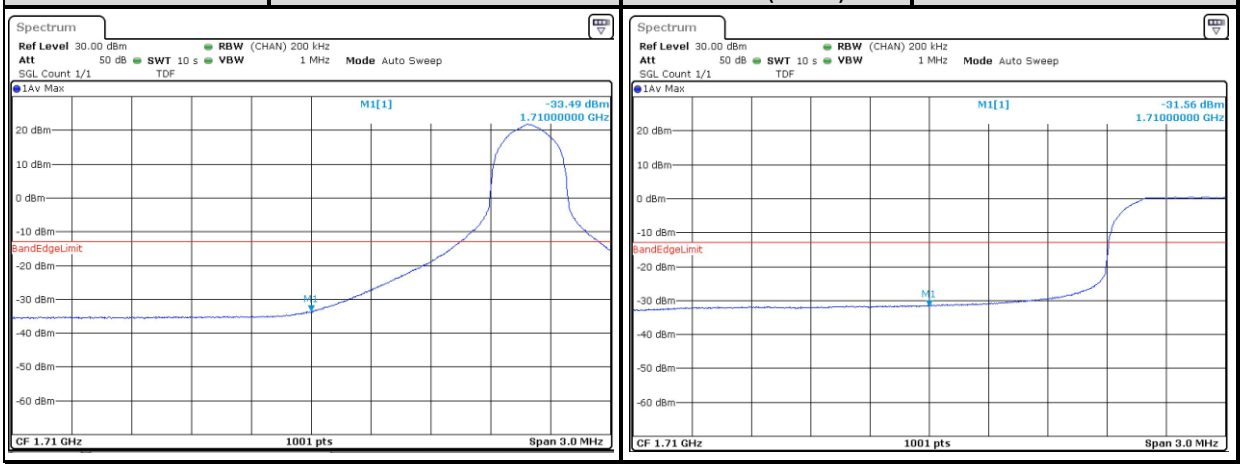
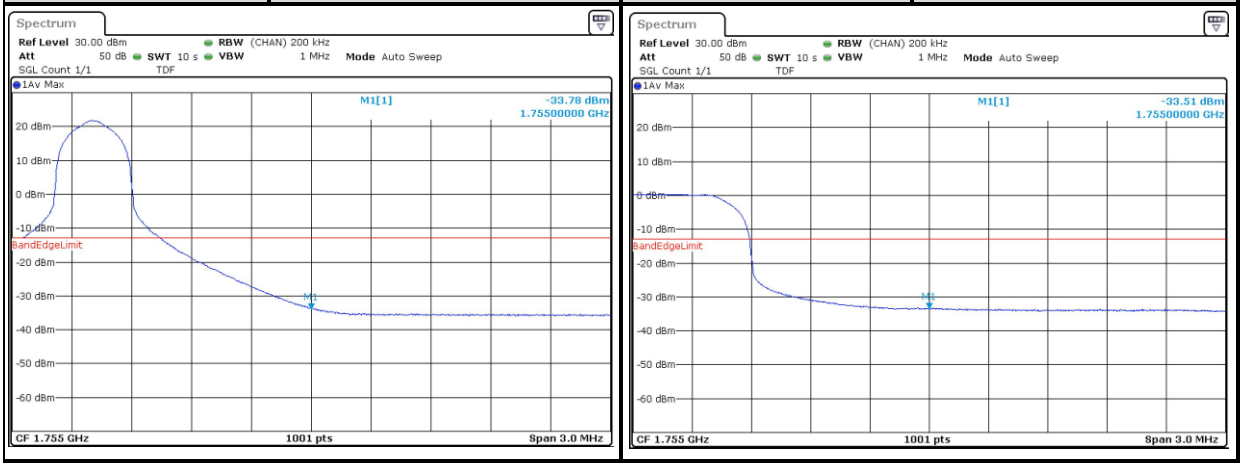
20MHz

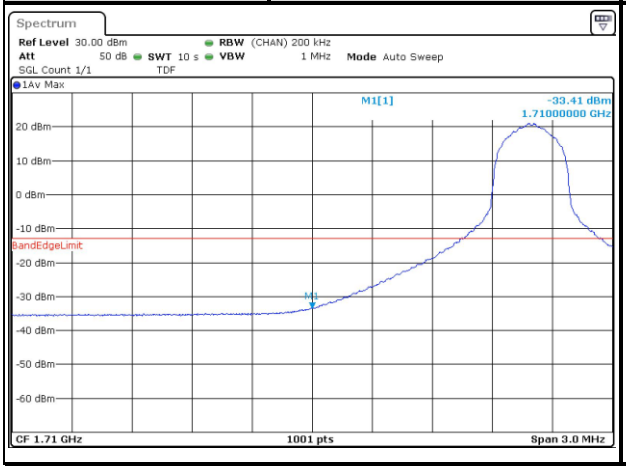
Band 4, 20MHz QPSK, Low CH 20050			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0

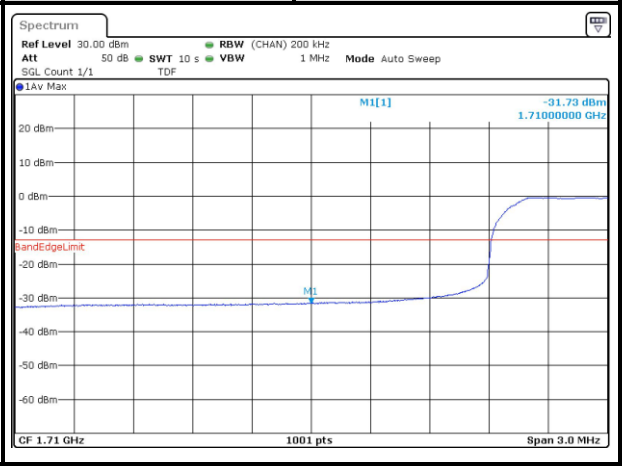


Band 4, 20MHz QPSK, High CH 20300			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0

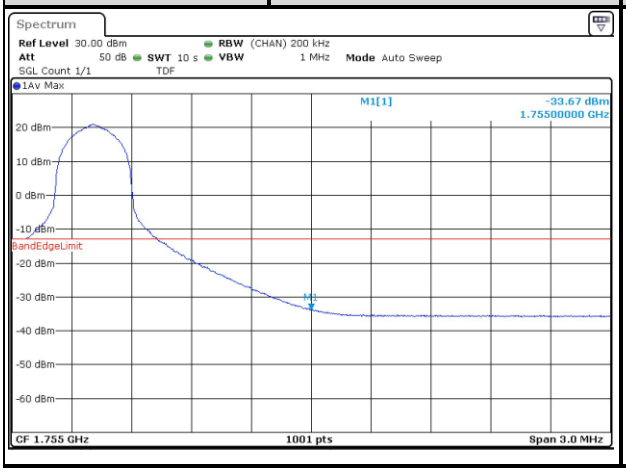


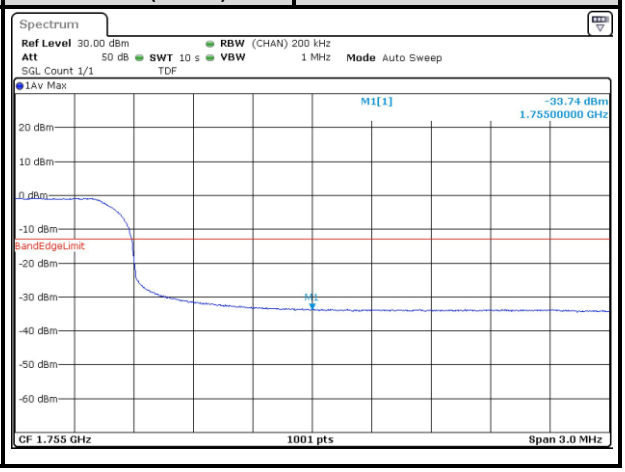
Band 4, 20MHz 16-QAM, Low CH 20050			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0





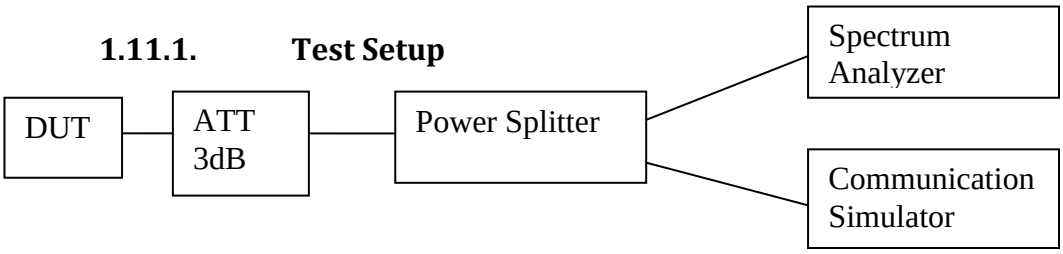
Band 4, 20MHz 16-QAM, High CH 20300			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0





1.11. Conducted Spurious Emission

1.11.1. Test Setup



1) The DUT transmitter output port was connected to communication simulator with above setup.
2) Path loss for the measurement included.
3) Set DUT to transmit maximum power through communication simulator.
4) Spectrum Analyzer setting, RBW = 1 MHz, VBW = 3 MHz.
5) The spurious emission of lowest, middle and highest channels with the highest RF powers were measured.
6) Record the maximum trace plot into the test report.

1.11.2. Test Limit

For operations in the 1710-1755 MHz bands, 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 measurement instrumentation is employing a resolution bandwidth of 1 megahertz or greater.

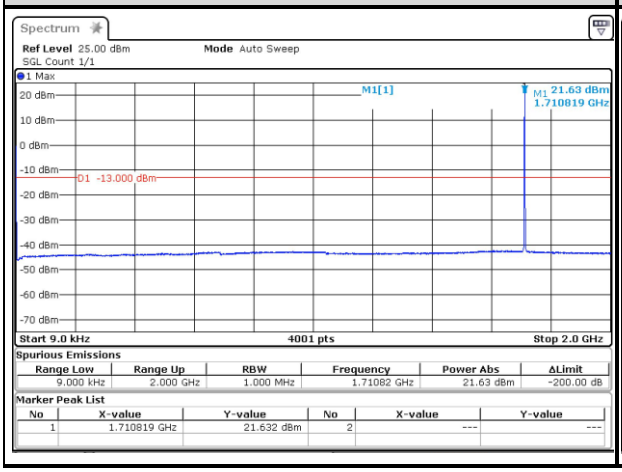
1.11.3. Conducted Spurious Emissions – LTE Band 4 (1710-1755MHz)

1.4MHz

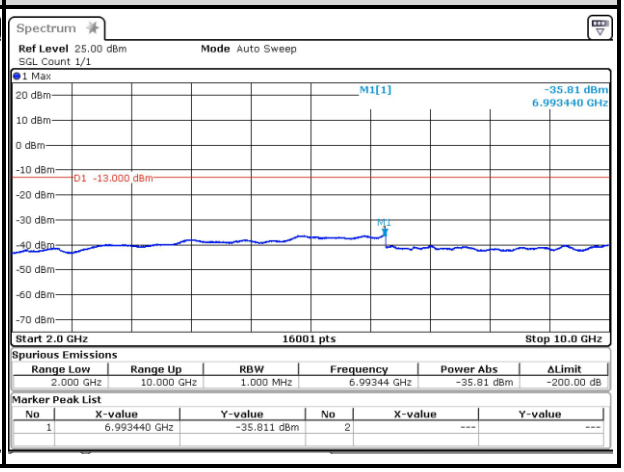
QPSK - Low Freq (1710.7 MHz)

RB Size =1, RB Offset = 3

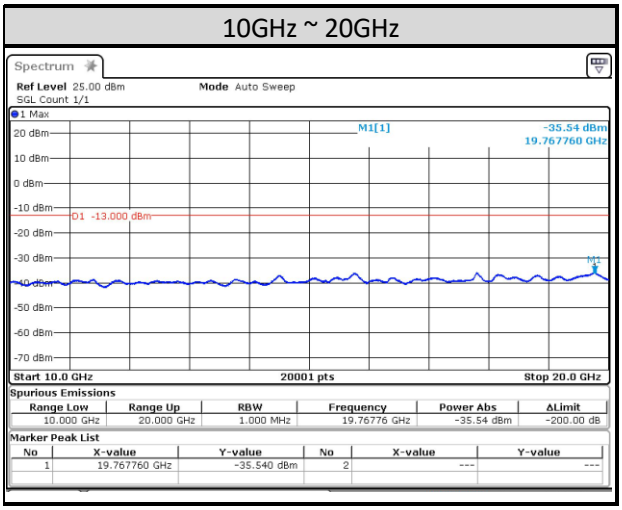
9kHz ~ 2GHz



2GHz ~ 10GHz



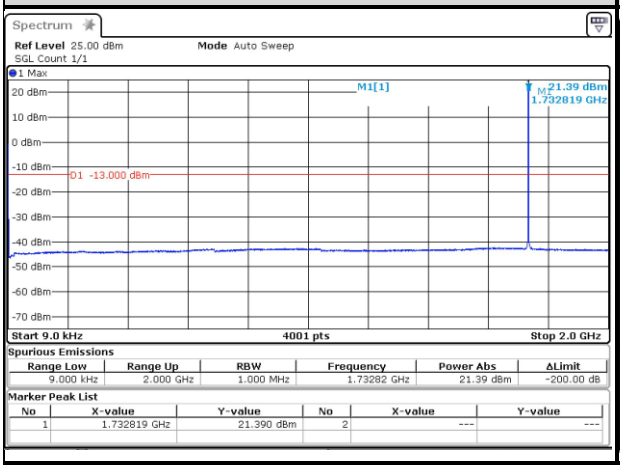
10GHz ~ 20GHz



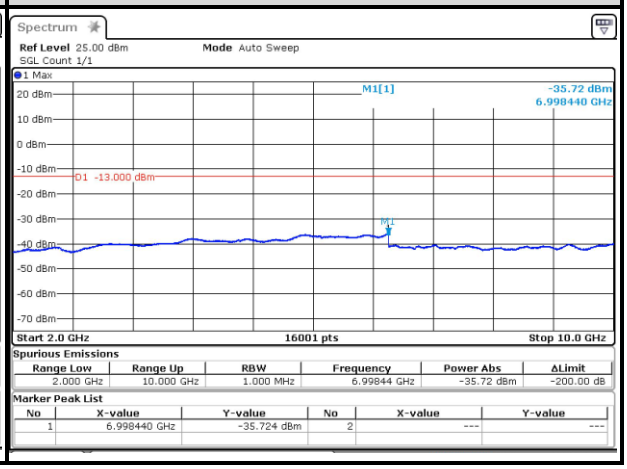
QPSK - Mid Freq (1732.5 MHz)

RB Size =1, RB Offset = 3

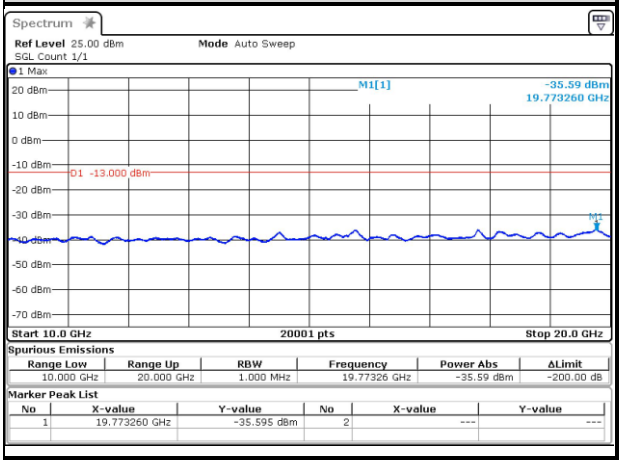
9kHz ~ 2GHz



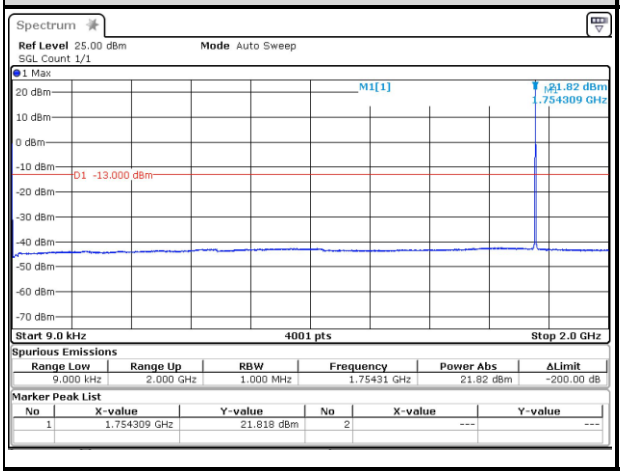
2GHz ~ 10GHz

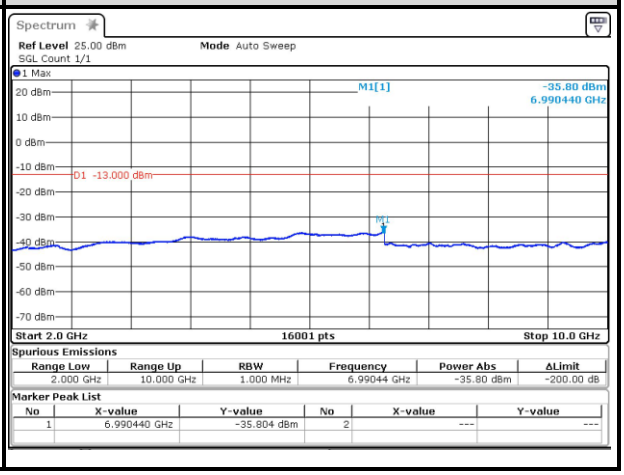


10GHz ~ 20GHz

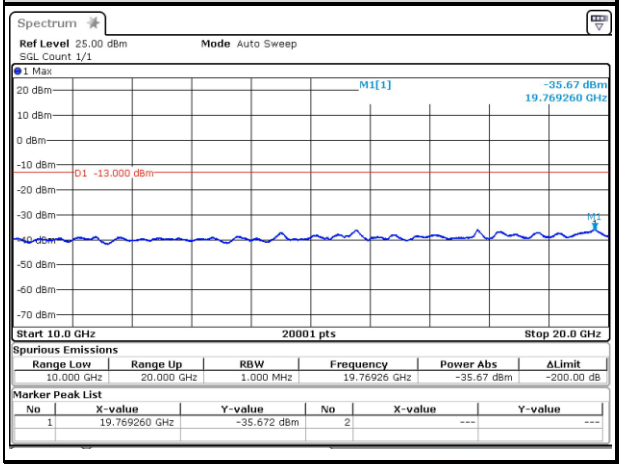


QPSK - High Freq (1754.3 MHz)	
RB Size =1, RB Offset = 3	
9kHz ~ 2GHz	2GHz ~ 10GHz



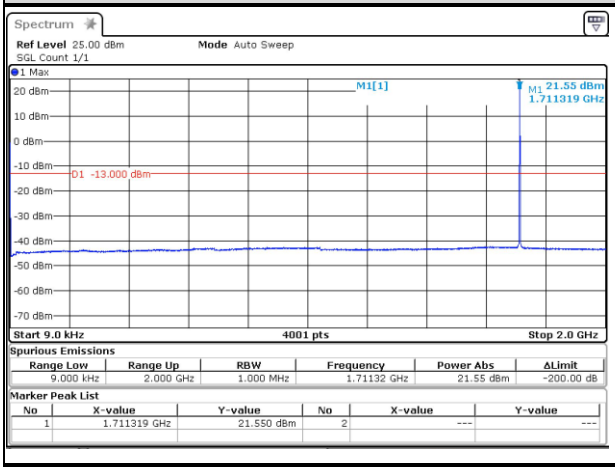


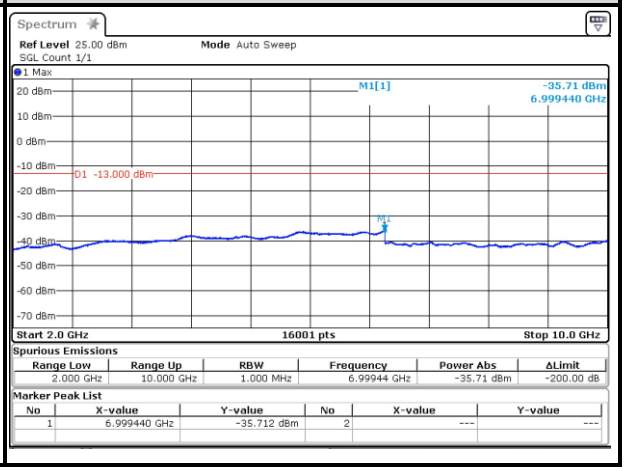
10GHz ~ 20GHz



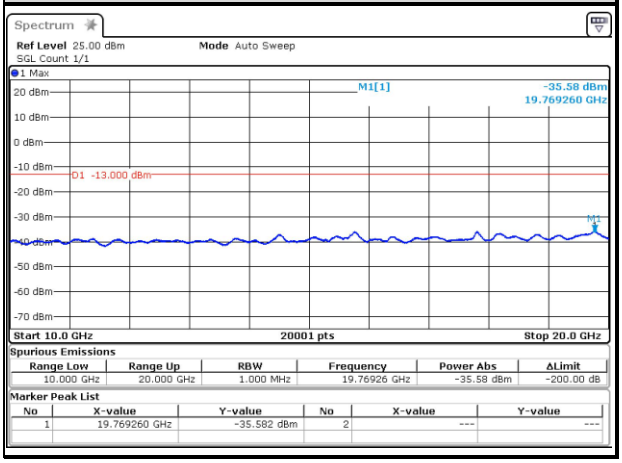
3MHz

QPSK - Low Freq (1711.5 MHz)	
RB Size =1, RB Offset = 7	
9kHz ~ 2GHz	2GHz ~ 10GHz

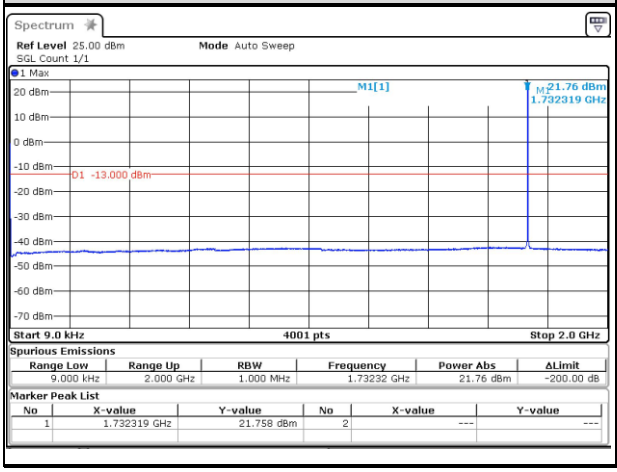


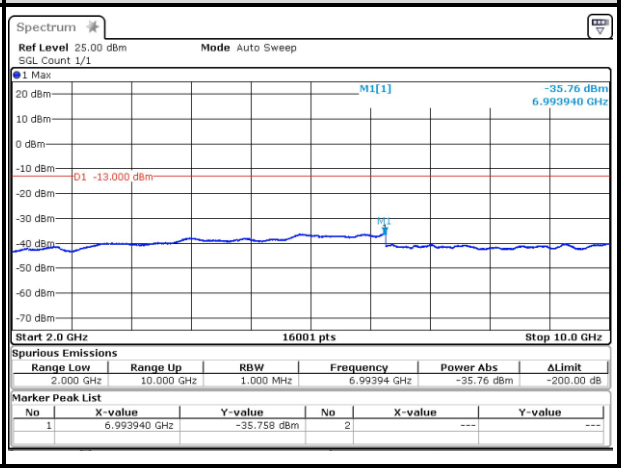


10GHz ~ 20GHz

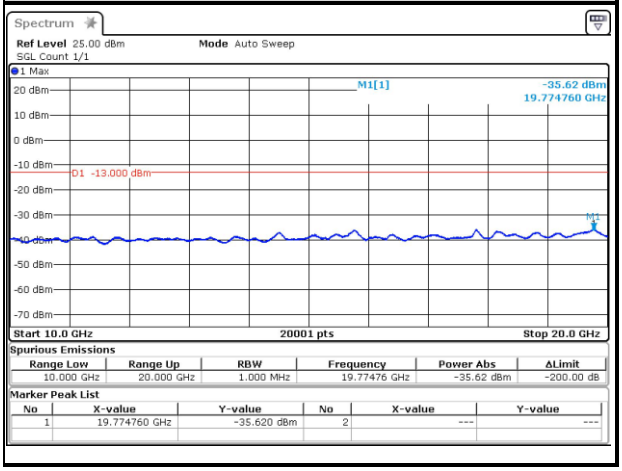


QPSK - Mid Freq (1732.5 MHz)	
RB Size =1, RB Offset = 7	
9kHz ~ 2GHz	2GHz ~ 10GHz

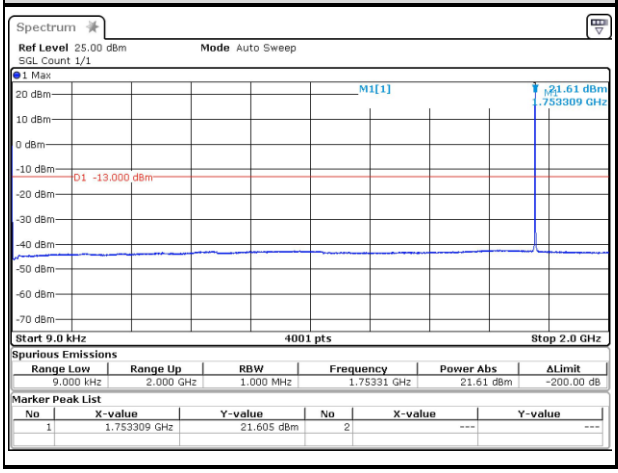


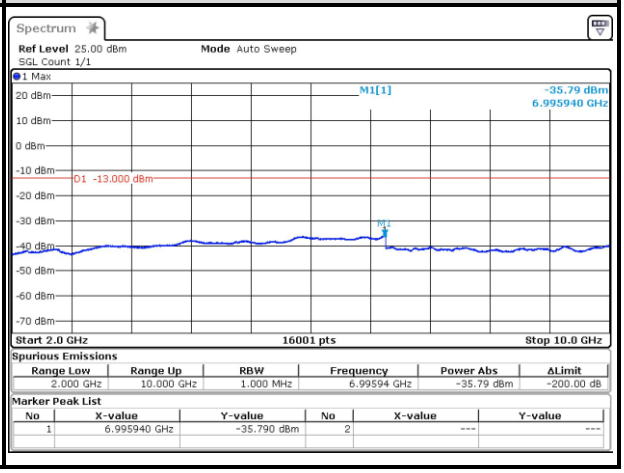


10GHz ~ 20GHz

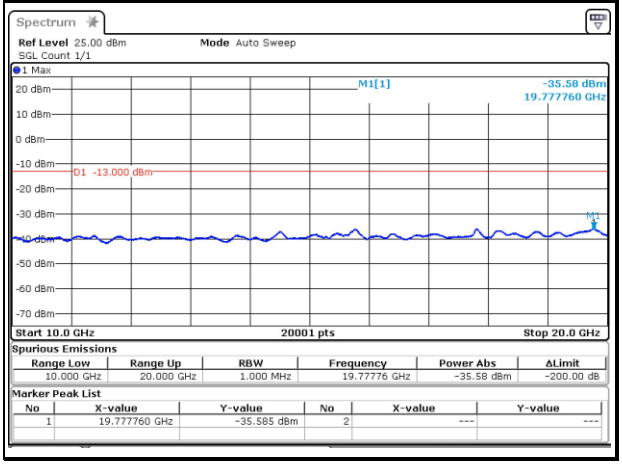


QPSK - High Freq (1753.5 MHz)	
RB Size =1, RB Offset = 7	
9kHz ~ 2GHz	2GHz ~ 10GHz





10GHz ~ 20GHz

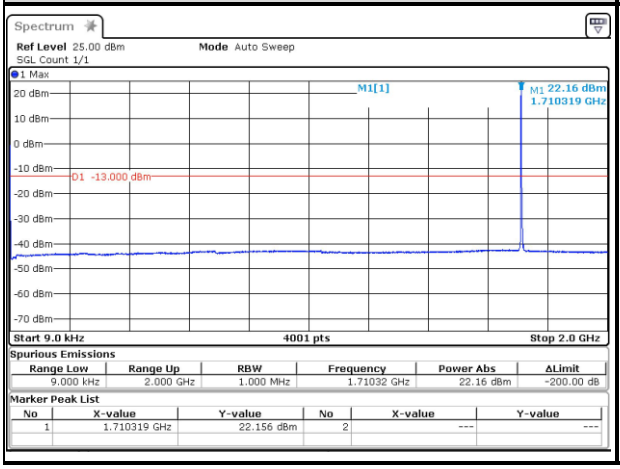


5MHz

QPSK - Low Freq (1712.5 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



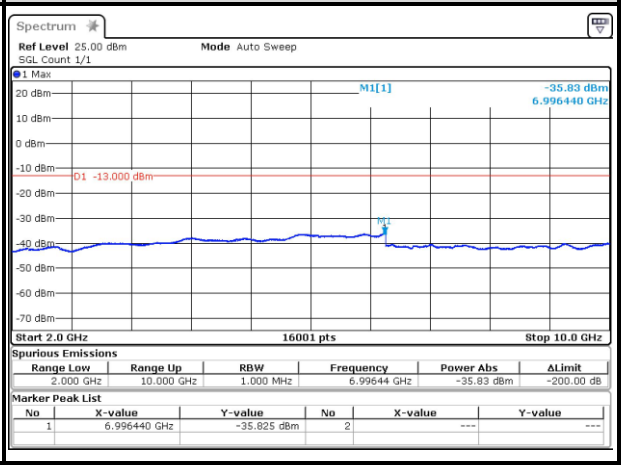
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.71032 GHz	22.16 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.710319 GHz	22.156 dBm	2	---	---

2GHz ~ 10GHz



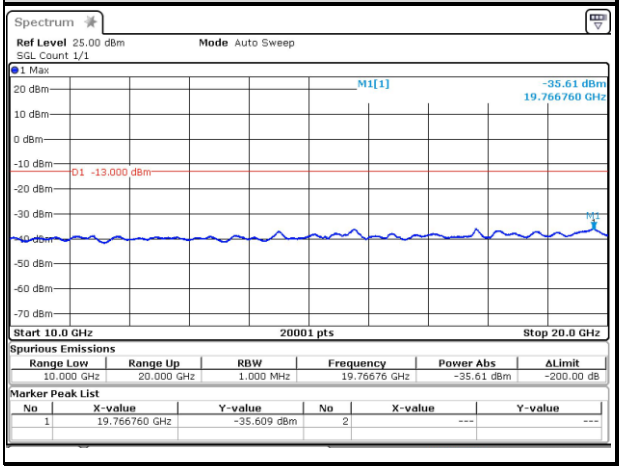
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99644 GHz	-35.83 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.996440 GHz	-35.825 dBm	2	---	---

10GHz ~ 20GHz



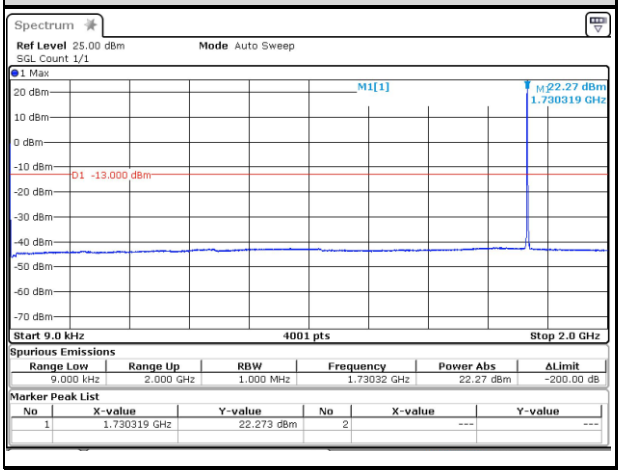
Spurious Emissions

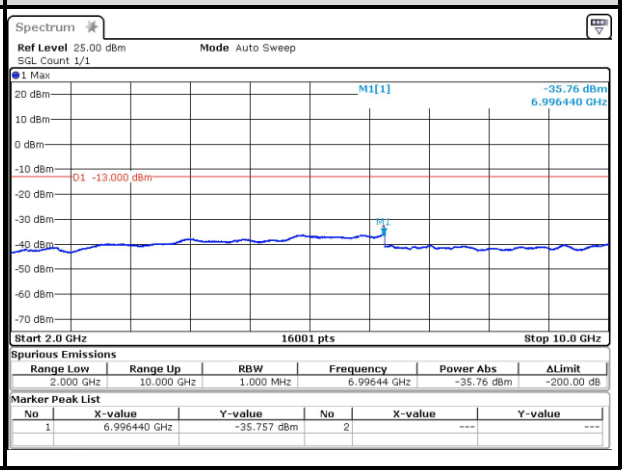
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.76676 GHz	-35.61 dBm	-200.00 dB

Marker Peak List

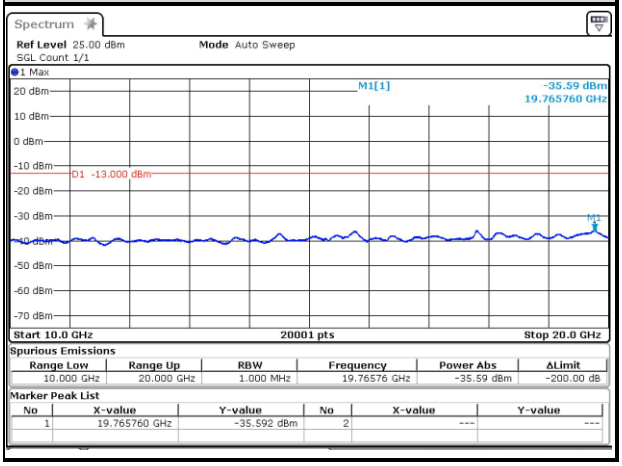
No	X-value	Y-value	No	X-value	Y-value
1	19.766760 GHz	-35.609 dBm	2	---	---

QPSK - Mid Freq (1732.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz

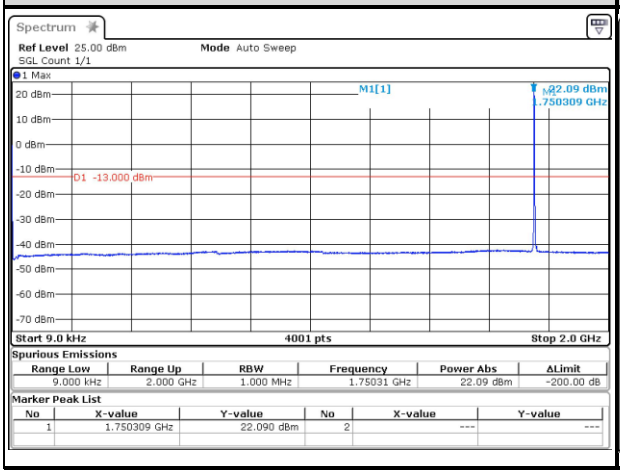


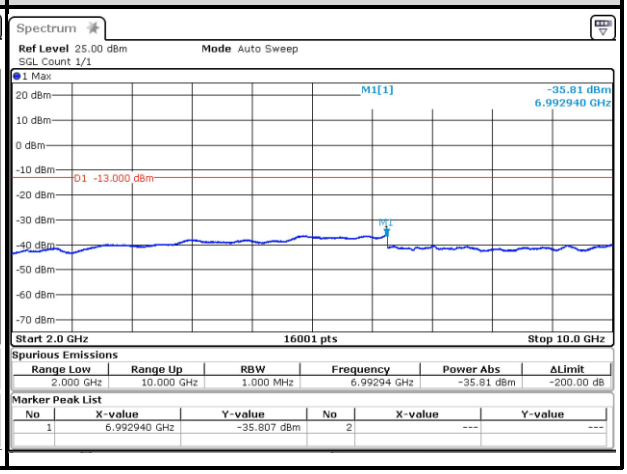


10GHz ~ 20GHz

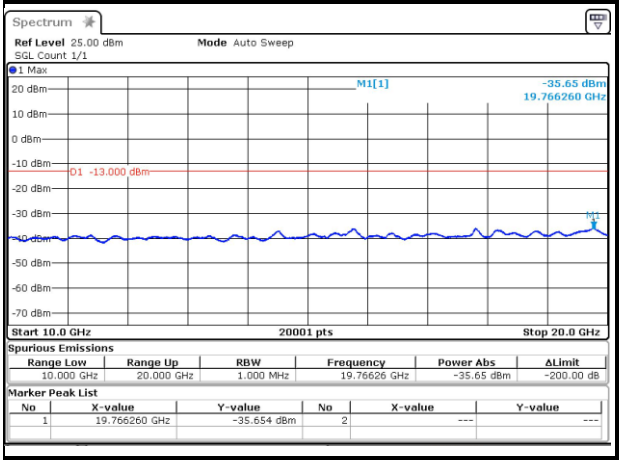


QPSK - High Freq (1752.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz



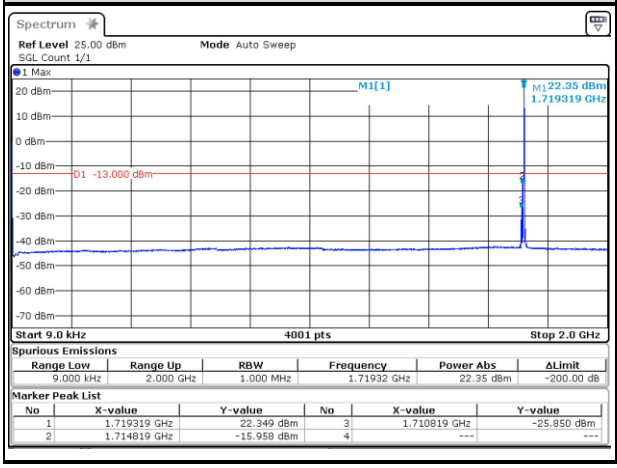


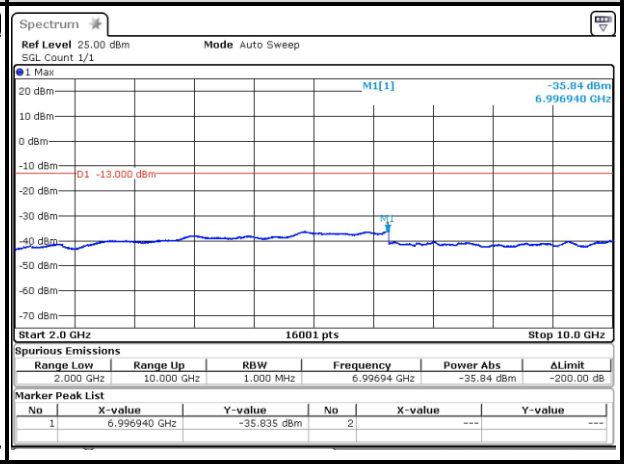
10GHz ~ 20GHz



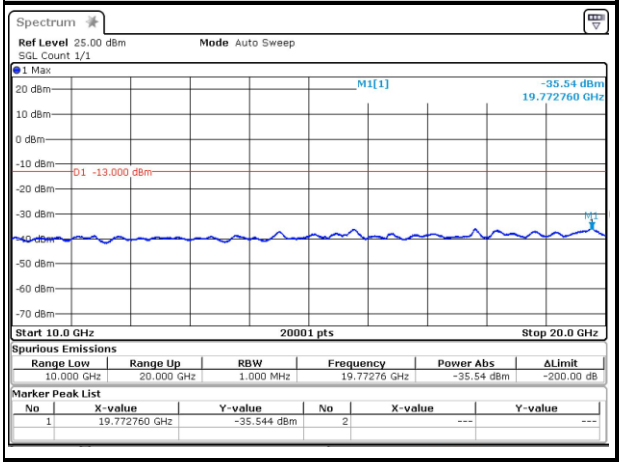
10MHz

QPSK - Low Freq (1715.0 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz

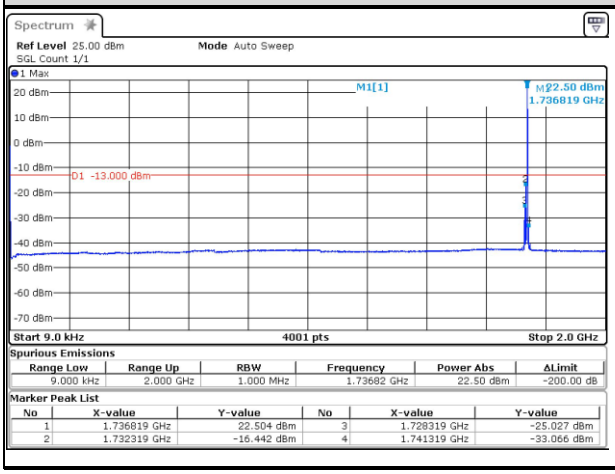


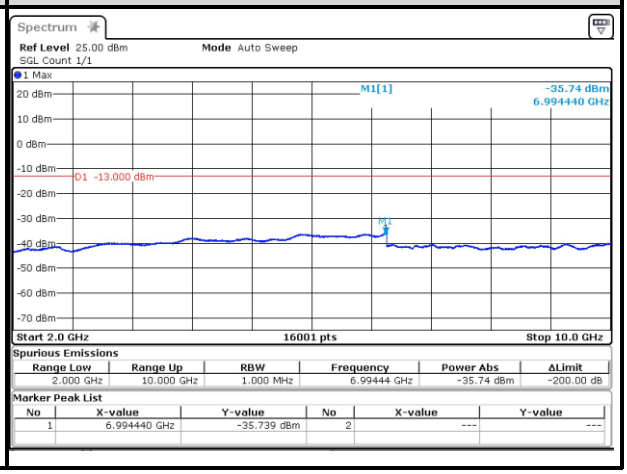


10GHz ~ 20GHz

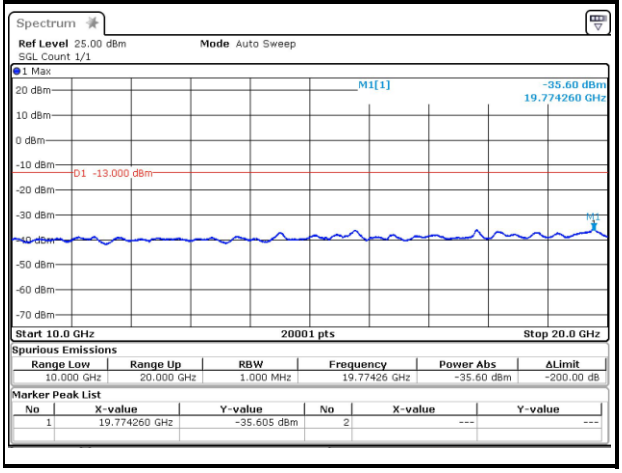


QPSK - Mid Freq (1732.5 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz

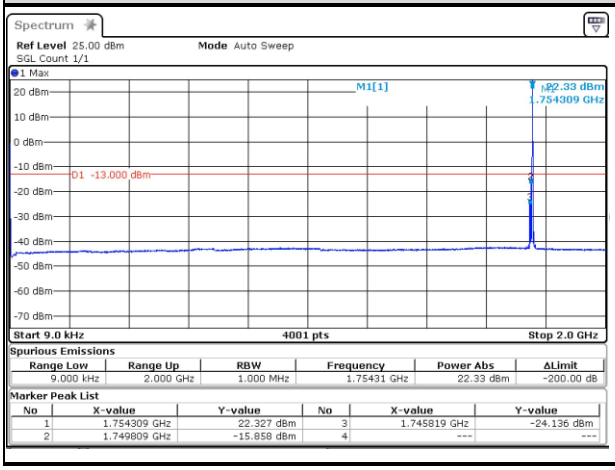


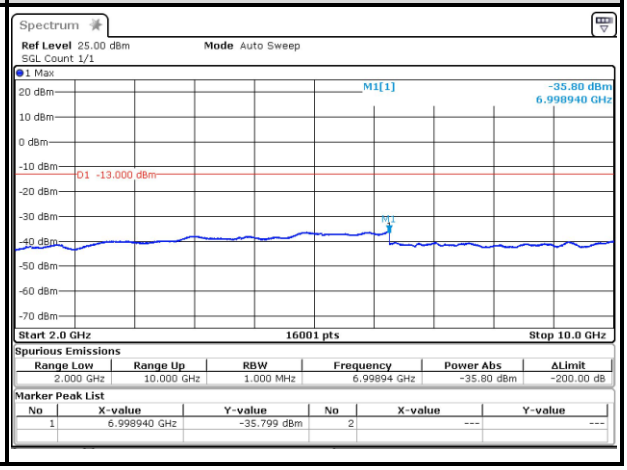


10GHz ~ 20GHz

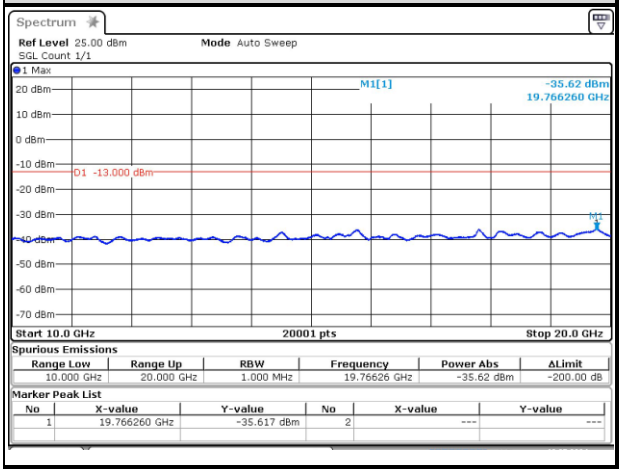


QPSK - High Freq (1750.0 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz





10GHz ~ 20GHz

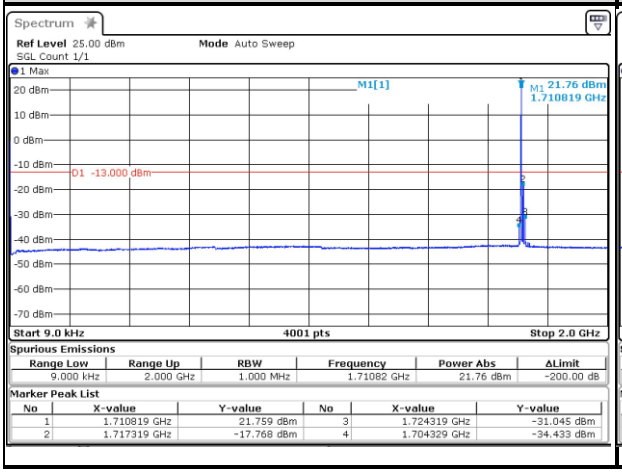


15MHz

QPSK - Low Freq (1717.5 MHz)

RB Size =1, RB Offset = 0

9kHz ~ 2GHz



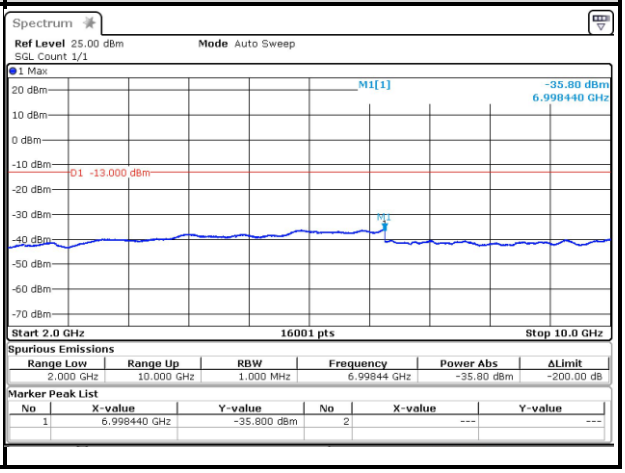
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	2.000 GHz	1.000 MHz	1.71082 GHz	21.76 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	1.710819 GHz	21.759 dBm	3	1.724319 GHz	-31.045 dBm
2	1.717319 GHz	-17.768 dBm	4	1.704329 GHz	-34.433 dBm

2GHz ~ 10GHz



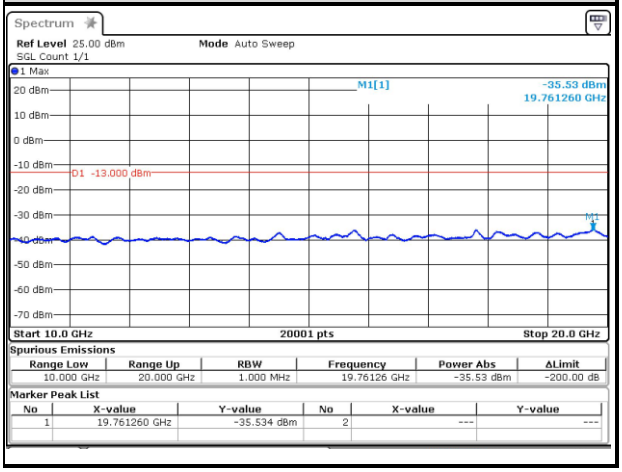
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.000 GHz	10.000 GHz	1.000 MHz	6.99844 GHz	-35.80 dBm	-200.00 dB

Marker Peak List

No	X-value	Y-value	No	X-value	Y-value
1	6.998440 GHz	-35.800 dBm	2	---	---

10GHz ~ 20GHz



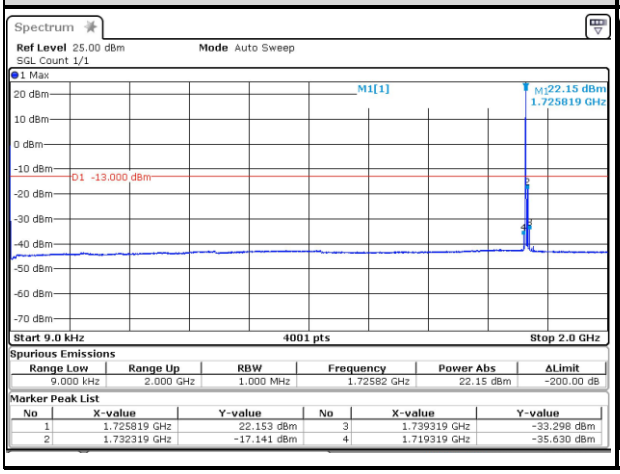
Spurious Emissions

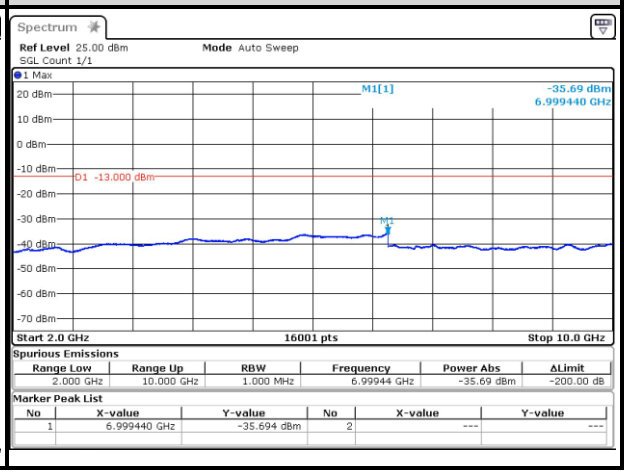
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
10.000 GHz	20.000 GHz	1.000 MHz	19.76126 GHz	-35.53 dBm	-200.00 dB

Marker Peak List

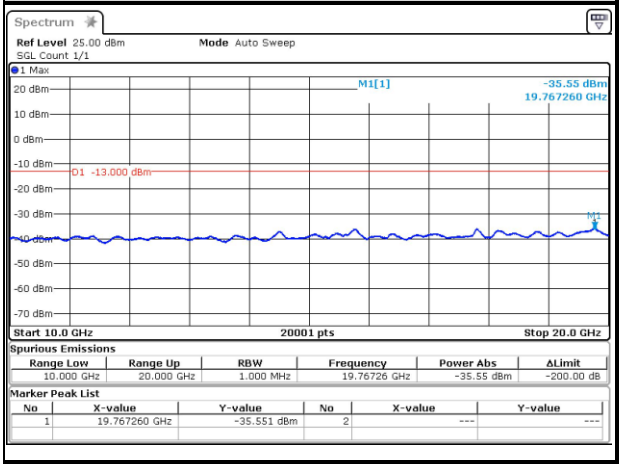
No	X-value	Y-value	No	X-value	Y-value
1	19.761260 GHz	-35.534 dBm	2	---	---

QPSK - Mid Freq (1732.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz

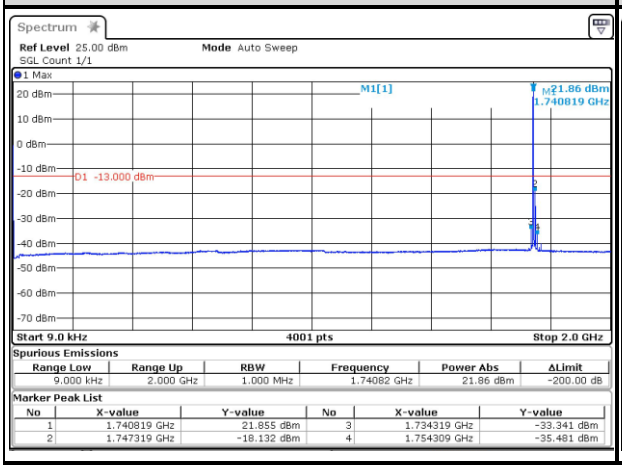


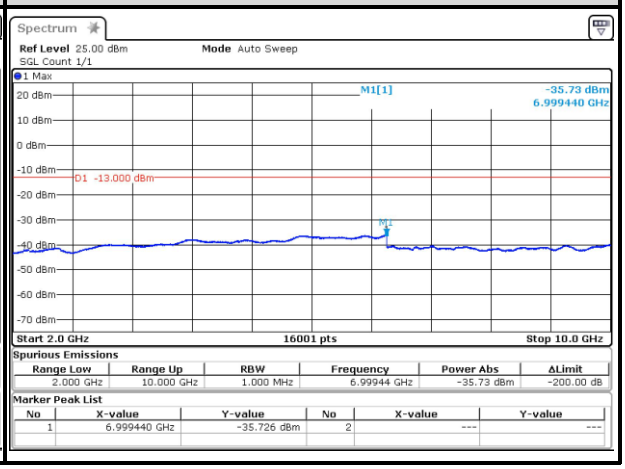


10GHz ~ 20GHz

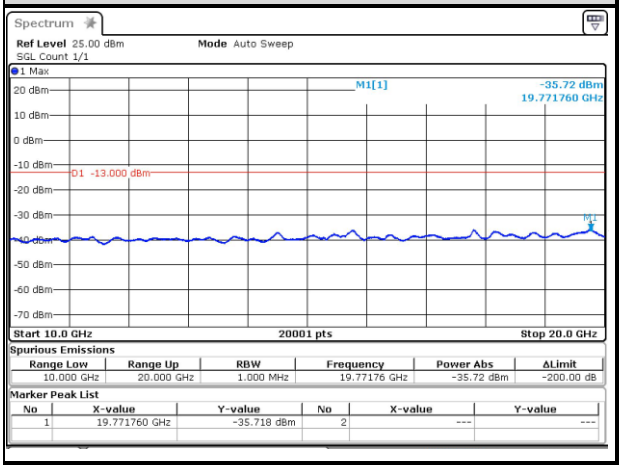


QPSK - High Freq (1747.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz



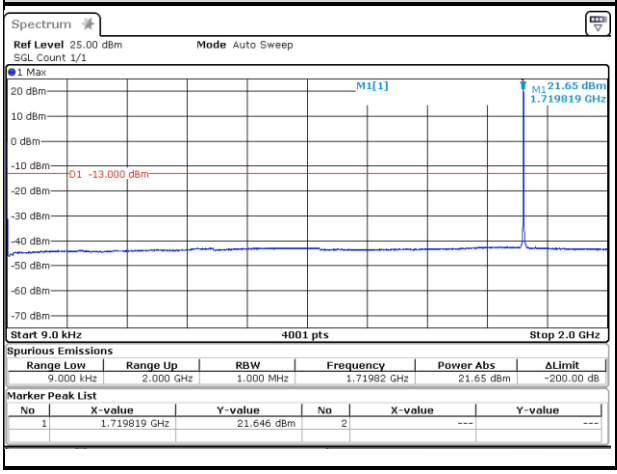


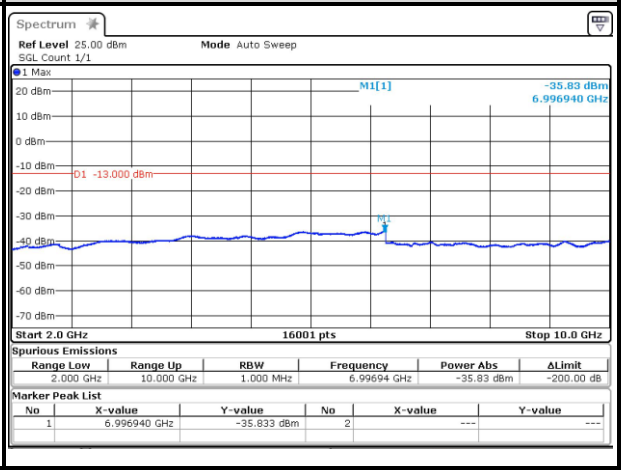
10GHz ~ 20GHz



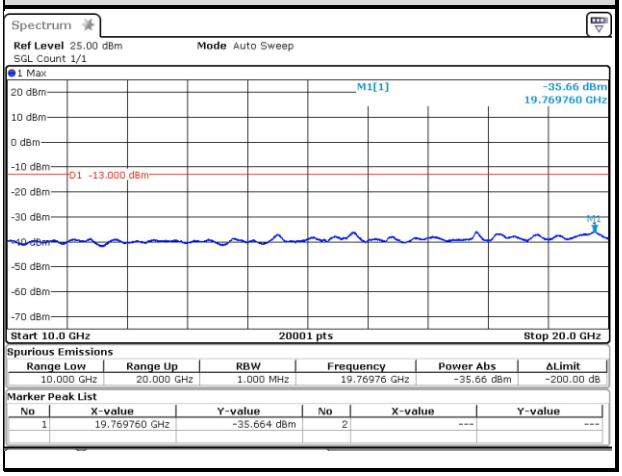
20MHz

QPSK - Low Freq (1720.0 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz

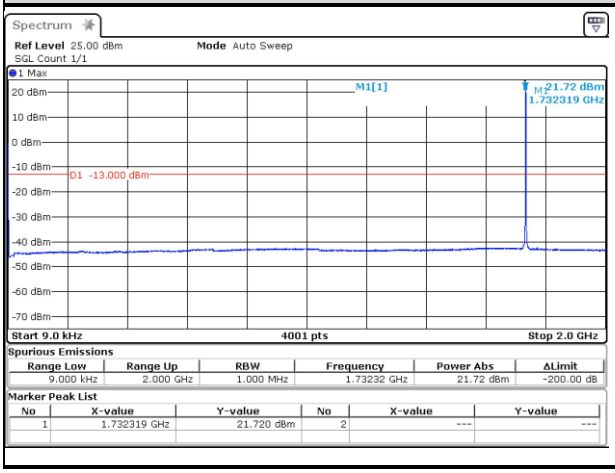


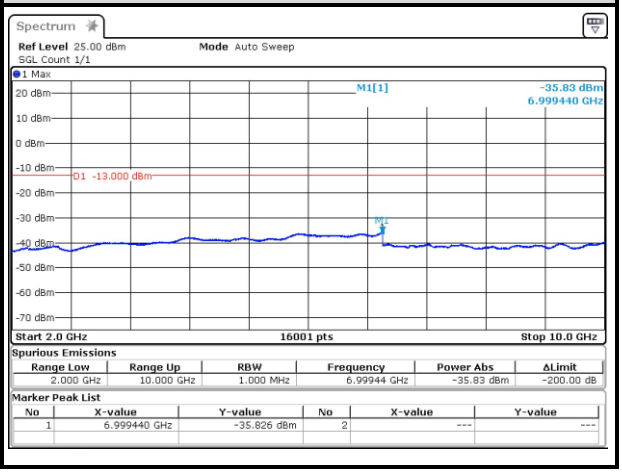


10GHz ~ 20GHz

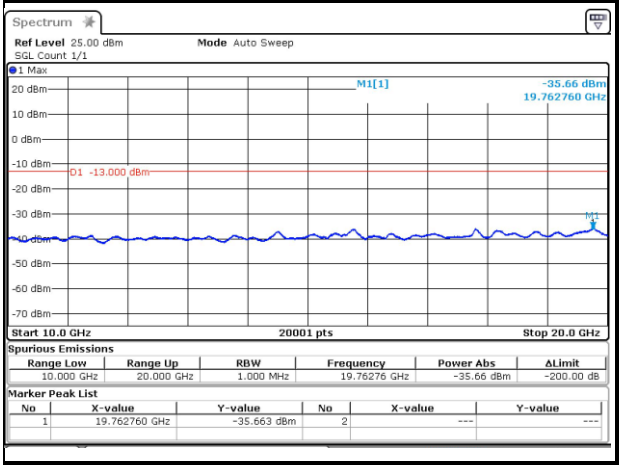


QPSK - Mid Freq (1732.5 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz

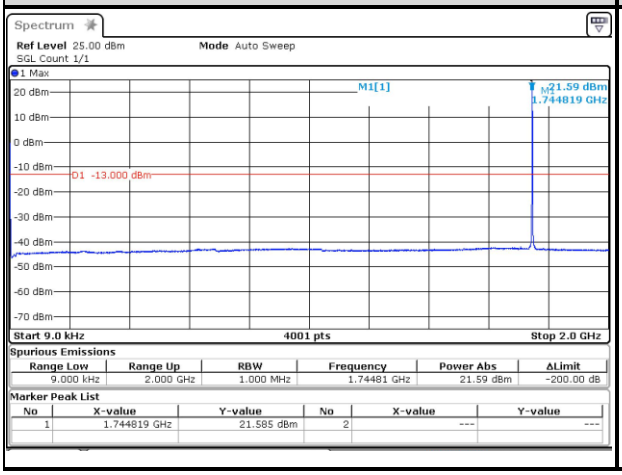


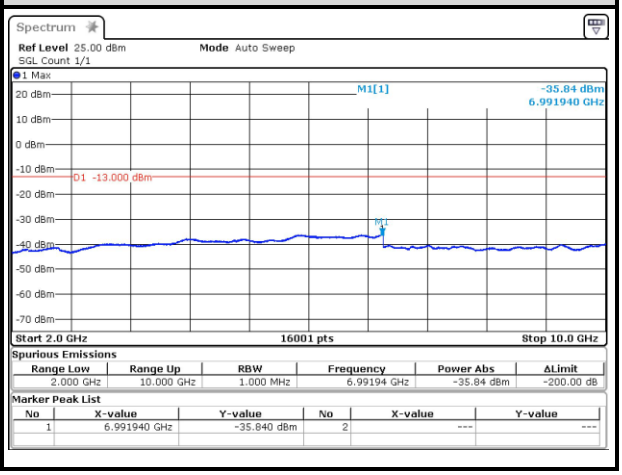


10GHz ~ 20GHz

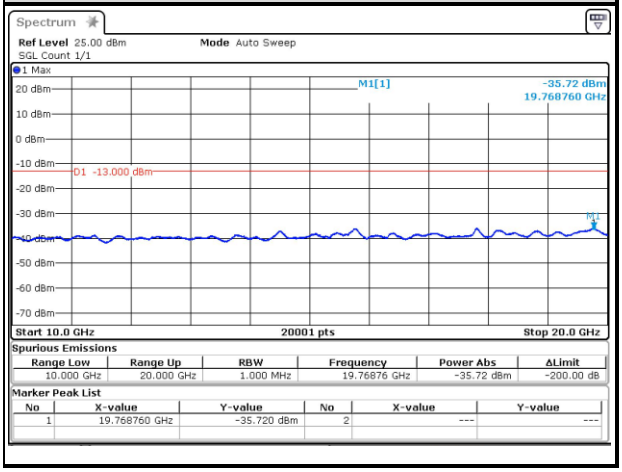


QPSK - High Freq (1745.0 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz



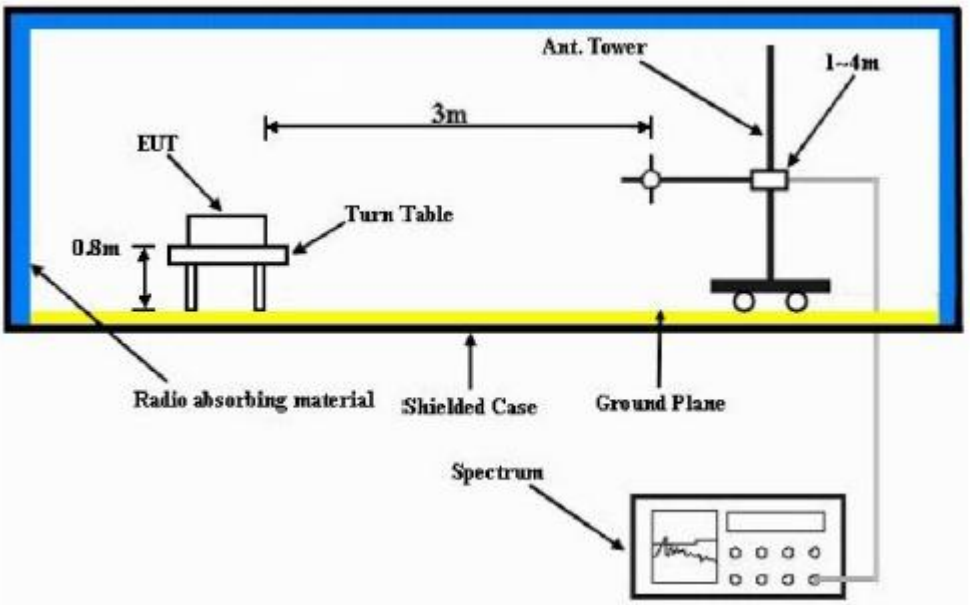


10GHz ~ 20GHz



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 4 (1710-1755MHz)

SAC Transmitter Radiated Emission:

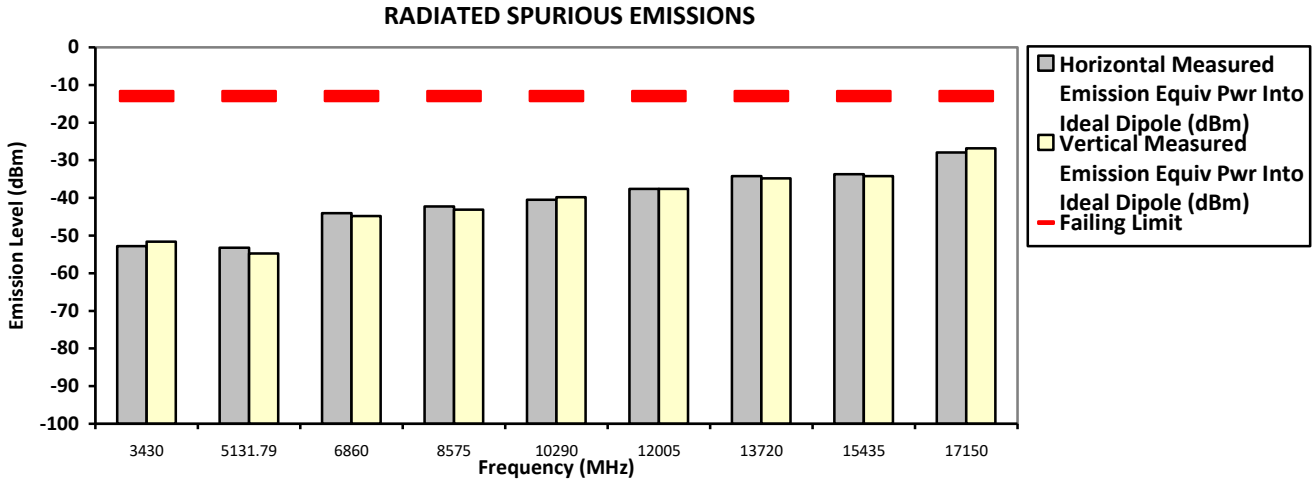
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) X-Plane

1715.000000 MHz (Low) **Bandwidth 10MHz** **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)
3430.0000	-13.0000	-52.8281 **	-51.6298 **
5131.7900	-13.0000	-53.2400 *	-54.7700 *
6860.0000	-13.0000	-44.0263 **	-44.8552 **
8575.0000	-13.0000	-42.2953 **	-43.1498 **
10290.0000	-13.0000	-40.4934 **	-39.8301 **
12005.0000	-13.0000	-37.6441 **	-37.5897 **
13720.0000	-13.0000	-34.1695 **	-34.7716 **
15435.0000	-13.0000	-33.7349 **	-34.2170 **
17150.0000	-13.0000	-27.9139 **	-26.8573 **



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 **Thu, 28 Mar, 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:

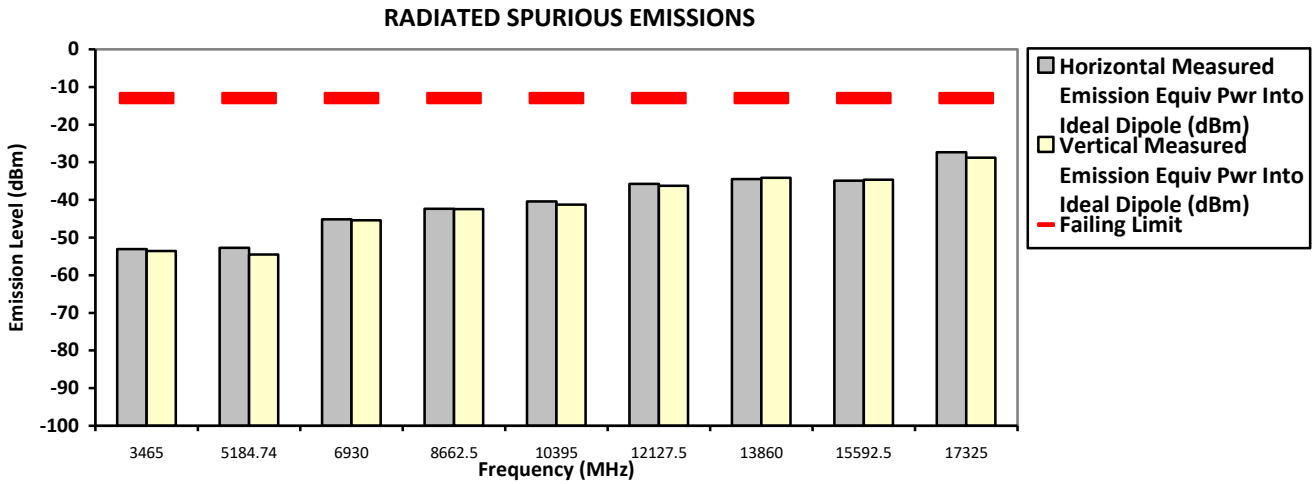
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) X-Plane

1732.500000 MHz (Mid) **Bandwidth 10MHz** **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)
3465.0000	-13.0000	-53.0486 **	-53.5619 **
5184.7400	-13.0000	-52.6900 *	-54.4700 *
6930.0000	-13.0000	-45.1224 **	-45.3854 **
8662.5000	-13.0000	-42.3695 **	-42.4258 **
10395.0000	-13.0000	-40.3843 **	-41.2340 **
12127.5000	-13.0000	-35.7225 **	-36.2892 **
13860.0000	-13.0000	-34.4398 **	-34.1501 **
15592.5000	-13.0000	-34.8860 **	-34.6157 **
17325.0000	-13.0000	-27.3299 **	-28.7358 **



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 **Thu, 28 Mar, 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:

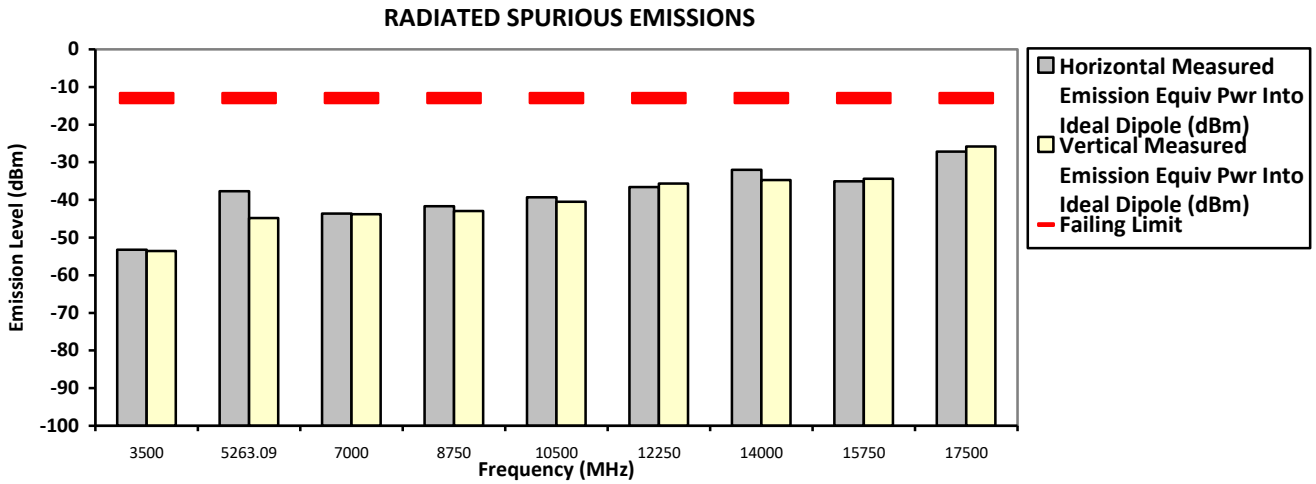
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) X-Plane

1750.000000 MHz (High) **Bandwidth 10MHz** **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)
3500.0000	-13.0000	-53.2305 **	-53.5978 **
5263.0900	-13.0000	-37.6800 *	-44.8600 *
7000.0000	-13.0000	-43.5996 **	-43.7945 **
8750.0000	-13.0000	-41.7196 **	-42.9719 **
10500.0000	-13.0000	-39.2975 **	-40.5273 **
12250.0000	-13.0000	-36.5929 **	-35.6953 **
14000.0000	-13.0000	-32.0200 **	-34.7005 **
15750.0000	-13.0000	-35.0220 **	-34.3943 **
17500.0000	-13.0000	-27.1679 **	-25.8072 **



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 **Thu, 28 Mar, 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:

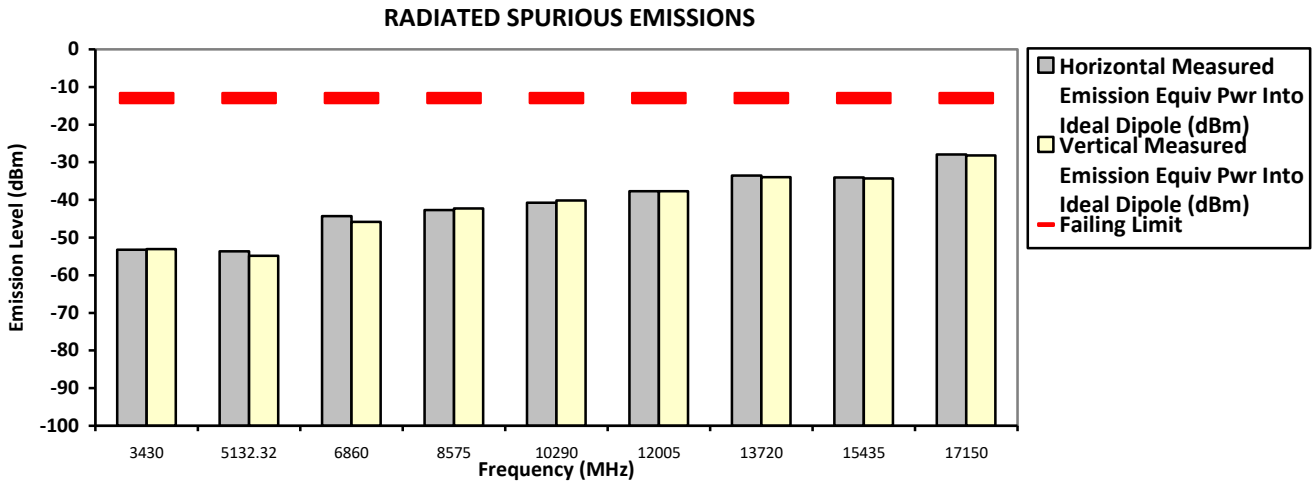
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) Y-Plane

1715.000000 MHz (Low) **Bandwidth 10MHz** **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)
3430.0000	-13.0000	-53.2422 **	-53.0498 **
5132.3200	-13.0000	-53.6400 *	-54.8600 *
6860.0000	-13.0000	-44.2739 **	-45.8069 **
8575.0000	-13.0000	-42.6944 **	-42.2771 **
10290.0000	-13.0000	-40.7690 **	-40.1596 **
12005.0000	-13.0000	-37.6568 **	-37.7152 **
13720.0000	-13.0000	-33.5379 **	-33.9230 **
15435.0000	-13.0000	-34.0371 **	-34.2830 **
17150.0000	-13.0000	-27.9698 **	-28.1700 **



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 **Thu, 28 Mar, 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:

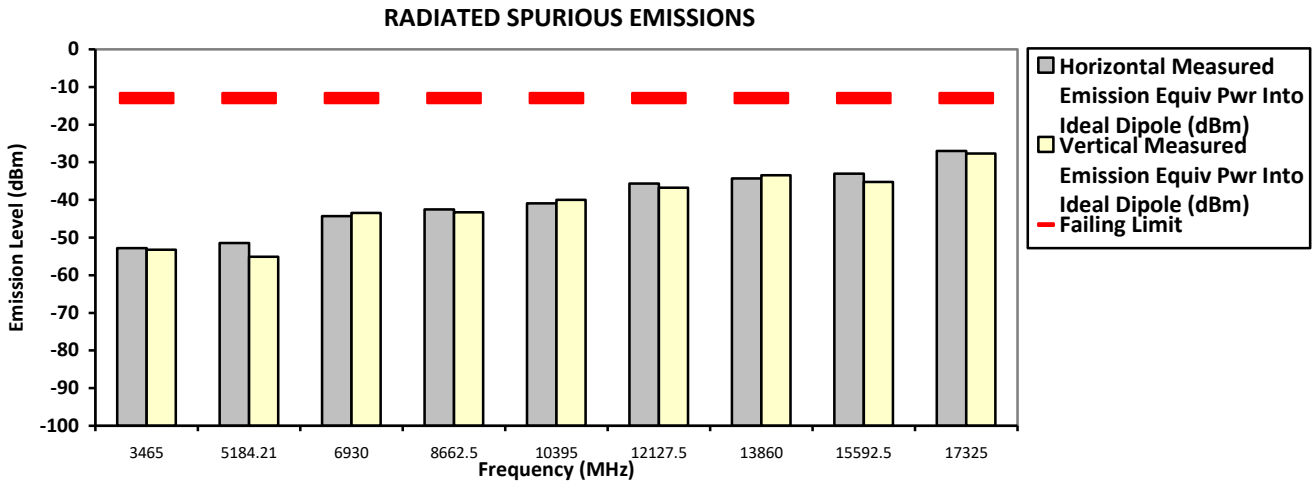
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) Y-Plane

1732.500000 MHz (Mid) **Bandwidth 10MHz** **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)
3465.0000	-13.0000	-52.8407 **	-53.2611 **
5184.2100	-13.0000	-51.4500 *	-55.1000 *
6930.0000	-13.0000	-44.2899 **	-43.4260 **
8662.5000	-13.0000	-42.5569 **	-43.2694 **
10395.0000	-13.0000	-40.9152 **	-39.9556 **
12127.5000	-13.0000	-35.6836 **	-36.7663 **
13860.0000	-13.0000	-34.2829 **	-33.4619 **
15592.5000	-13.0000	-32.9894 **	-35.2486 **
17325.0000	-13.0000	-27.0262 **	-27.6578 **



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 **Thu, 28 Mar, 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:

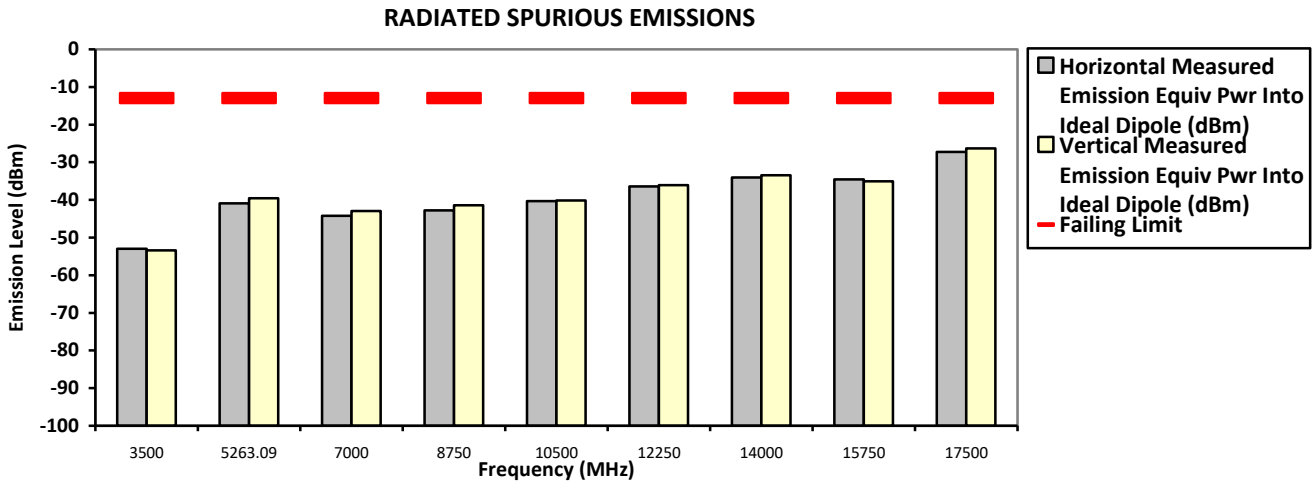
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) Y-Plane

1750.000000 MHz (High) **Bandwidth 10MHz** **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)
3500.0000	-13.0000	-53.0031 **	-53.3840 **
5263.0900	-13.0000	-40.9000 *	-39.5200 *
7000.0000	-13.0000	-44.2136 **	-42.9584 **
8750.0000	-13.0000	-42.8029 **	-41.4178 **
10500.0000	-13.0000	-40.3445 **	-40.1713 **
12250.0000	-13.0000	-36.3960 **	-36.1016 **
14000.0000	-13.0000	-34.0371 **	-33.4563 **
15750.0000	-13.0000	-34.5352 **	-35.0554 **
17500.0000	-13.0000	-27.2776 **	-26.2869 **



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 **Thu, 28 Mar, 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:

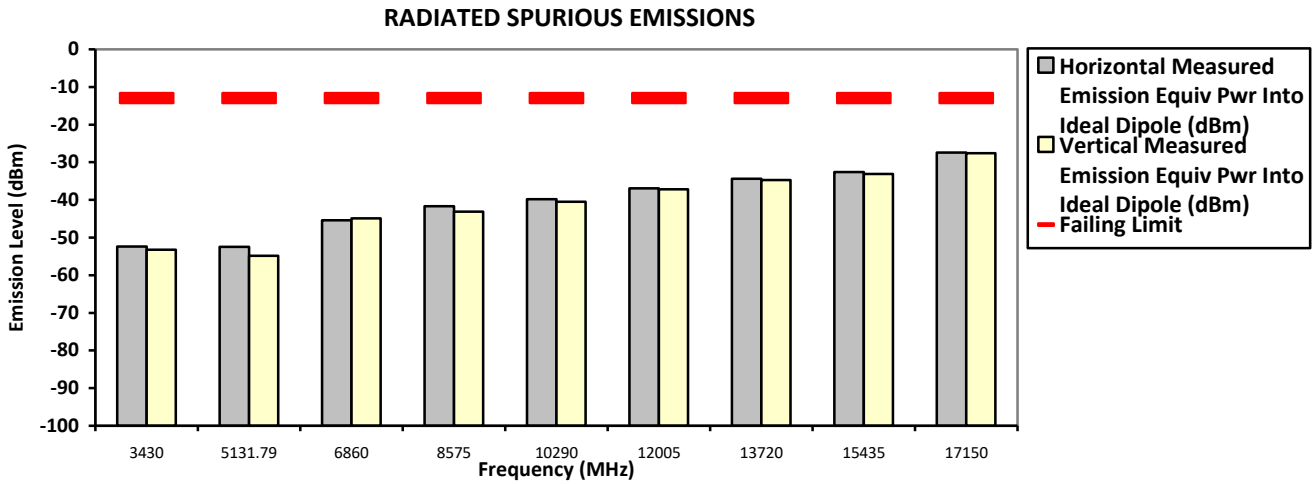
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) Z-Plane

1715.000000 MHz (Low) **Bandwidth 10MHz** **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)
3430.0000	-13.0000	-52.3564 **	-53.2198 **
5131.7900	-13.0000	-52.4200 *	-54.8100 *
6860.0000	-13.0000	-45.3934 **	-44.9212 **
8575.0000	-13.0000	-41.7082 **	-43.1419 **
10290.0000	-13.0000	-39.8215 **	-40.4598 **
12005.0000	-13.0000	-36.9175 **	-37.2057 **
13720.0000	-13.0000	-34.3764 **	-34.7488 **
15435.0000	-13.0000	-32.6218 **	-33.0697 **
17150.0000	-13.0000	-27.4149 **	-27.5826 **



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 **Fri, 29 Mar, 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:

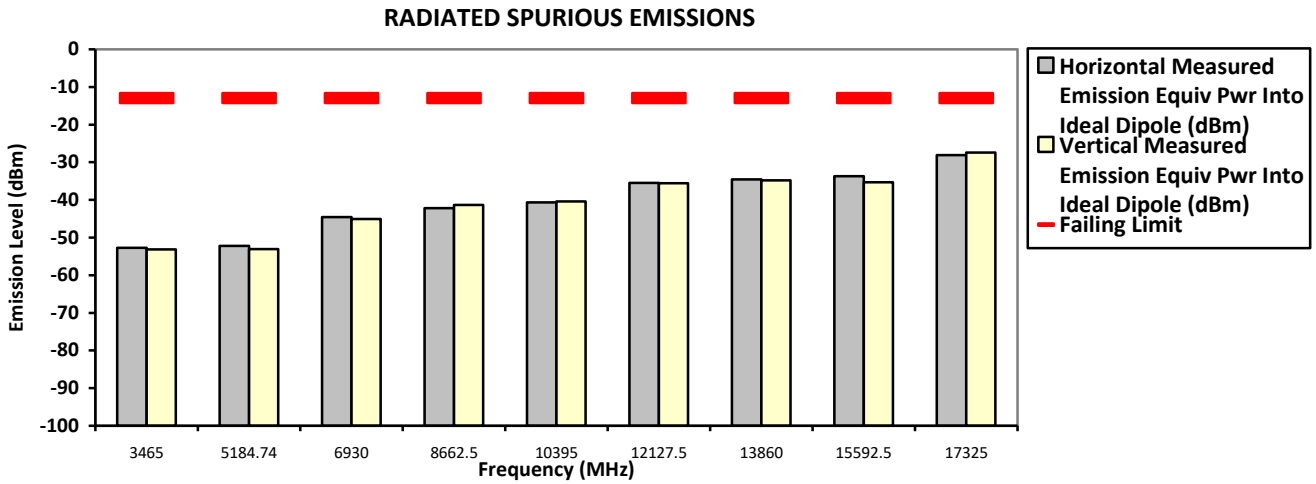
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) Z-Plane

1732.500000 MHz (Mid) **Bandwidth 10MHz** **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)
3465.0000	-13.0000	-52.7169 **	-53.1148 **
5184.7400	-13.0000	-52.1900 *	-53.0800 *
6930.0000	-13.0000	-44.6084 **	-45.0953 **
8662.5000	-13.0000	-42.1843 **	-41.3470 **
10395.0000	-13.0000	-40.7029 **	-40.4223 **
12127.5000	-13.0000	-35.4858 **	-35.5388 **
13860.0000	-13.0000	-34.5348 **	-34.8436 **
15592.5000	-13.0000	-33.7229 **	-35.3426 **
17325.0000	-13.0000	-28.0891 **	-27.4462 **



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 **Fri, 29 Mar, 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:

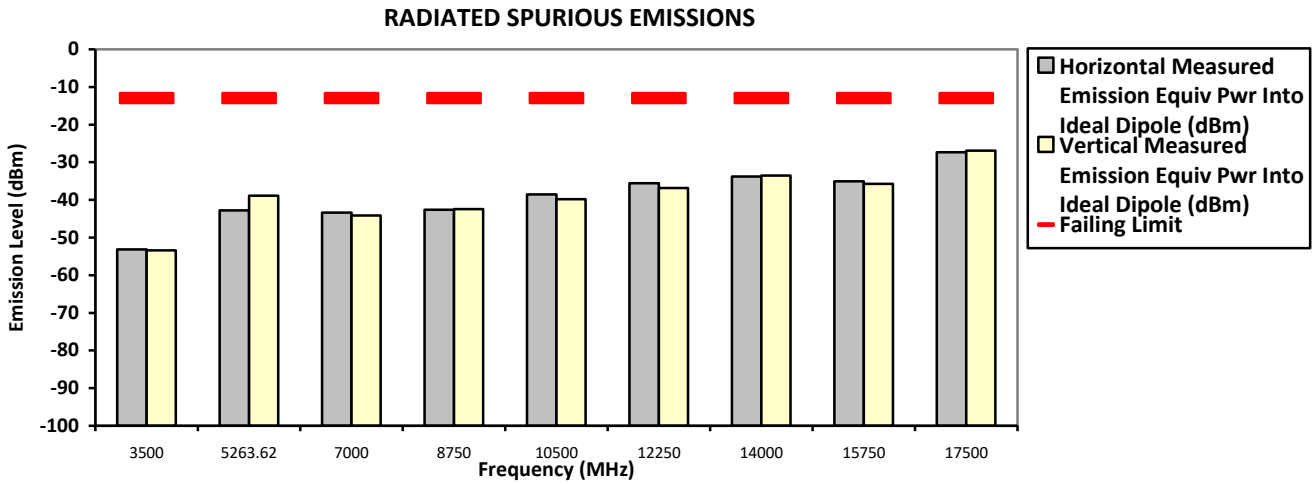
Model Number: H35XDT9PW8AN-H **S/N: 022TAB0346** **SR: 40793-EMC-00071**

Battery Part No: PMNN4818A **Accy Part No: AN000452A01**

Test Mode: TX LTE (Band 4) Z-Plane

1750.000000 MHz (High) **Bandwidth 10MHz** **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)
3500.0000	-13.0000	-53.1341 **	-53.3880 **
5263.6200	-13.0000	-42.7900 *	-38.8600 *
7000.0000	-13.0000	-43.3989 **	-44.1627 **
8750.0000	-13.0000	-42.6187 **	-42.4216 **
10500.0000	-13.0000	-38.5352 **	-39.8479 **
12250.0000	-13.0000	-35.6092 **	-36.8399 **
14000.0000	-13.0000	-33.7523 **	-33.5229 **
15750.0000	-13.0000	-35.0924 **	-35.7360 **
17500.0000	-13.0000	-27.3212 **	-26.9143 **



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 **Fri, 29 Mar, 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

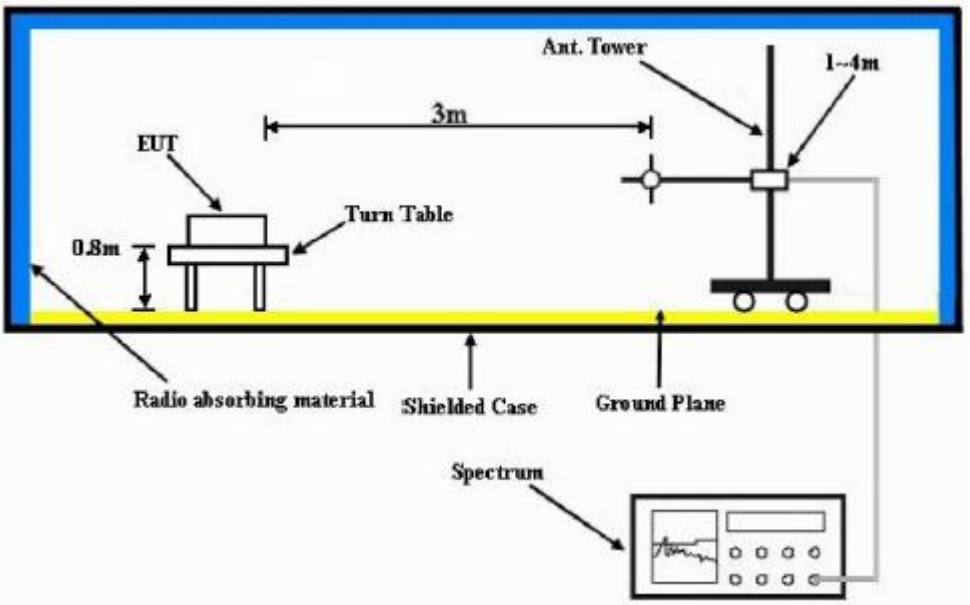
System MU: 4.03 dB

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

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

1.13.3. Equivalent Isotropically Radiated Power (EIRP) - LTE Band 4 (1710-1755MHz)

Refer to 1.6.4 / Not Performed.

--End of Test Report--