-35.6496 **
17122.5000	-13.0000	-29.5671 **	-30.6128 **
19025.0000	-13.0000	-58.1703 **	-57.2772 **



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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

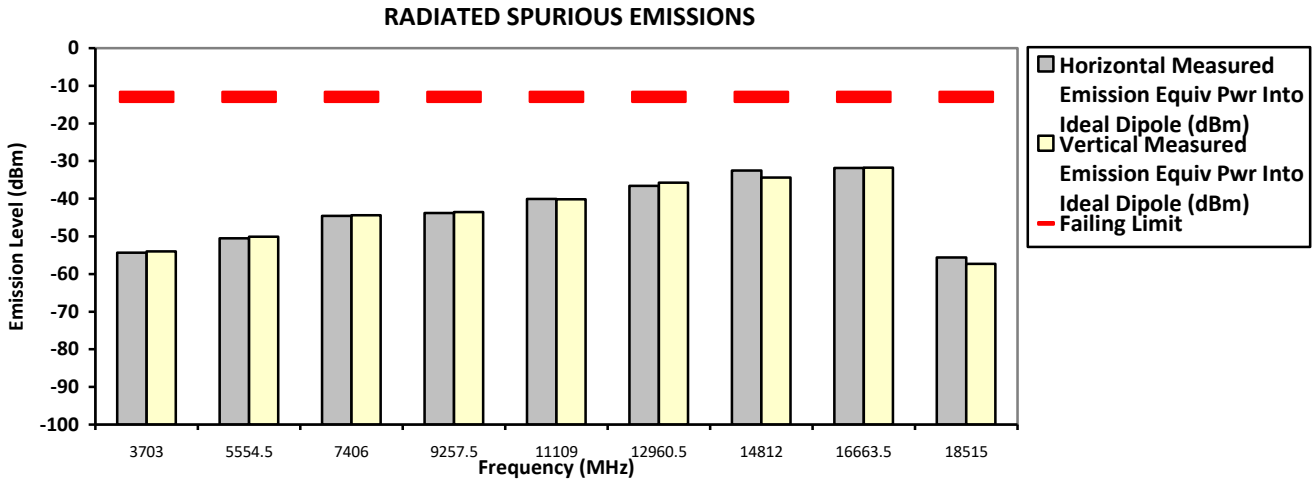
Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR: 30468-EMC-00048**

Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) Z-Plane

1851.500000 MHz (Low) **Bandwidth 3MHz** **0.252 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)
3703.0000	-13.0000	-54.3268 **	-53.9666 **
5554.5000	-13.0000	-50.4793 **	-50.0585 **
7406.0000	-13.0000	-44.5494 **	-44.3684 **
9257.5000	-13.0000	-43.7976 **	-43.5709 **
11109.0000	-13.0000	-40.0544 **	-40.1281 **
12960.5000	-13.0000	-36.5532 **	-35.7230 **
14812.0000	-13.0000	-32.5197 **	-34.3743 **
16663.5000	-13.0000	-31.8130 **	-31.7776 **
18515.0000	-13.0000	-55.6419 **	-57.3231 **



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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

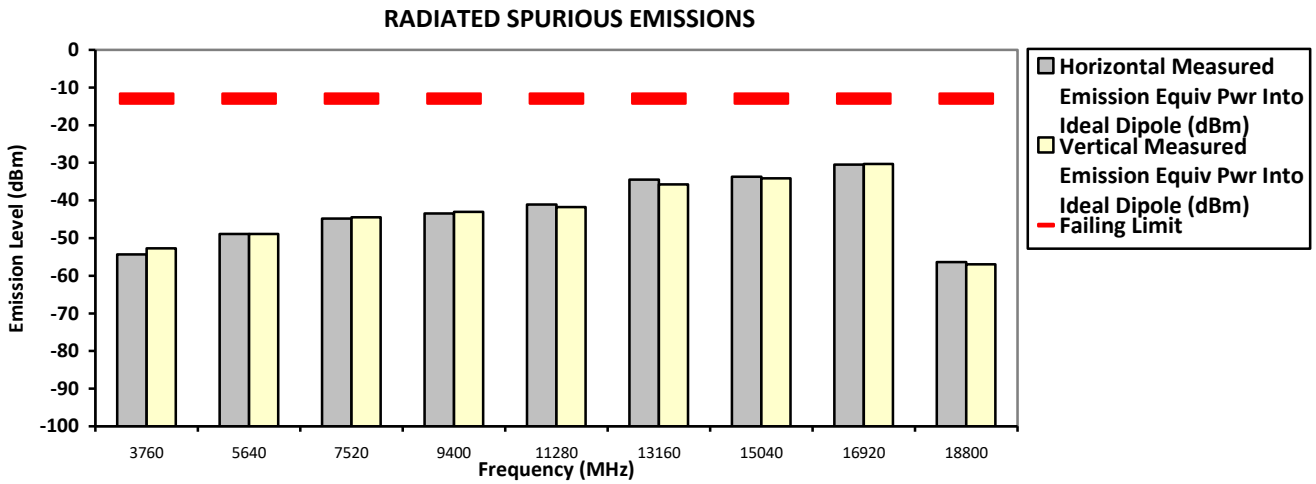
Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR:30468-EMC-00048**

Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) Z-Plane

1880.000000 MHz (Mid) **Bandwidth 5MHz** **0.252 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)
3760.0000	-13.0000	-54.3085 **	-52.7358 **
5640.0000	-13.0000	-48.8920 **	-48.8999 **
7520.0000	-13.0000	-44.8228 **	-44.5074 **
9400.0000	-13.0000	-43.4844 **	-43.0022 **
11280.0000	-13.0000	-41.0835 **	-41.7474 **
13160.0000	-13.0000	-34.4301 **	-35.7411 **
15040.0000	-13.0000	-33.7108 **	-34.1559 **
16920.0000	-13.0000	-30.4557 **	-30.2948 **
18800.0000	-13.0000	-56.3794 **	-56.9633 **



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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

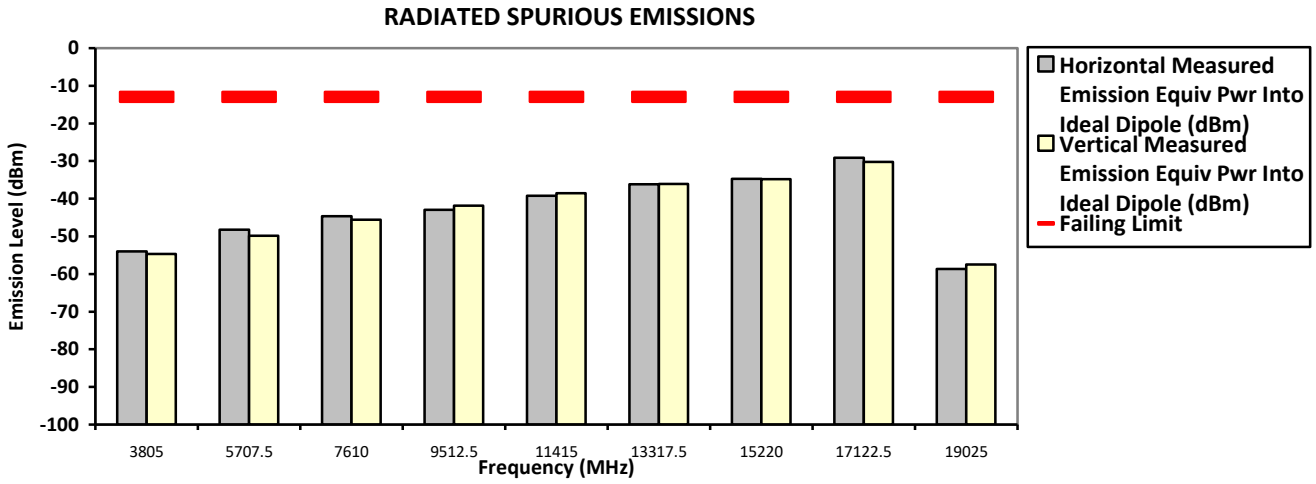
Model Number: H35KET9PW8AN-H **S/N: 022TAF1521** **SR: 30468-EMC-00048**

Battery Part No: PMNN4818A **Accy Part No: AN000414A01**

Test Mode: TX LTE (Band 2) Z-Plane

1902.500000 MHz (High) **Bandwidth 15MHz** **0.252 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)
3805.0000	-13.0000	-53.9824 **	-54.6646 **
5707.5000	-13.0000	-48.2225 **	-49.8006 **
7610.0000	-13.0000	-44.6411 **	-45.5665 **
9512.5000	-13.0000	-42.9649 **	-41.8498 **
11415.0000	-13.0000	-39.2258 **	-38.5004 **
13317.5000	-13.0000	-36.1984 **	-36.0698 **
15220.0000	-13.0000	-34.7294 **	-34.8128 **
17122.5000	-13.0000	-29.1462 **	-30.2347 **
19025.0000	-13.0000	-58.6237 **	-57.4527 **



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: Rezza & Fuad **Mon, 20 May, 2024**

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): 23.4 Hum(%RH): 69.3

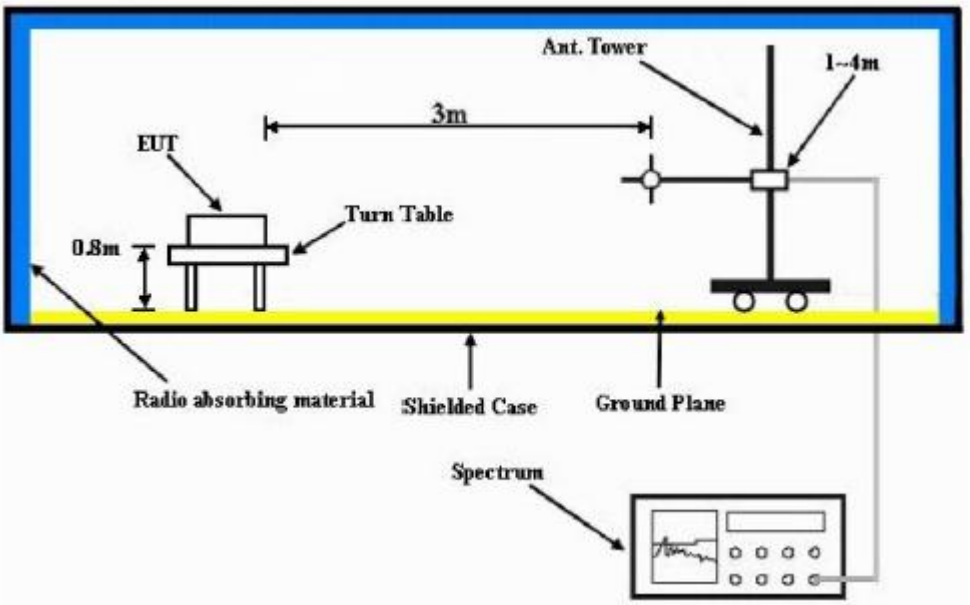
System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

1.13. Equivalent Isotropically Radiated Power (EIRP)

1.13.1. Test Setup



1) The spectrum setting for scanning Radiated Emission below 1 GHz is RBW = 100 kHz, VBW = 300 kHz and above 1 GHz is RBW = 1MHz, VBW = 3MHz. Detector mode is RMS.
2) In the semi-anechoic chamber, setup as illustrated above the EUT placed on the Turn Table at 0.8m height for below 1Ghz measurement and at 1.5m height for above 1GHz measurement, 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 EUT 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) EIRP = “Read Value” + Measured substitution value.

1.13.2. Test Limit

Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

1.13.3. Equivalent Isotropically Radiated Power (EIRP) - LTE Band 2 (1850-1910MHz)

Refer to 1.6.4 / Not Performed.

--End of Test Report--