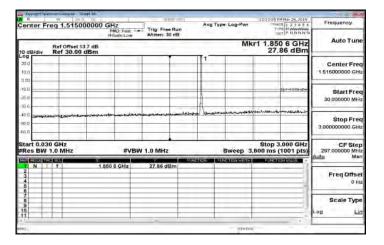
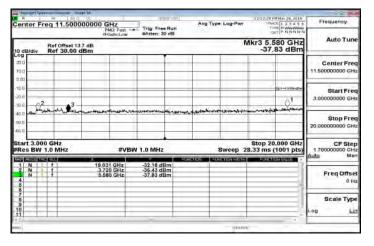




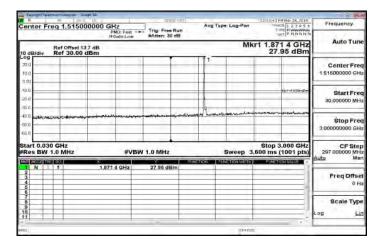
30MHz~3GHz_Band2_20MHz_QPSK_1_0_LowCH18700-1860



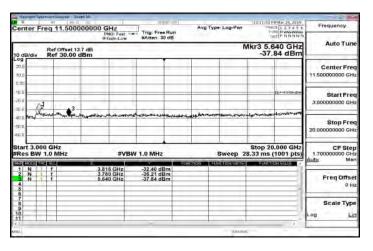
3GHz~10GHz_Band2_20MHz_QPSK_1_0_LowCH18700-1860



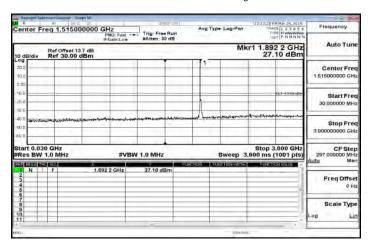
30MHz~3GHz_Band2_20MHz_QPSK_1_0_MidCH18900-1880



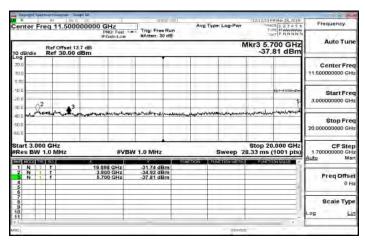
3GHz~10GHz_Band2_20MHz_QPSK_1_0_MidCH18900-1880



30MHz~3GHz_Band2_20MHz_QPSK_1_0_HighCH19100-1900



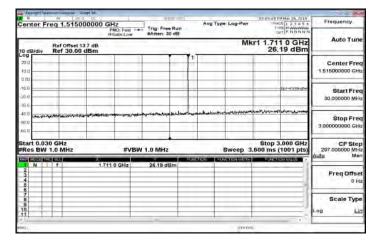
3GHz~10GHz_Band2_20MHz_QPSK_1_0_HighCH19100-1900



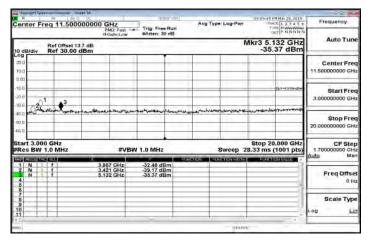
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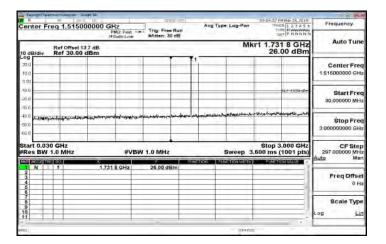
30MHz~3GHz_Band4_1_4MHz_QPSK_1_0_LowCH19957-1710.7



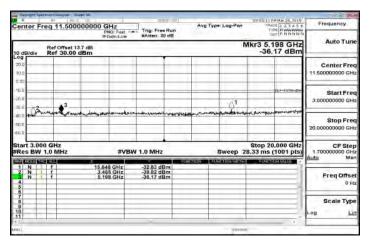
3GHz~10GHz_Band4_1_4MHz_QPSK_1_0_LowCH19957-1710.7



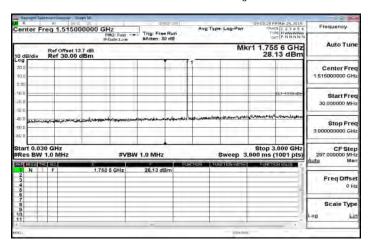
30MHz~3GHz_Band4_1_4MHz_QPSK_1_0_MidCH20175-1732.5



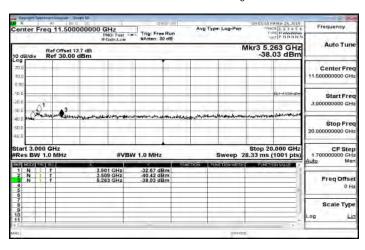
3GHz~10GHz_Band4_1_4MHz_QPSK_1_0_MidCH20175-1732.5



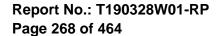
30MHz~3GHz_Band4_1_4MHz_QPSK_1_0_HighCH20393-1754.3



3GHz~10GHz_Band4_1_4MHz_QPSK_1_0_HighCH20393-1754.3

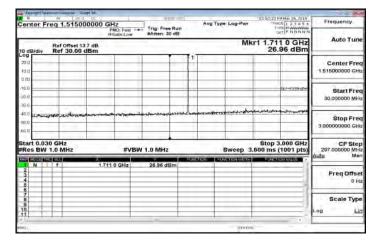


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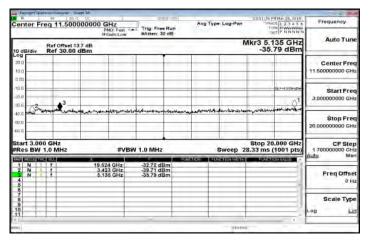




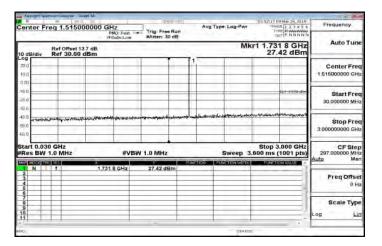
30MHz~3GHz_Band4_3MHz_QPSK_1_0_LowCH19965-1711.5



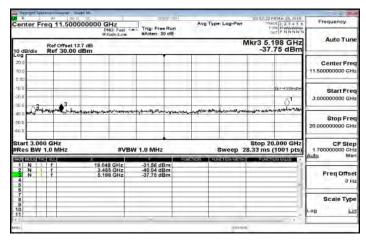
3GHz~10GHz_Band4_3MHz_QPSK_1_0_LowCH19965-1711.5



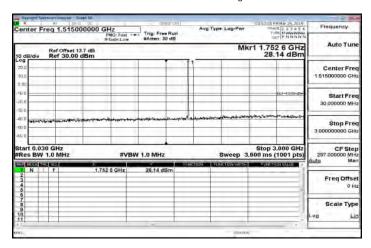
30MHz~3GHz_Band4_3MHz_QPSK_1_0_MidCH20175-1732.5



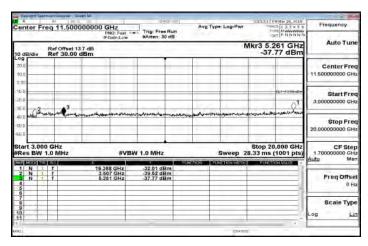
3GHz~10GHz_Band4_3MHz_QPSK_1_0_MidCH20175-1732.5



30MHz~3GHz_Band4_3MHz_QPSK_1_0_HighCH20385-1753.5



3GHz~10GHz_Band4_3MHz_QPSK_1_0_HighCH20385-1753.5

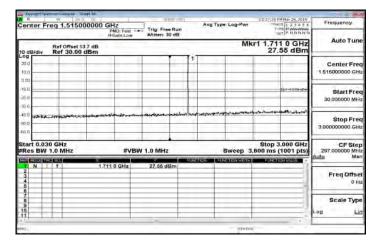


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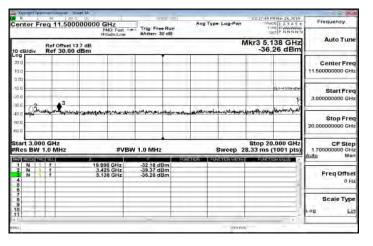




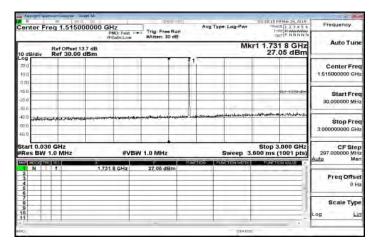
30MHz~3GHz_Band4_5MHz_QPSK_1_0_LowCH19975-1712.5



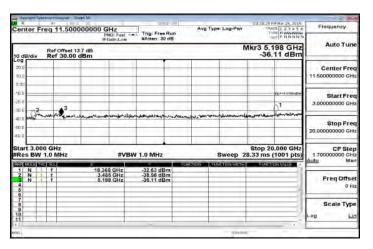
3GHz~10GHz_Band4_5MHz_QPSK_1_0_LowCH19975-1712.5



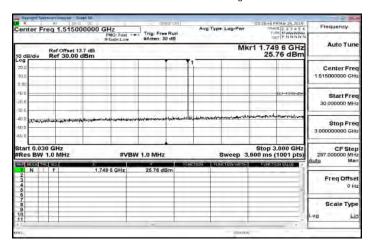
30MHz~3GHz_Band4_5MHz_QPSK_1_0_MidCH20175-1732.5



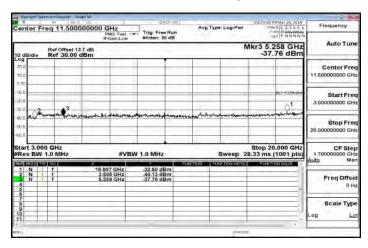
3GHz~10GHz_Band4_5MHz_QPSK_1_0_MidCH20175-1732.5



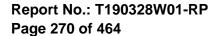
30MHz~3GHz_Band4_5MHz_QPSK_1_0_HighCH20375-1752.5



3GHz~10GHz_Band4_5MHz_QPSK_1_0_HighCH20375-1752.5

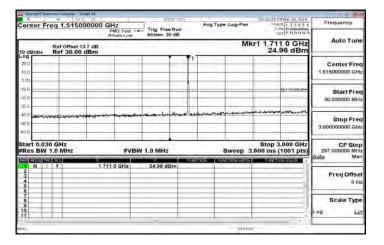


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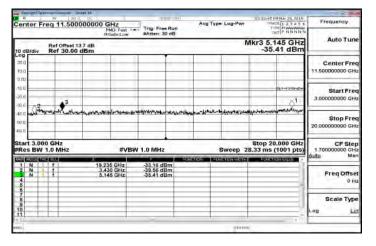




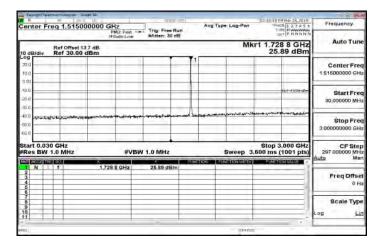
30MHz~3GHz_Band4_10MHz_QPSK_1_0_LowCH20000-1715



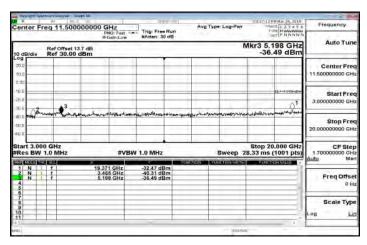
3GHz~10GHz_Band4_10MHz_QPSK_1_0_LowCH20000-1715



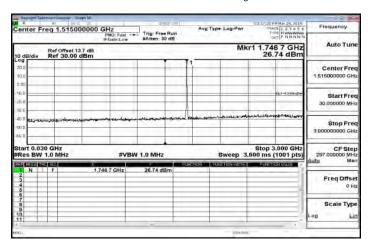
30MHz~3GHz_Band4_10MHz_QPSK_1_0_MidCH20175-1732.5



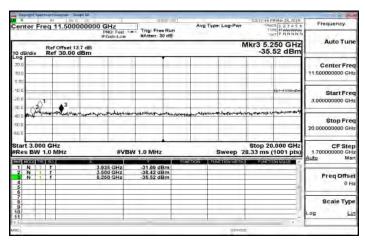
3GHz~10GHz_Band4_10MHz_QPSK_1_0_MidCH20175-1732.5



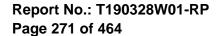
30MHz~3GHz_Band4_10MHz_QPSK_1_0_HighCH20350-1750



3GHz~10GHz_Band4_10MHz_QPSK_1_0_HighCH20350-1750

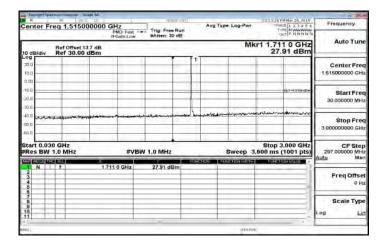


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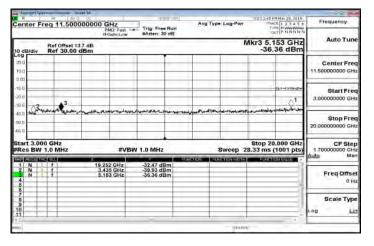




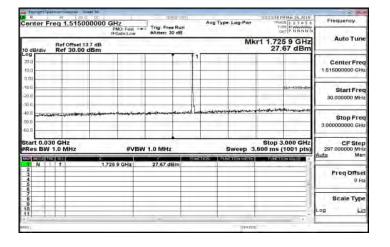
30MHz~3GHz_Band4_15MHz_QPSK_1_0_LowCH20025-1717.5



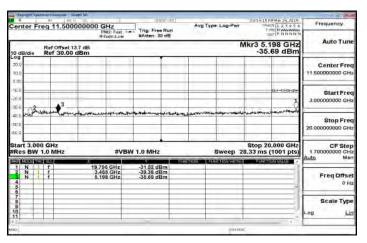
3GHz~10GHz_Band4_15MHz_QPSK_1_0_LowCH20025-1717.5



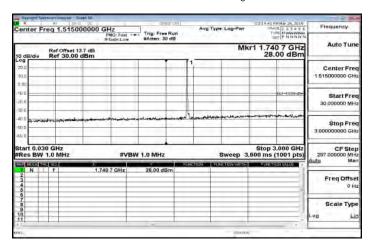
30MHz~3GHz_Band4_15MHz_QPSK_1_0_MidCH20175-1732.5



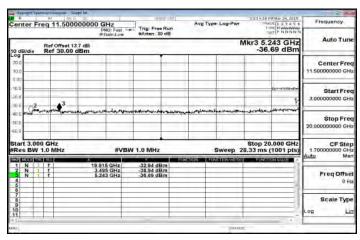
3GHz~10GHz_Band4_15MHz_QPSK_1_0_MidCH20175-1732.5



30MHz~3GHz_Band4_15MHz_QPSK_1_0_HighCH20325-1747.5



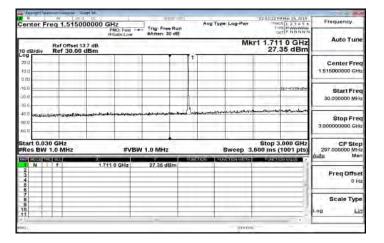
3GHz~10GHz_Band4_15MHz_QPSK_1_0_HighCH20325-1747.5



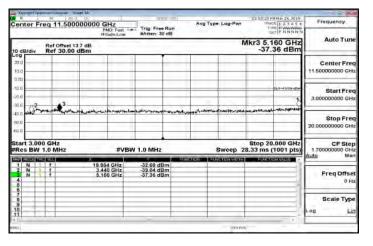
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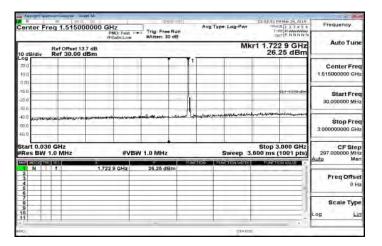
30MHz~3GHz_Band4_20MHz_QPSK_1_0_LowCH20050-1720



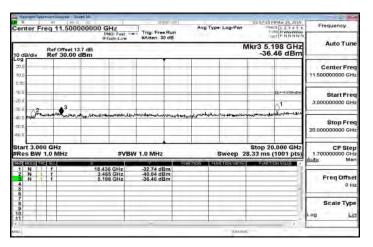
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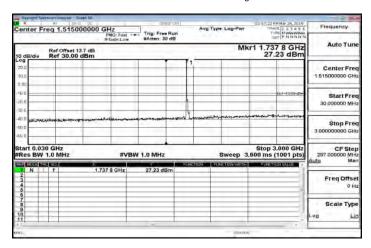
30MHz~3GHz_Band4_20MHz_QPSK_1_0_MidCH20175-1732.5



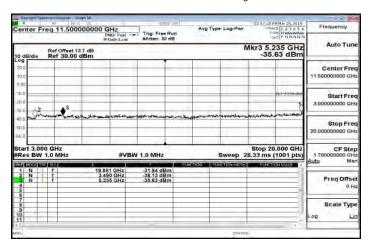
3GHz~10GHz_Band4_20MHz_QPSK_1_0_MidCH20175-1732.5



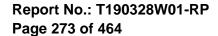
30MHz~3GHz_Band4_20MHz_QPSK_1_0_HighCH20300-1745



3GHz~10GHz_Band4_20MHz_QPSK_1_0_HighCH20300-1745

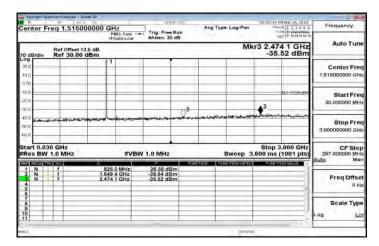


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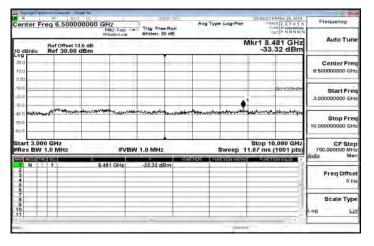




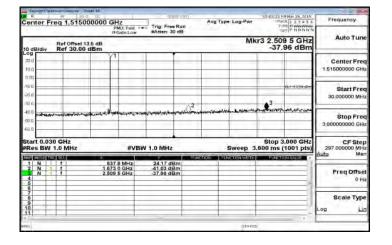
30MHz~3GHz_Band5_1_4MHz_QPSK_1_0_LowCH20407-824.7



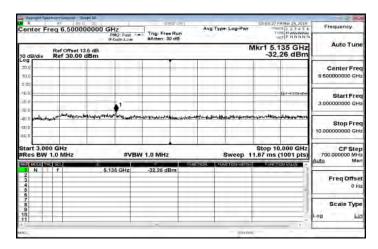
3GHz~10GHz_Band5_1_4MHz_QPSK_1_0_LowCH20407-824.7



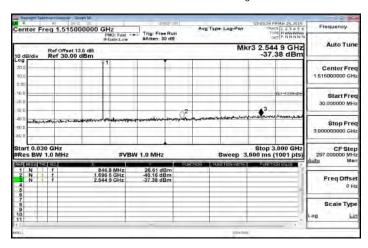
30MHz~3GHz_Band5_1_4MHz_QPSK_1_0_MidCH20525-836.5



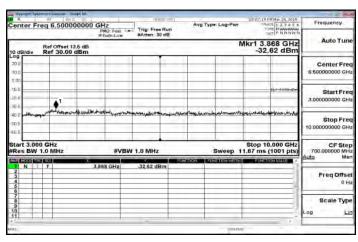
3GHz~10GHz_Band5_1_4MHz_QPSK_1_0_MidCH20525-836.5



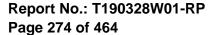
30MHz~3GHz_Band5_1_4MHz_QPSK_1_0_HighCH20643-848.3



3GHz~10GHz_Band5_1_4MHz_QPSK_1_0_HighCH20643-848.3

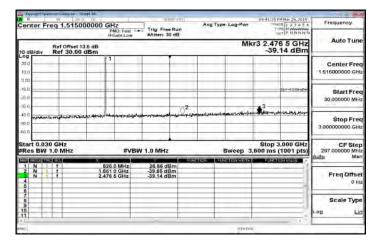


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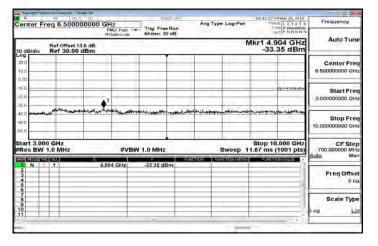




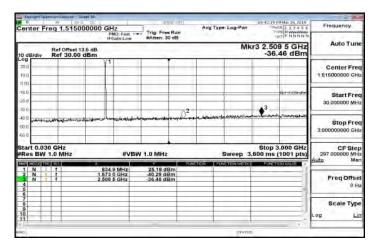
30MHz~3GHz_Band5_3MHz_QPSK_1_0_LowCH20415-825.5



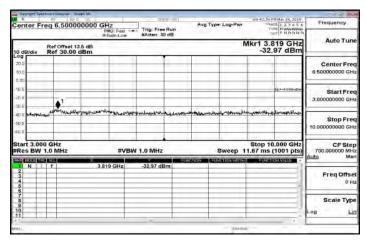
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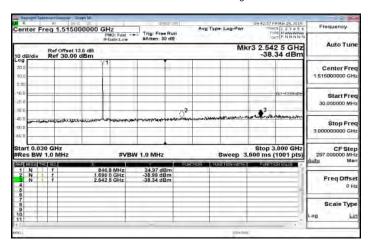
30MHz~3GHz_Band5_3MHz_QPSK_1_0_MidCH20525-836.5



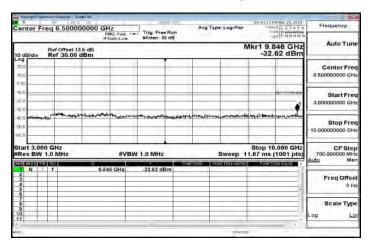
3GHz~10GHz_Band5_3MHz_QPSK_1_0_MidCH20525-836.5



30MHz~3GHz_Band5_3MHz_QPSK_1_0_HighCH20635-847.5



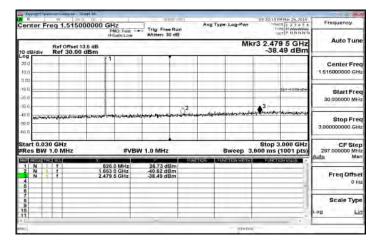
3GHz~10GHz_Band5_3MHz_QPSK_1_0_HighCH20635-847.5



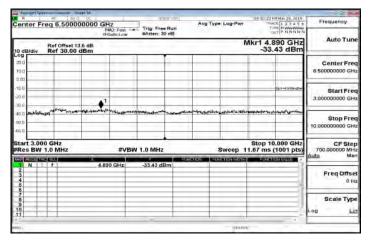
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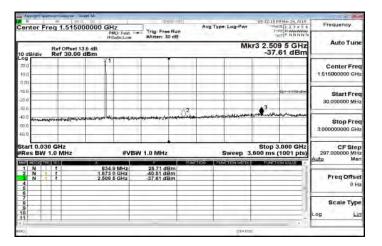
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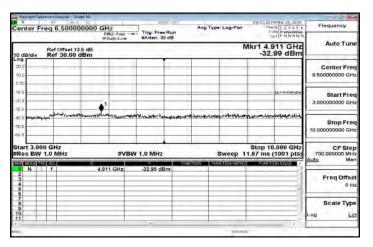
3GHz~10GHz_Band5_5MHz_QPSK_1_0_LowCH20425-826.5



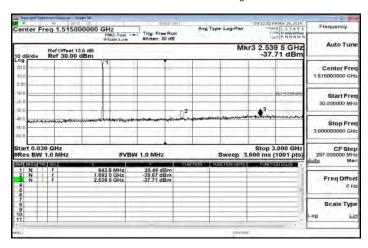
30MHz~3GHz_Band5_5MHz_QPSK_1_0_MidCH20525-836.5



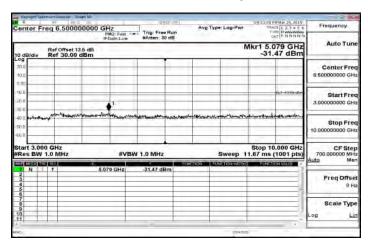
3GHz~10GHz_Band5_5MHz_QPSK_1_0_MidCH20525-836.5



30MHz~3GHz_Band5_5MHz_QPSK_1_0_HighCH20625-846.5



3GHz~10GHz_Band5_5MHz_QPSK_1_0_HighCH20625-846.5

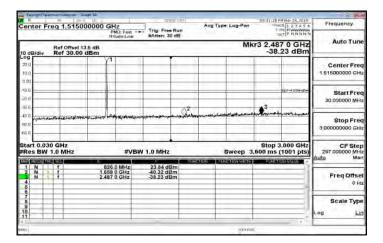


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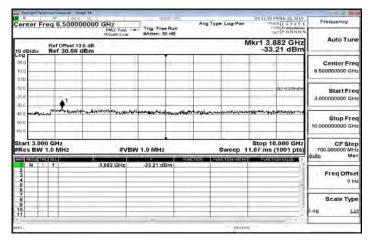




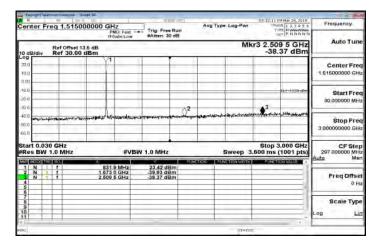
30MHz~3GHz_Band5_10MHz_QPSK_1_0_LowCH20450-829



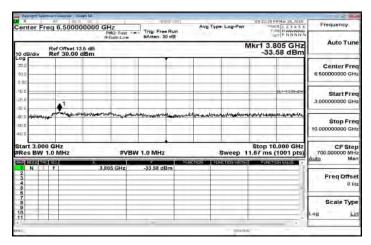
3GHz~10GHz_Band5_10MHz_QPSK_1_0_LowCH20450-829



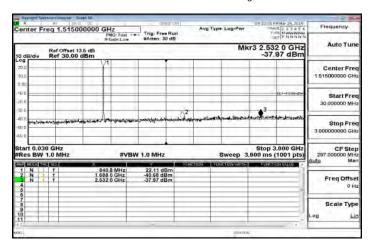
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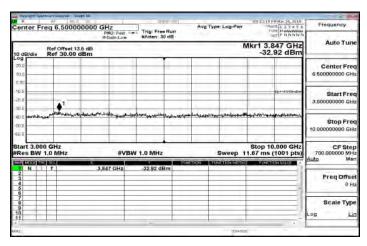
3GHz~10GHz_Band5_10MHz_QPSK_1_0_MidCH20525-836.5



30MHz~3GHz_Band5_10MHz_QPSK_1_0_HighCH20600-844



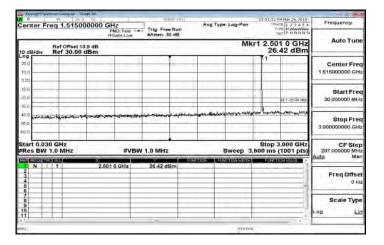
3GHz~10GHz_Band5_10MHz_QPSK_1_0_HighCH20600-844



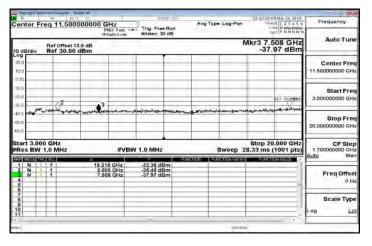
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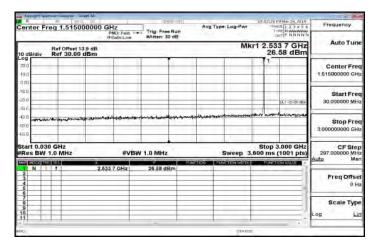
30MHz~3GHz_Band7_5MHz_QPSK_1_0_LowCH20775-2502.5



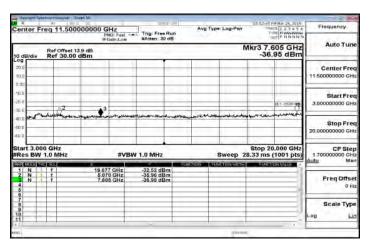
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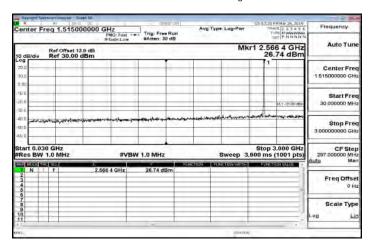
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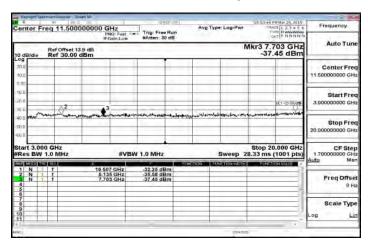
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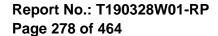
30MHz~3GHz_Band7_5MHz_QPSK_1_0_HighCH21425-2567.5



3GHz~10GHz_Band7_5MHz_QPSK_1_0_HighCH21425-2567.5

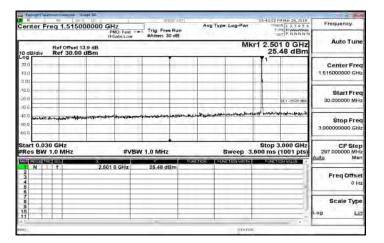


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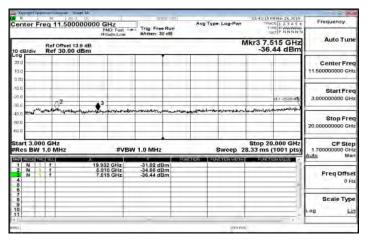




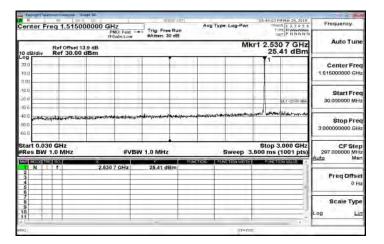
30MHz~3GHz_Band7_10MHz_QPSK_1_0_LowCH20800-2505



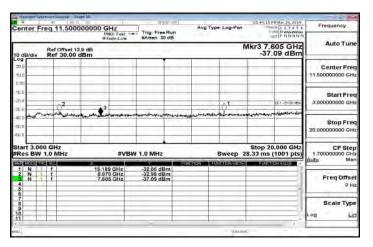
3GHz~10GHz_Band7_10MHz_QPSK_1_0_LowCH20800-2505



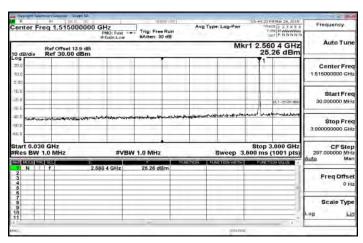
30MHz~3GHz_Band7_10MHz_QPSK_1_0_MidCH21100-2535



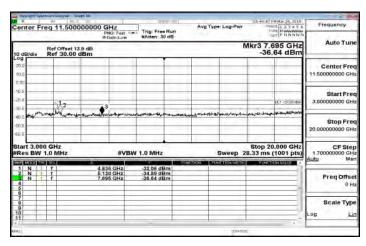
3GHz~10GHz_Band7_10MHz_QPSK_1_0_MidCH21100-2535



30MHz~3GHz_Band7_10MHz_QPSK_1_0_HighCH21400-2565



3GHz~10GHz_Band7_10MHz_QPSK_1_0_HighCH21400-2565

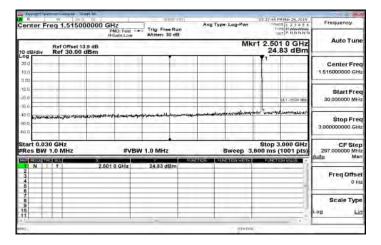


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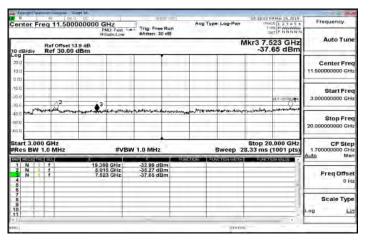




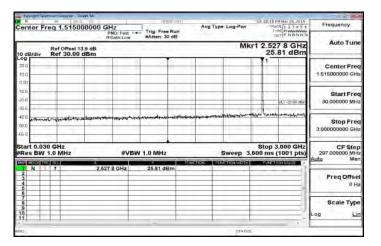
30MHz~3GHz_Band7_15MHz_QPSK_1_0_LowCH20825-2507.5



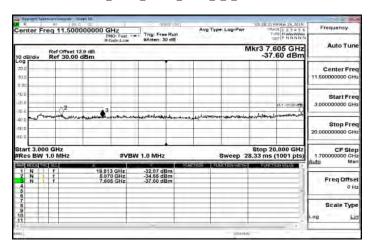
3GHz~10GHz_Band7_15MHz_QPSK_1_0_LowCH20825-2507.5



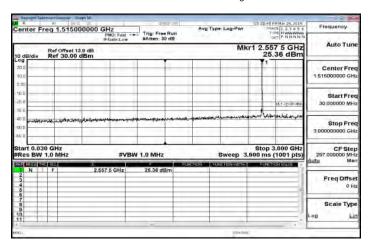
30MHz~3GHz_Band7_15MHz_QPSK_1_0_MidCH21100-2535



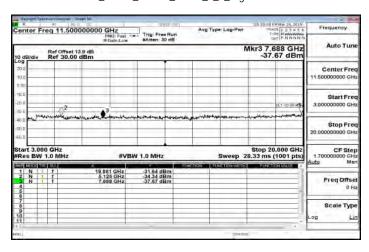
3GHz~10GHz_Band7_15MHz_QPSK_1_0_MidCH21100-2535



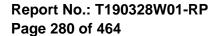
30MHz~3GHz_Band7_15MHz_QPSK_1_0_HighCH21375-2562.5



3GHz~10GHz_Band7_15MHz_QPSK_1_0_HighCH21375-2562.5

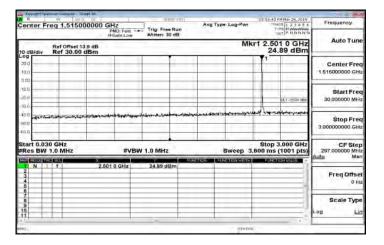


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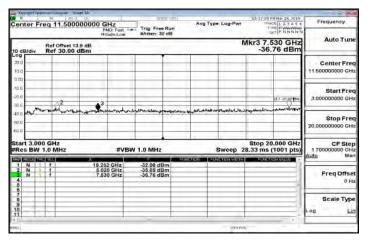




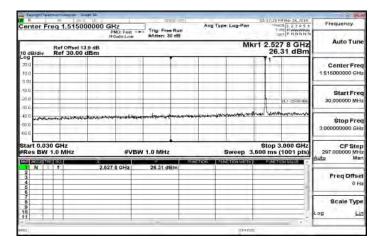
30MHz~3GHz_Band7_20MHz_QPSK_1_0_LowCH20850-2510



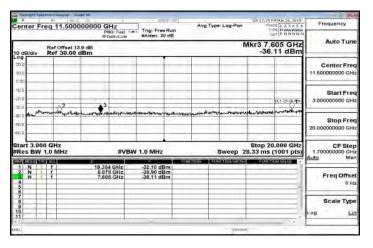
3GHz~10GHz_Band7_20MHz_QPSK_1_0_LowCH20850-2510



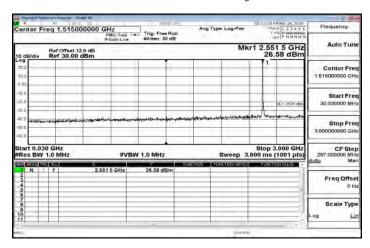
30MHz~3GHz_Band7_20MHz_QPSK_1_0_MidCH21100-2535



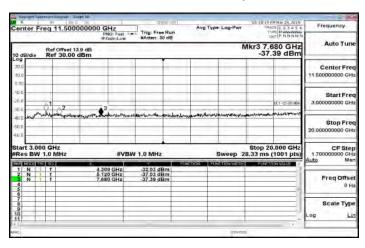
3GHz~10GHz_Band7_20MHz_QPSK_1_0_MidCH21100-2535



30MHz~3GHz_Band7_20MHz_QPSK_1_0_HighCH21350-2560



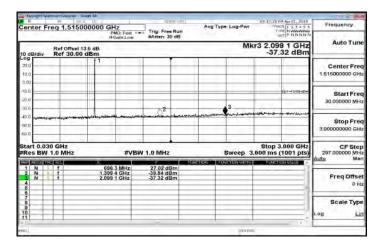
3GHz~10GHz_Band7_20MHz_QPSK_1_0_HighCH21350-2560



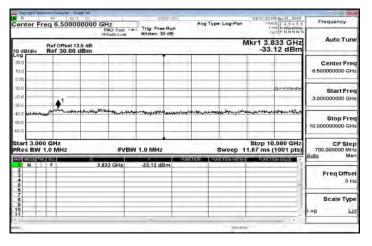
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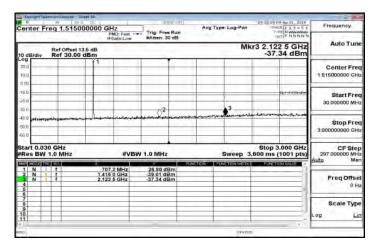
30MHz~3GHz_Band12_1_4MHz_QPSK_1_0_LowCH23017-699.7



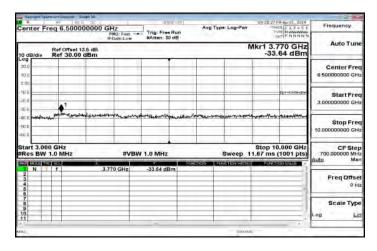
3GHz~10GHz_Band12_1_4MHz_QPSK_1_0_LowCH23017-699.7



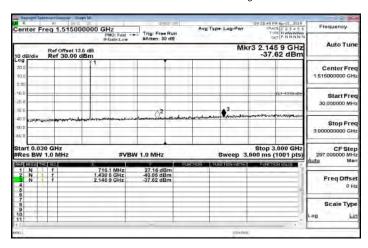
30MHz~3GHz_Band12_1_4MHz_QPSK_1_0_MidCH23095-707.5



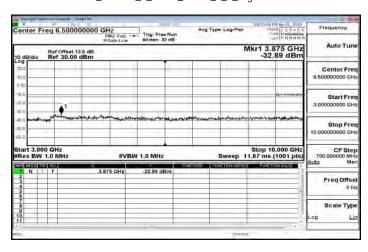
3GHz~10GHz_Band12_1_4MHz_QPSK_1_0_MidCH23095-707.5



30MHz~3GHz_Band12_1_4MHz_QPSK_1_0_HighCH23173-715.3



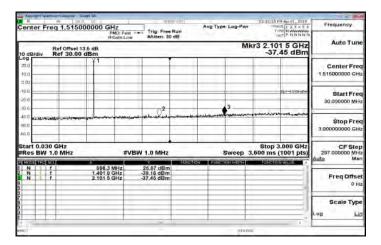
3GHz~10GHz_Band12_1_4MHz_QPSK_1_0_HighCH23173-715.3



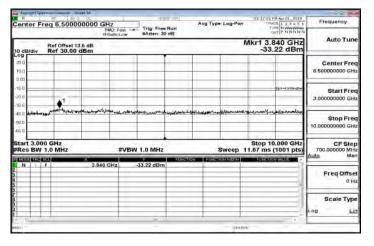
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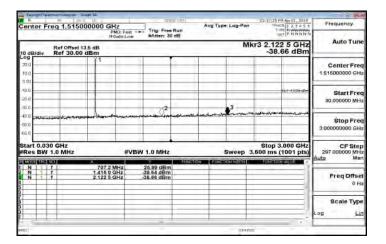
30MHz~3GHz_Band12_3MHz_QPSK_1_0_LowCH23025-700.5



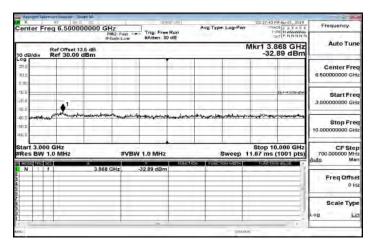
3GHz~10GHz_Band12_3MHz_QPSK_1_0_LowCH23025-700.5



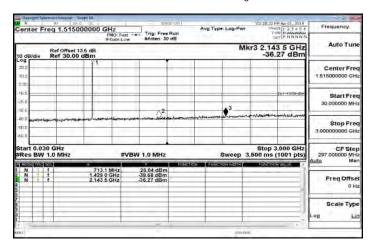
30MHz~3GHz_Band12_3MHz_QPSK_1_0_MidCH23095-707.5



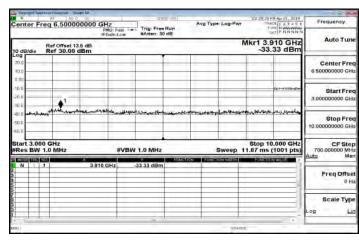
3GHz~10GHz_Band12_3MHz_QPSK_1_0_MidCH23095-707.5



30MHz~3GHz_Band12_3MHz_QPSK_1_0_HighCH23165-714.5



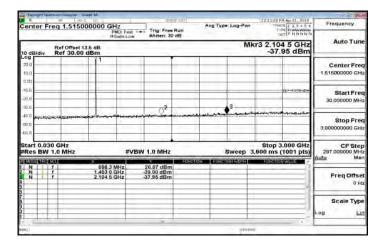
3GHz~10GHz_Band12_3MHz_QPSK_1_0_HighCH23165-714.5



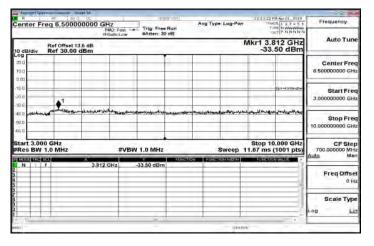
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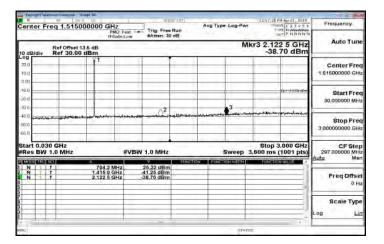
30MHz~3GHz_Band12_5MHz_QPSK_1_0_LowCH23035-701.5



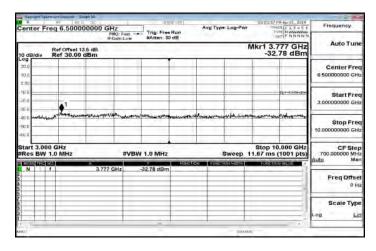
3GHz~10GHz_Band12_5MHz_QPSK_1_0_LowCH23035-701.5



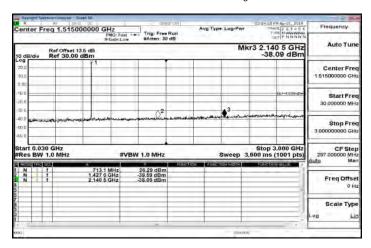
30MHz~3GHz_Band12_5MHz_QPSK_1_0_MidCH23095-707.5



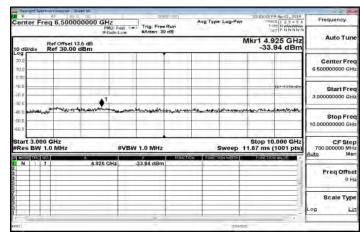
3GHz~10GHz_Band12_5MHz_QPSK_1_0_MidCH23095-707.5



30MHz~3GHz_Band12_5MHz_QPSK_1_0_HighCH23155-713.5



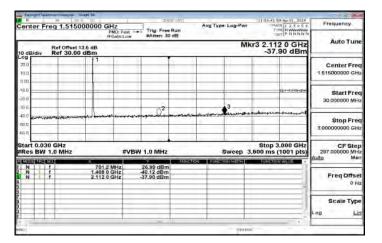
3GHz~10GHz_Band12_5MHz_QPSK_1_0_HighCH23155-713.5



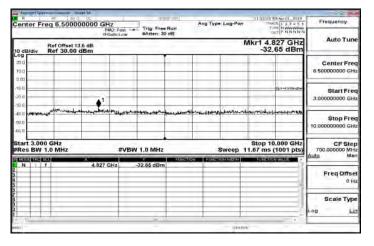
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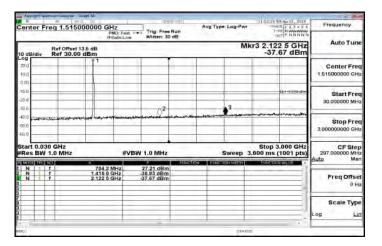
30MHz~3GHz_Band12_10MHz_QPSK_1_0_LowCH23060-704



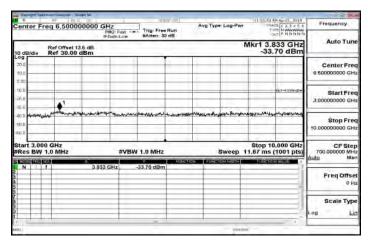
3GHz~10GHz_Band12_10MHz_QPSK_1_0_LowCH23060-704



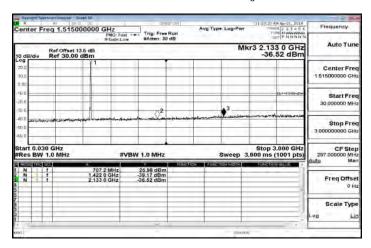
30MHz~3GHz_Band12_10MHz_QPSK_1_0_MidCH23095-707.5



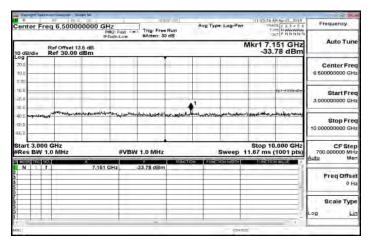
3GHz~10GHz_Band12_10MHz_QPSK_1_0_MidCH23095-707.5



30MHz~3GHz_Band12_10MHz_QPSK_1_0_HighCH23130-711



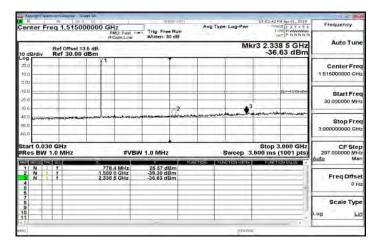
3GHz~10GHz_Band12_10MHz_QPSK_1_0_HighCH23130-711



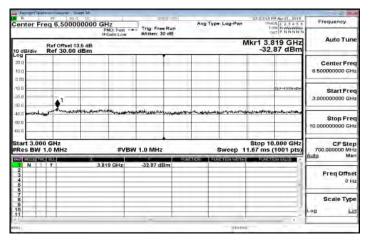
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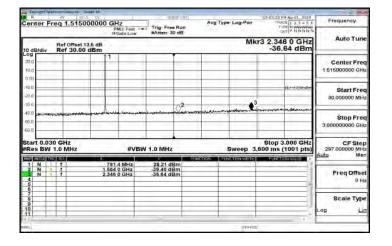
30MHz~3GHz_Band13_5MHz_QPSK_1_0_LowCH23205-779.5



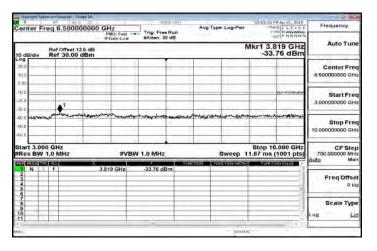
3GHz~10GHz_Band13_5MHz_QPSK_1_0_LowCH23205-779.5



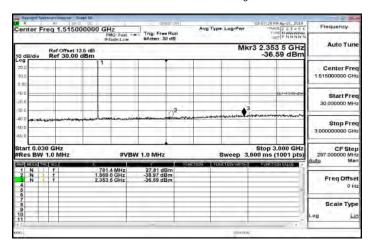
30MHz~3GHz_Band13_5MHz_QPSK_1_0_MidCH23230-782



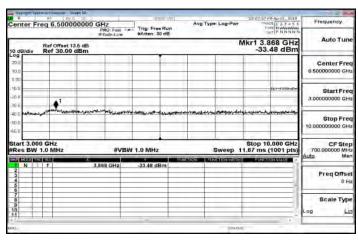
3GHz~10GHz_Band13_5MHz_QPSK_1_0_MidCH23230-782



30MHz~3GHz_Band13_5MHz_QPSK_1_0_HighCH23255-784.5



3GHz~10GHz_Band13_5MHz_QPSK_1_0_HighCH23255-784.5

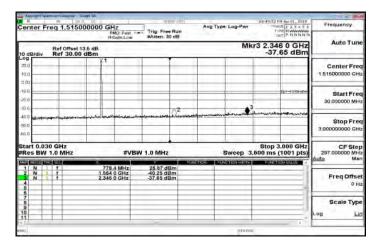


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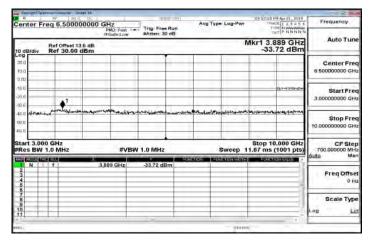




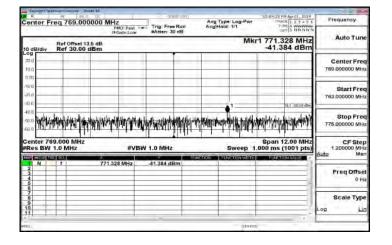
30MHz~3GHz_Band13_10MHz_QPSK_1_0_MidCH23230-782



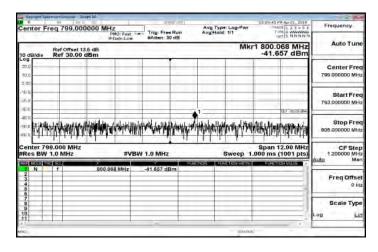
3GHz~10GHz_Band13_10MHz_QPSK_1_0_MidCH23230-782



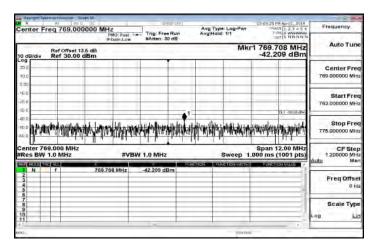
Inband-1_Band13_5MHz_QPSK_1_0_LowCH23205-779.5



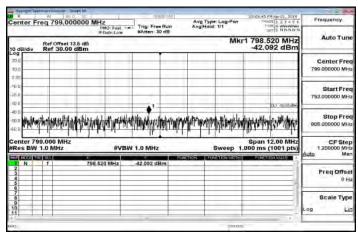
Inband-2_Band13_5MHz_QPSK_1_0_LowCH23205-779.5



Inband-1_Band13_5MHz_QPSK_1_0_MidCH23230-782



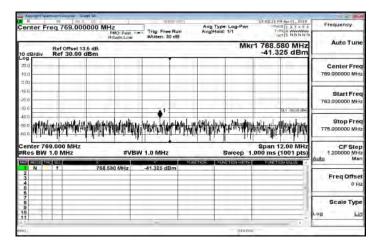
Inband-2_Band13_5MHz_QPSK_1_0_MidCH23230-782



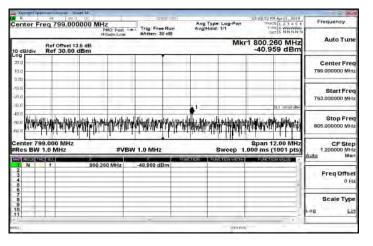
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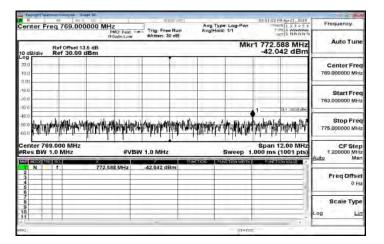
Inband-1_Band13_5MHz_QPSK_1_0_HighCH23255-784.5



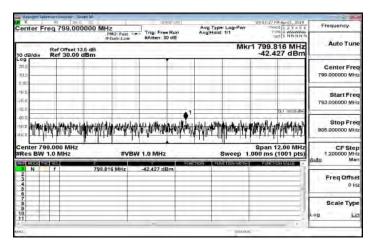
Inband-2_Band13_5MHz_QPSK_1_0_HighCH23255-784.5



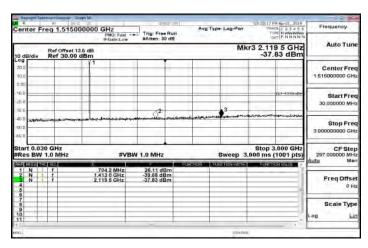
Inband-1_Band13_10MHz_QPSK_1_0_MidCH23230-782



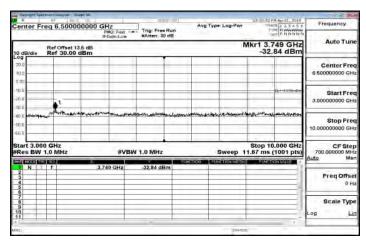
Inband-2_Band13_10MHz_QPSK_1_0_MidCH23230-782



30MHz~3GHz_Band17_5MHz_QPSK_1_0_LowCH23755-706.5



3GHz~10GHz_Band17_5MHz_QPSK_1_0_LowCH23755-706.5

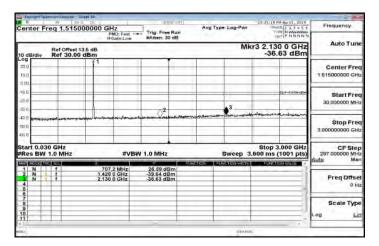


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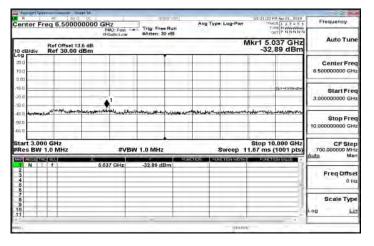




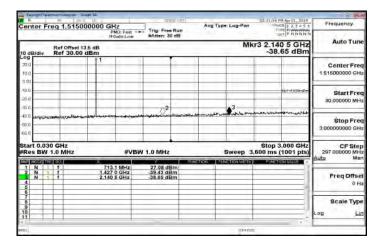
30MHz~3GHz_Band17_5MHz_QPSK_1_0_MidCH23790-710



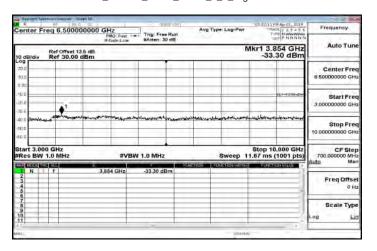
3GHz~10GHz_Band17_5MHz_QPSK_1_0_MidCH23790-710



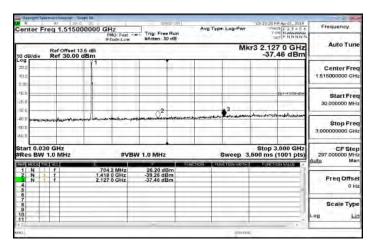
30MHz~3GHz_Band17_5MHz_QPSK_1_0_HighCH23825-713.5



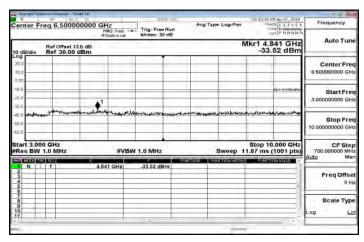
3GHz~10GHz_Band17_5MHz_QPSK_1_0_HighCH23825-713.5



30MHz~3GHz_Band17_10MHz_QPSK_1_0_LowCH23780-709



3GHz~10GHz_Band17_10MHz_QPSK_1_0_LowCH23780-709

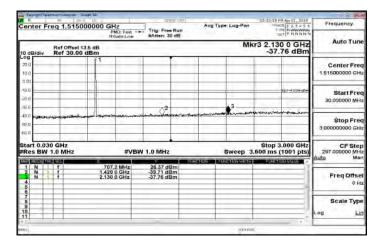


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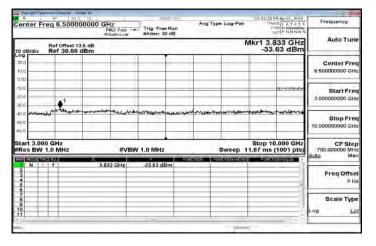




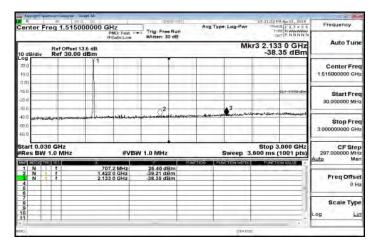
30MHz~3GHz_Band17_10MHz_QPSK_1_0_MidCH23790-710



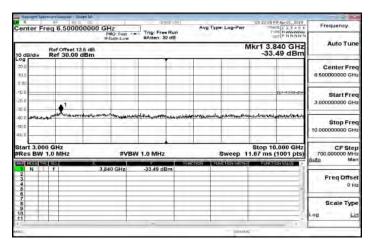
3GHz~10GHz_Band17_10MHz_QPSK_1_0_MidCH23790-710



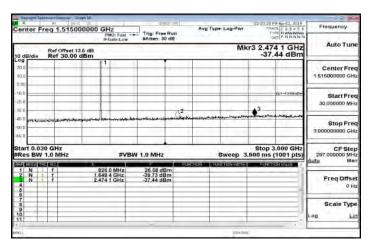
30MHz~3GHz_Band17_10MHz_QPSK_1_0_HighCH23800-711



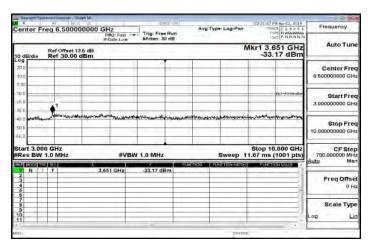
3GHz~10GHz_Band17_10MHz_QPSK_1_0_HighCH23800-711



30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_LowCH26797-824.7



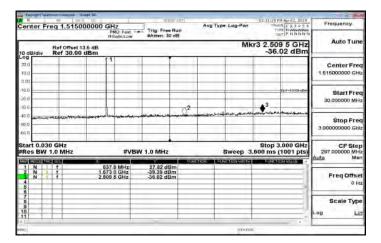
3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_LowCH26797-824.7



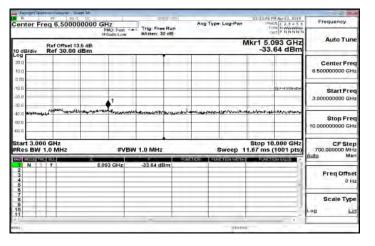
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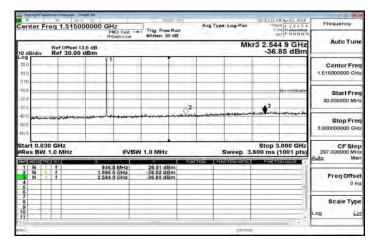
30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_MidCH26915-836.5



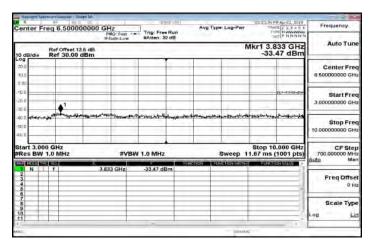
3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_MidCH26915-836.5



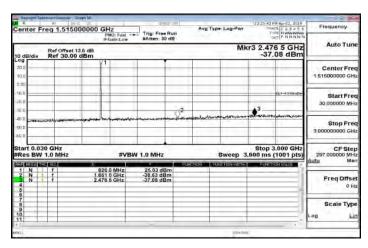
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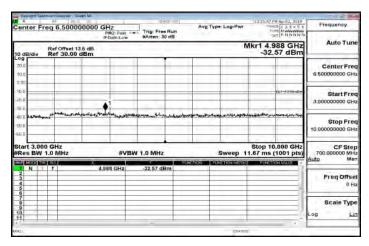
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30MHz~3GHz_Band26_3MHz_QPSK_1_0_LowCH26805-825.5



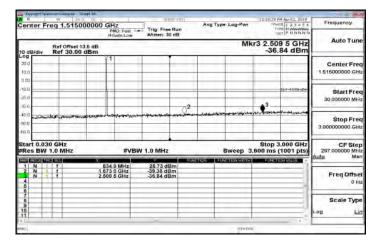
3GHz~10GHz_Band26_3MHz_QPSK_1_0_LowCH26805-825.5



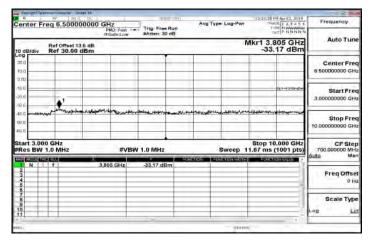
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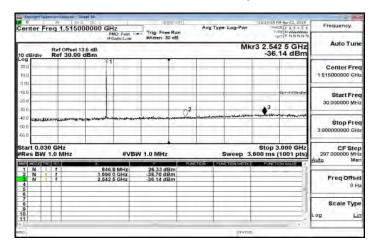
30MHz~3GHz_Band26_3MHz_QPSK_1_0_MidCH26915-836.5



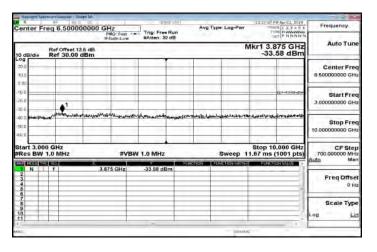
3GHz~10GHz_Band26_3MHz_QPSK_1_0_MidCH26915-836.5



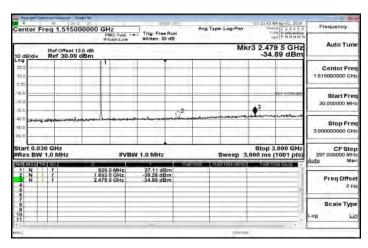
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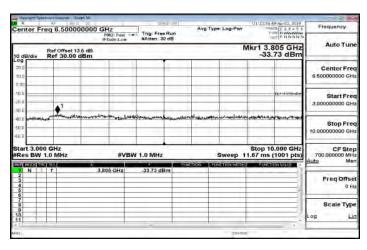
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30MHz~3GHz_Band26_5MHz_QPSK_1_0_LowCH26815-826.5



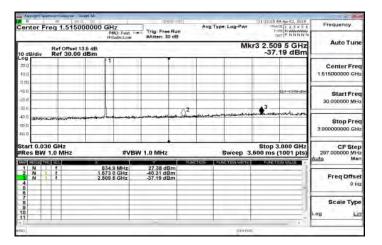
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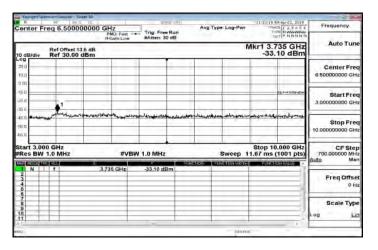
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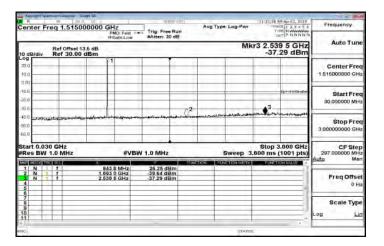
30MHz~3GHz_Band26_5MHz_QPSK_1_0_MidCH26915-836.5



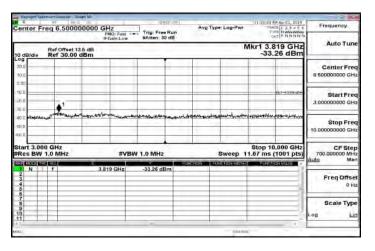
3GHz~10GHz_Band26_5MHz_QPSK_1_0_MidCH26915-836.5



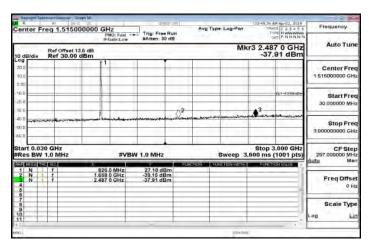
30MHz~3GHz_Band26_5MHz_QPSK_1_0_HighCH27015-846.5



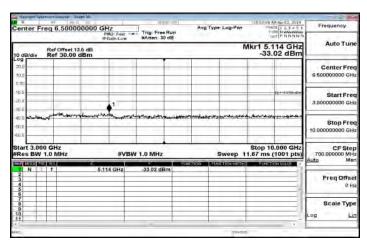
3GHz~10GHz_Band26_5MHz_QPSK_1_0_HighCH27015-846.5



30MHz~3GHz_Band26_10MHz_QPSK_1_0_LowCH26840-829



3GHz~10GHz_Band26_10MHz_QPSK_1_0_LowCH26840-829

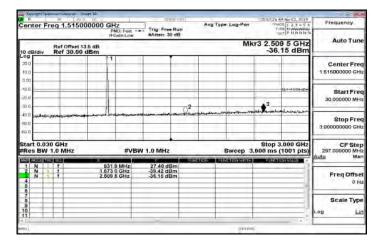


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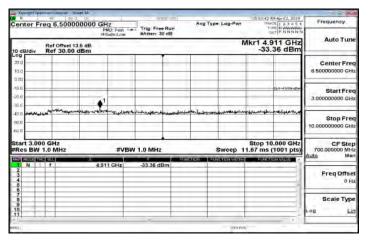




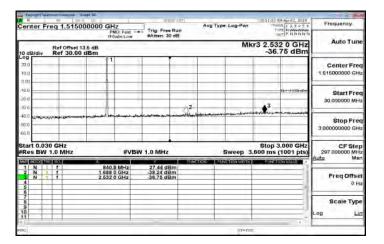
30MHz~3GHz_Band26_10MHz_QPSK_1_0_MidCH26915-836.5



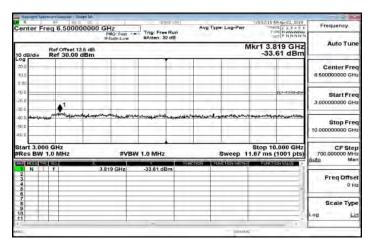
3GHz~10GHz_Band26_10MHz_QPSK_1_0_MidCH26915-836.5



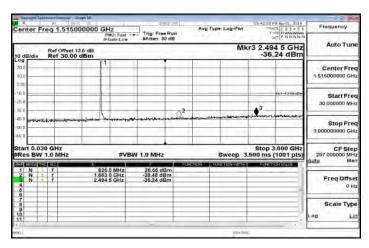
30MHz~3GHz_Band26_10MHz_QPSK_1_0_HighCH26990-844



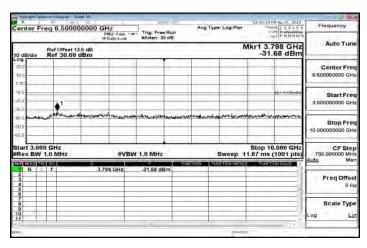
3GHz~10GHz_Band26_10MHz_QPSK_1_0_HighCH26990-844



30MHz~3GHz_Band26_15MHz_QPSK_1_0_LowCH26865-831.5



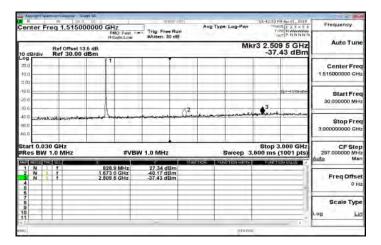
3GHz~10GHz_Band26_15MHz_QPSK_1_0_LowCH26865-831.5



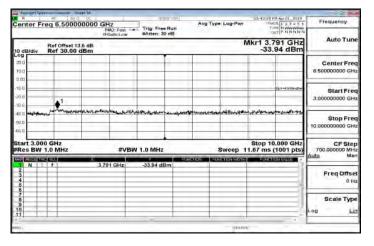
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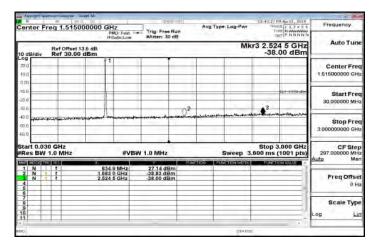
30MHz~3GHz_Band26_15MHz_QPSK_1_0_MidCH26915-836.5



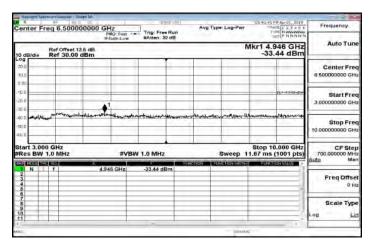
3GHz~10GHz_Band26_15MHz_QPSK_1_0_MidCH26915-836.5



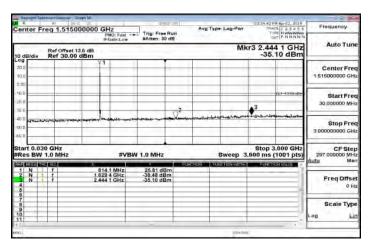
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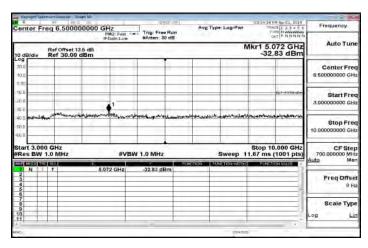
3GHz~10GHz_Band26_15MHz_QPSK_1_0_HighCH26965-841.5



30MHz~3GHz_Band26_Part90s_1_4MHz_QPSK_1_0_LowCH26697-814.7



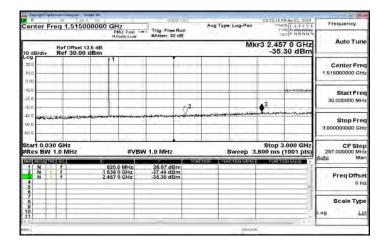
3GHz~10GHz_Band26_Part90s_1_4MHz_QPSK_1_0_LowCH26697-814.7



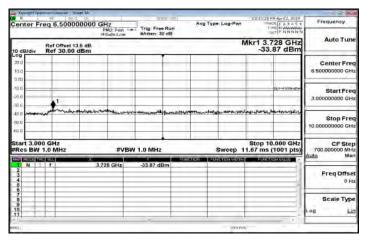
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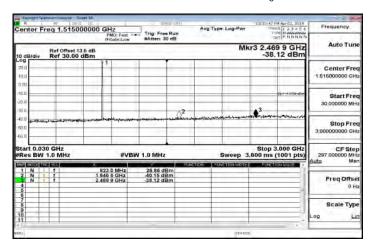
30MHz~3GHz_Band26_Part90s_1_4MHz_QPSK_1_0_MidCH26740-819



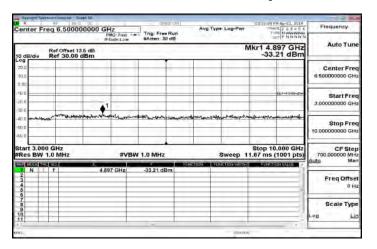
3GHz~10GHz_Band26_Part90s_1_4MHz_QPSK_1_0_MidCH26740-819



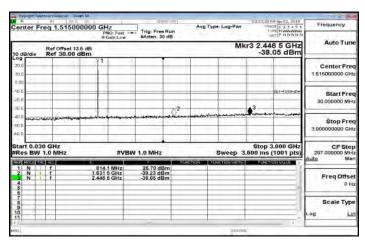
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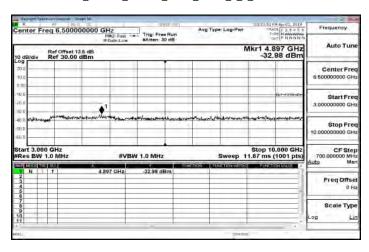
3GHz~10GHz_Band26_Part90s_1_4MHz_QPSK_1_0_HighCH26783-823.3



30MHz~3GHz_Band26_Part90s_3MHz_QPSK_1_0_LowCH26705-815.5



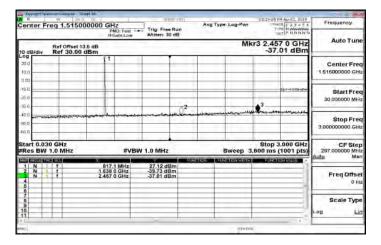
3GHz~10GHz_Band26_Part90s_3MHz_QPSK_1_0_LowCH26705-815.5



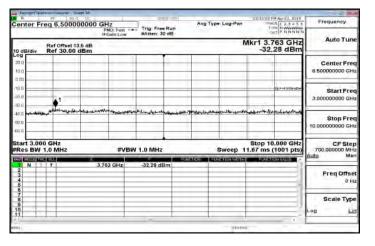
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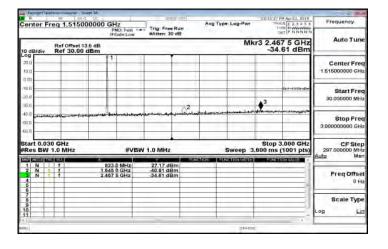
30MHz~3GHz_Band26_Part90s_3MHz_QPSK_1_0_MidCH26740-819



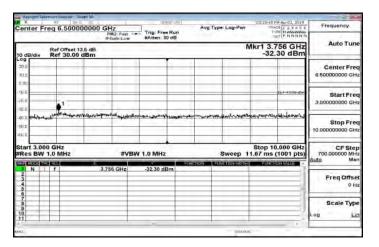
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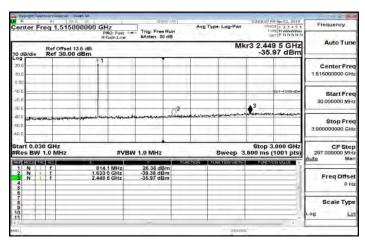
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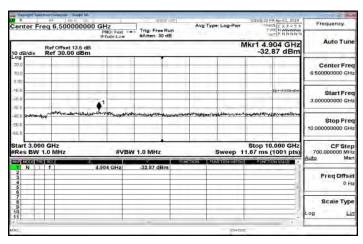
3GHz~10GHz_Band26_Part90s_3MHz_QPSK_1_0_HighCH26775-822.5



30MHz~3GHz_Band26_Part90s_5MHz_QPSK_1_0_LowCH26715-816.5



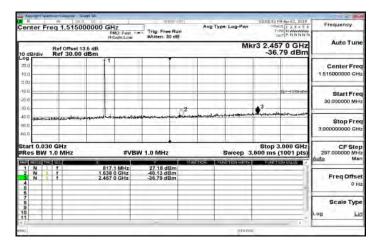
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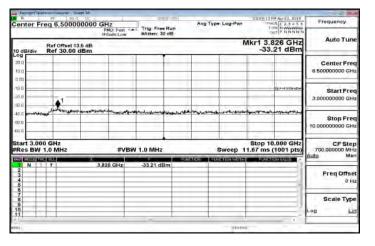
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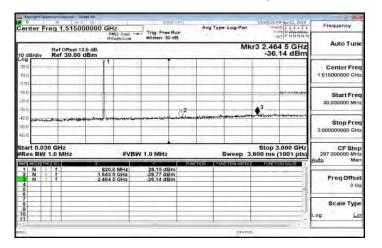
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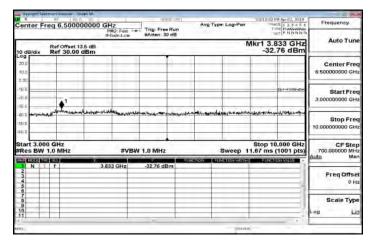
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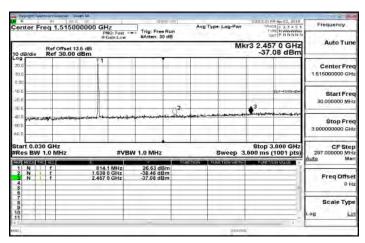
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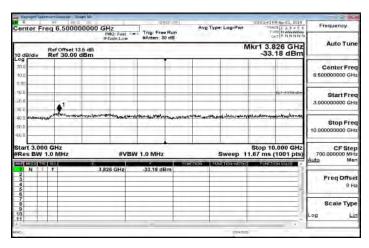
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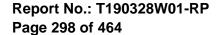
30MHz~3GHz_Band26_Part90s_10MHz_QPSK_1_0_MidCH26740-819



3GHz~10GHz_Band26_Part90s_10MHz_QPSK_1_0_MidCH26740-819

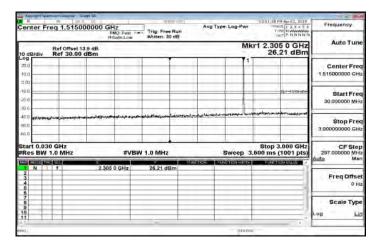


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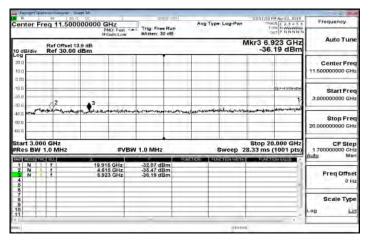




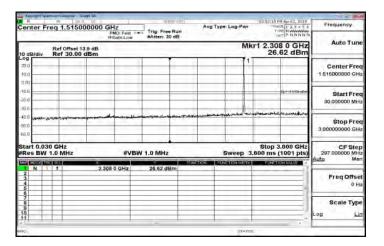
30MHz~3GHz_Band30_5MHz_QPSK_1_0_LowCH27685-2307.5



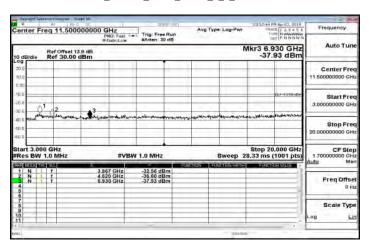
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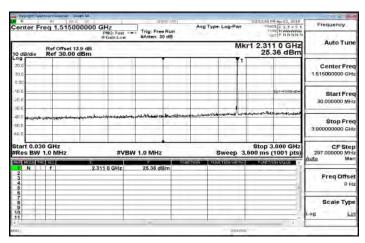
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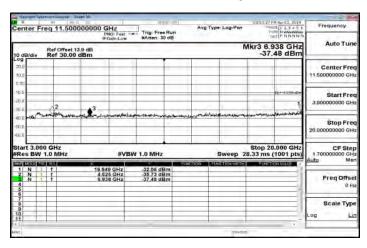
3GHz~10GHz_Band30_5MHz_QPSK_1_0_MidCH27710-2310



30MHz~3GHz_Band30_5MHz_QPSK_1_0_HighCH27735-2312.5



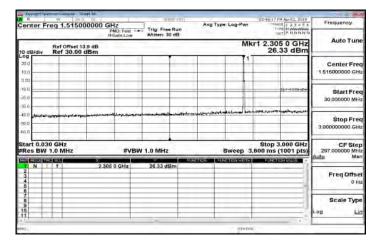
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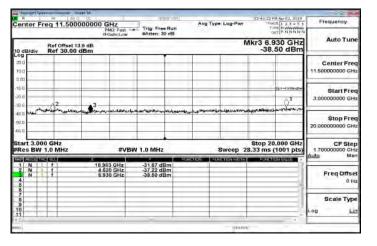
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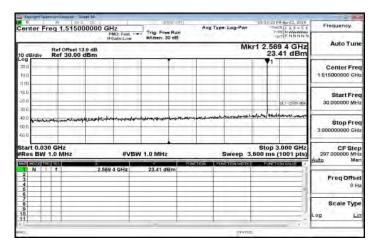
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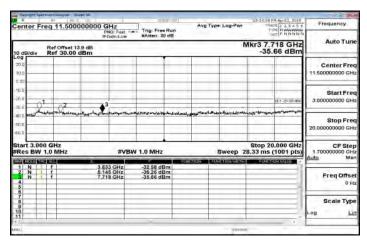
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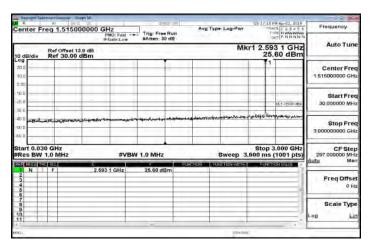
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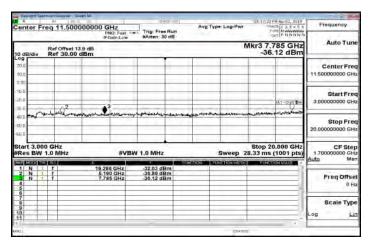
3GHz~10GHz_Band38_5MHz_QPSK_1_0_LowCH37775-2572.5



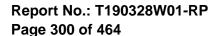
30MHz~3GHz_Band38_5MHz_QPSK_1_0_MidCH38000-2595



3GHz~10GHz_Band38_5MHz_QPSK_1_0_MidCH38000-2595

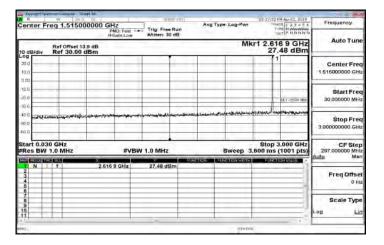


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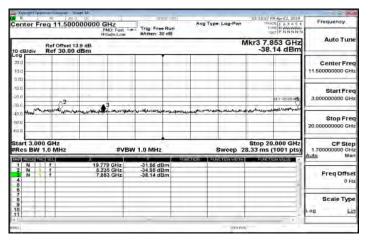




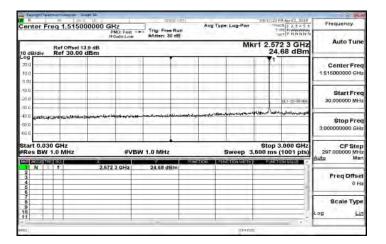
30MHz~3GHz_Band38_5MHz_QPSK_1_0_HighCH38225-2617.5



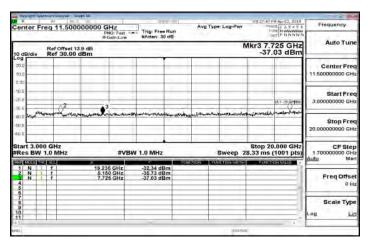
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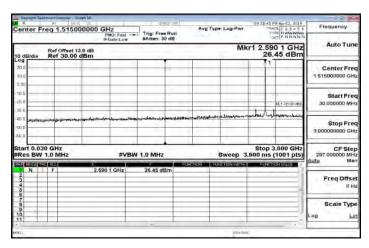
30MHz~3GHz_Band38_10MHz_QPSK_1_0_LowCH37800-2575



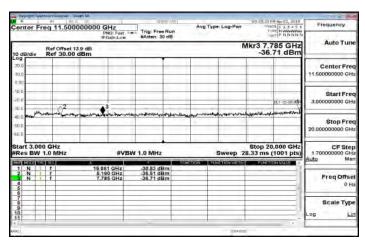
3GHz~10GHz_Band38_10MHz_QPSK_1_0_LowCH37800-2575



30MHz~3GHz_Band38_10MHz_QPSK_1_0_MidCH38000-2595



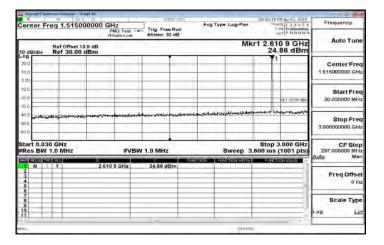
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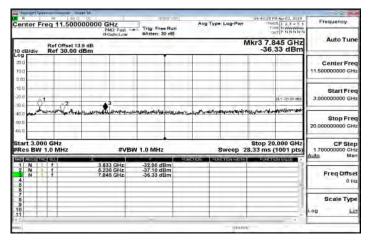
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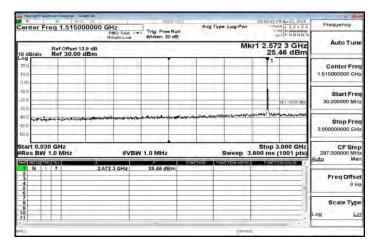
30MHz~3GHz_Band38_10MHz_QPSK_1_0_HighCH38200-2615



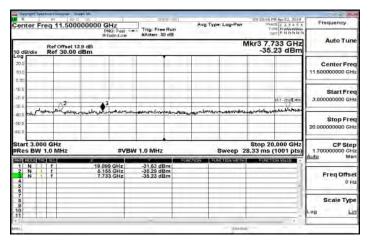
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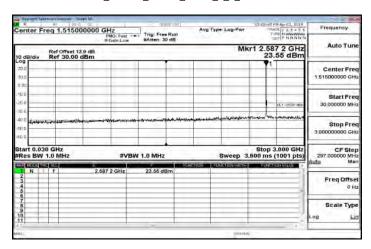
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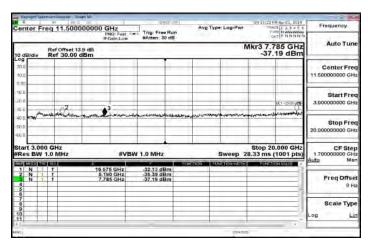
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30MHz~3GHz_Band38_15MHz_QPSK_1_0_MidCH38000-2595



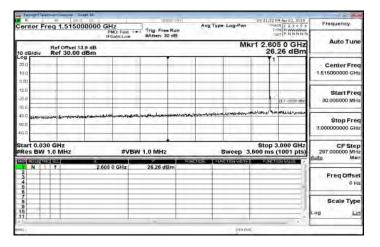
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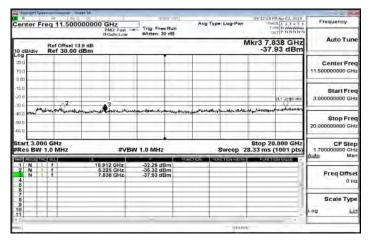
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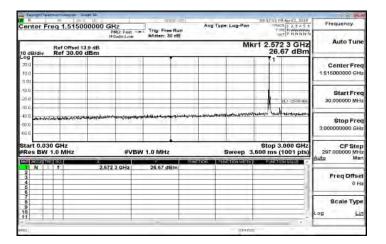
30MHz~3GHz_Band38_15MHz_QPSK_1_0_HighCH38175-2612.5



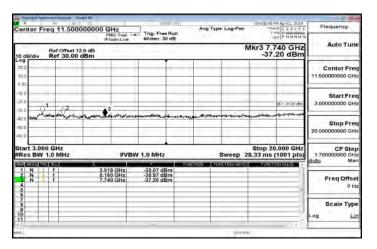
3GHz~10GHz_Band38_15MHz_QPSK_1_0_HighCH38175-2612.5



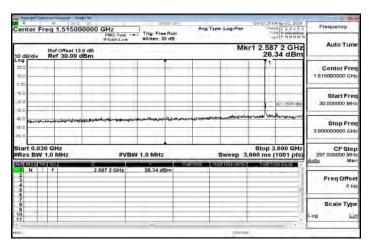
30MHz~3GHz_Band38_20MHz_QPSK_1_0_LowCH37850-2580



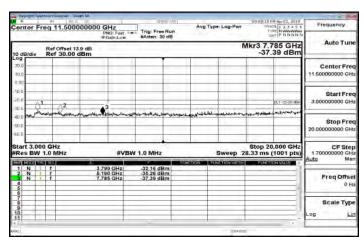
3GHz~10GHz_Band38_20MHz_QPSK_1_0_LowCH37850-2580



30MHz~3GHz_Band38_20MHz_QPSK_1_0_MidCH38000-2595



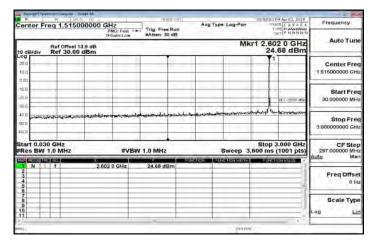
3GHz~10GHz_Band38_20MHz_QPSK_1_0_MidCH38000-2595



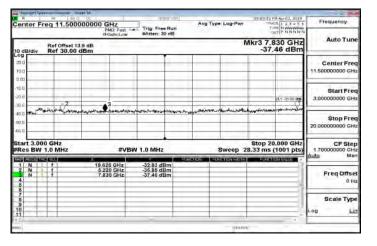
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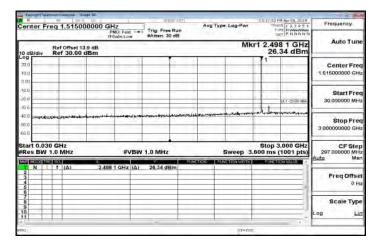
30MHz~3GHz_Band38_20MHz_QPSK_1_0_HighCH38150-2610



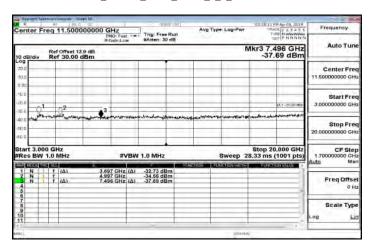
3GHz~10GHz_Band38_20MHz_QPSK_1_0_HighCH38150-2610



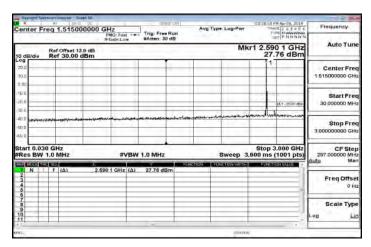
30MHz~3GHz_Band41_5MHz_QPSK_1_0_LowCH39675-2498.5



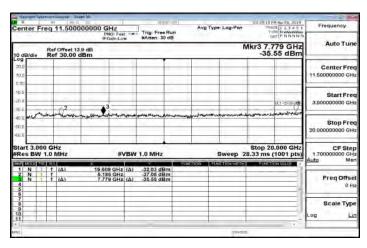
3GHz~10GHz_Band41_5MHz_QPSK_1_0_LowCH39675-2498.5



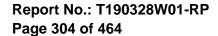
30MHz~3GHz_Band41_5MHz_QPSK_1_0_MidCH40620-2593



3GHz~10GHz_Band41_5MHz_QPSK_1_0_MidCH40620-2593

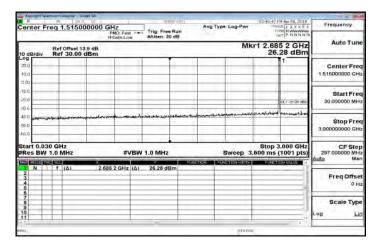


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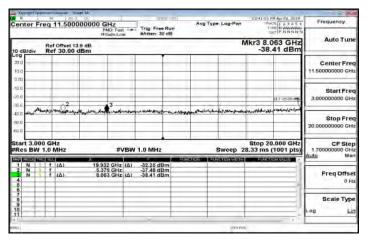




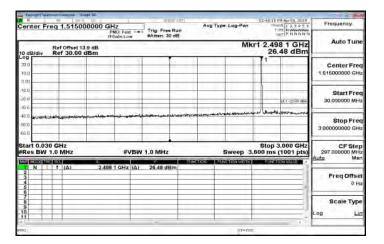
30MHz~3GHz_Band41_5MHz_QPSK_1_0_HighCH41565-2687.5



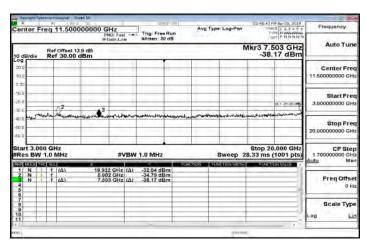
3GHz~10GHz_Band41_5MHz_QPSK_1_0_HighCH41565-2687.5



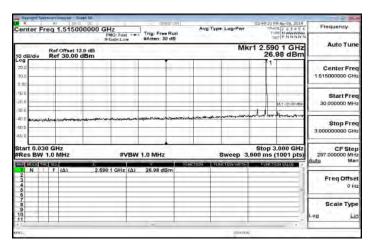
30MHz~3GHz_Band41_10MHz_QPSK_1_0_LowCH39700-2501



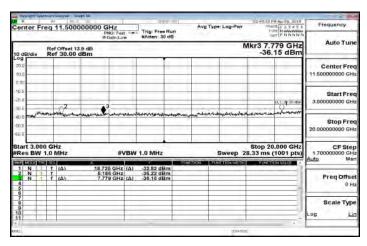
3GHz~10GHz_Band41_10MHz_QPSK_1_0_LowCH39700-2501



30MHz~3GHz_Band41_10MHz_QPSK_1_0_MidCH40620-2593



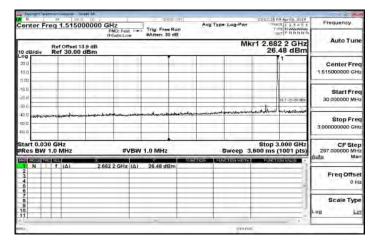
3GHz~10GHz_Band41_10MHz_QPSK_1_0_MidCH40620-2593



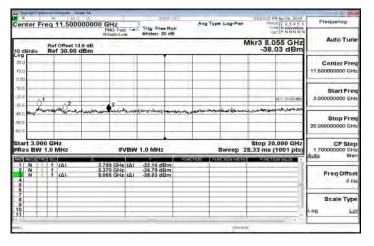
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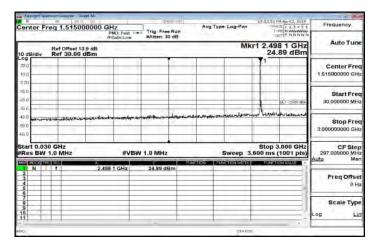
30MHz~3GHz_Band41_10MHz_QPSK_1_0_HighCH41540-2685



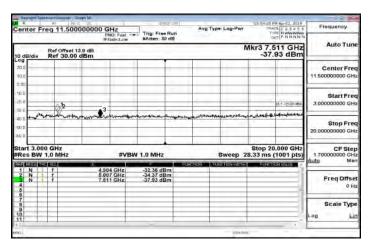
3GHz~10GHz_Band41_10MHz_QPSK_1_0_HighCH41540-2685



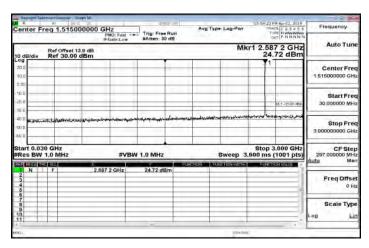
30MHz~3GHz_Band41_15MHz_QPSK_1_0_LowCH39725-2503.5



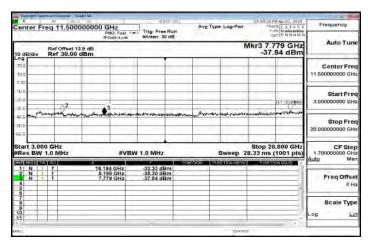
3GHz~10GHz_Band41_15MHz_QPSK_1_0_LowCH39725-2503.5



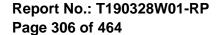
30MHz~3GHz_Band41_15MHz_QPSK_1_0_MidCH40620-2593



3GHz~10GHz_Band41_15MHz_QPSK_1_0_MidCH40620-2593

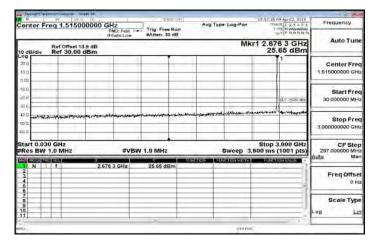


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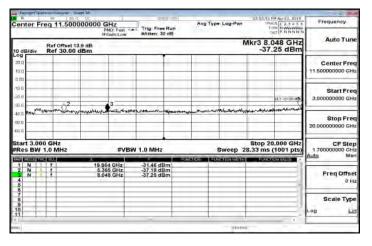




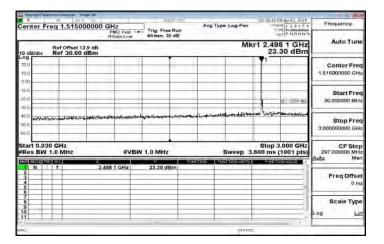
30MHz~3GHz_Band41_15MHz_QPSK_1_0_HighCH41515-2682.5



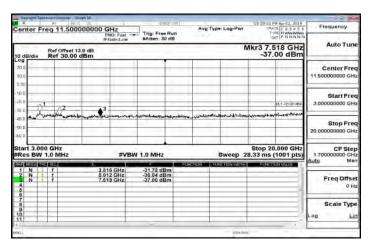
3GHz~10GHz_Band41_15MHz_QPSK_1_0_HighCH41515-2682.5



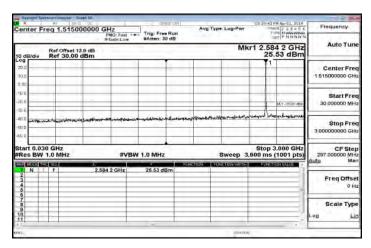
30MHz~3GHz_Band41_20MHz_QPSK_1_0_LowCH39750-2506



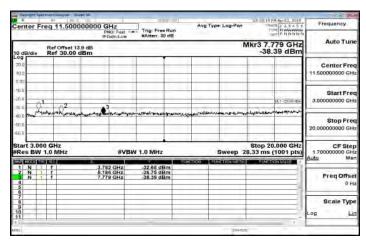
3GHz~10GHz_Band41_20MHz_QPSK_1_0_LowCH39750-2506



30MHz~3GHz_Band41_20MHz_QPSK_1_0_MidCH40620-2593



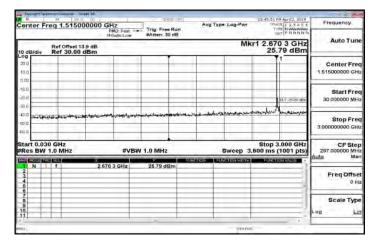
3GHz~10GHz_Band41_20MHz_QPSK_1_0_MidCH40620-2593



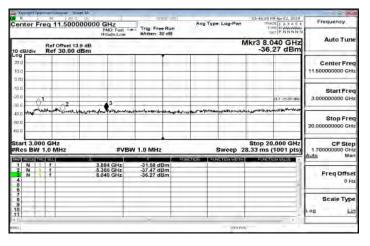
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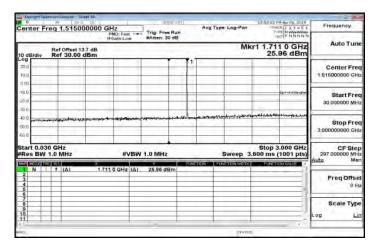
30MHz~3GHz_Band41_20MHz_QPSK_1_0_HighCH41490-2680



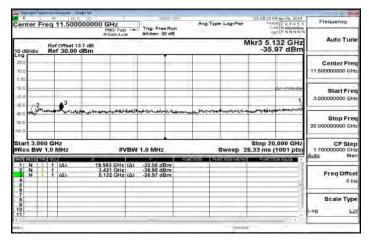
3GHz~10GHz_Band41_20MHz_QPSK_1_0_HighCH41490-2680



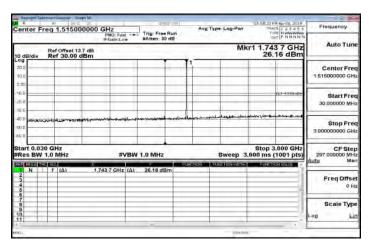
30MHz~3GHz_Band66_1_4MHz_QPSK_1_0_LowCH131979-1710.7



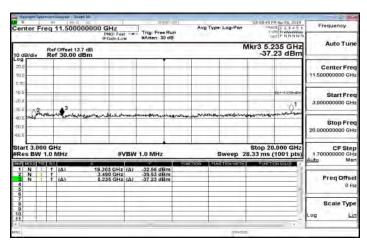
3GHz~10GHz_Band66_1_4MHz_QPSK_1_0_LowCH131979-1710.7



30MHz~3GHz_Band66_1_4MHz_QPSK_1_0_MidCH132322-1745



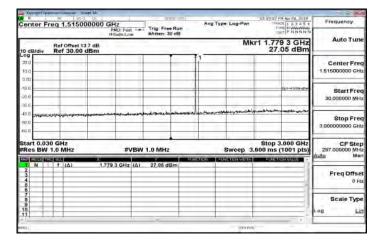
3GHz~10GHz_Band66_1_4MHz_QPSK_1_0_MidCH132322-1745



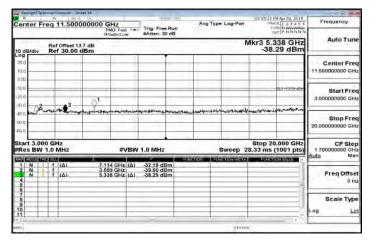
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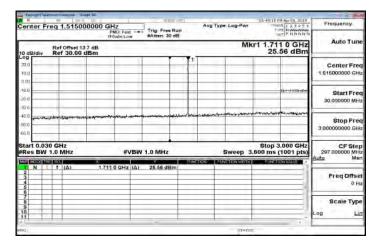
30MHz~3GHz_Band66_1_4MHz_QPSK_1_0_HighCH132665-1779.3



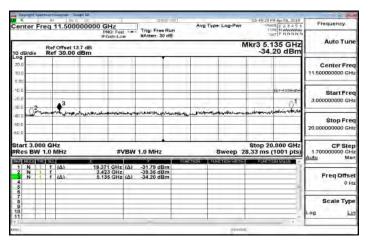
3GHz~10GHz_Band66_1_4MHz_QPSK_1_0_HighCH132665-1779.3



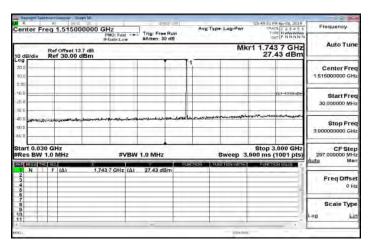
30MHz~3GHz_Band66_3MHz_QPSK_1_0_LowCH131987-1711.5



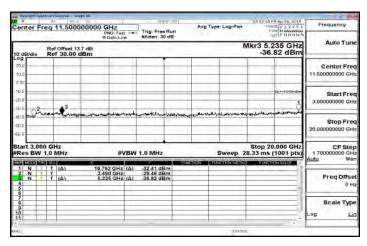
3GHz~10GHz_Band66_3MHz_QPSK_1_0_LowCH131987-1711.5



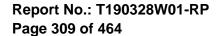
30MHz~3GHz_Band66_3MHz_QPSK_1_0_MidCH132322-1745



3GHz~10GHz_Band66_3MHz_QPSK_1_0_MidCH132322-1745

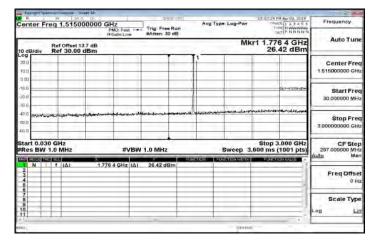


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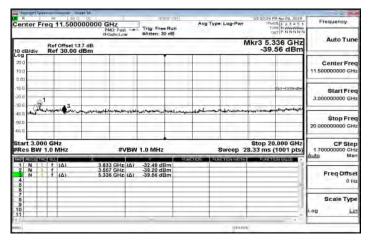




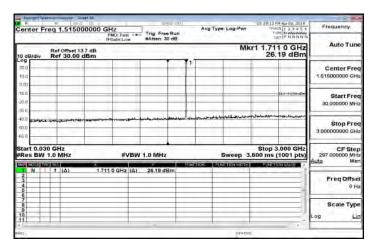
30MHz~3GHz_Band66_3MHz_QPSK_1_0_HighCH132657-1778.5



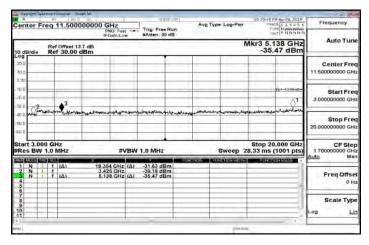
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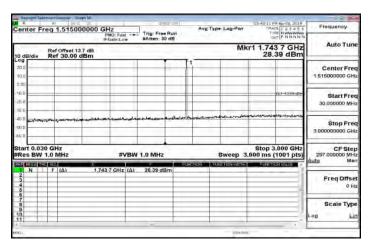
30MHz~3GHz_Band66_5MHz_QPSK_1_0_LowCH131997-1712.5



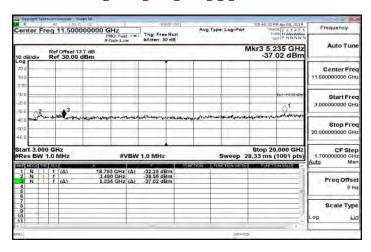
3GHz~10GHz_Band66_5MHz_QPSK_1_0_LowCH131997-1712.5



30MHz~3GHz_Band66_5MHz_QPSK_1_0_MidCH132322-1745



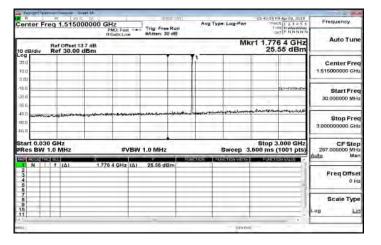
3GHz~10GHz_Band66_5MHz_QPSK_1_0_MidCH132322-1745



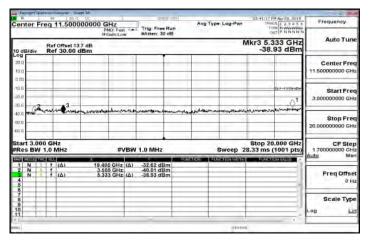




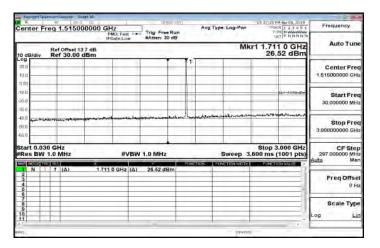
30MHz~3GHz_Band66_5MHz_QPSK_1_0_HighCH132647-1777.5



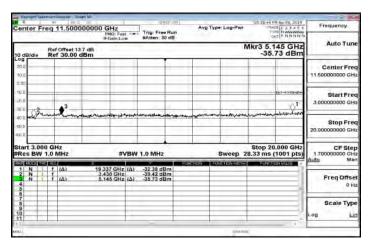
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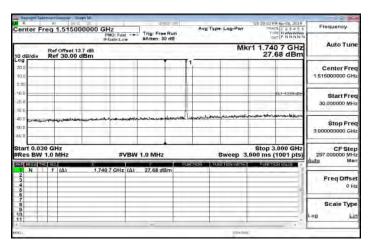
30MHz~3GHz_Band66_10MHz_QPSK_1_0_LowCH132022-1715



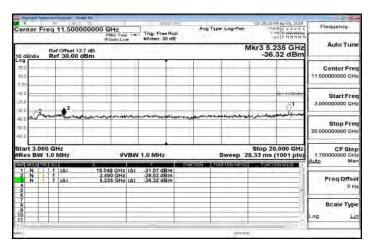
3GHz~10GHz_Band66_10MHz_QPSK_1_0_LowCH132022-1715



30MHz~3GHz_Band66_10MHz_QPSK_1_0_MidCH132322-1745



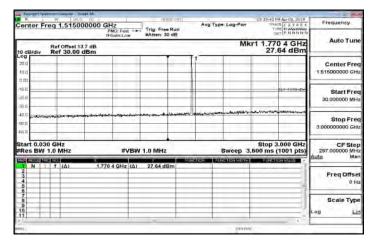
3GHz~10GHz_Band66_10MHz_QPSK_1_0_MidCH132322-1745



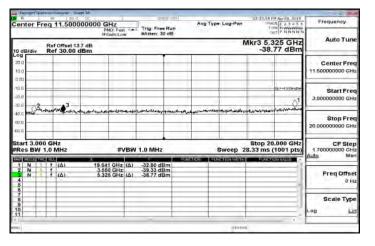
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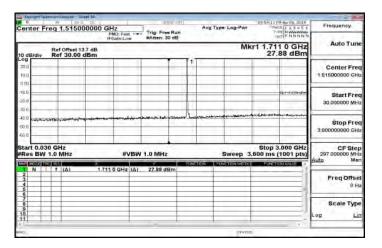
30MHz~3GHz_Band66_10MHz_QPSK_1_0_HighCH132622-1775



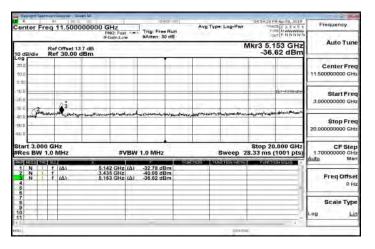
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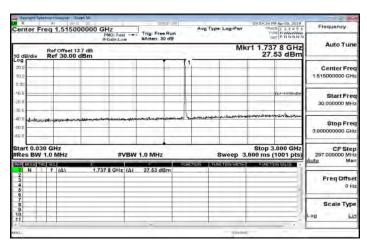
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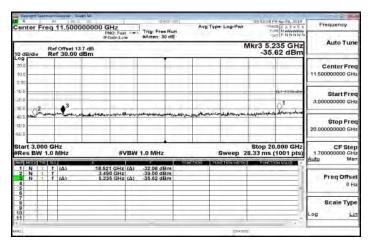
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30MHz~3GHz_Band66_15MHz_QPSK_1_0_MidCH132322-1745

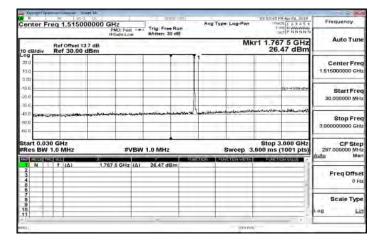


3GHz~10GHz_Band66_15MHz_QPSK_1_0_MidCH132322-1745

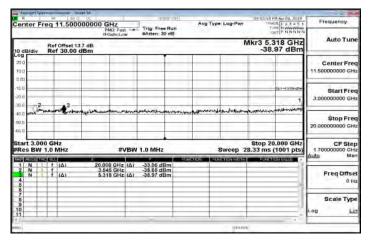




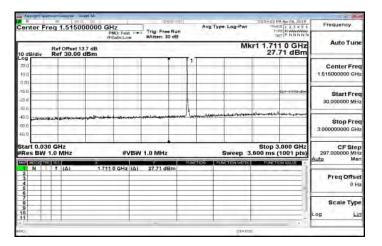
30MHz~3GHz_Band66_15MHz_QPSK_1_0_HighCH132597-1772.5



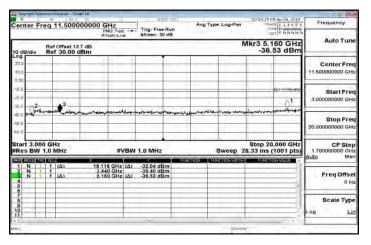
3GHz~10GHz_Band66_15MHz_QPSK_1_0_HighCH132597-1772.5



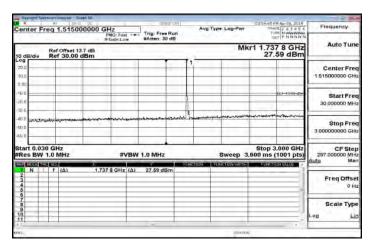
30MHz~3GHz_Band66_20MHz_QPSK_1_0_LowCH132072-1720



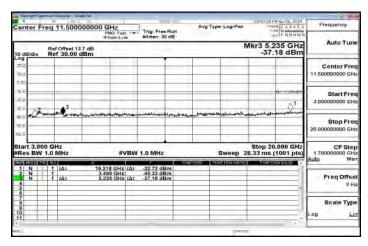
3GHz~10GHz_Band66_20MHz_QPSK_1_0_LowCH132072-1720



30MHz~3GHz_Band66_20MHz_QPSK_1_0_MidCH132322-1745



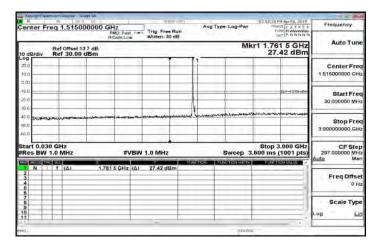
3GHz~10GHz_Band66_20MHz_QPSK_1_0_MidCH132322-1745



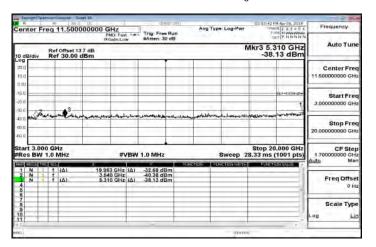
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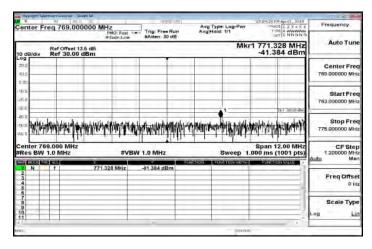
30MHz~3GHz_Band66_20MHz_QPSK_1_0_HighCH132572-1770



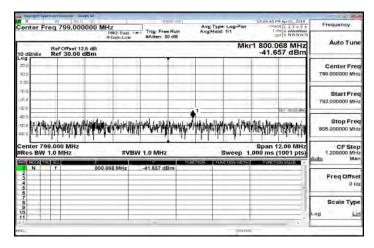
3GHz~10GHz_Band66_20MHz_QPSK_1_0_HighCH132572-1770



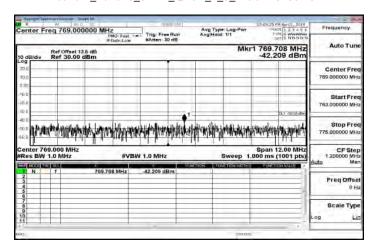
Inband-1_Band13_5MHz_QPSK_1_0_LowCH23205-779.5



Inband-2_Band13_5MHz_QPSK_1_0_LowCH23205-779.5

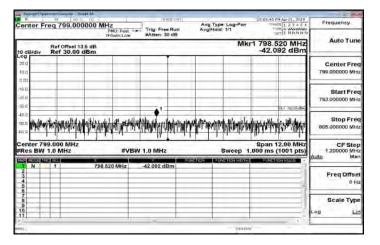


Inband-1_Band13_5MHz_QPSK_1_0_MidCH23230-782

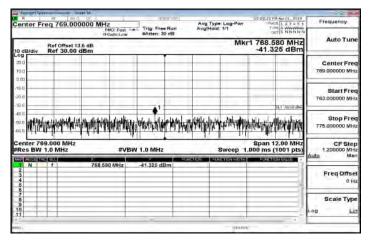




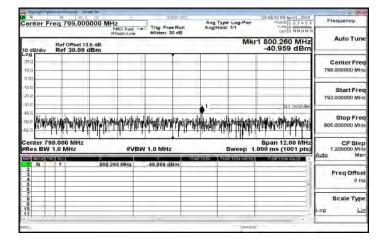
Inband-2_Band13_5MHz_QPSK_1_0_MidCH23230-782



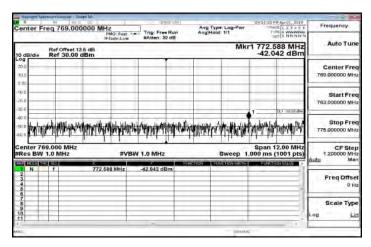
Inband-1_Band13_5MHz_QPSK_1_0_HighCH23255-784.5



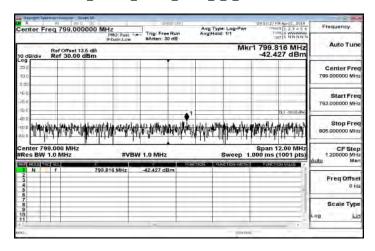
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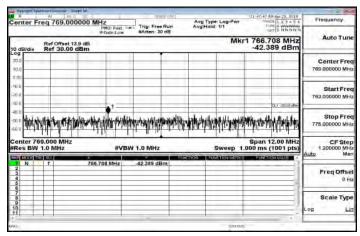
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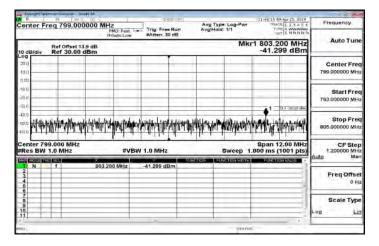


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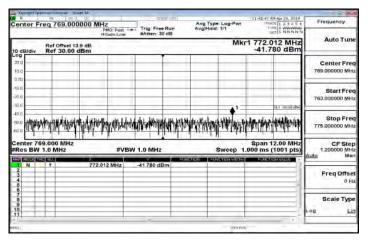




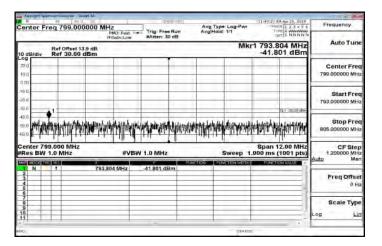
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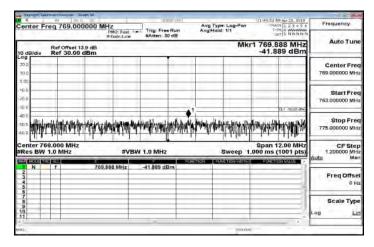
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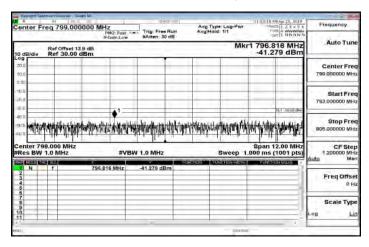
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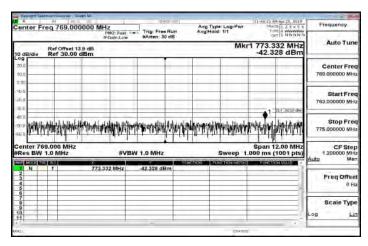
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Inband-2_Band30_5MHz_QPSK_1_0_HighCH27735-2312.5



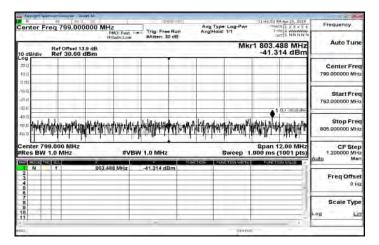
Inband-1_Band30_10MHz_QPSK_1_0_MidCH27710-2310





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Inband-2_Band30_10MHz_QPSK_1_0_MidCH27710-2310



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9. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

9.1. Standard Applicable

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53 (h), the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than 43 + 10 log (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

- (2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB (-13dBm)
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

§27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(c) (5) & FCC §27.53(g)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC §27.53(h) (3)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



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FCC §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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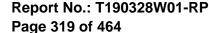




Table 2 — Unwanted Emissions for Mobile, Portable and Low-Power Fixed Subscriber **Equipment**

Frequency (MHz)	Attenuation (dB)
<2200	$43 + 10 \log_{10}(p)$
2200 - 2288	$70 + 10 \log_{10}(p)$
2288 - 2292	$67 + 10 \log_{10}(p)$
2292 - 2296	$61 + 10 \log_{10}(p)$
2296 - 2300	$55 + 10 \log_{10}(p)$
2300 - 2305	$43 + 10 \log_{10}(p)$
2305 - 2320	$43 + 10 \log_{10}(p)^{\text{Note}}$
2320 - 2324	$55 + 10 \log_{10}(p)$
2324 - 2328	$61 + 10 \log_{10}(p)$
2328 - 2337	$67 + 10 \log_{10}(p)$
2337 - 2341	$61 + 10 \log_{10}(p)$
2341 - 2345	$55 + 10 \log_{10}(p)$
2345 - 2360	$43 + 10 \log_{10}(p)^{\text{Note}}$
2360 - 2365	$43 + 10 \log_{10}(p)$
2365 - 2395	$70 + 10 \log_{10}(p)$
>2395	$43 + 10 \log_{10}(p)$

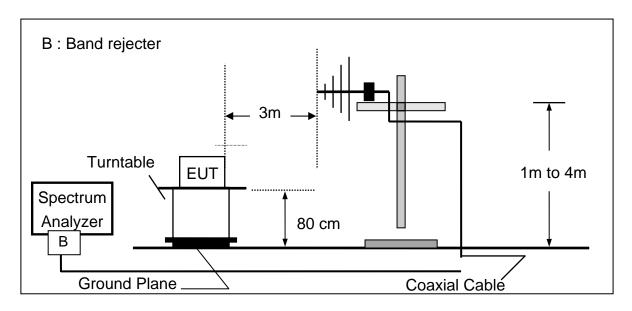
Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 1.2 for the permitted frequency ranges for various equipment types.

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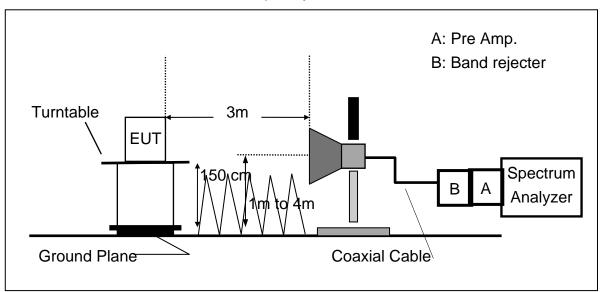


9.2. EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



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9.3. Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)



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9.4. Measurement Equipment Used:

	ERP, EIRP MEASUREMENT EQUIPMENT List 966A Chamber								
EQUIPMENT TYPE	MFR	MODEL	SERIAL	LAST CAL.	CAL DUE.				
		NUMBER	NUMBER						
DC Power Supply	GWINSTEK	SPS-3610	GPE880163	01/14/2019	01/13/2020				
PSA Series Spectrum Analyzer	Agilent	E4446A	MY46180323	05/31/2018	05/30/2019				
Digital Thermo-Hygro Meter	WISEWIND	1206	D07	01/30/2019	01/29/2020				
Pre-Amplifier	MITEQ	AMF-6F-260400- 40-8P	985646	02/26/2019	02/25/2020				
Pre-Amplifier	EMEC	EM330	60609	02/26/2019	02/25/2020				
Pre-Amplifier	HP	8449B	3008A00965	02/26/2019	02/25/2020				
Horn Antenna	Schwarzbeck	BBHA9170	184	12/27/2018	12/26/2019				
Horn Antenna	ETS LINDGREN	3116	26370	12/26/2018	12/25/2019				
Horn Antenna	SCHWARZBECK	BBHA 9120D	779	03/09/2019	03/08/2020				
Bilog Antenna	Sunol Sciences	JB3	A030105	07/13/2018	07/12/2019				
Bilog Antenna	Sunol Sciences	JB1	A052609	03/06/2019	03/05/2020				
double Ridged Guide Horn Antenna	ETC	MCTD 1209	DRH13M02003	08/20/2018	08/19/2019				
Loop Antenna	COM-POWER	AL-130	121051	03/22/2019	03/21/2020				
Loop Antenna	ETS.LINDGREN	6502	148045	10/08/2018	10/07/2019				
High Pass Filter	SOLVANG TECHNOLOGY INC.	STI15	9923	02/26/2019	02/25/2020				
High Pass Filters	MICRO TRONICS	HPM13195	3	02/26/2019	02/25/2020				
Band Reject Filters	MICRO TRONICS	BRM 50702	120	02/26/2019	02/25/2020				
Digital Radio Com- munication Tester	R&S	CMU200	100535	09/17/2018	09/16/2019				
Attenuator	Marvelous	MVE2213-10	RF80	02/26/2019	02/25/2020				
Wireless Communication Test Set	Agilent	8960/E5515C	MY48363204	07/23/2018	07/22/2019				
Wideband Radio Communication Test- er	R&S	CMW 500	116875	04/20/2018	04/19/2019				
Cable	HUBER SUHNER	SUCOFLEX 104PEA	25157	02/26/2019	02/25/2020				
Cable	HUBER SUHNER	SUCOFLEX 104PEA	20995	02/26/2019	02/25/2020				
Signal Generator	Agilent	N5182B	MY56200007	08/13/2018	08/12/2019				
Software		e3 V6	5.11-20180413						
					l l				

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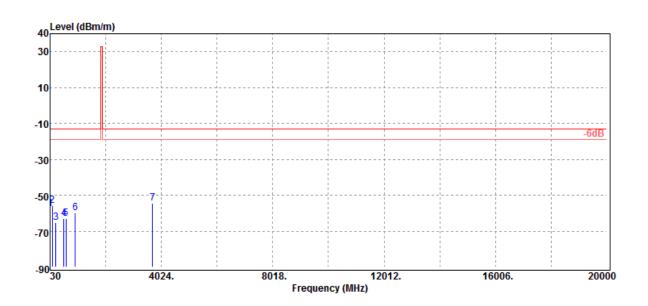
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9.5. Measurement Result:

Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

Project Number : T190328W01 **Test Date** :2019-04-17 **Operation Band** :WCDMA B2 Temp./Humi. :19/53 Fundamental Frequency :1852.4 MHz Engineer :Kane **Operation Mode** :TX CH LOW :VERTICAL Measurement Antenna Pol.

EUT Pol. :H Plan



Freq.	ERP/EIRP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
30.00	-57.79	-27.29	-30.05	-0.45	-13.00	-44.79
116.33	-56.00	-44.61	-10.50	-0.89	-13.00	-43.00
242.43	-65.04	-61.71	-2.05	-1.28	-13.00	-52.04
521.79	-62.92	-59.6	-1.41	-1.91	-13.00	-49.92
606.18	-63.18	-60.11	-1.00	-2.07	-13.00	-50.18
936.95	-60.05	-56.14	-1.31	-2.60	-13.00	-47.05
3704.80	-54.47	-61.24	12.49	-5.72	-13.00	-41.47

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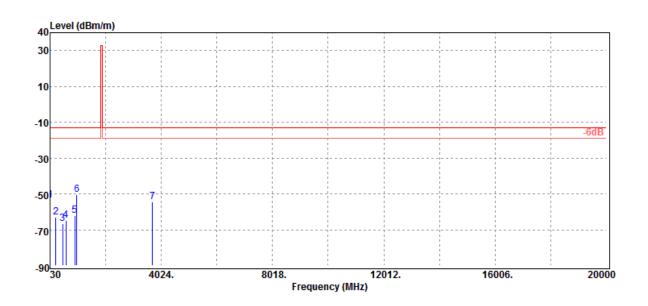


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Project Number : T190328W01 **Operation Band** :WCDMA B2 Fundamental Frequency :1852.4 MHz **Operation Mode** :TX CH LOW EUT Pol. :H Plan

Test Date :2019-04-17 Temp./Humi. :19/53 Engineer :Kane

:HORIZONTAL Measurement Antenna Pol.



Freq.	ERP/EIRP	SG Output Loval	Antenna Gain	Cable	Limit	Margin
MHz	dBm	Output Level dBm	dBd/dBi	Loss dB	dBm	dB
37.76	-53.78	-30.97	-22.29	-0.52	-13.00	-40.78
236.61	-62.91	-59.49	-2.15	-1.27	-13.00	-49.91
489.78	-66.76	-62.66	-2.25	-1.85	-13.00	-53.76
597.45	-64.73	-61.82	-0.85	-2.06	-13.00	-51.73
915.61	-62.25	-58.43	-1.25	-2.57	-13.00	-49.25
998.06	-50.46	-46.37	-1.41	-2.68	-13.00	-37.46
3704.80	-54.62	-61.39	12.49	-5.72	-13.00	-41.62

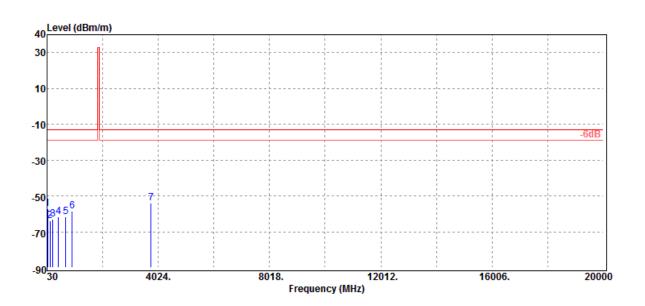
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Project Number : T190328W01 **Operation Band** :WCDMA B2 Fundamental Frequency :1880 MHz **Operation Mode** :TX CH MID EUT Pol. :H Plan

Test Date :2019-04-17 Temp./Humi. :19/53 Engineer :Kane :VERTICAL Measurement Antenna Pol.



Freq.	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
						
50.37	-56.98	-44.54	-11.84	-0.60	-13.00	-43.98
139.61	-63.79	-54.21	-8.61	-0.97	-13.00	-50.79
232.73	-62.98	-59.62	-2.10	-1.26	-13.00	-49.98
444.19	-61.88	-58.08	-2.05	-1.75	-13.00	-48.88
703.18	-61.85	-58.17	-1.45	-2.23	-13.00	-48.85
933.07	-58.39	-54.49	-1.31	-2.59	-13.00	-45.39
3760.00	-53.99	-60.72	12.42	-5.69	-13.00	-40.99

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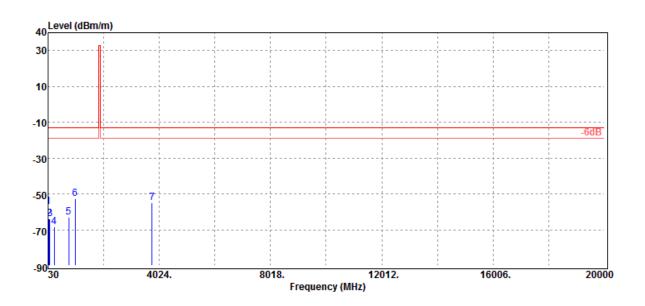


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Project Number : T190328W01 **Operation Band** :WCDMA B2 Fundamental Frequency :1880 MHz **Operation Mode** :TX CH MID EUT Pol. :H Plan

Test Date :2019-04-17 Temp./Humi. :19/53 Engineer :Kane

:HORIZONTAL Measurement Antenna Pol.



Freq.	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
						
30.00	-57.34	-26.84	-30.05	-0.45	-13.00	-44.34
61.04	-63.75	-52.79	-10.31	-0.65	-13.00	-50.75
89.17	-63.80	-55.82	-7.20	-0.78	-13.00	-50.80
248.25	-68.41	-65.29	-1.82	-1.30	-13.00	-55.41
777.87	-63.06	-59.27	-1.45	-2.34	-13.00	-50.06
1000.00	-52.72	-48.59	-1.45	-2.68	-13.00	-39.72
3760.00	-54.82	-61.55	12.42	-5.69	-13.00	-41.82

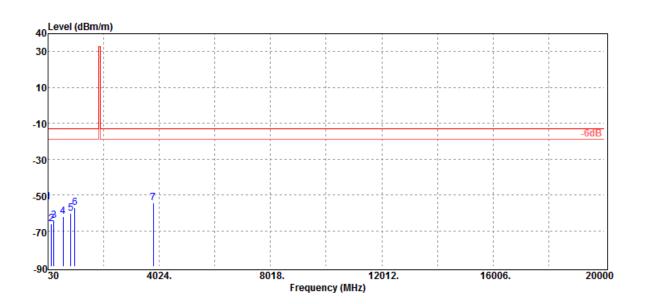
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



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Project Number : T190328W01 **Operation Band** :WCDMA B2 Fundamental Frequency :1907.6 MHz **Operation Mode** :TX CH HIGH EUT Pol. :H Plan

Test Date :2019-04-17 Temp./Humi. :19/53 Engineer :Kane :VERTICAL Measurement Antenna Pol.



Freq.	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
35.82	-54.08	-29.23	-24.35	-0.50	-13.00	-41.08
149.31	-66.26	-58.04	-7.22	-1.00	-13.00	-53.26
235.64	-64.48	-61.07	-2.15	-1.26	-13.00	-51.48
567.38	-61.94	-58.55	-1.40	-1.99	-13.00	-48.94
851.59	-60.18	-56.39	-1.32	-2.47	-13.00	-47.18
997.09	-57.10	-53.03	-1.39	-2.68	-13.00	-44.10
3815.20	-54.62	-61.33	12.47	-5.76	-13.00	-41.62

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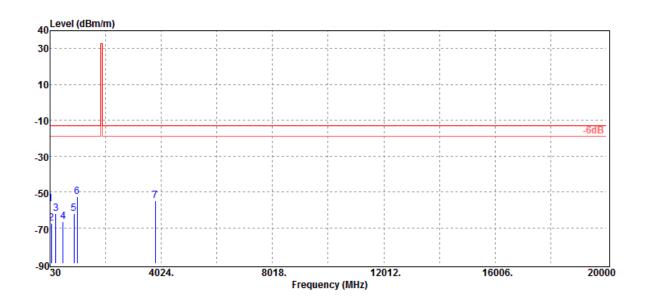


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Project Number : T190328W01 **Operation Band** :WCDMA B2 Fundamental Frequency :1907.6 MHz **Operation Mode** :TX CH HIGH EUT Pol. :H Plan

Test Date :2019-04-17 Temp./Humi. :19/53 Engineer :Kane

:HORIZONTAL Measurement Antenna Pol.



Freq.	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
30.00	-56.62	-26.12	-30.05	-0.45	-13.00	-43.62
87.23	-67.42	-59.11	-7.54	-0.77	-13.00	-54.42
246.31	-62.18	-58.99	-1.90	-1.29	-13.00	-49.18
503.36	-66.62	-62.86	-1.88	-1.88	-13.00	-53.62
882.63	-62.05	-58.29	-1.25	-2.51	-13.00	-49.05
1000.00	-52.89	-48.76	-1.45	-2.68	-13.00	-39.89
3815.20	-55.13	-61.84	12.47	-5.76	-13.00	-42.13

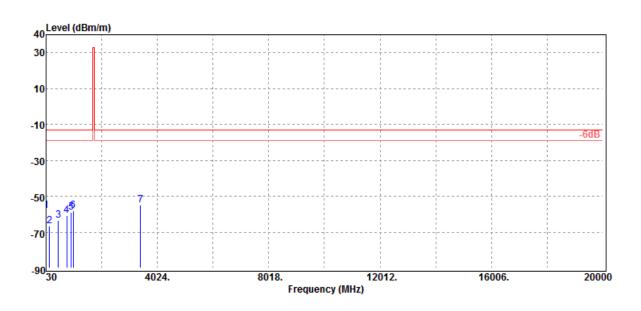
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



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Radiated Spurious Emission Measurement Result: WCDMA Band 4 Mode

Project Number : T190328W01 **Test Date** :2019-04-17 **Operation Band** :WCDMA B4 Temp./Humi. :19/53 Fundamental Frequency :1712.4 MHz Engineer :Kane **Operation Mode** :TX CH LOW :VERTICAL Measurement Antenna Pol. EUT Pol. :H Plan



Freq.	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
30.00	-58.26	-27.76	-30.05	-0.45	-13.00	-45.26
150.28	-66.71	-58.57	-7.13	-1.01	-13.00	-53.71
467.47	-63.25	-59.16	-2.30	-1.79	-13.00	-50.25
778.84	-60.95	-57.16	-1.45	-2.34	-13.00	-47.95
934.04	-58.81	-54.89	-1.33	-2.59	-13.00	-45.81
999.03	-58.11	-54	-1.43	-2.68	-13.00	-45.11
3424.80	-55.06	-62.33	12.75	-5.48	-13.00	-42.06

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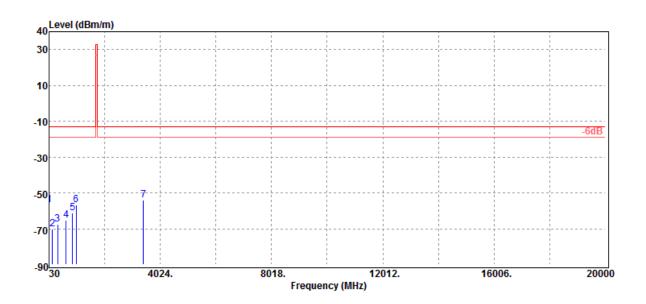


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Project Number : T190328W01 **Operation Band** :WCDMA B4 Fundamental Frequency :1712.4 MHz **Operation Mode** :TX CH LOW EUT Pol. :H Plan

Test Date :2019-04-17 Temp./Humi. :19/53 Engineer :Kane

:HORIZONTAL Measurement Antenna Pol.



Freq.	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
30.00	-56.85	-26.35	-30.05	-0.45	-13.00	-43.85
149.31	-70.21	-61.99	-7.22	-1.00	-13.00	-57.21
347.19	-67.47	-64.44	-1.49	-1.54	-13.00	-54.47
641.10	-65.25	-61.4	-1.73	-2.12	-13.00	-52.25
870.02	-61.26	-57.52	-1.25	-2.49	-13.00	-48.26
999.03	-56.52	-52.41	-1.43	-2.68	-13.00	-43.52
3424.80	-54.13	-61.4	12.75	-5.48	-13.00	-41.13

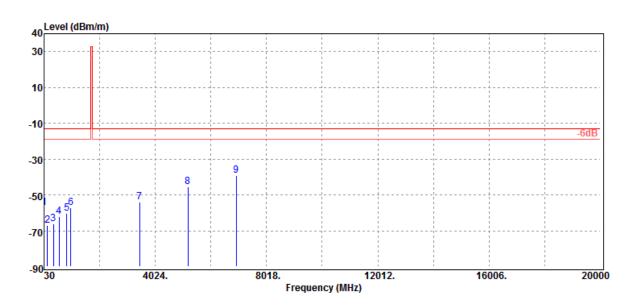
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



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Project Number : T190328W01 **Operation Band** :WCDMA B4 Fundamental Frequency :1732.6 MHz **Operation Mode** :TX CH MID EUT Pol. :H Plan

Test Date :2019-04-17 Temp./Humi. :19/53 Engineer :Kane :VERTICAL Measurement Antenna Pol.



Freq.	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
35.82	-57.15	-32.3	-24.35	-0.50	-13.00	-44.15
150.28	-67.01	-58.87	-7.13	-1.01	-13.00	-54.01
371.44	-66.18	-62.86	-1.72	-1.60	-13.00	-53.18
572.23	-61.90	-58.44	-1.45	-2.01	-13.00	-48.90
853.53	-60.36	-56.61	-1.28	-2.47	-13.00	-47.36
997.09	-57.36	-53.29	-1.39	-2.68	-13.00	-44.36
3465.20	-54.12	-61.28	12.64	-5.48	-13.00	-41.12
5197.80	-45.67	-51.97	12.99	-6.69	-13.00	-32.67
6930.40	-38.97	-42.49	11.34	-7.82	-13.00	-25.97

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

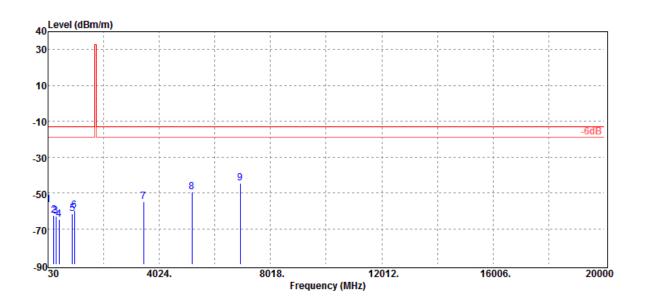


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Project Number : T190328W01 **Operation Band** :WCDMA B4 Fundamental Frequency :1732.6 MHz **Operation Mode** :TX CH MID EUT Pol. :H Plan

Test Date :2019-04-17 Temp./Humi. :19/53 Engineer :Kane

:HORIZONTAL Measurement Antenna Pol.



Freq.	ERP/EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBd/dBi	dB	dBm	dB
30.00	-56.85	-26.35	-30.05	-0.45	-13.00	-43.85
234.67	-62.62	-59.22	-2.14	-1.26	-13.00	-49.62
306.45	-63.00	-59.6	-1.95	-1.45	-13.00	-50.00
431.58	-64.74	-61.14	-1.88	-1.72	-13.00	-51.74
907.85	-61.75	-57.88	-1.31	-2.56	-13.00	-48.75
979.63	-59.95	-55.95	-1.35	-2.65	-13.00	-46.95
3465.20	-54.78	-61.94	12.64	-5.48	-13.00	-41.78
5197.80	-49.64	-55.94	12.99	-6.69	-13.00	-36.64
6930.40	-44.78	-48.3	11.34	-7.82	-13.00	-31.78

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.