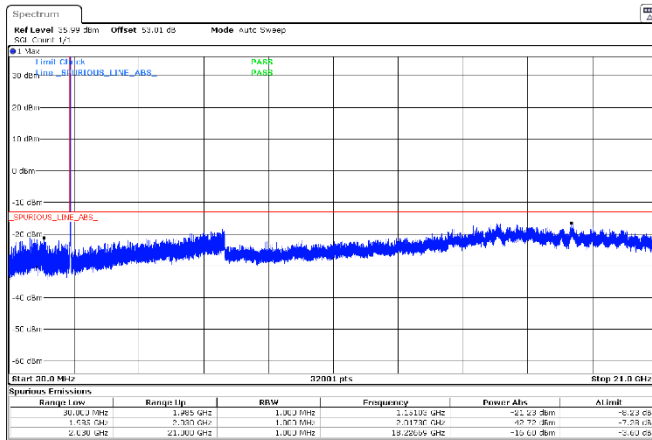
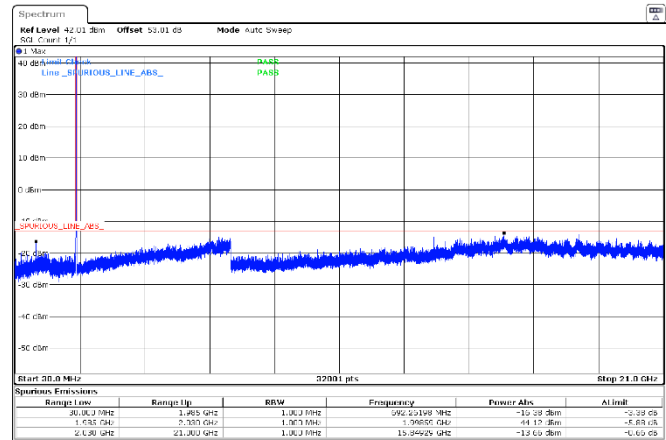


Section 8
Test name
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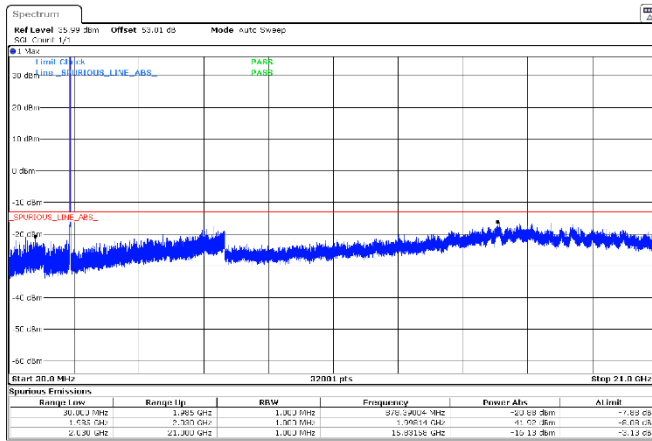
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



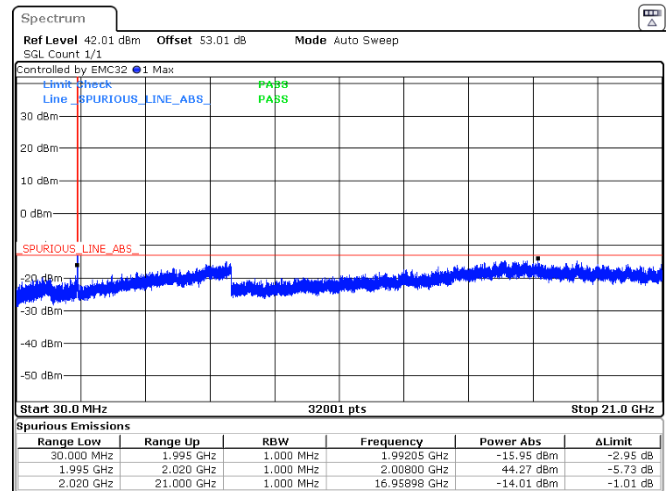
Spurious emissions, TX 2010 MHz, BW: 20MHz, MOD: QPSK



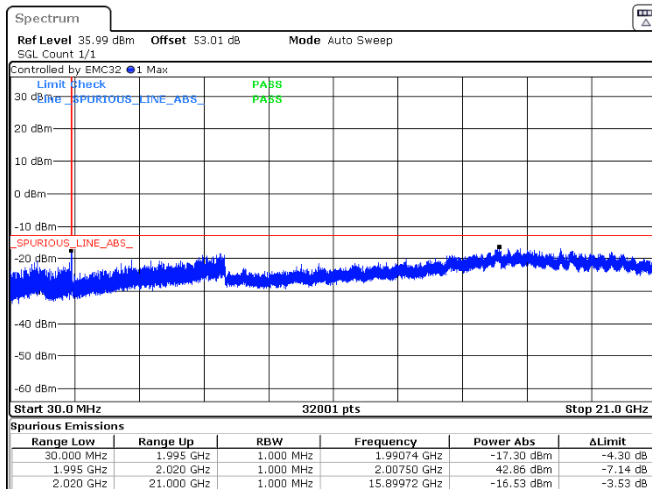
Spurious emissions, TX 1957.5 MHz, BW: 5MHz, MOD: 16QAM



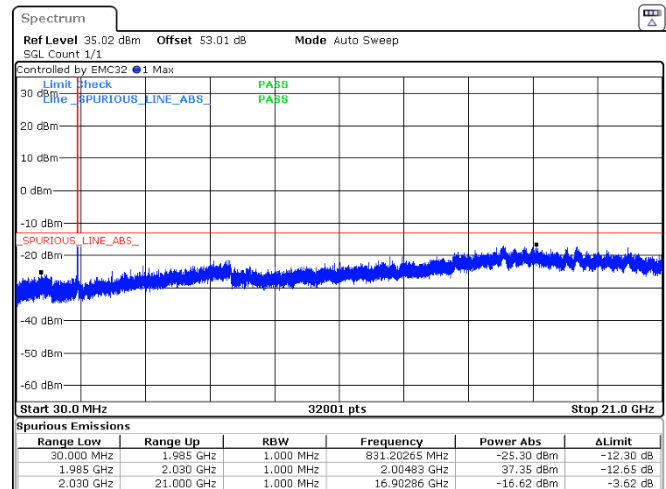
Spurious emissions, TX 2005 MHz, BW: 20MHz, MOD: 16QAM



Spurious emissions, TX 2007.5 MHz, BW: 5MHz, MOD: 16QAM



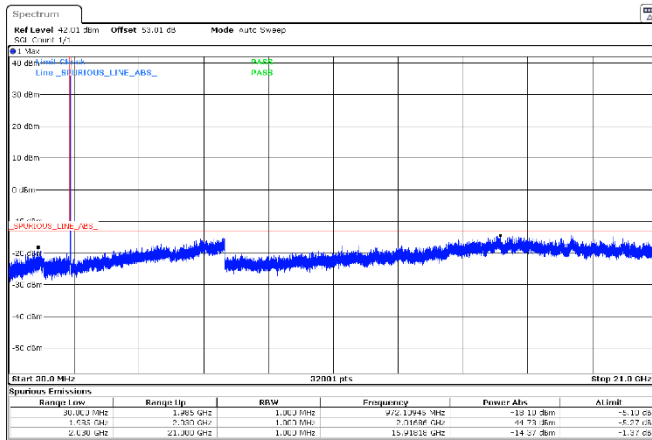
Spurious emissions, TX 2007.5 MHz, BW: 20MHz, MOD: 16QAM



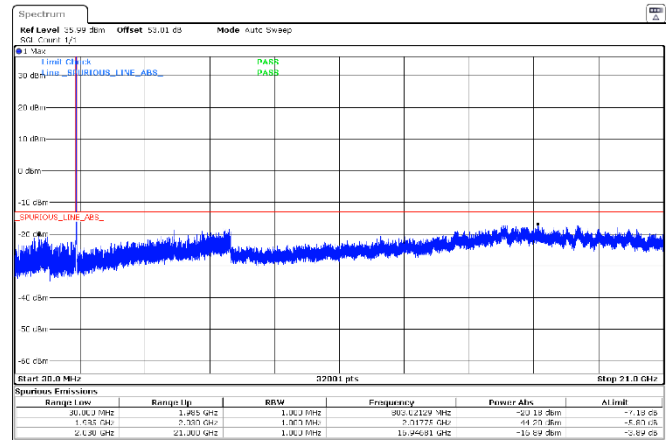
Spurious emissions, TX 2007.5 MHz, BW: 25MHz, MOD: 16QAM

Section 8
Test name
Specification

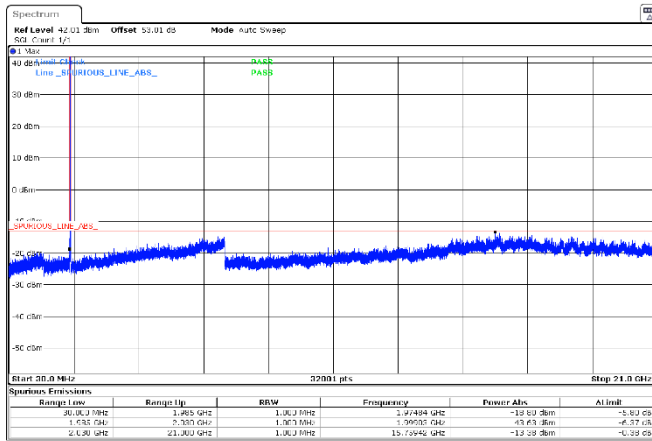
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



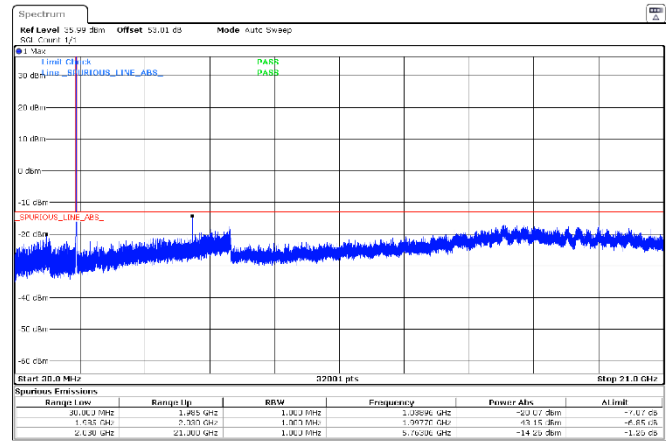
Spurious emissions, TX 2017.5 MHz, BW 5MHz, MOD 18QAM



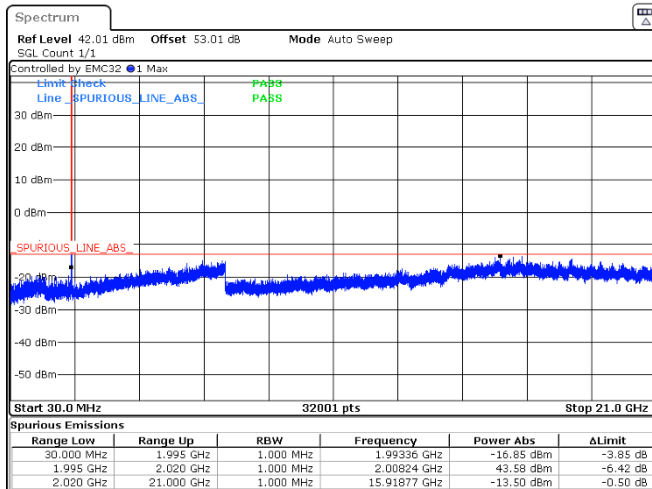
Spurious emissions, TX 2018 MHz, BW 20MHz, MOD 18QAM



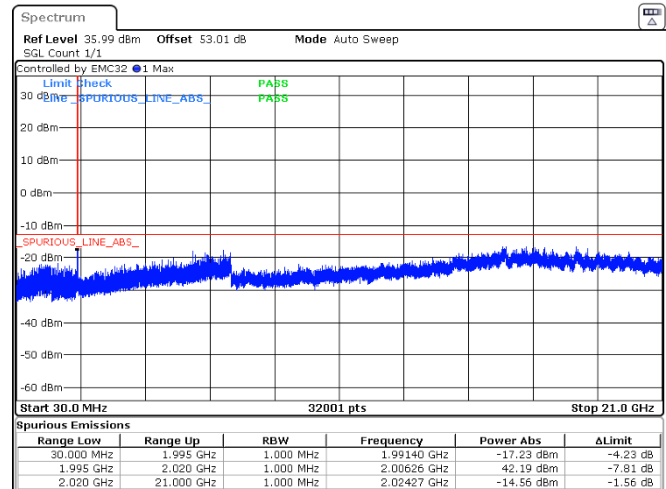
Spurious emissions, TX 1967.5 MHz, BW 5MHz, MOD 64QAM



Spurious emissions, TX 2005 MHz, BW 20MHz, MOD 64QAM



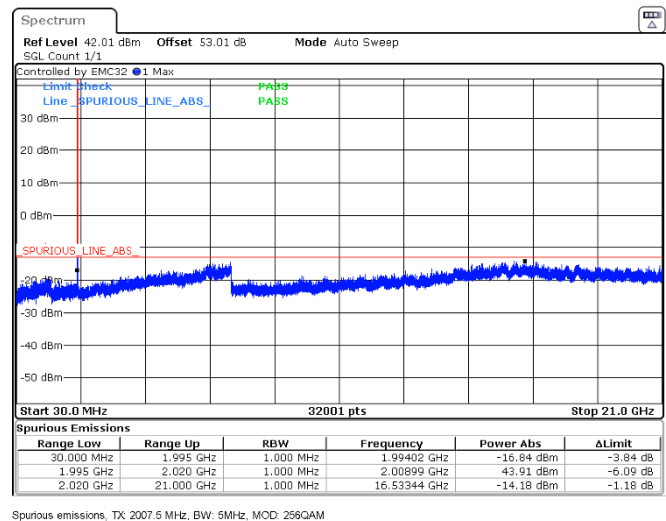
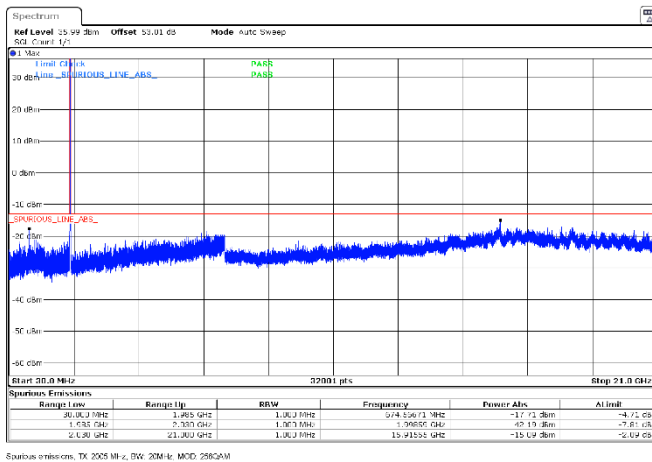
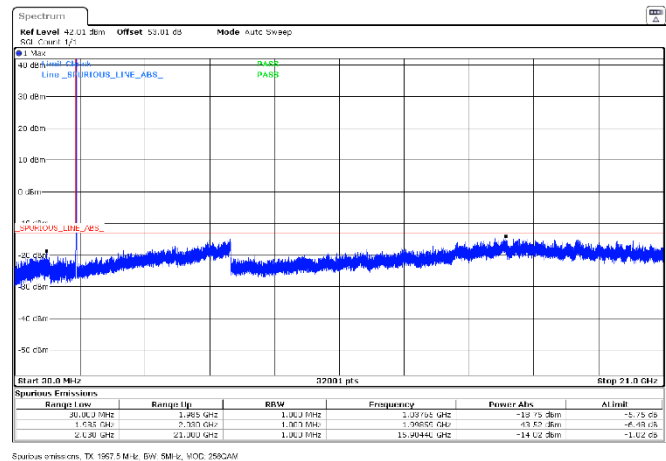
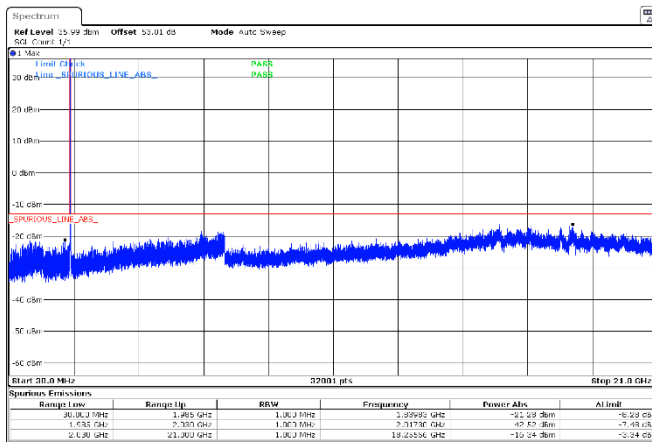
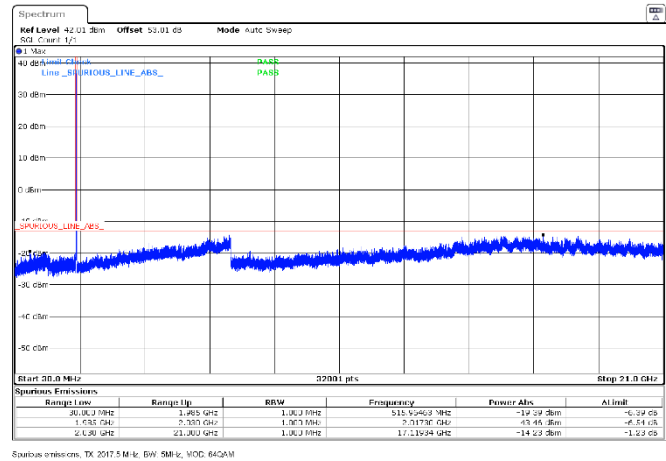
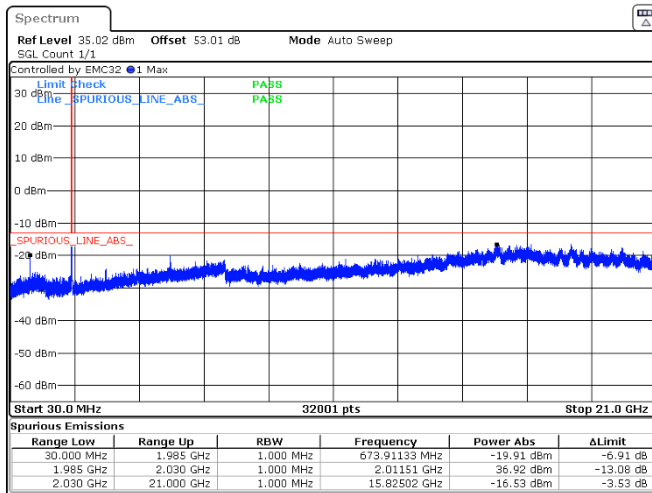
Spurious emissions, TX 2007.5 MHz, BW 5MHz, MOD 64QAM



Spurious emissions, TX 2007.5 MHz, BW 20MHz, MOD 64QAM

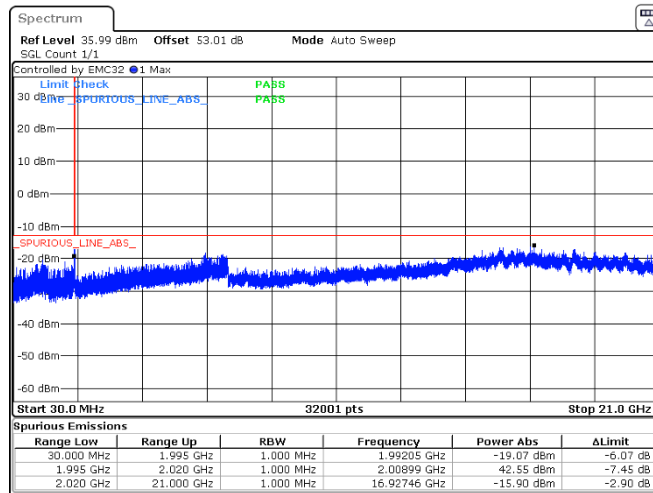
Section 8
Test name
Specification

Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27

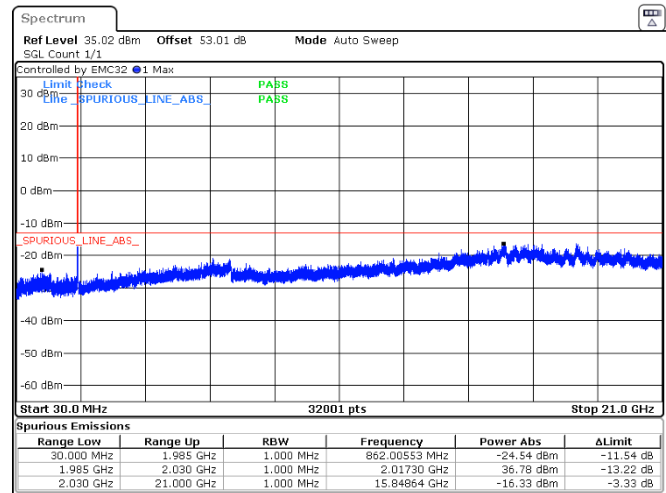


Section 8
Test name
Specification

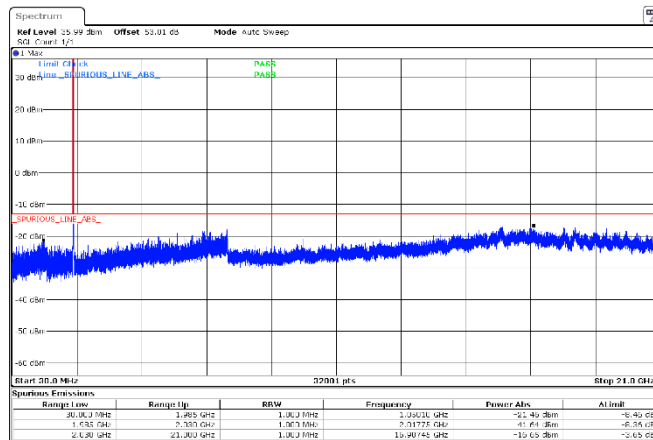
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



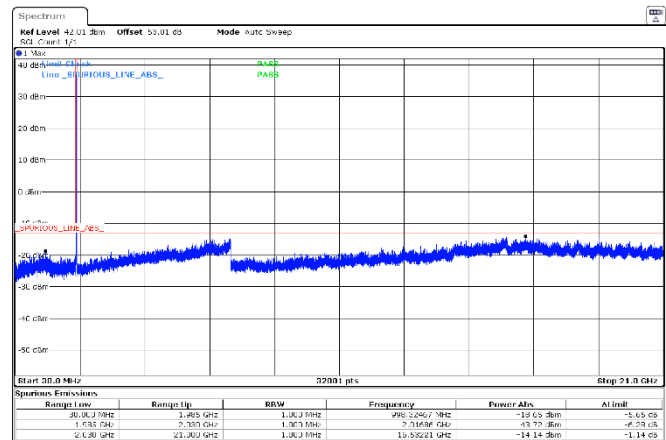
Spurious emissions, TX 2007.5 MHz, BW: 20MHz, MOD: 256QAM



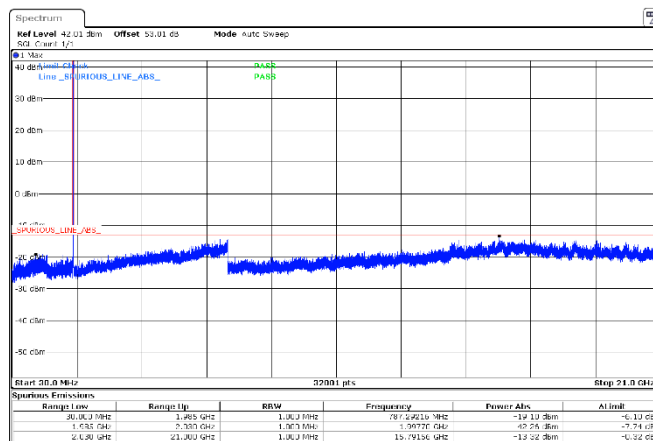
Spurious emissions, TX 2007.5 MHz, BW: 25MHz, MOD: 256QAM



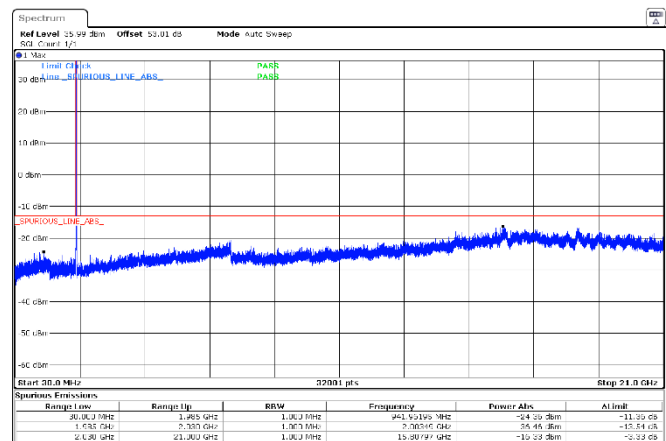
Spurious emissions, TX 2010 MHz, BW: 20MHz, MOD: 256QAM



Spurious emissions, TX 2017.5 MHz, BW: 5MHz, MOD: 256QAM



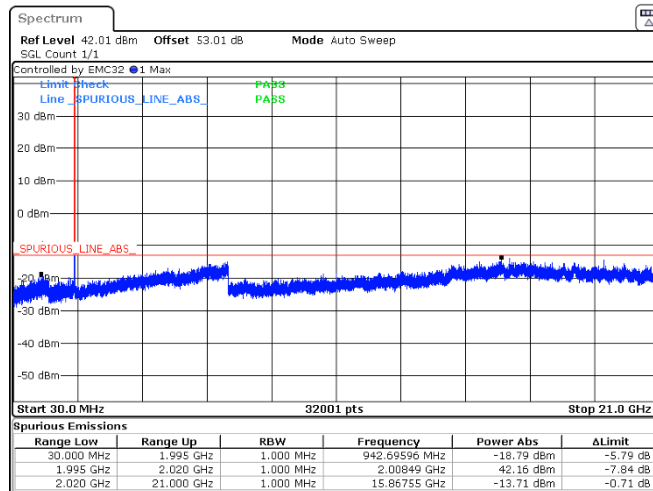
Spurious emissions, TX 1997.5 MHz, BW: 5MHz, MOD: 1024QAM



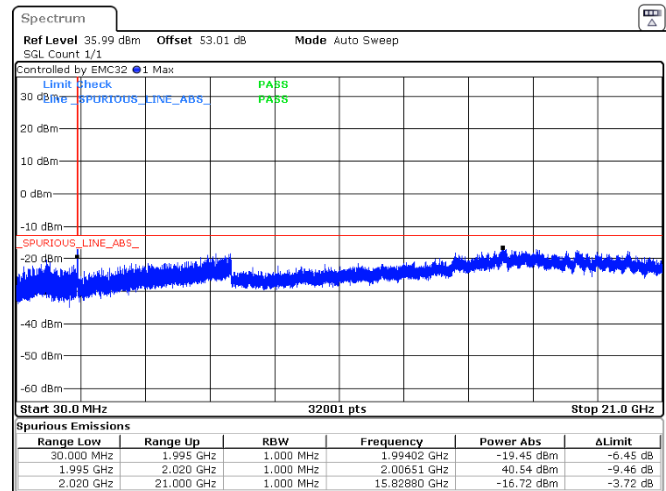
Spurious emissions, TX 2005 MHz, BW: 20MHz, MOD: 1024QAM

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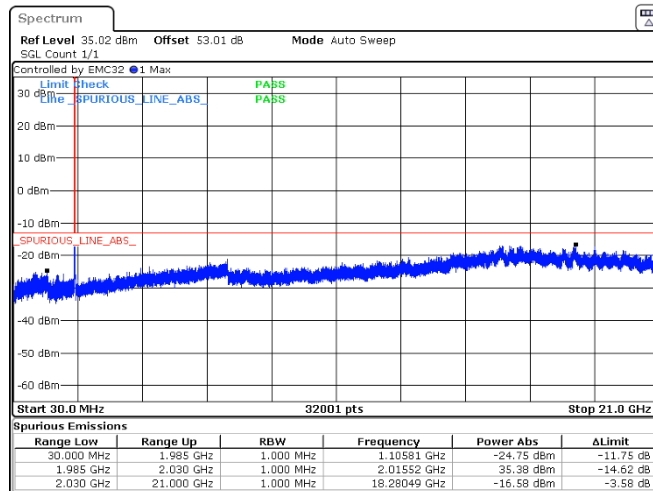
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



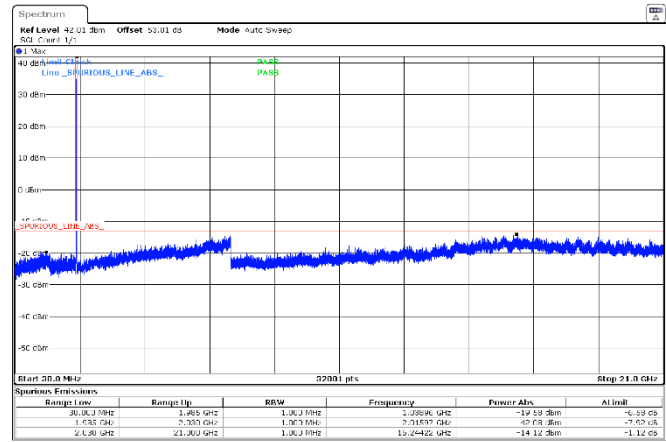
Spurious emissions, TX 2007.5 MHz, BW: 5MHz, MOD: 1024QAM



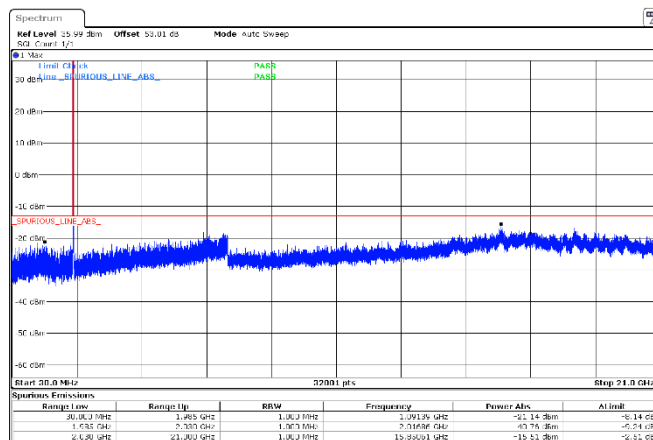
Spurious emissions, TX 2007.5 MHz, BW: 20MHz, MOD: 1024QAM



Spurious emissions, TX 2007.5 MHz, BW: 25MHz, MOD: 1024QAM



Spurious emissions, TX 2007.5 MHz, BW: 5MHz, MOD: 1024QAM



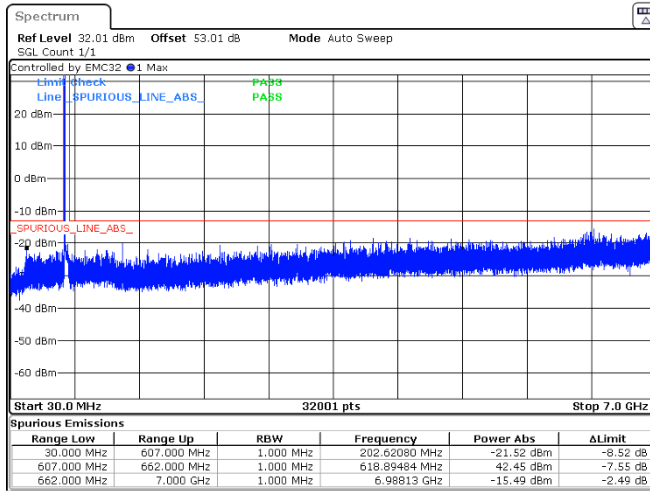
Spurious emissions, TX 2010 MHz, BW: 20MHz, MOD: 1024QAM

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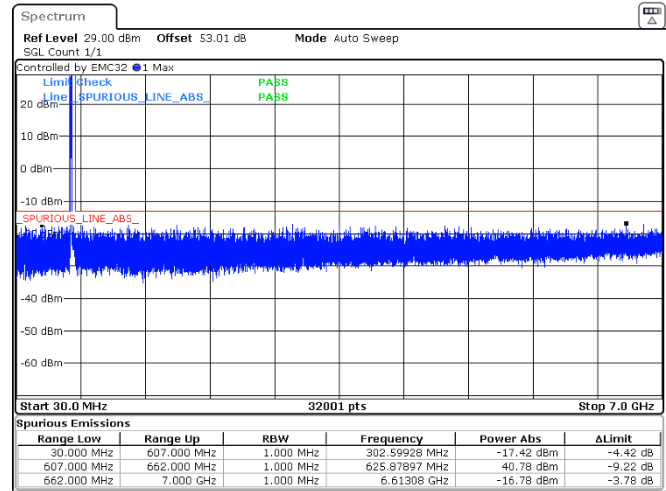
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



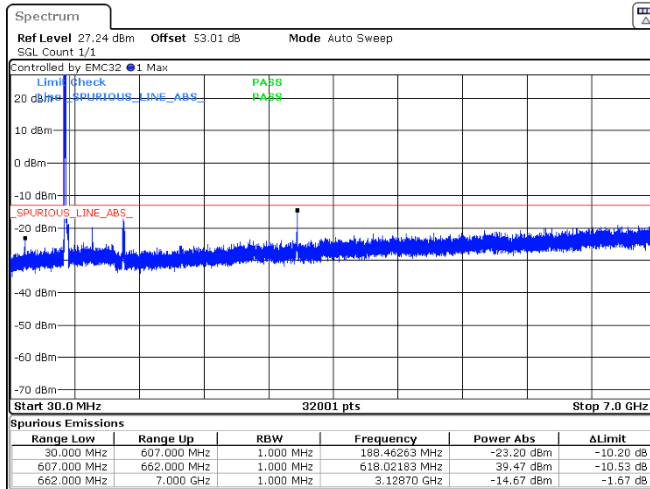
Band n71 plots



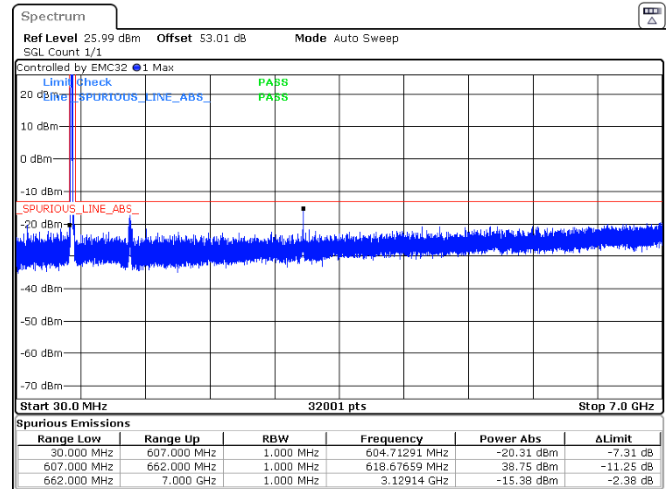
Spurious emissions, TX 619.5 MHz, BW: 5MHz, MOD: QPSK



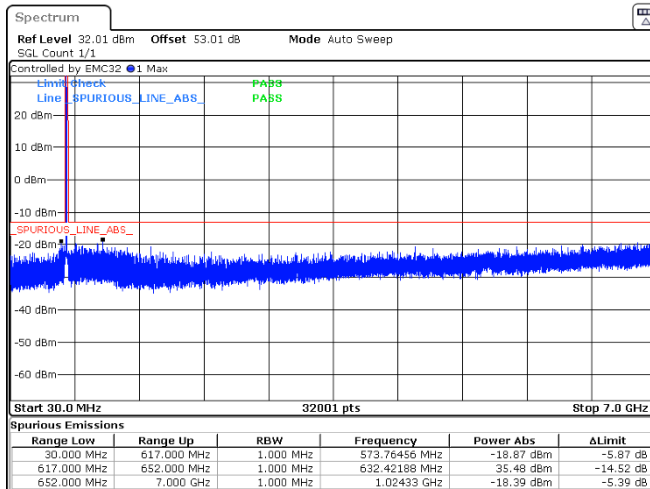
Spurious emissions, TX 622 MHz, BW: 10MHz, MOD: QPSK



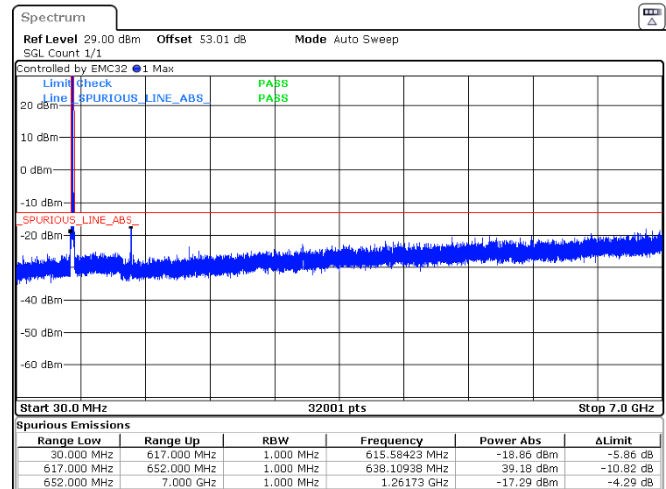
Spurious emissions, TX 624.5 MHz, BW: 15MHz, MOD: QPSK



Spurious emissions, TX 627 MHz, BW: 20MHz, MOD: QPSK



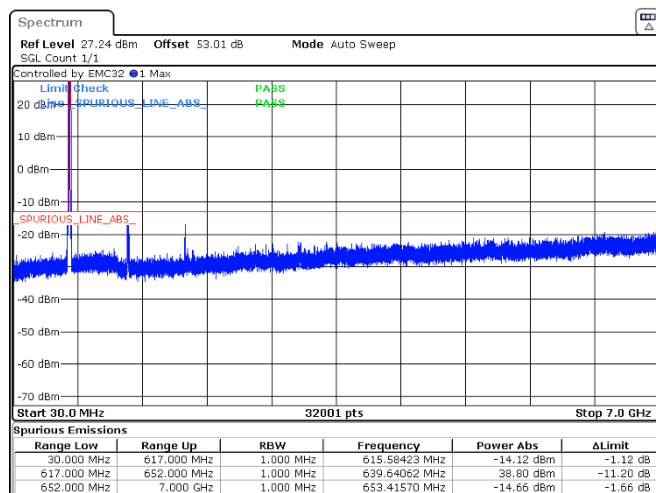
Spurious emissions, TX 634.5 MHz, BW: 5MHz, MOD: QPSK



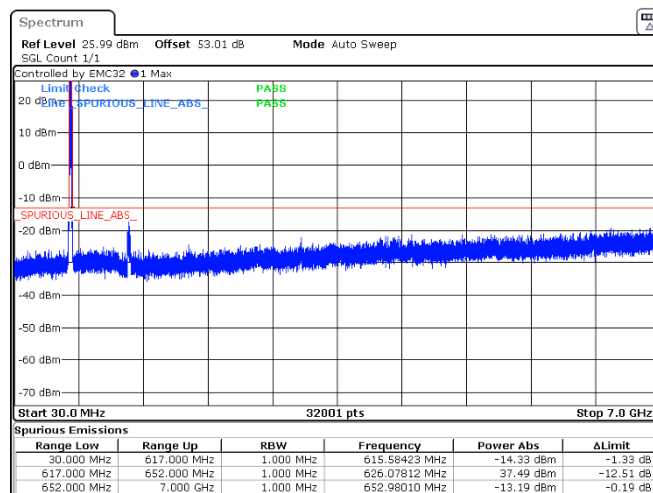
Spurious emissions, TX 634.5 MHz, BW: 10MHz, MOD: QPSK

Section 8
Test name
Specification

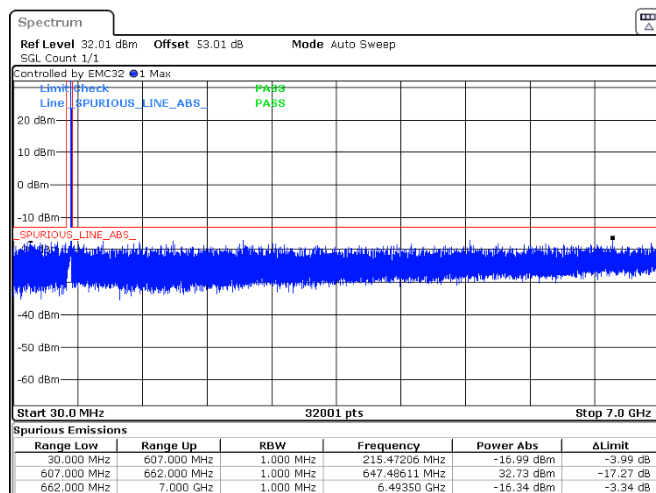
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



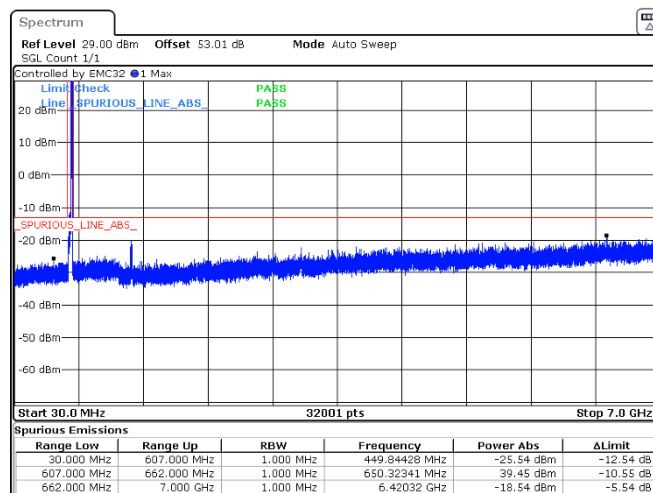
Spurious emissions, TX 634.5 MHz, BW: 15MHz, MOD: QPSK



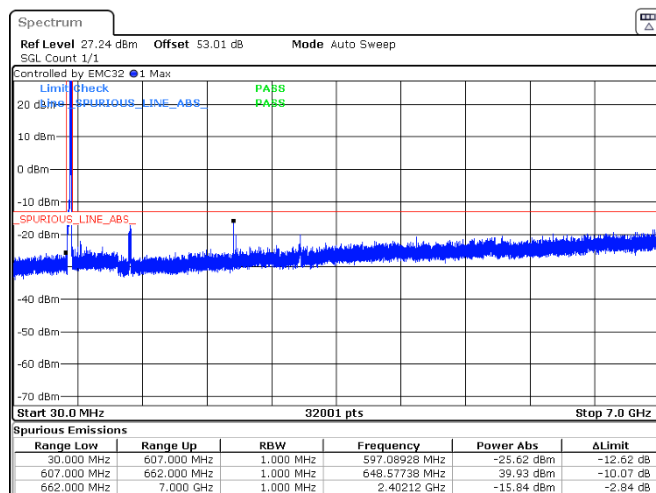
Spurious emissions, TX 634.5 MHz, BW: 20MHz, MOD: QPSK



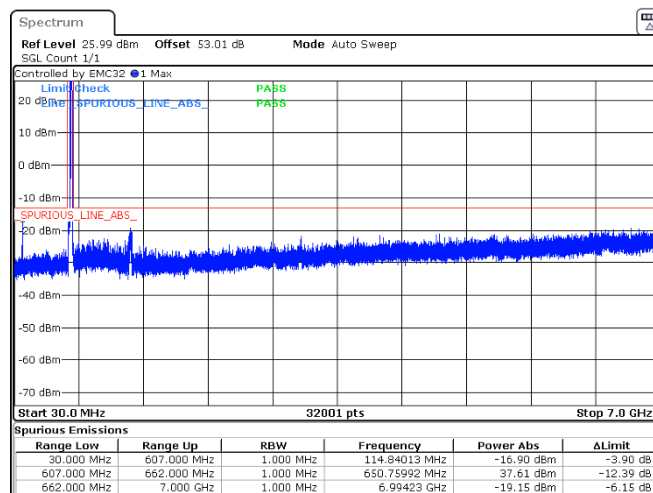
Spurious emissions, TX 649.5 MHz, BW: 5MHz, MOD: QPSK



Spurious emissions, TX 647 MHz, BW: 10MHz, MOD: QPSK



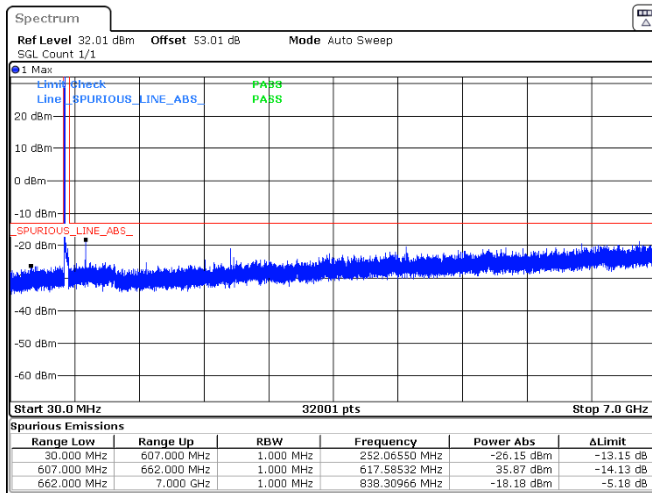
Spurious emissions, TX 644.5 MHz, BW: 15MHz, MOD: QPSK



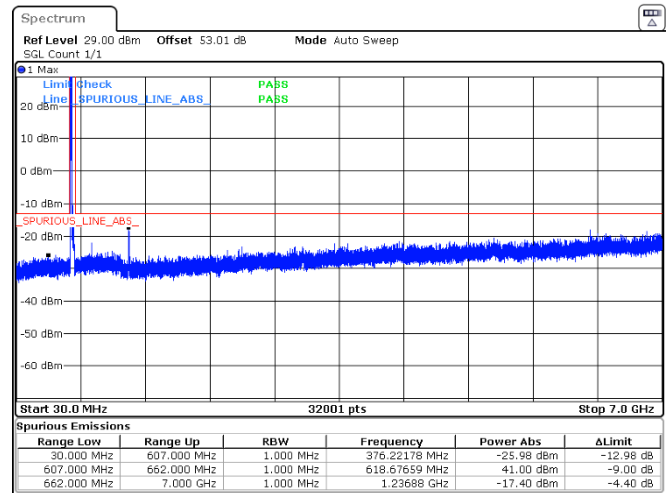
Spurious emissions, TX 642 MHz, BW: 20MHz, MOD: QPSK

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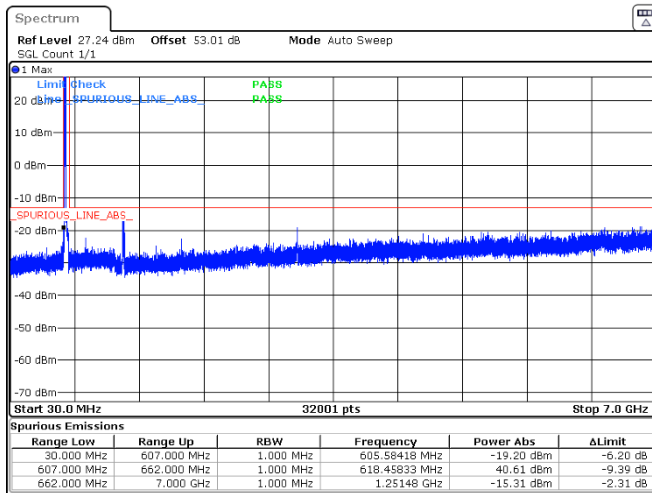
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



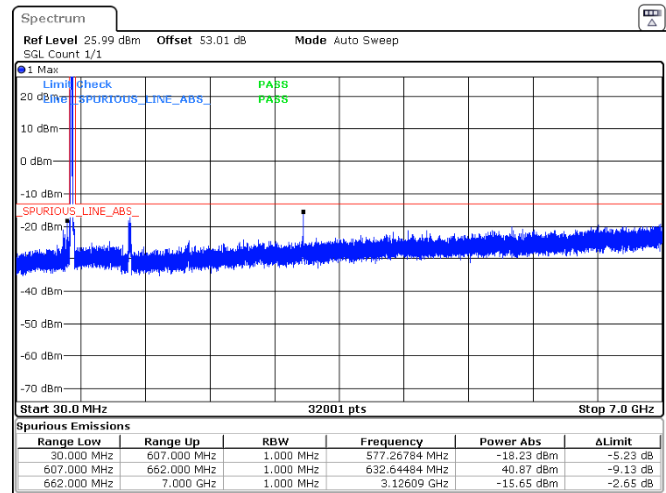
Spurious emissions, TX 619.5 MHz, BW: 5MHz, MOD: 16QAM



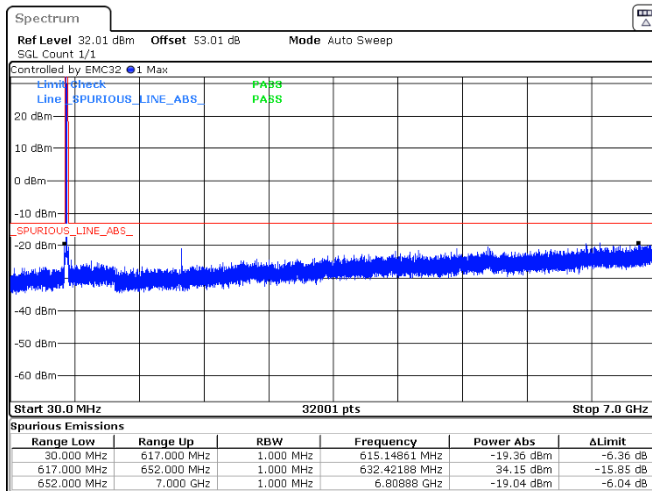
Spurious emissions, TX 622 MHz, BW: 10MHz, MOD: 16QAM



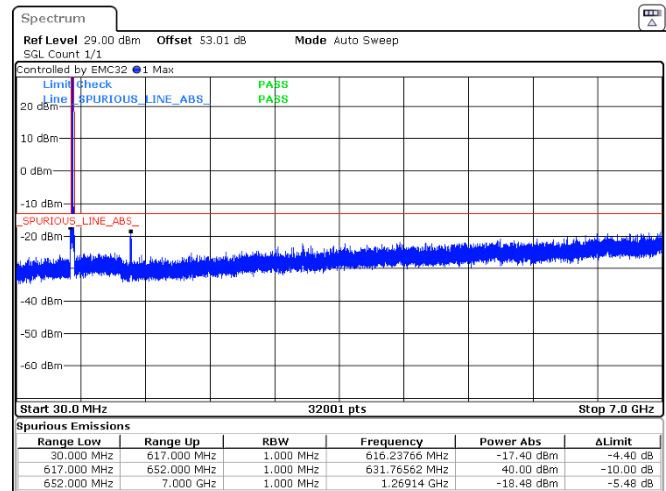
Spurious emissions, TX 624.5 MHz, BW: 15MHz, MOD: 16QAM



Spurious emissions, TX 627 MHz, BW: 20MHz, MOD: 16QAM



Spurious emissions, TX 634.5 MHz, BW: 5MHz, MOD: 16QAM



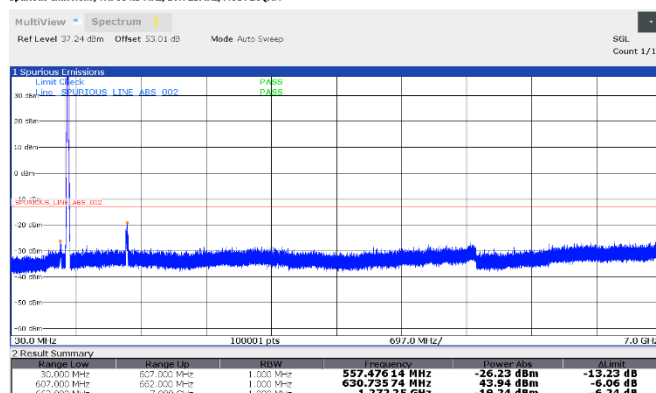
Spurious emissions, TX 634.5 MHz, BW: 10MHz, MOD: 16QAM

Section 8
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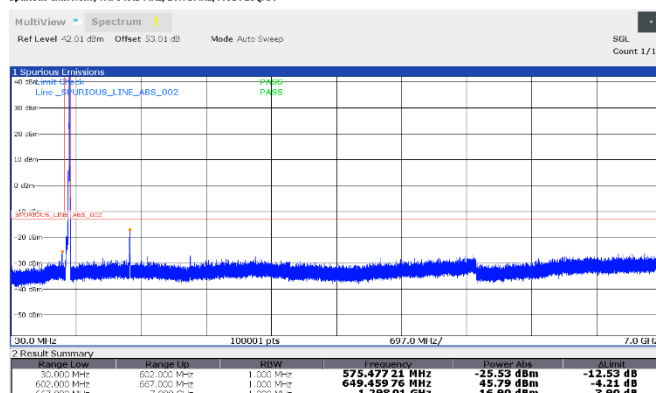
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



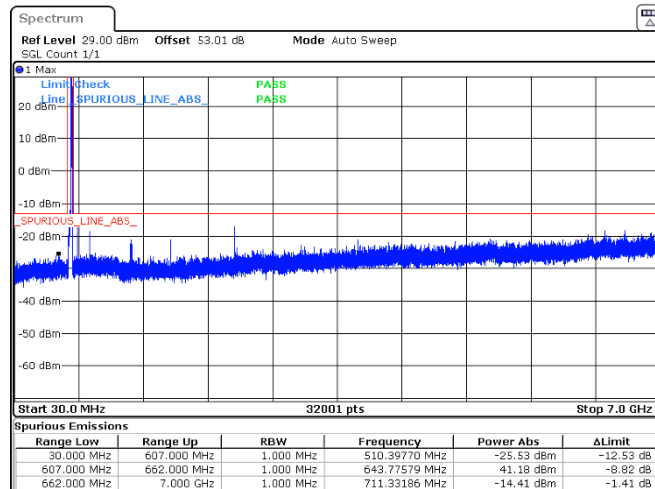
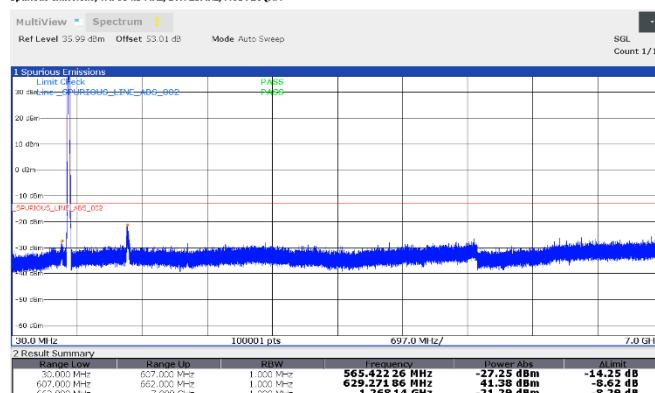
Spurious emissions, TX: 634.5 MHz, BW: 15MHz, MOD: 16QAM



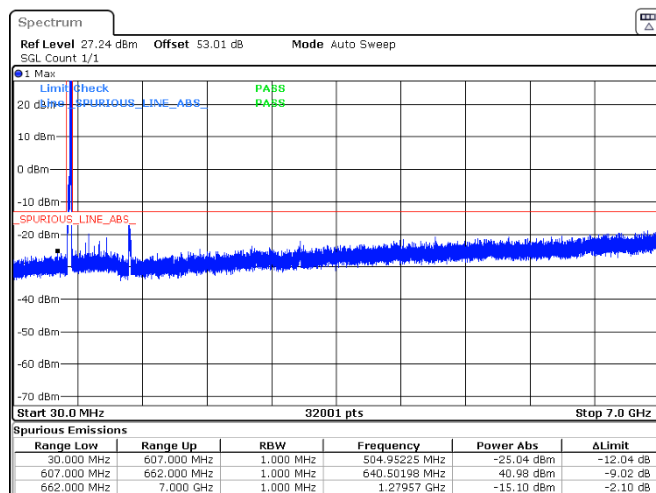
Spurious emissions, TX: 649.5 MHz, BW: 5MHz, MOD: 16QAM



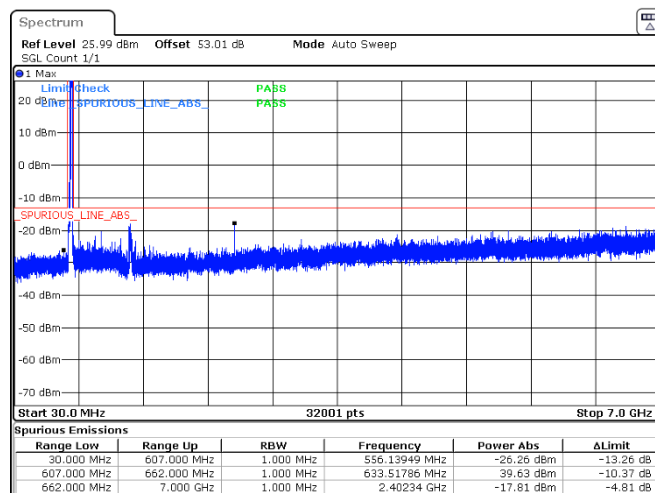
Spurious emissions, TX: 634.5 MHz, BW: 20MHz, MOD: 16QAM



Spurious emissions, TX: 647 MHz, BW: 10MHz, MOD: 16QAM



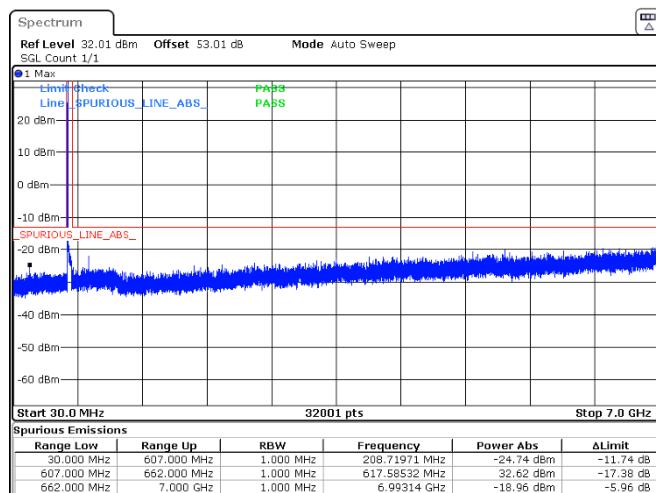
Spurious emissions, TX: 644.5 MHz, BW: 15MHz, MOD: 16QAM



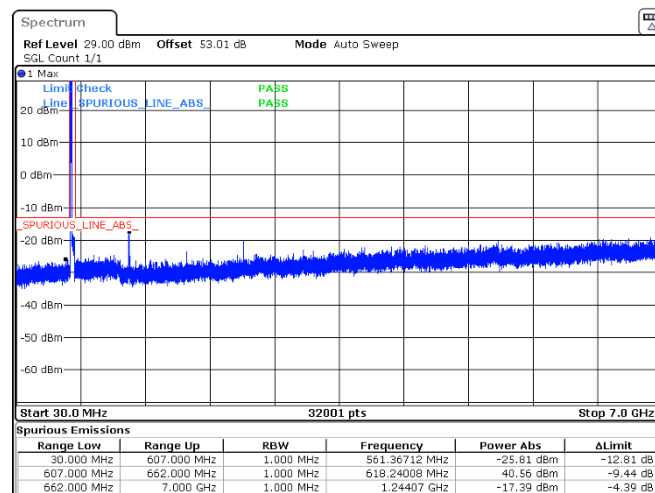
Spurious emissions, TX: 642 MHz, BW: 20MHz, MOD: 16QAM

Section 8
Test name
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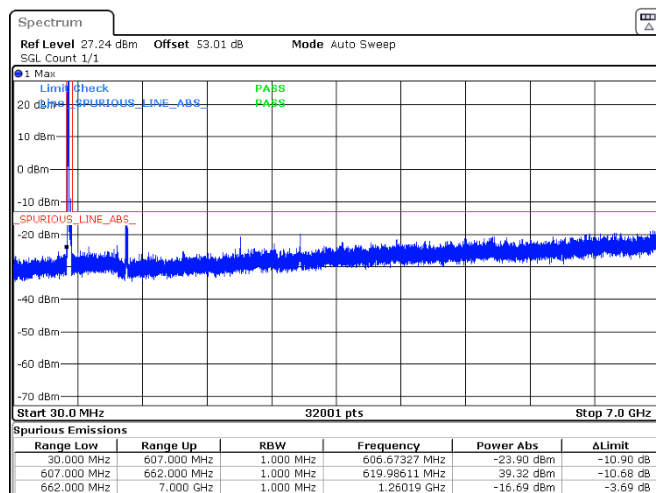
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



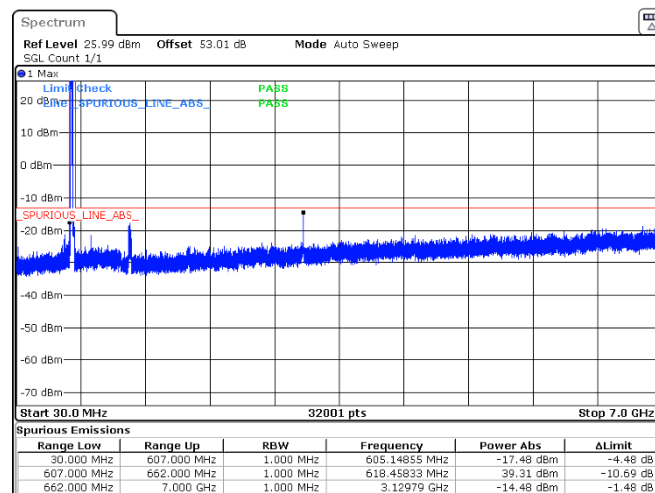
Spurious emissions, TX 619.5 MHz, BW: 5MHz, MOD: 64QAM



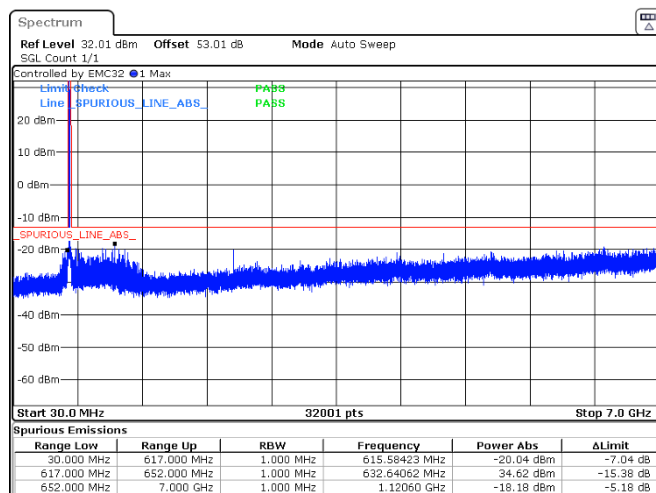
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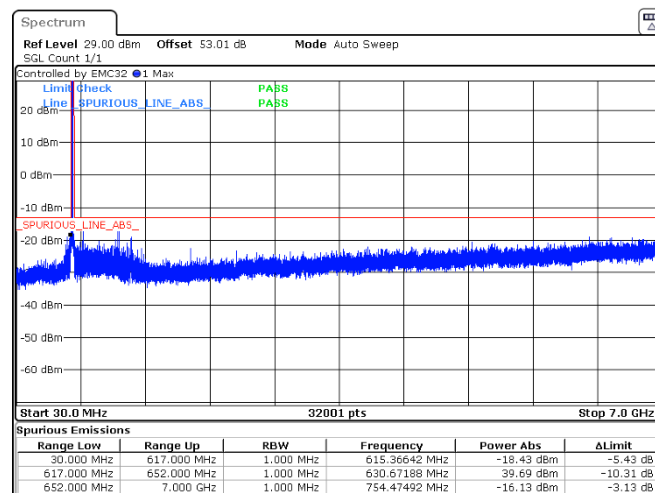
Spurious emissions, TX 624.5 MHz, BW: 15MHz, MOD: 64QAM



Spurious emissions, TX 627 MHz, BW: 20MHz, MOD: 64QAM



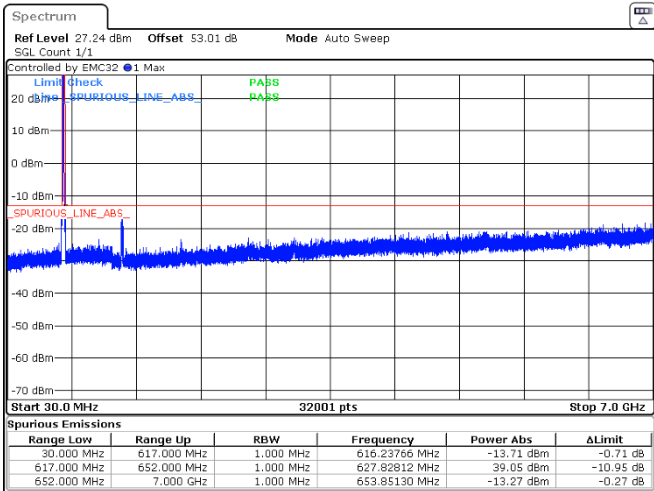
Spurious emissions, TX 634.5 MHz, BW: 5MHz, MOD: 64QAM



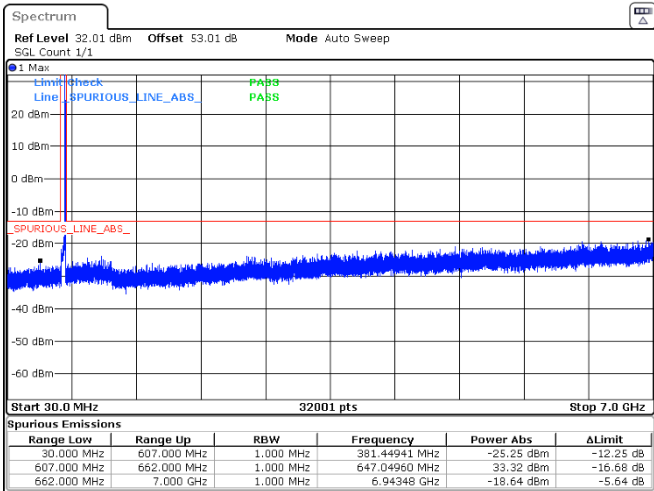
Spurious emissions, TX 634.5 MHz, BW: 10MHz, MOD: 64QAM

Section 8
Test name
Specification

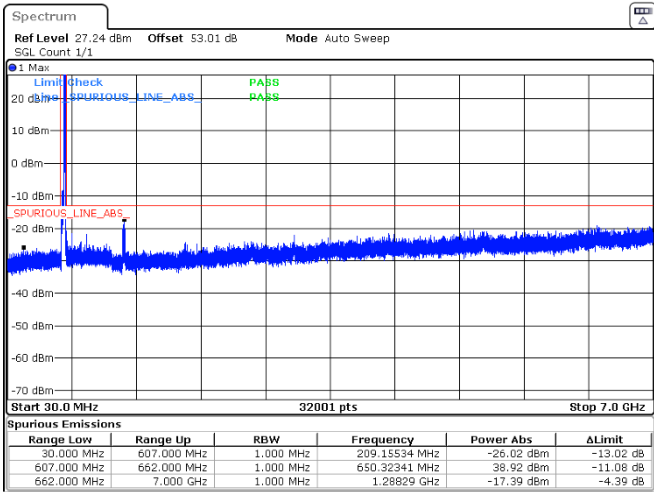
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



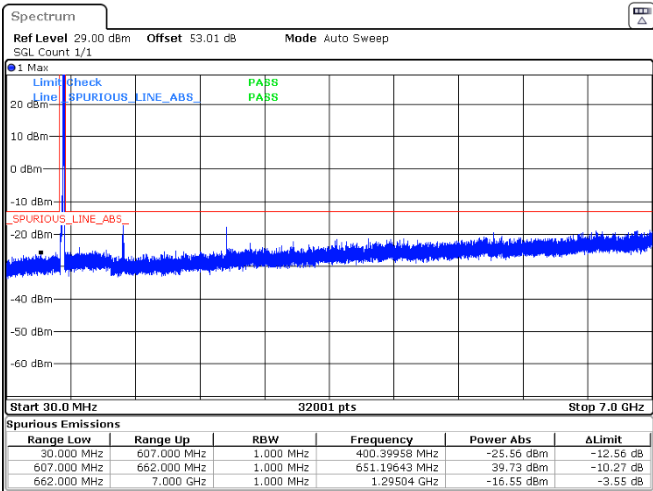
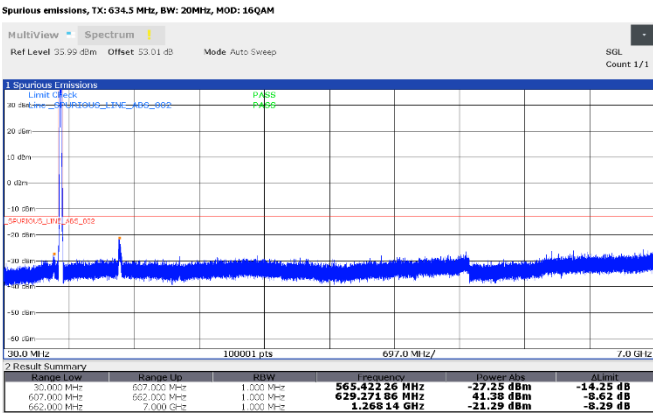
Spurious emissions, TX: 634.5 MHz, BW: 15MHz, MOD: 64QAM



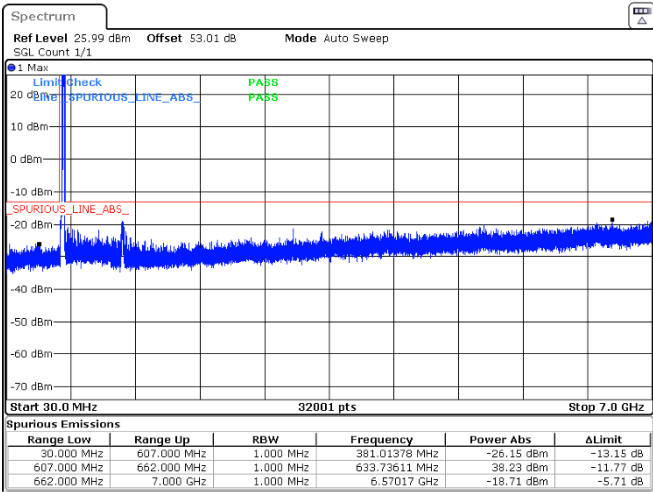
Spurious emissions, TX: 649.5 MHz, BW: 5MHz, MOD: 64QAM



Spurious emissions, TX: 644.5 MHz, BW: 15MHz, MOD: 64QAM



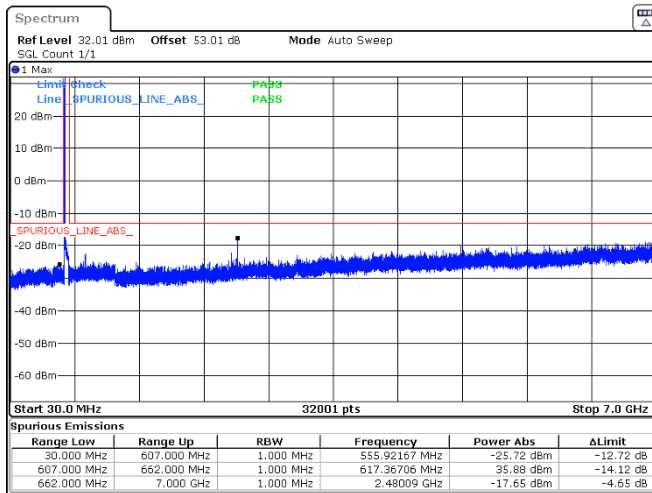
Spurious emissions, TX: 647 MHz, BW: 10MHz, MOD: 64QAM



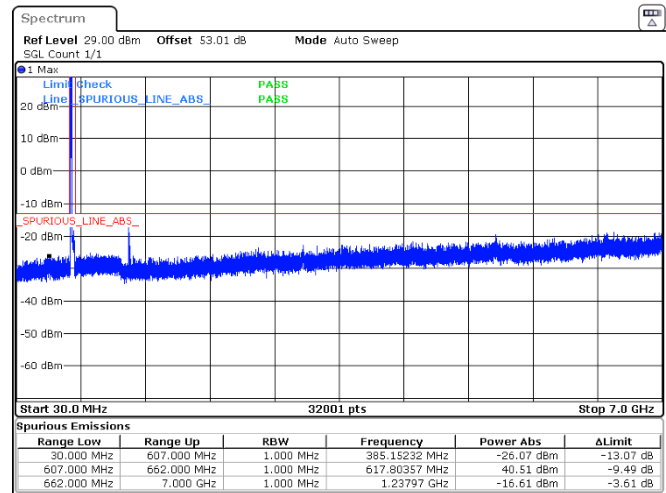
Spurious emissions, TX: 642 MHz, BW: 20MHz, MOD: 64QAM

Section 8
Test name
Specification

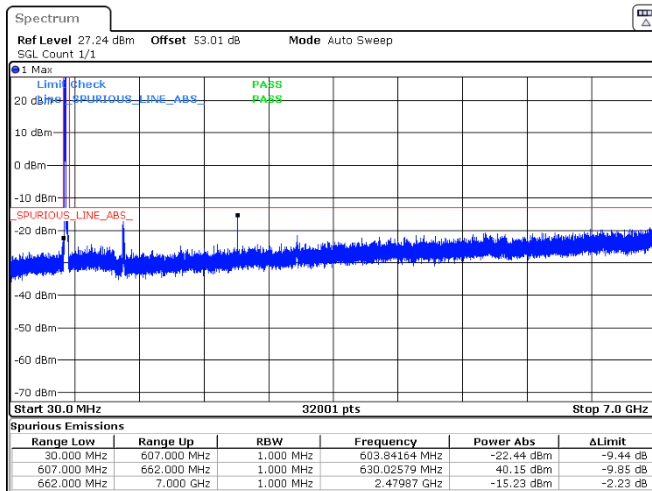
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



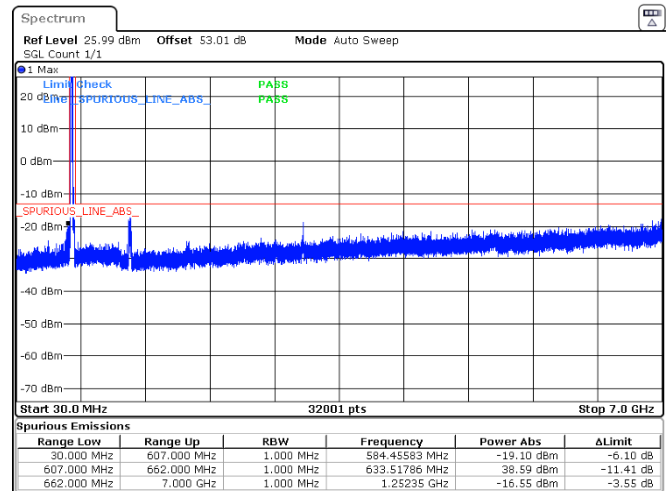
Spurious emissions, TX 619.5 MHz, BW: 5MHz, MOD: 256QAM



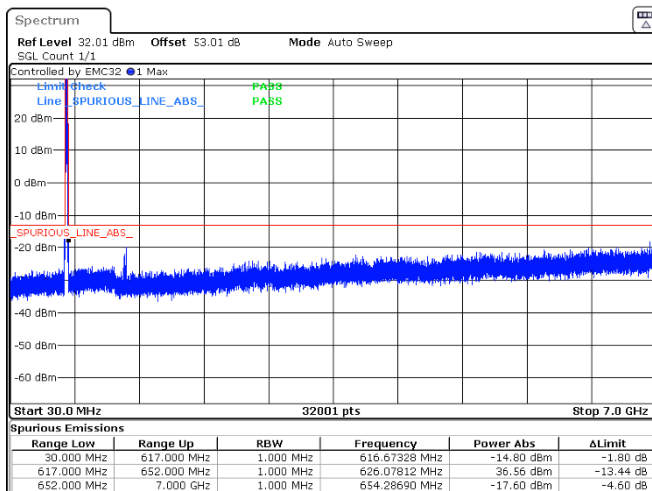
Spurious emissions, TX 622 MHz, BW: 10MHz, MOD: 256QAM



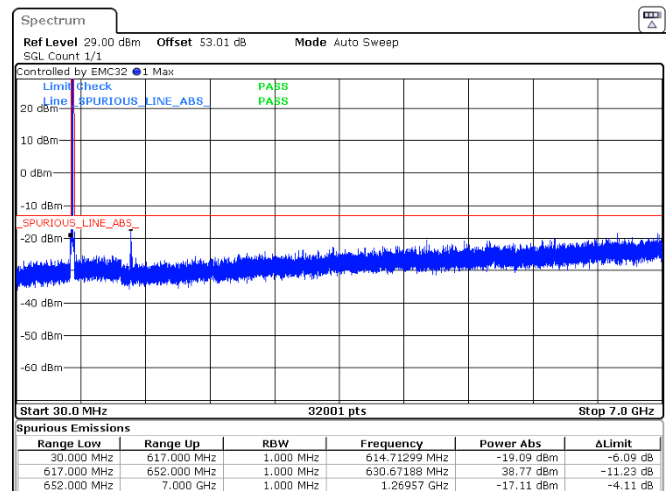
Spurious emissions, TX 624.5 MHz, BW: 15MHz, MOD: 256QAM



Spurious emissions, TX 627 MHz, BW: 20MHz, MOD: 256QAM



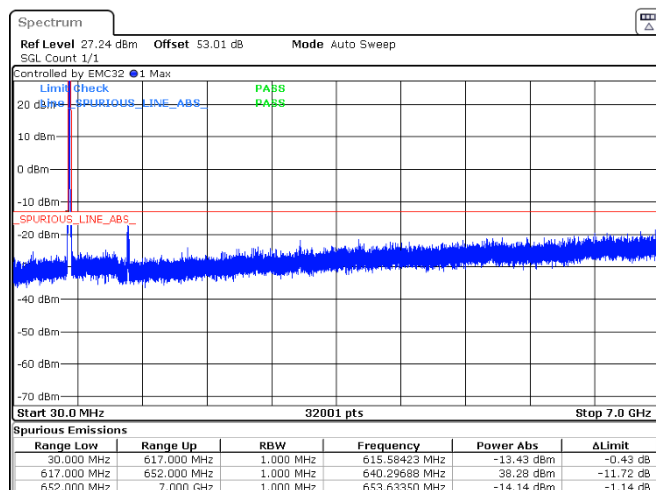
Spurious emissions, TX 634.5 MHz, BW: 5MHz, MOD: 256QAM



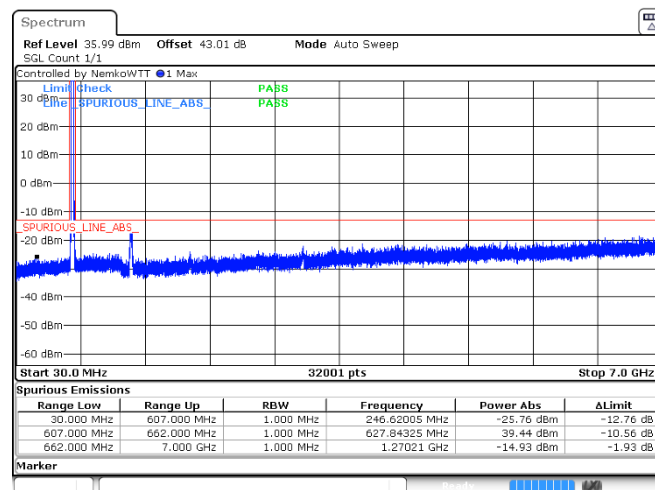
Spurious emissions, TX 634.5 MHz, BW: 10MHz, MOD: 256QAM

Section 8
Test name
Specification

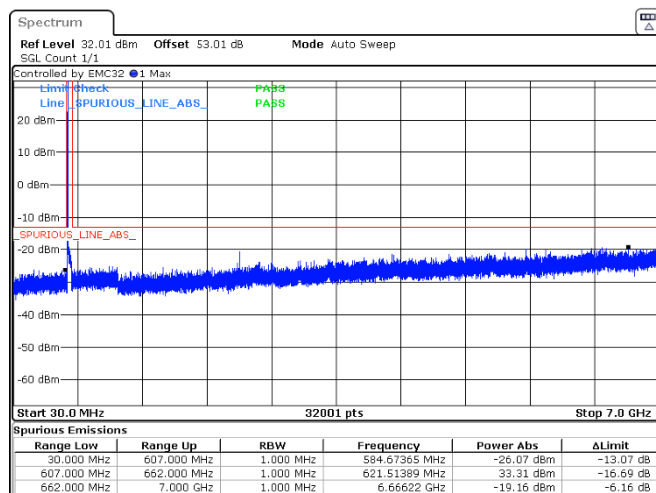
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



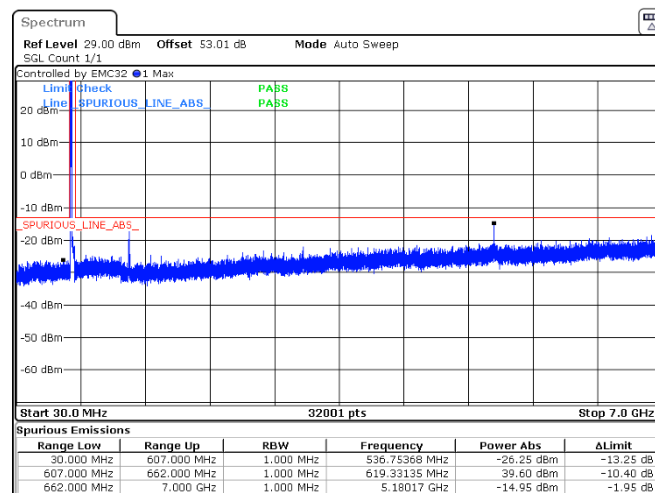
Spurious emissions, TX 634.5 MHz, BW: 15MHz, MOD: 256QAM



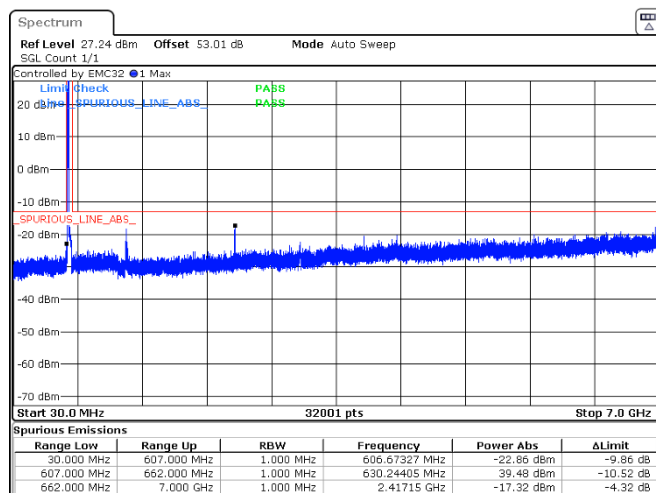
Spurious emissions, TX 634.5 MHz, BW: 20MHz, MOD: 256QAM



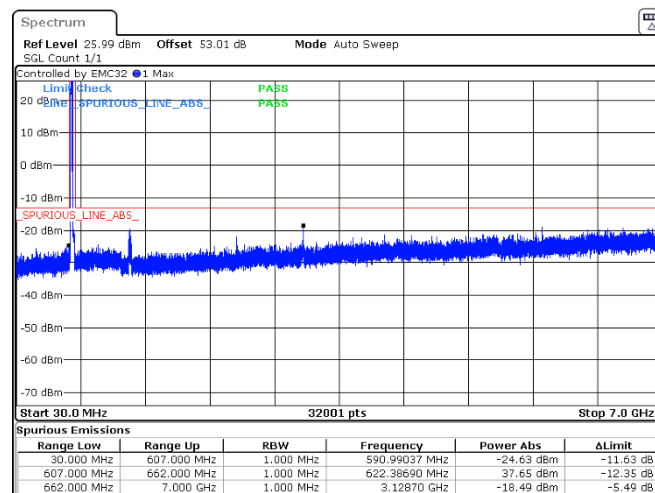
Spurious emissions, TX 619.5 MHz, BW: 5MHz, MOD: 1024QAM



Spurious emissions, TX 622 MHz, BW: 10MHz, MOD: 1024QAM



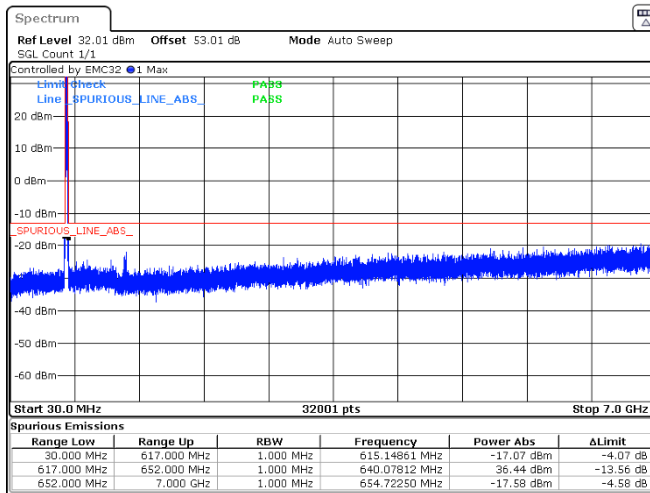
Spurious emissions, TX 624.5 MHz, BW: 15MHz, MOD: 1024QAM



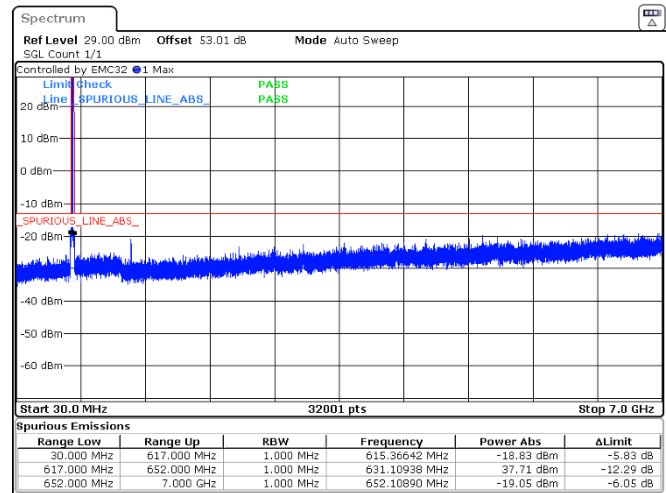
Spurious emissions, TX 627 MHz, BW: 20MHz, MOD: 1024QAM

Section 8
Test name
Specification

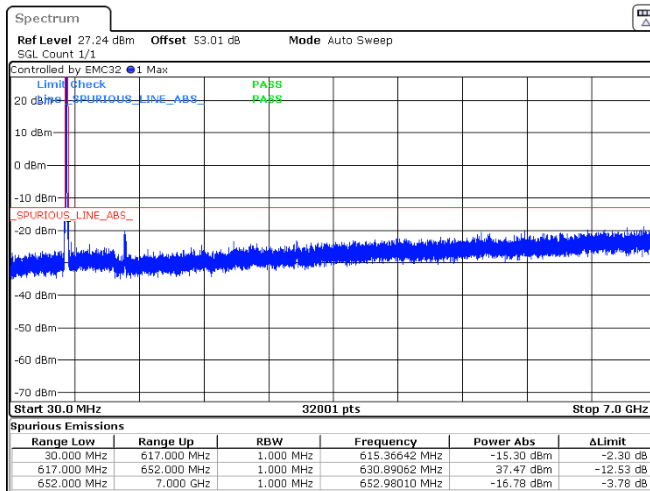
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



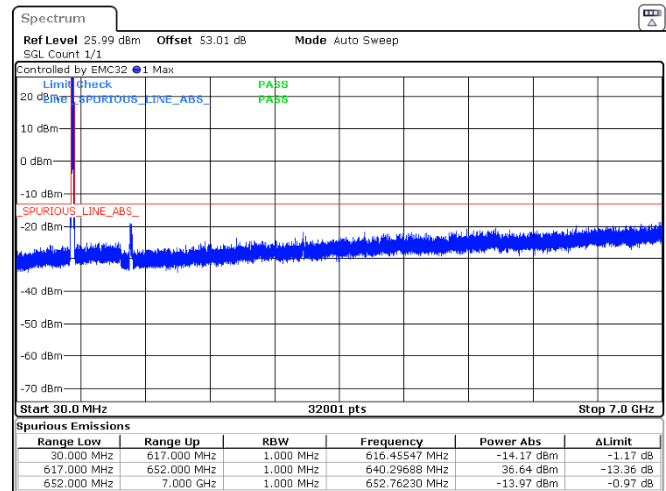
Spurious emissions, TX 634.5 MHz, BW: 5MHz, MOD: 1024QAM



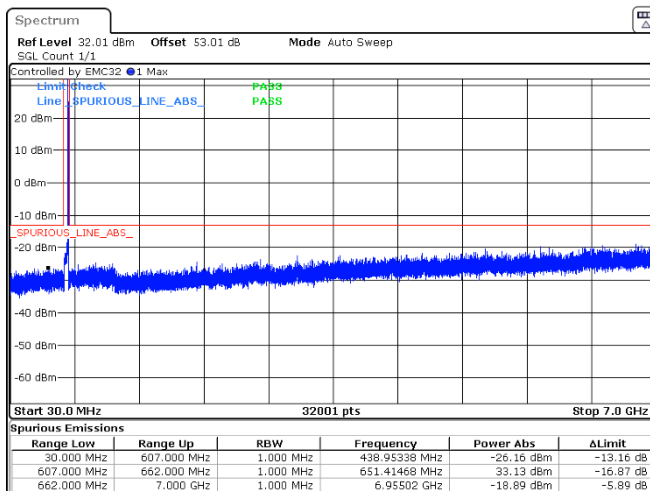
Spurious emissions, TX 634.5 MHz, BW: 10MHz, MOD: 1024QAM



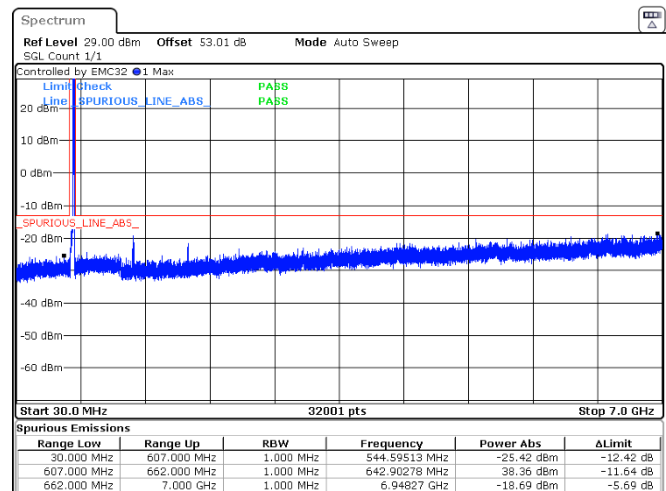
Spurious emissions, TX 634.5 MHz, BW: 15MHz, MOD: 1024QAM



Spurious emissions, TX 634.5 MHz, BW: 20MHz, MOD: 1024QAM



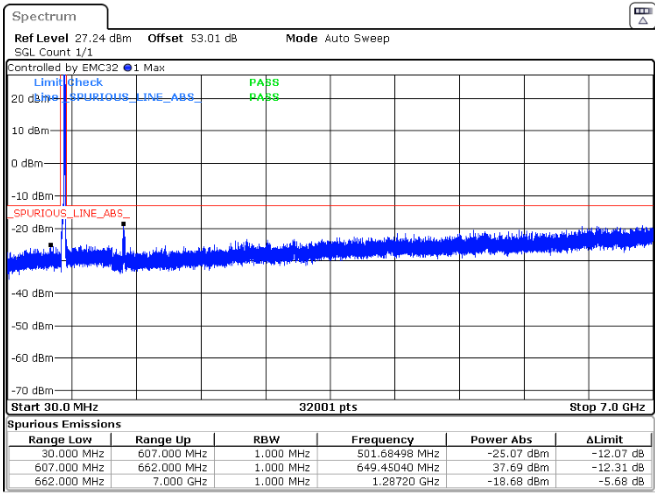
Spurious emissions, TX 649.5 MHz, BW: 5MHz, MOD: 1024QAM



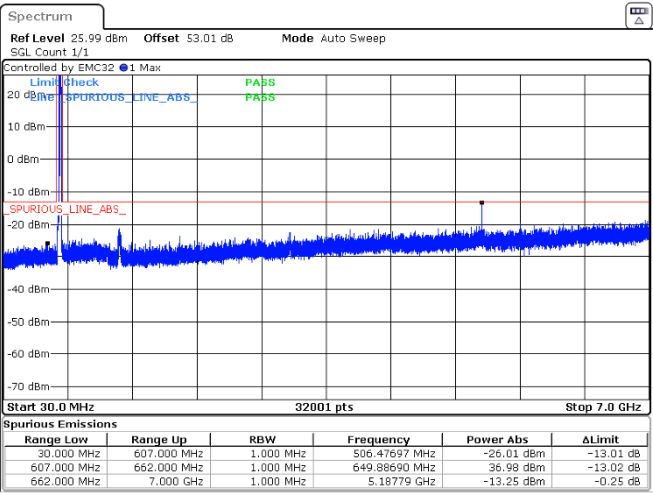
Spurious emissions, TX 647 MHz, BW: 10MHz, MOD: 1024QAM

Section 8
Test name
Specification

Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27

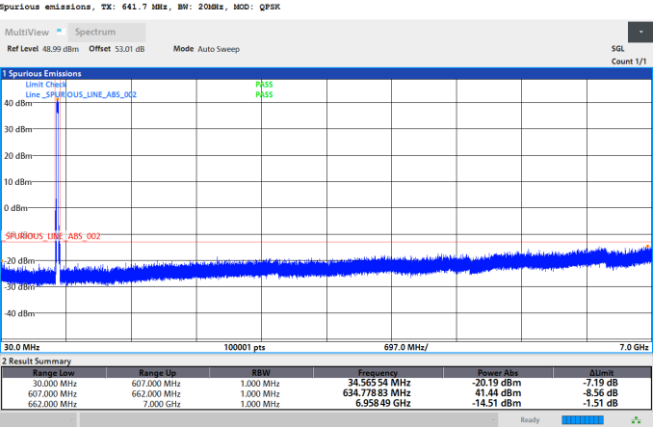
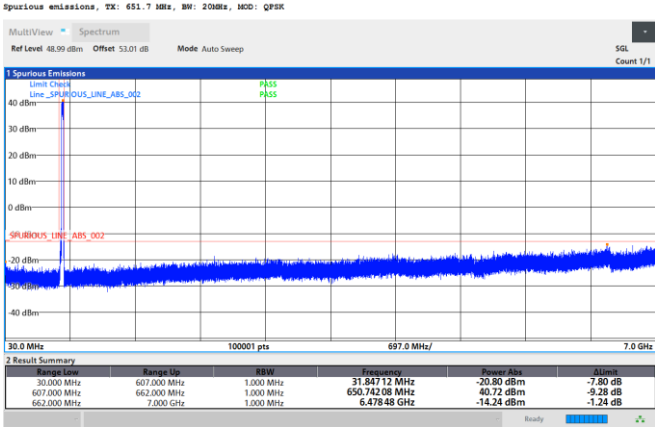
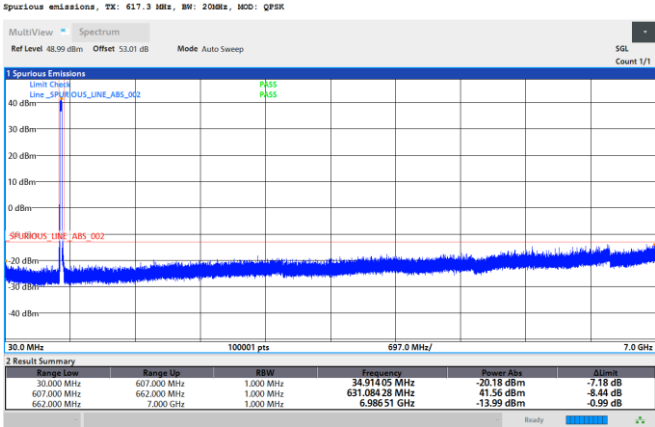


Spurious emissions, TX: 644.5 MHz, BW: 15MHz, MOD: 1024QAM



Spurious emissions, TX: 642 MHz, BW: 20MHz, MOD: 1024QAM

Band n71 NB-IoT plots



Band n66 band edge plots

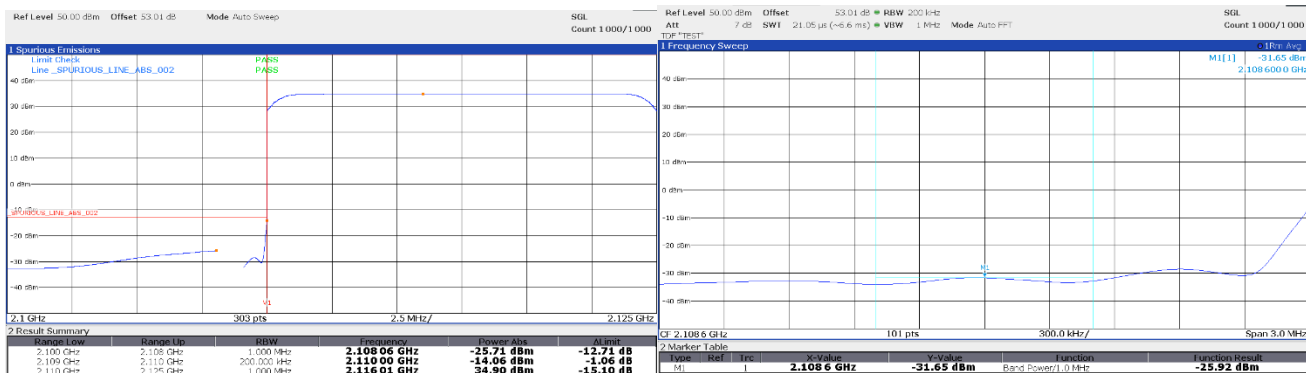
Note: In the 1 MHz band adjacent to the band edge, a resolution bandwidth of approximately 1-5 % of the occupied bandwidth was used. In the next adjacent 1 MHz band, the same resolution bandwidth was used and the total power in that 1 MHz measured using the band power function of the spectrum analyzer. In the plots below, the left hand plot shows the emissions in the 1 MHz band immediately adjacent to the band edge and the right hand plot shows the emissions in the next adjacent 1 MHz region, measured as a total channel power over 1 MHz.



Band Edge. TX:2112.5MHz, BW: 5MHz, MOD: QPSK



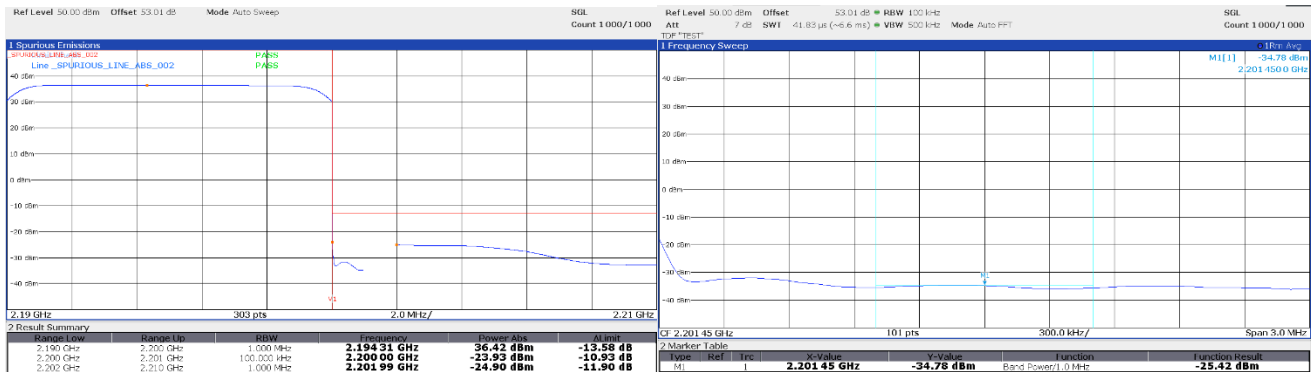
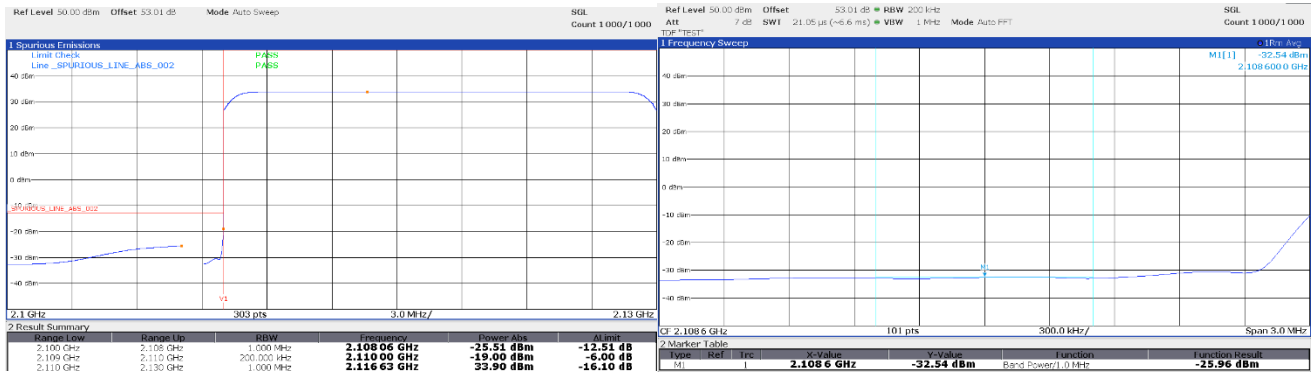
Band Edge. TX:2115MHz, BW: 10MHz, MOD: QPSK



Band Edge. TX:2117.5MHz, BW: 15MHz, MOD: QPSK

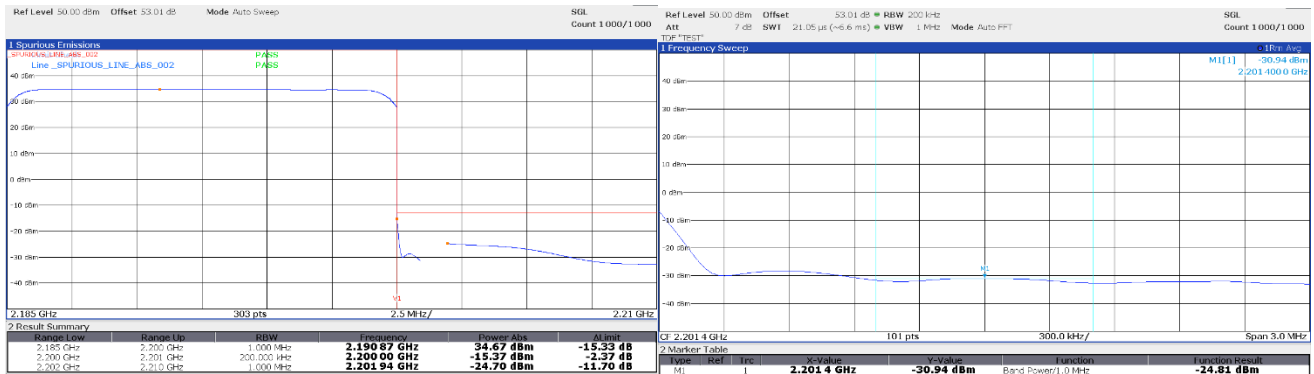
Section 8
Test name
Specification

Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27

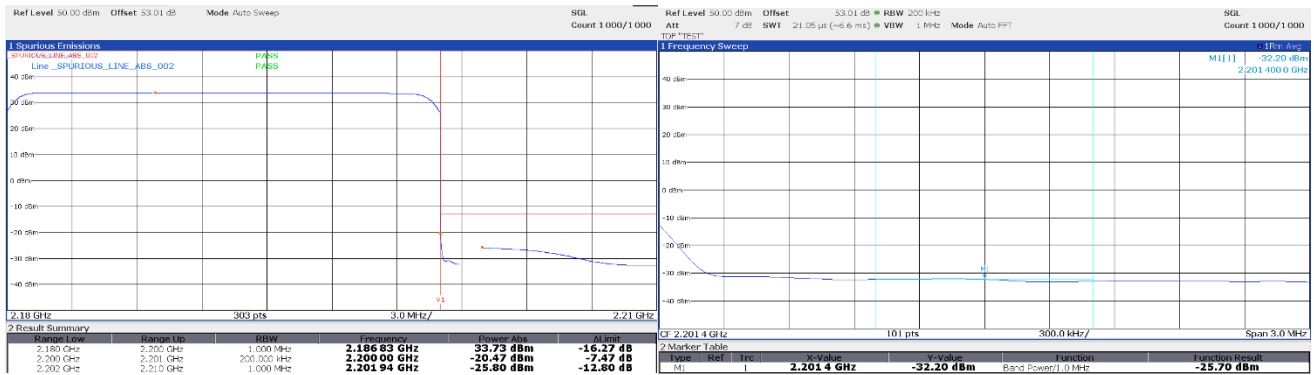


Section 8
Test name
Specification

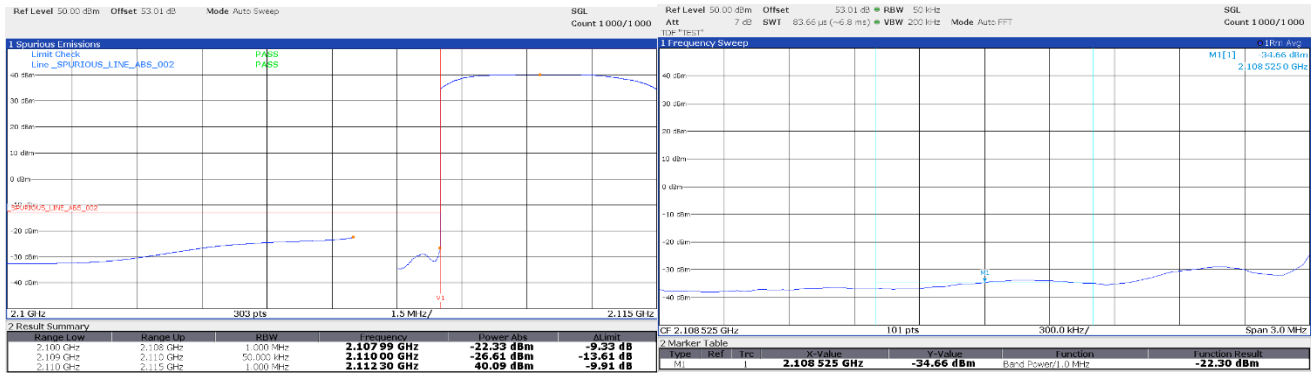
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



Band Edge. TX:2192.5MHz, BW: 15MHz, MOD: QPSK



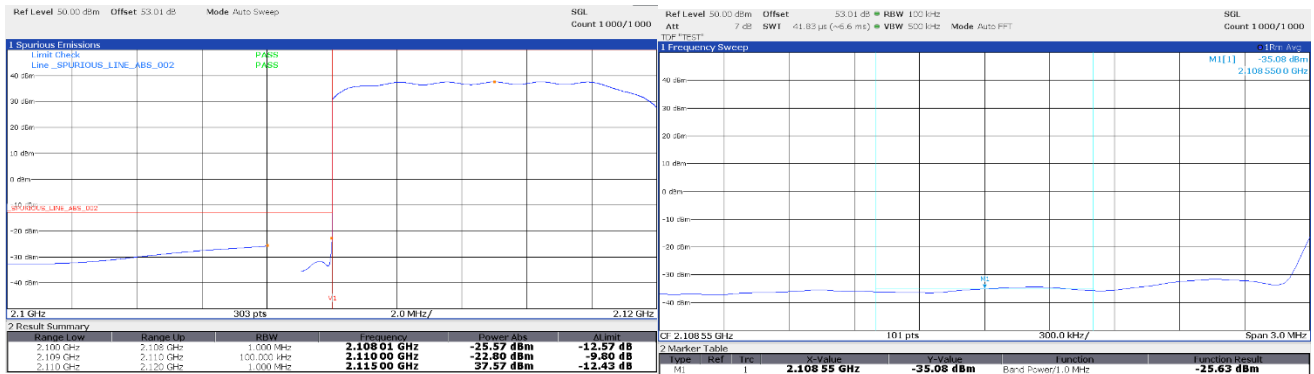
Band Edge. TX:2190MHz, BW: 20MHz, MOD: QPSK



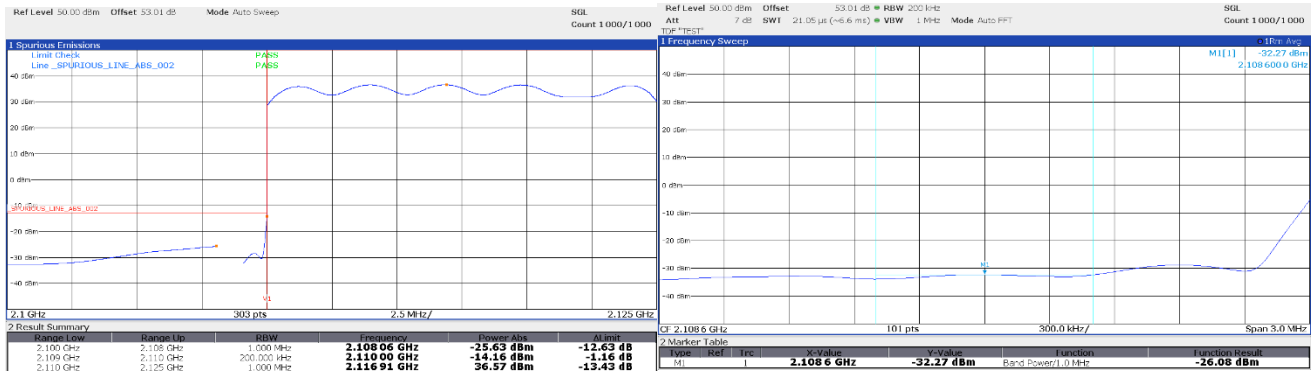
Band Edge. TX:2112.5MHz, BW: 5MHz, MOD: 16QAM

Section 8
Test name
Specification

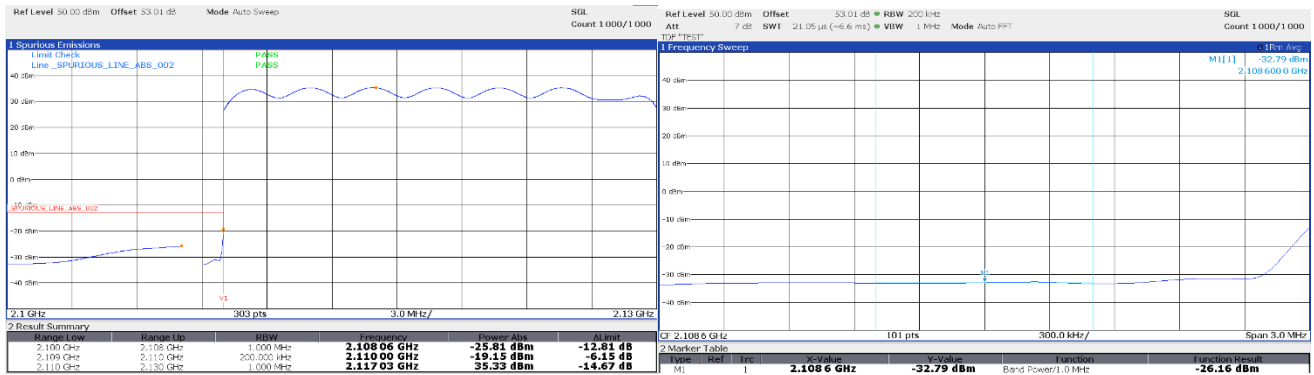
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



Band Edge. TX:2115MHz, BW: 10MHz, MOD: 16QAM



Band Edge. TX:2117.5MHz, BW: 15MHz, MOD: 16QAM



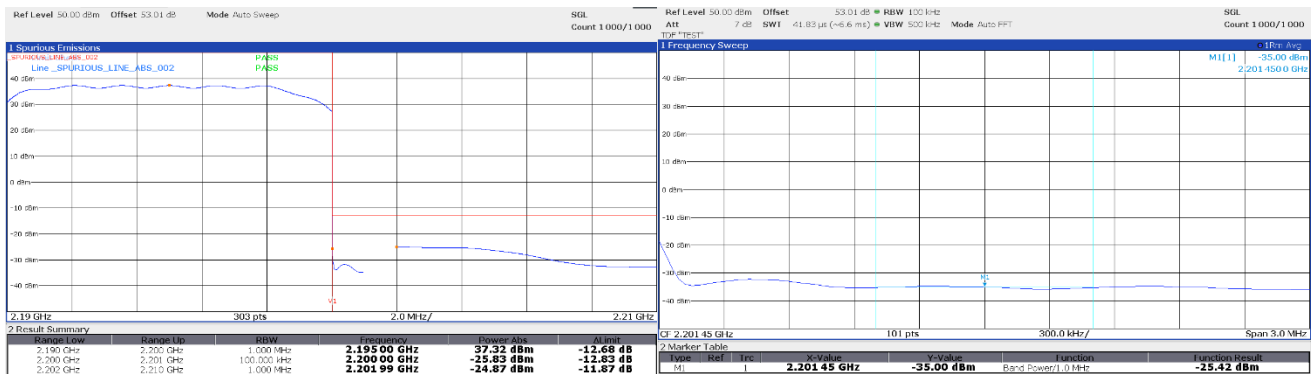
Band Edge. TX:2120MHz, BW: 20MHz, MOD: 16QAM

Section 8
Test name
Specification

Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



Band Edge. TX:2197.5MHz, BW: 5MHz, MOD: 16QAM



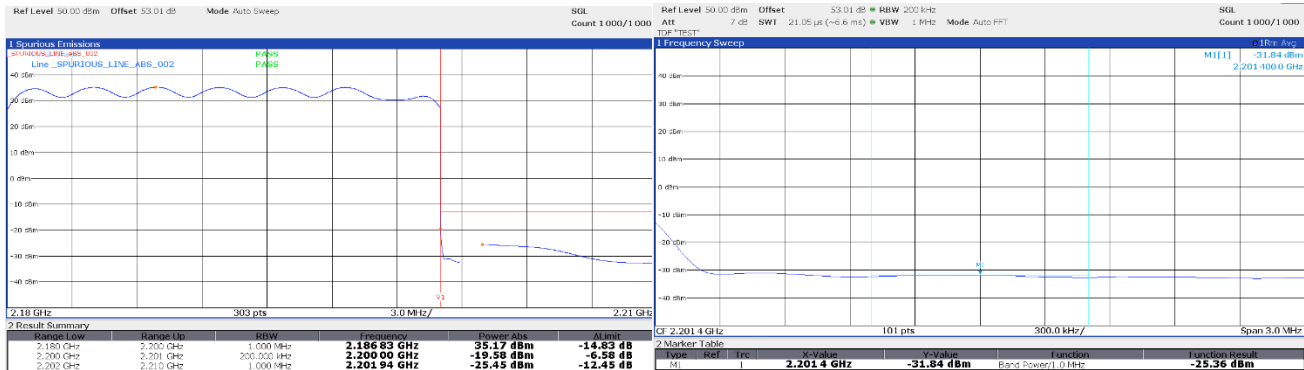
Band Edge. TX:2195MHz, BW: 10MHz, MOD: 16QAM



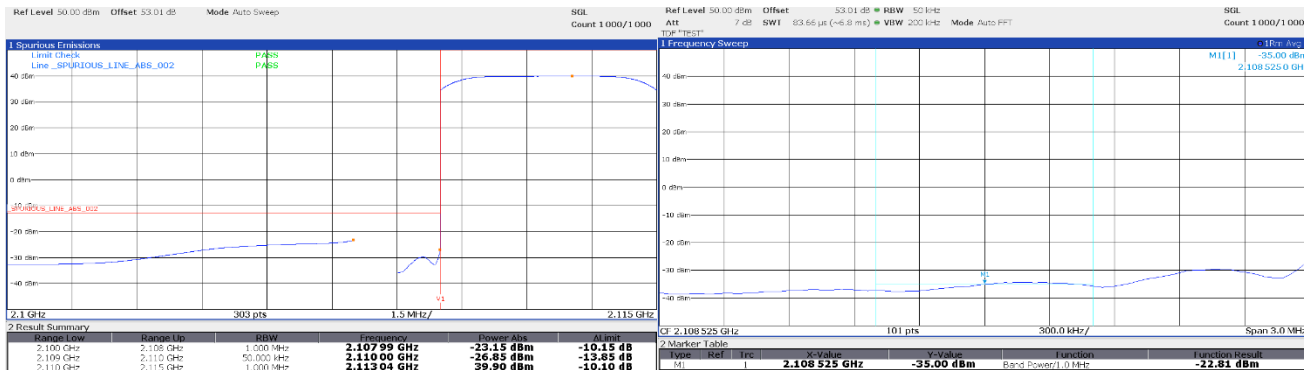
Band Edge. TX:2192.5MHz, BW: 15MHz, MOD: 16QAM

Section 8
Test name
Specification

Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



Band Edge. TX:2190MHz, BW: 20MHz, MOD: 16QAM



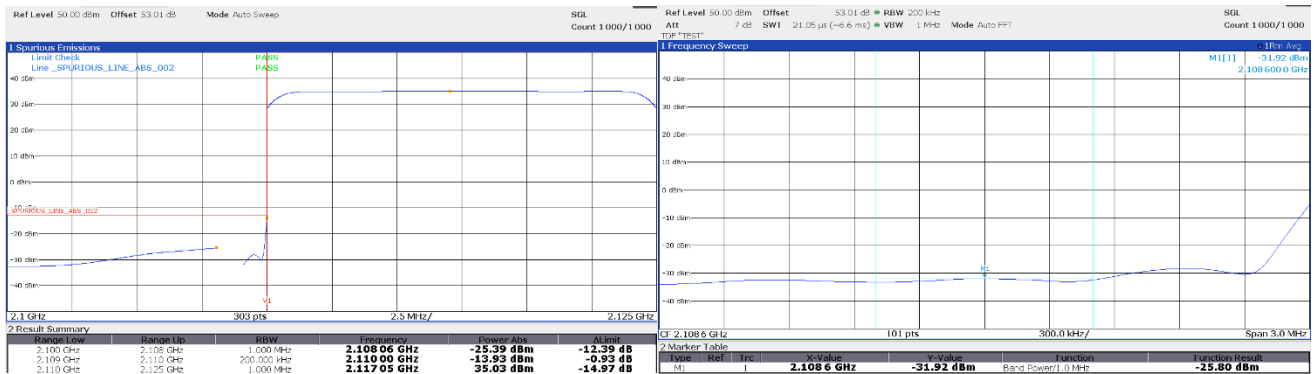
Band Edge. TX:2112.5MHz, BW: 5MHz, MOD: 64QAM



Band Edge. TX:2115MHz, BW: 10MHz, MOD: 64QAM

Section 8
Test name
Specification

Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



Band Edge. TX:2117.5MHz, BW: 15MHz, MOD: 64QAM



Band Edge. TX:2120MHz, BW: 20MHz, MOD: 64QAM



Band Edge. TX:2197.5MHz, BW: 5MHz, MOD: 64QAM

Section 8
Test name
Specification

Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



Band Edge. TX:2195MHz, BW: 10MHz, MOD: 64QAM



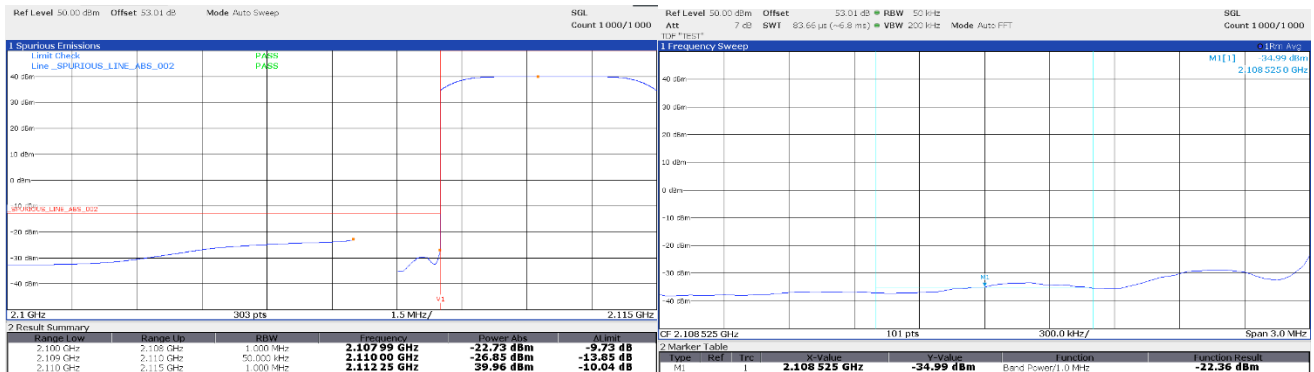
Band Edge. TX:2192.5MHz, BW: 15MHz, MOD: 64QAM



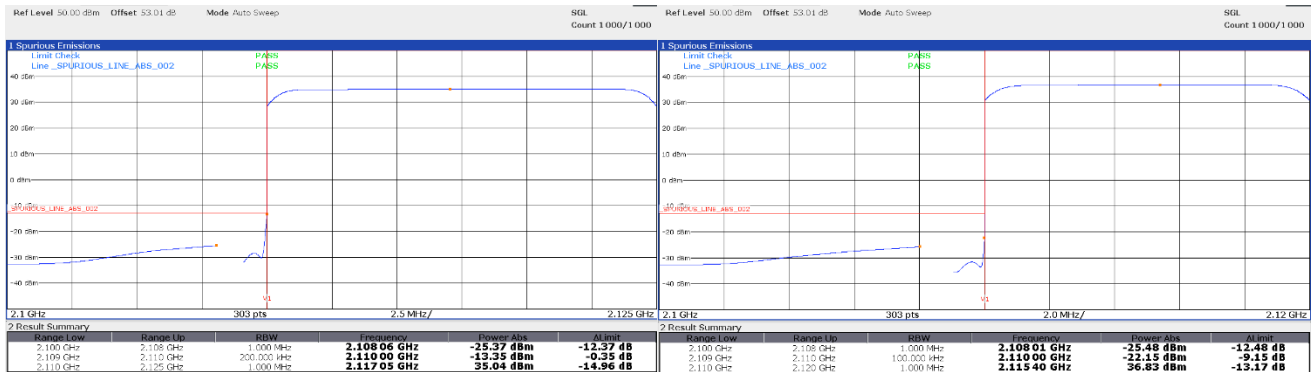
Band Edge. TX:2190MHz, BW: 20MHz, MOD: 64QAM

Section 8
Test name
Specification

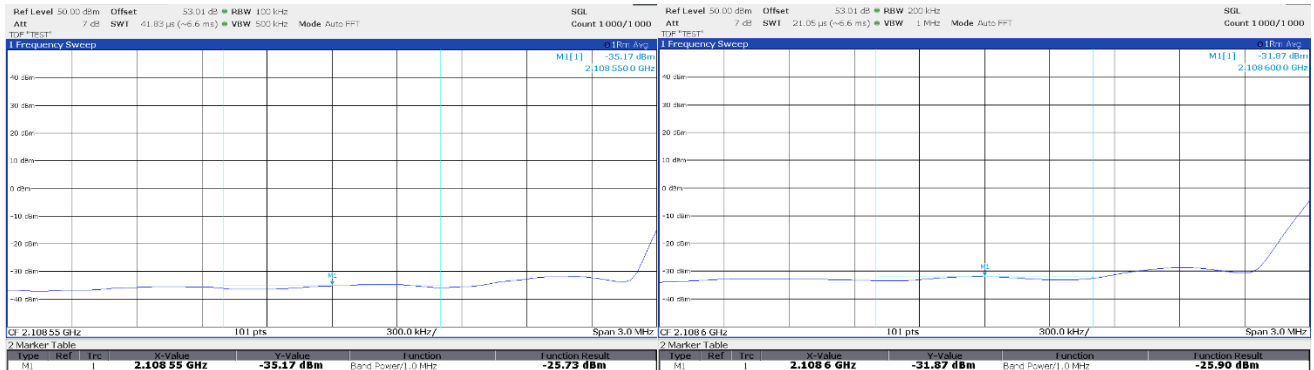
Testing data
FCC 27.53(g), (h) Emission limits
FCC Part 27



Band Edge. TX:2112.5MHz, BW: 5MHz, MOD: 256QAM



Band Edge. TX:2115MHz, BW: 10MHz, MOD: 256QAM



Band Edge. TX:2117.5MHz, BW: 15MHz, MOD: 256QAM