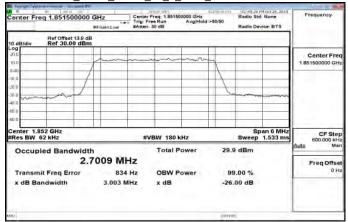


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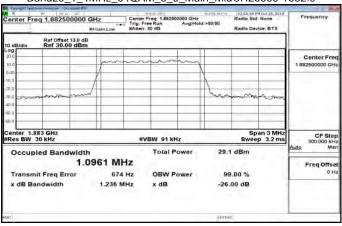
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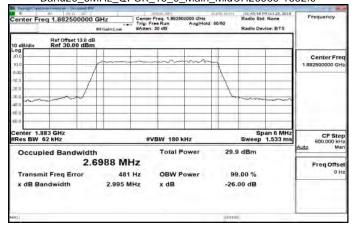
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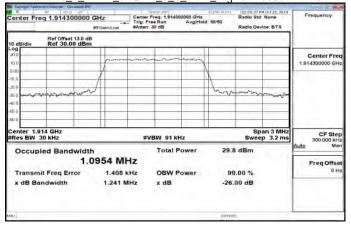
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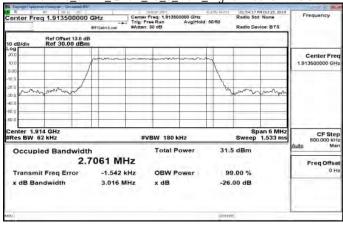
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Band25_3MHz_QPSK_15_0_Main_HighCH26675-1913.5



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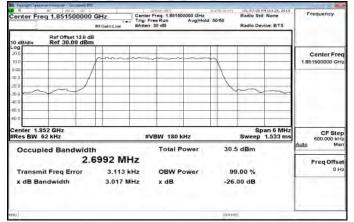
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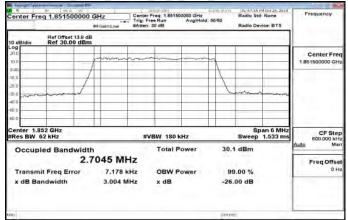


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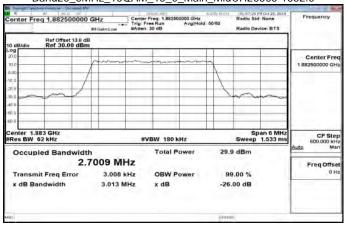
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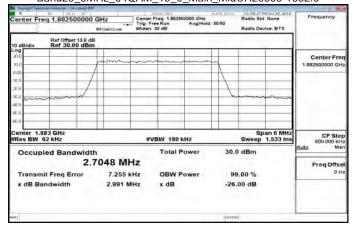
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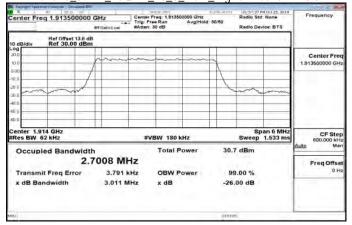
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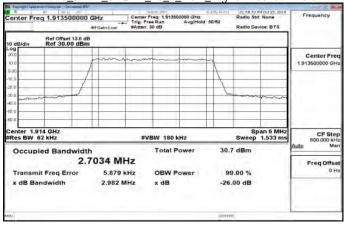
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Band25_3MHz_64QAM_15_0_Main_HighCH26675-1913.5



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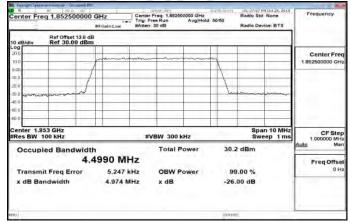
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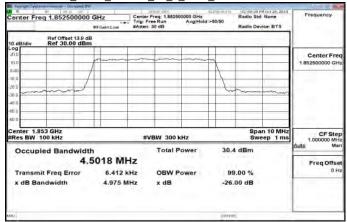


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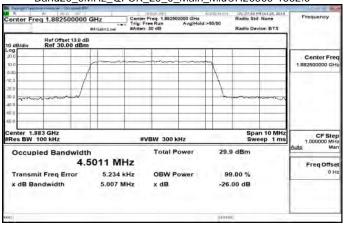
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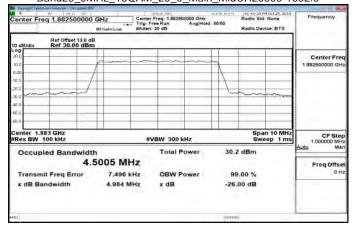
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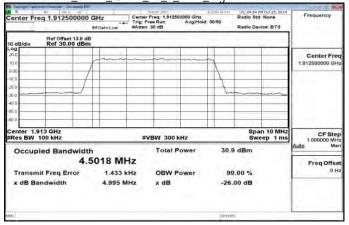
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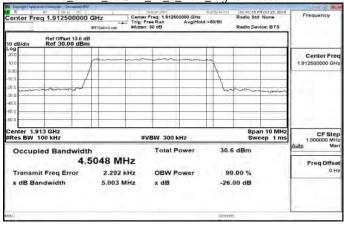
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Band25_5MHz_16QAM_25_0_Main_HighCH26665-1912.5



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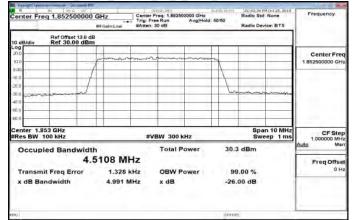
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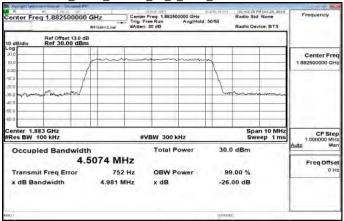
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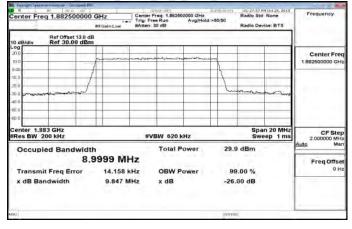
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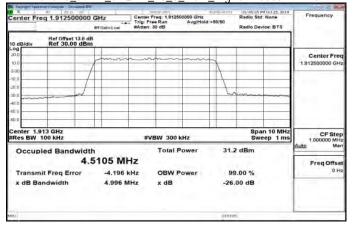
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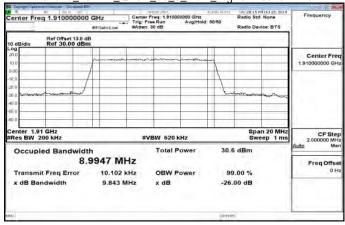
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Band25_5MHz_64QAM_25_0_Main_HighCH26665-1912.5



Band25_10MHz_QPSK_50_0_Main_HighCH26640-1910



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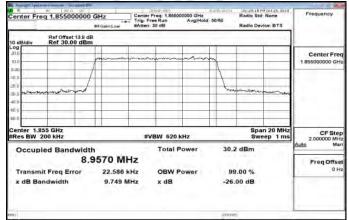
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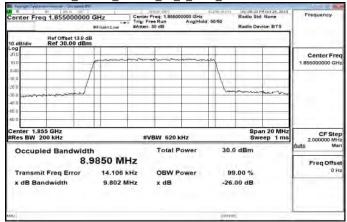


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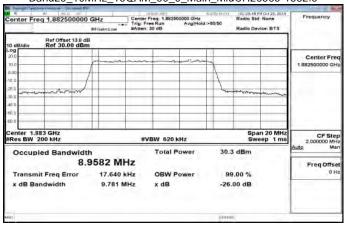
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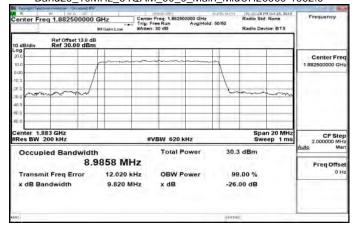
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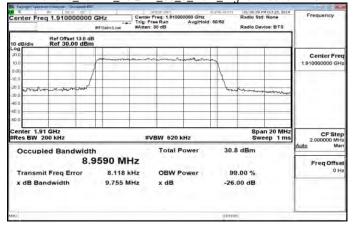
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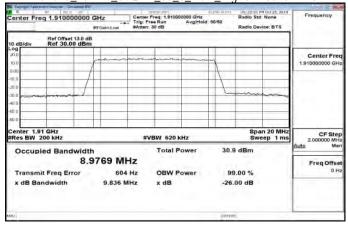
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Band25_10MHz_16QAM_50_0_Main_HighCH26640-1910



Band25_10MHz_64QAM_50_0_Main_HighCH26640-1910



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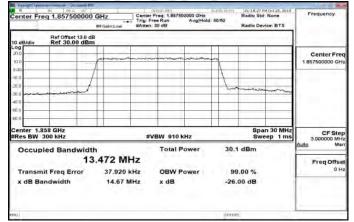
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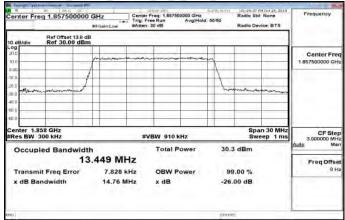


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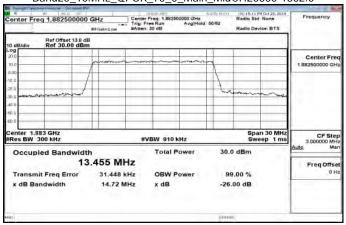
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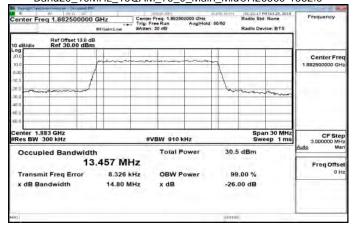
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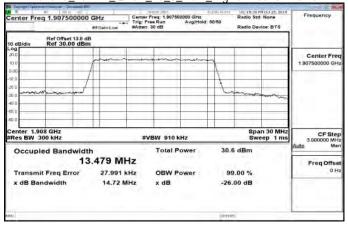
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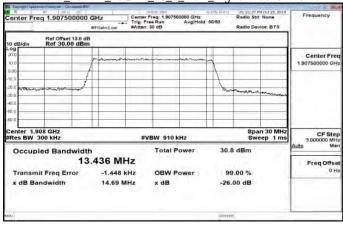
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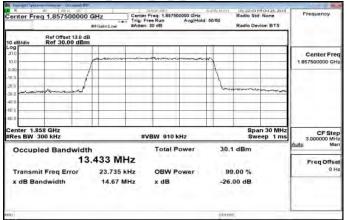
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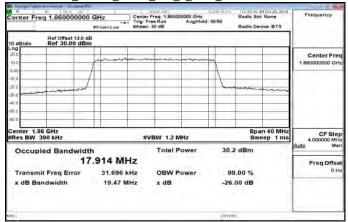


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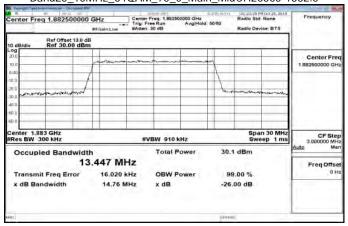
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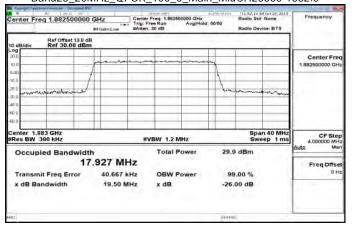
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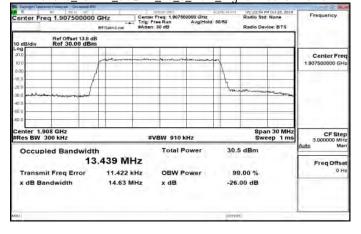
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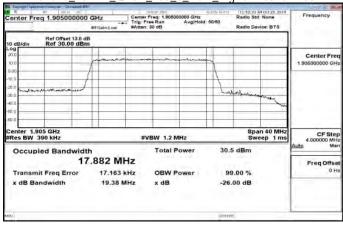
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Band25_15MHz_64QAM_75_0_Main_HighCH26615-1907.5



Band25_20MHz_QPSK_100_0_Main_HighCH26590-1905



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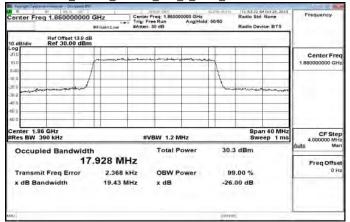
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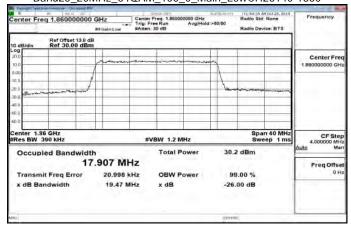


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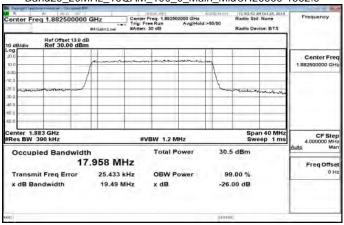
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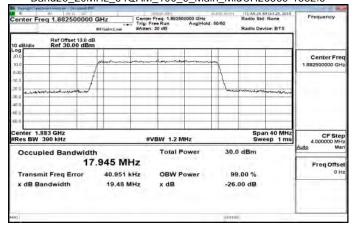
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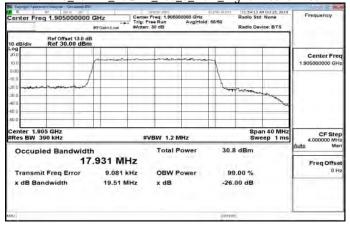
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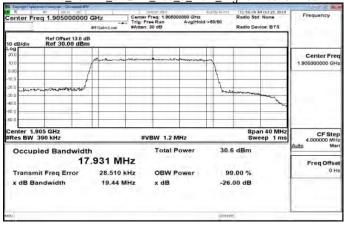
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Band25_20MHz_16QAM_100_0_Main_HighCH26590-1905



Band25_20MHz_64QAM_100_0_Main_HighCH26590-1905



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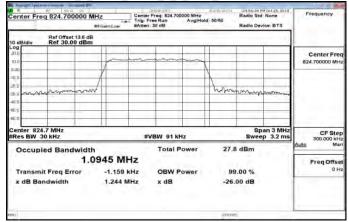
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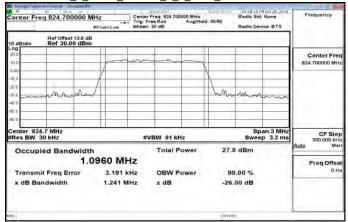


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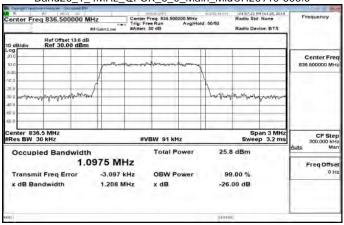
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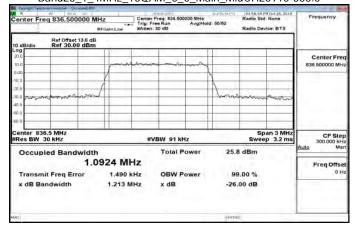
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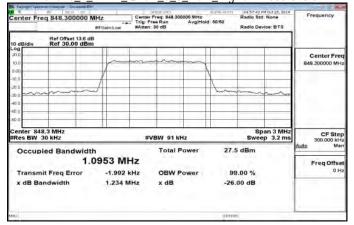
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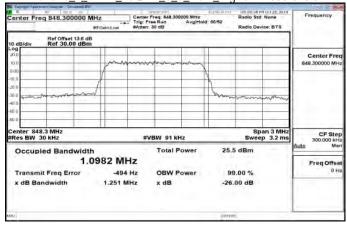
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Band26_1_4MHz_QPSK_6_0_Main_HighCH27033-848.3



Band26_1_4MHz_16QAM_6_0_Main_HighCH27033-848.3



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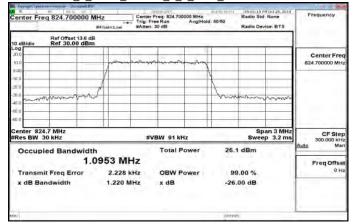
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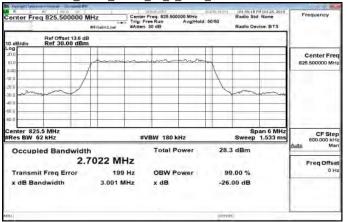


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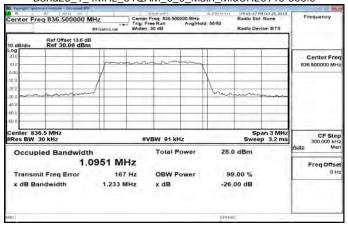
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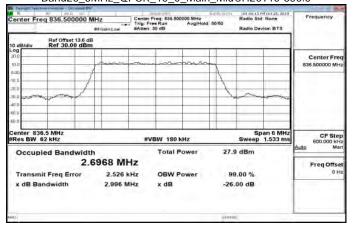
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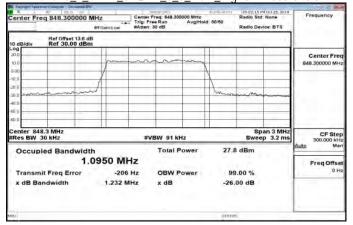
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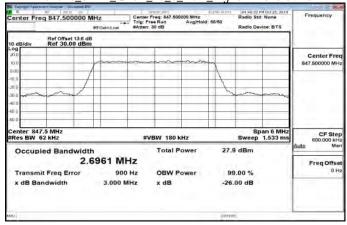
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Band26_1_4MHz_64QAM_6_0_Main_HighCH27033-848.3



Band26_3MHz_QPSK_15_0_Main_HighCH27025-847.5



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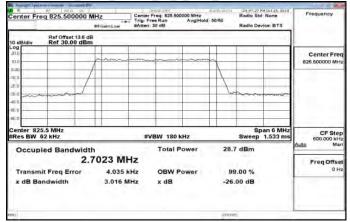
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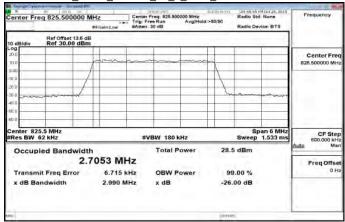


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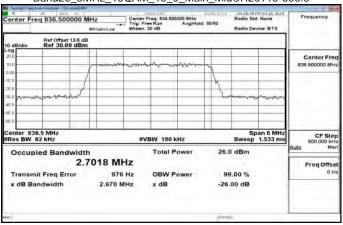
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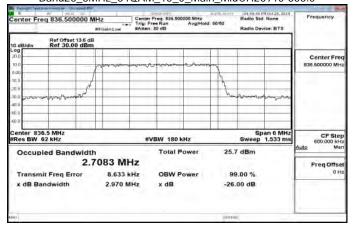
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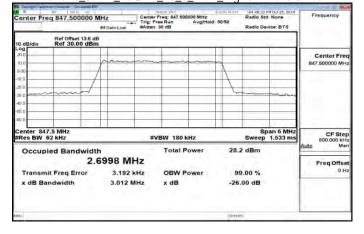
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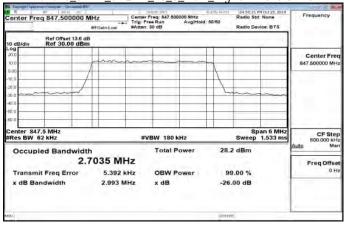
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Band26_3MHz_64QAM_15_0_Main_HighCH27025-847.5



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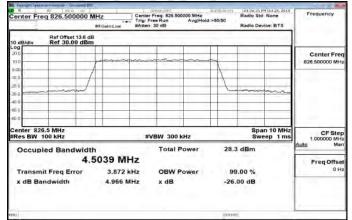
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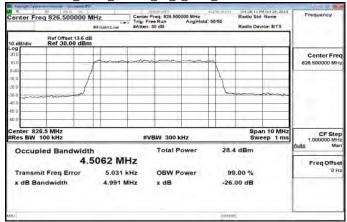


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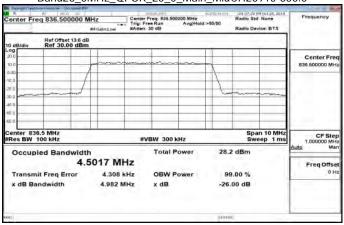
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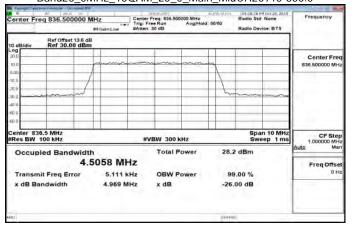
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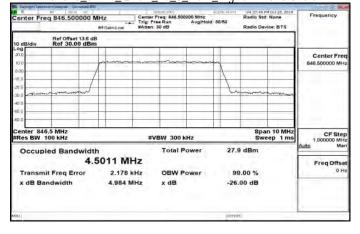
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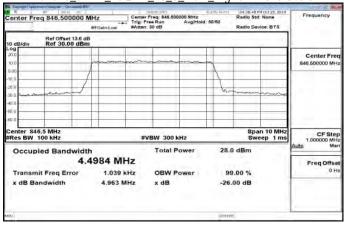
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Band26_5MHz_16QAM_25_0_Main_HighCH27015-846.5



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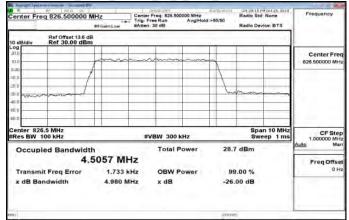
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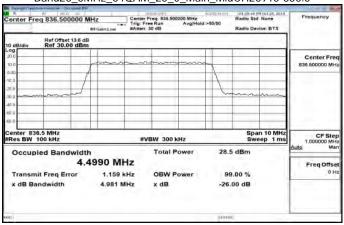
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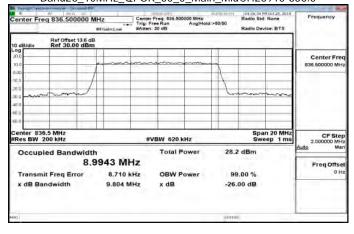
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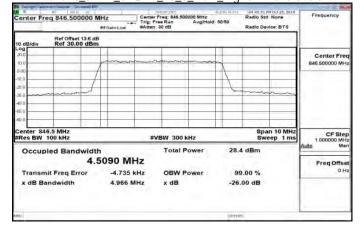
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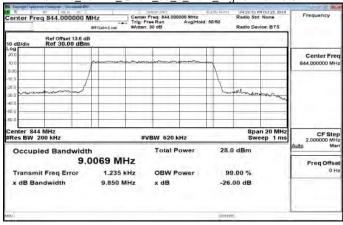
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Band26_5MHz_64QAM_25_0_Main_HighCH27015-846.5



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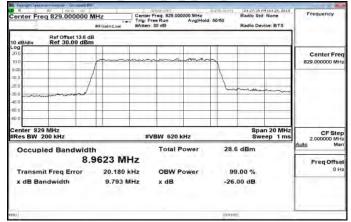
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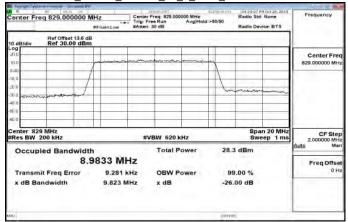


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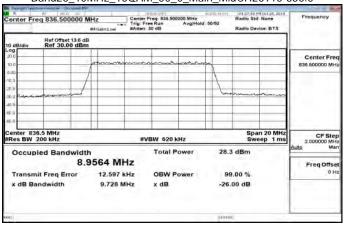
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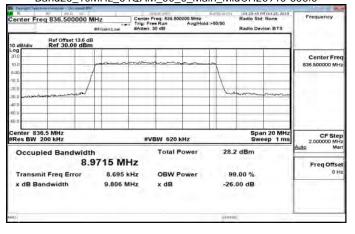
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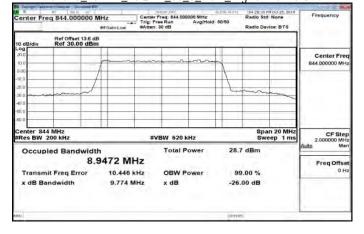
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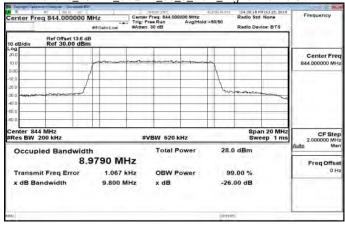
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Band26_10MHz_16QAM_50_0_Main_HighCH26990-844



Band26_10MHz_64QAM_50_0_Main_HighCH26990-844



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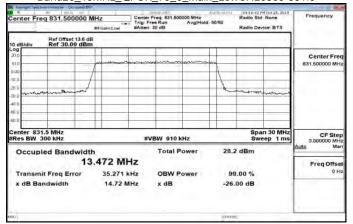
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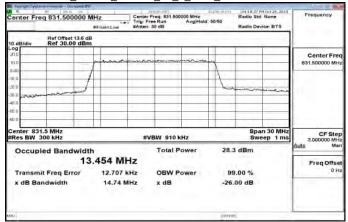


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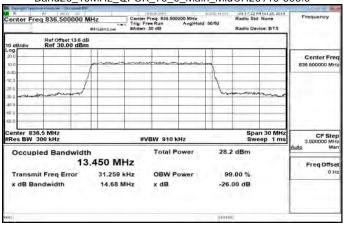
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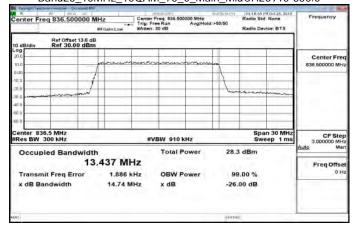
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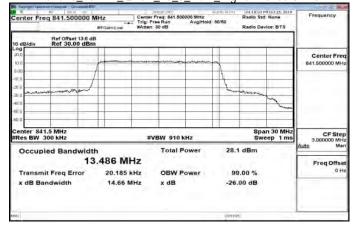
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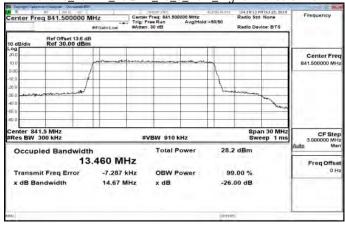
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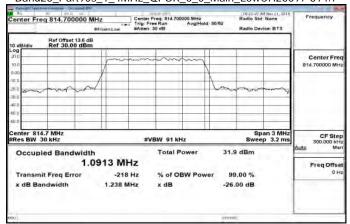


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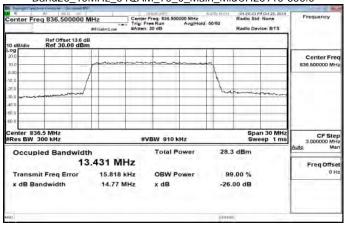
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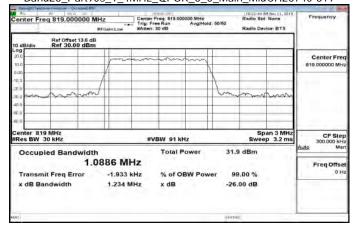
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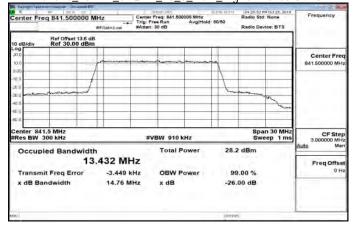
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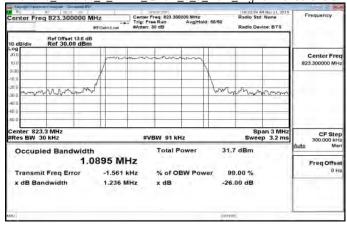
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Band26_15MHz_64QAM_75_0_Main_HighCH26965-841.5



Band26_Part90s_1_4MHz_QPSK_6_0_Main_HighCH26783-823.3



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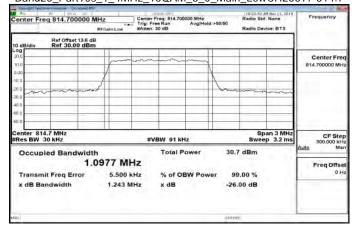
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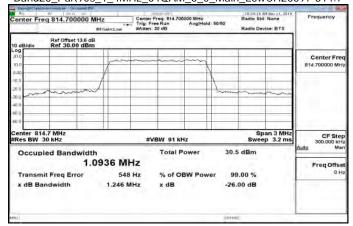


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Band26_Part90s_1_4MHz_16QAM_6_0_Main_LowCH26697-814.7



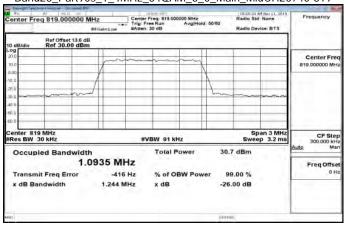
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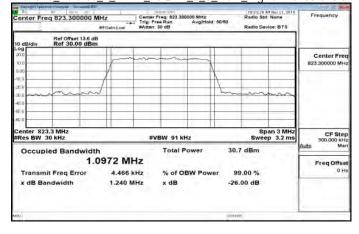
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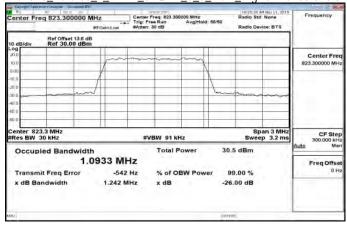
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Band26_Part90s_1_4MHz_64QAM_6_0_Main_HighCH26783-823.3



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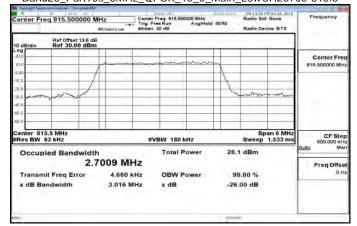
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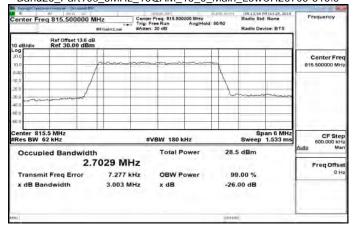


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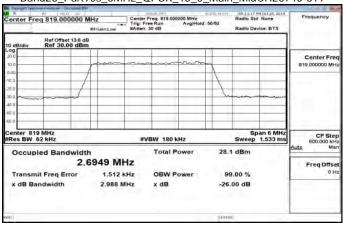
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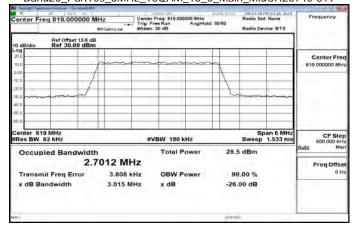
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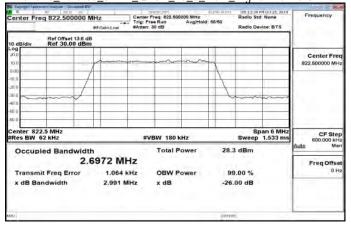
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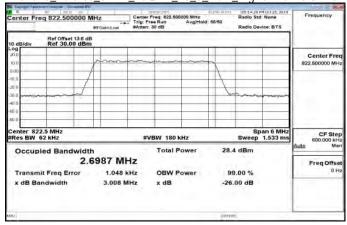
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Band26_Part90s_3MHz_QPSK_15_0_Main_HighCH26775-822.5



Band26_Part90s_3MHz_16QAM_15_0_Main_HighCH26775-822.5



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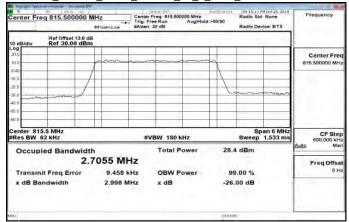
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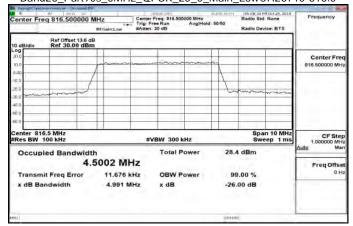


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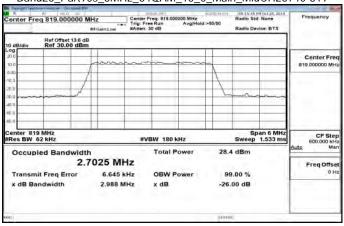
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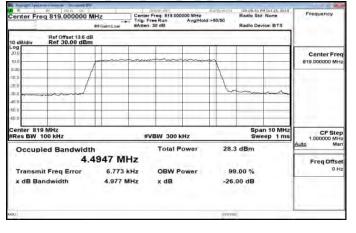
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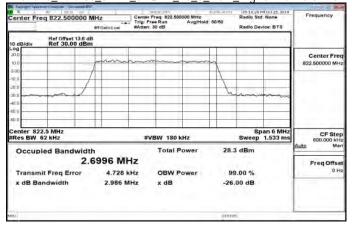
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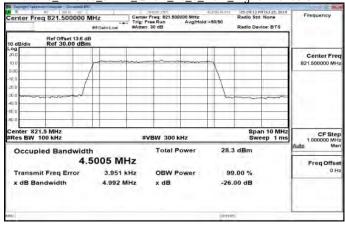
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Band26_Part90s_3MHz_64QAM_15_0_Main_HighCH26775-822.5



Band26_Part90s_5MHz_QPSK_25_0_Main_HighCH26765-821.5



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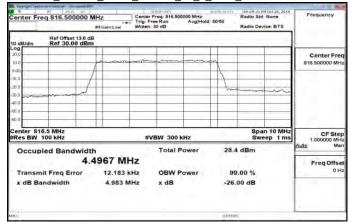
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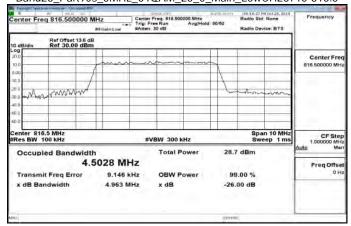


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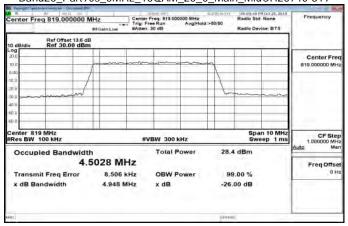
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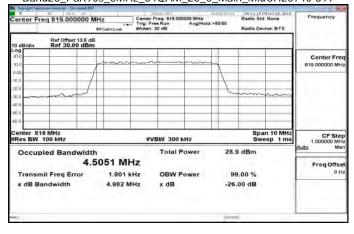
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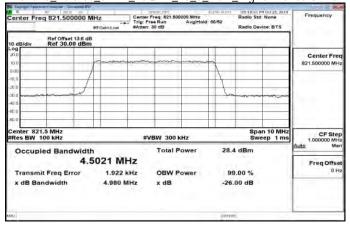
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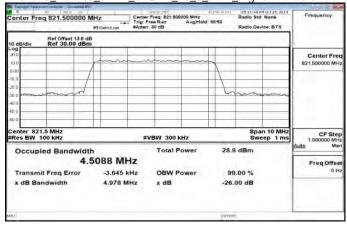
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Band26_Part90s_5MHz_16QAM_25_0_Main_HighCH26765-821.5



Band26_Part90s_5MHz_64QAM_25_0_Main_HighCH26765-821.5



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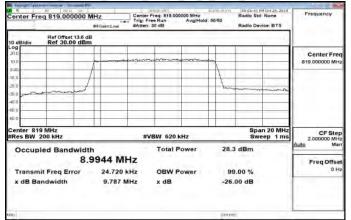
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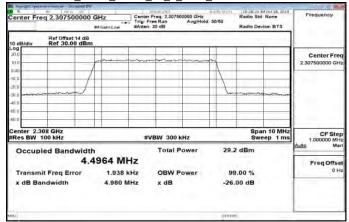


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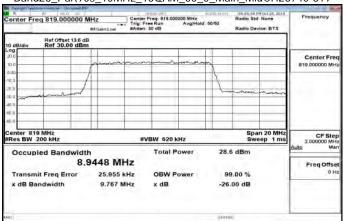
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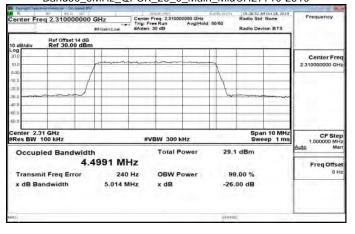
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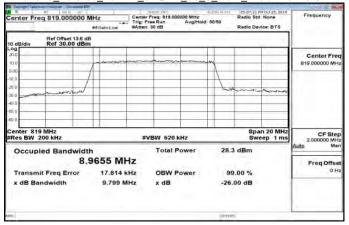
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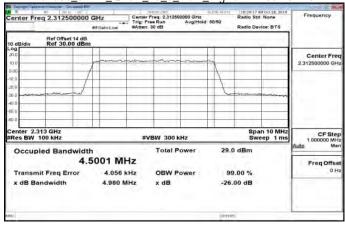
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Band26_Part90s_10MHz_64QAM_50_0_Main_MidCH26740-819



Band30_5MHz_QPSK_25_0_Main_HighCH27735-2312.5



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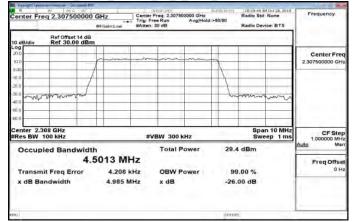
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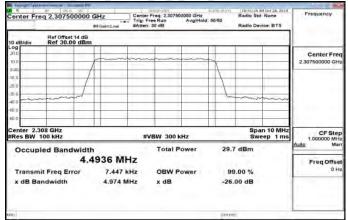


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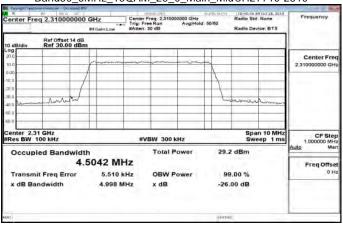
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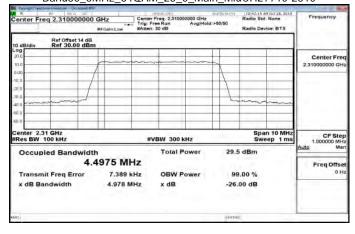
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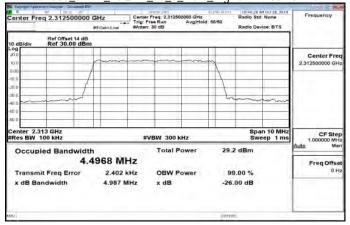
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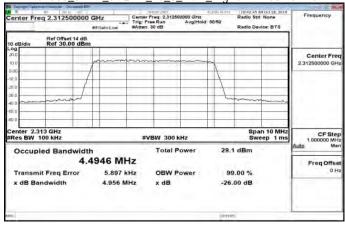
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Band30_5MHz_16QAM_25_0_Main_HighCH27735-2312.5



Band30_5MHz_64QAM_25_0_Main_HighCH27735-2312.5



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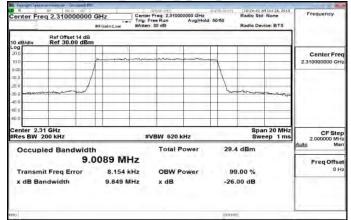
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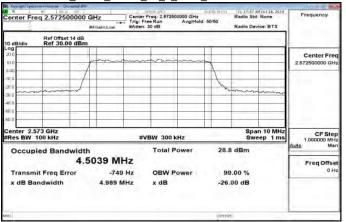


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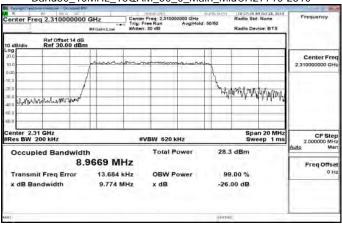
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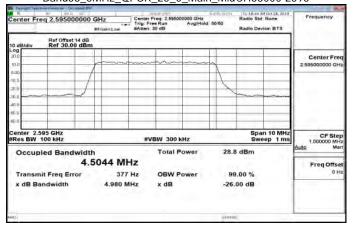
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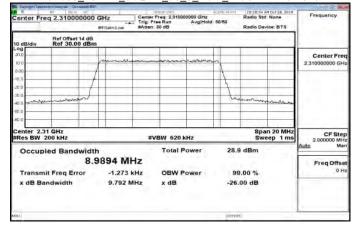
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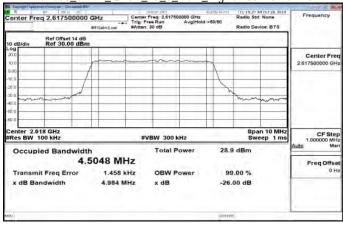
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Band30_10MHz_64QAM_50_0_Main_MidCH27710-2310



Band38_5MHz_QPSK_25_0_Main_HighCH38225-2617.5



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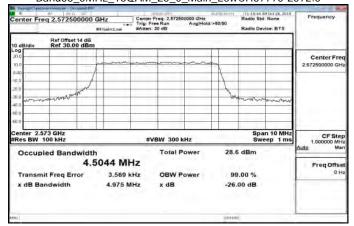
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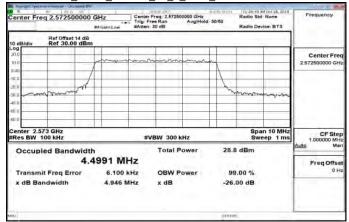


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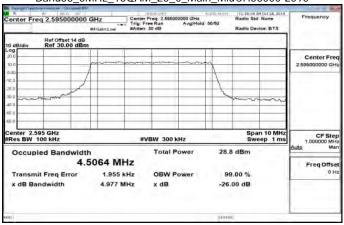
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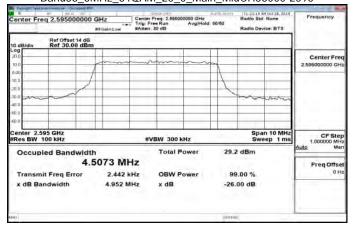
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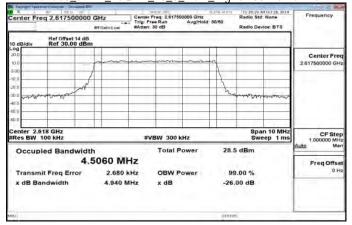
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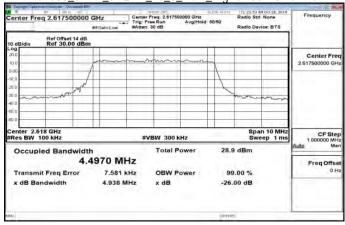
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Band38_5MHz_16QAM_25_0_Main_HighCH38225-2617.5



Band38_5MHz_64QAM_25_0_Main_HighCH38225-2617.5



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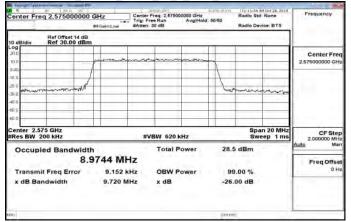
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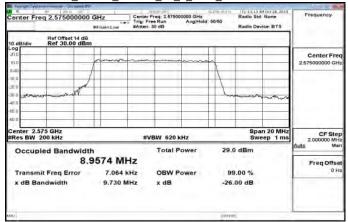


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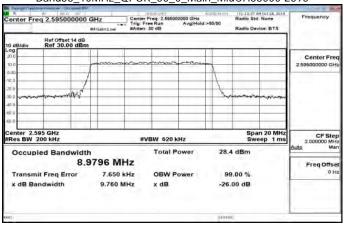
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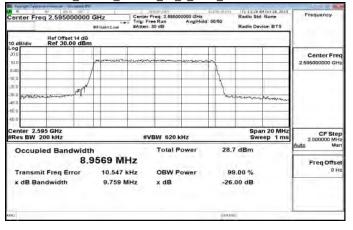
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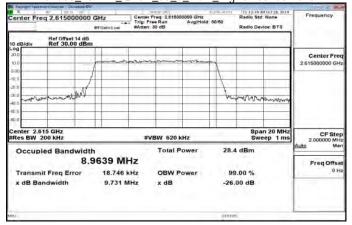
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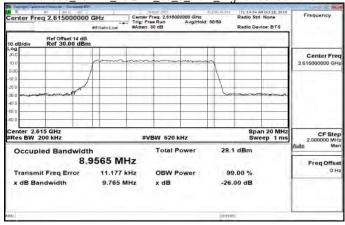
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Band38_10MHz_QPSK_50_0_Main_HighCH38200-2615



Band38_10MHz_16QAM_50_0_Main_HighCH38200-2615



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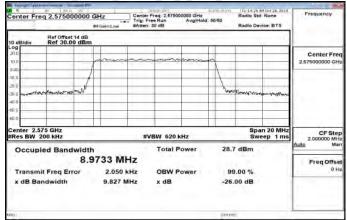
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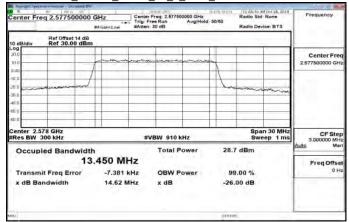


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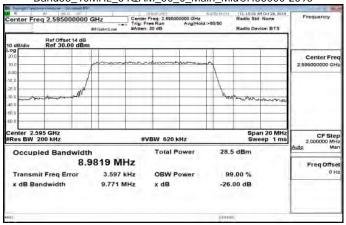
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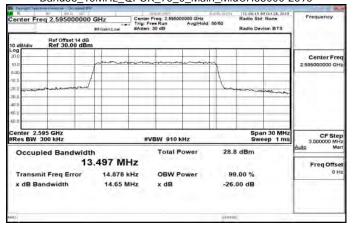
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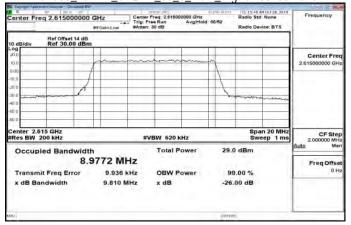
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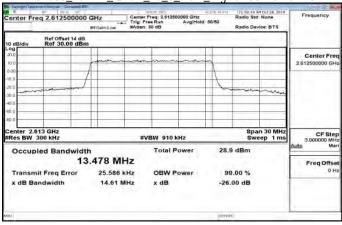
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Band38_10MHz_64QAM_50_0_Main_HighCH38200-2615



Band38_15MHz_QPSK_75_0_Main_HighCH38175-2612.5



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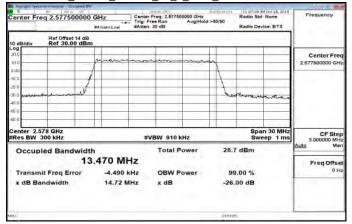
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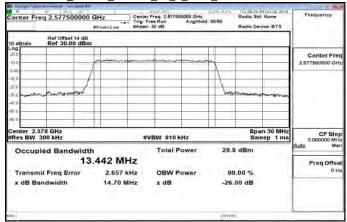


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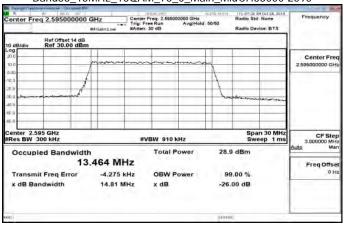
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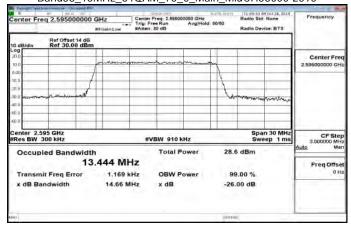
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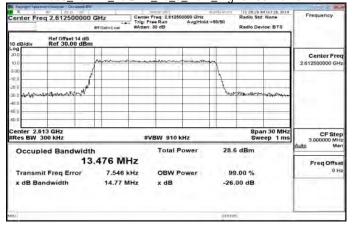
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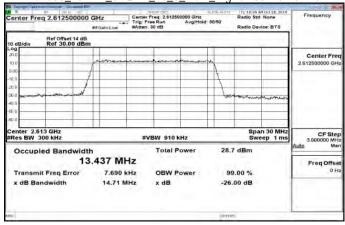
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Band38_15MHz_16QAM_75_0_Main_HighCH38175-2612.5



Band38_15MHz_64QAM_75_0_Main_HighCH38175-2612.5



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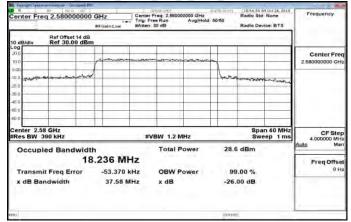
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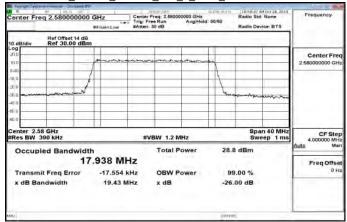


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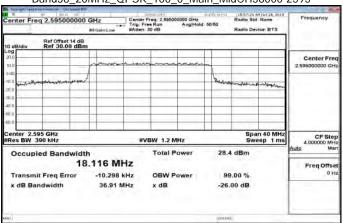
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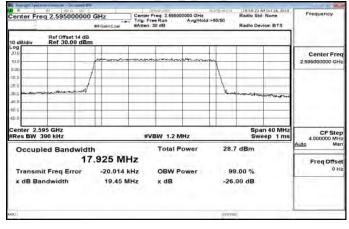
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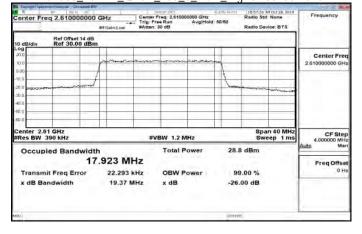
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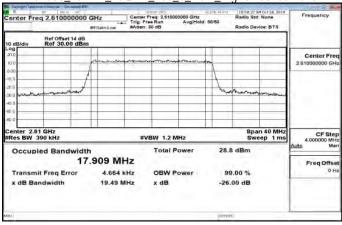
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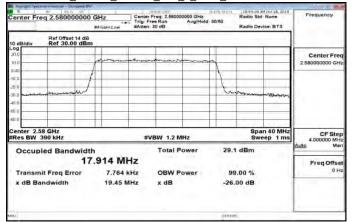
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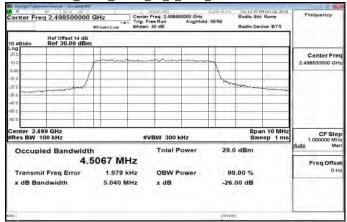


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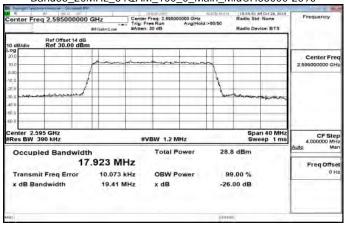
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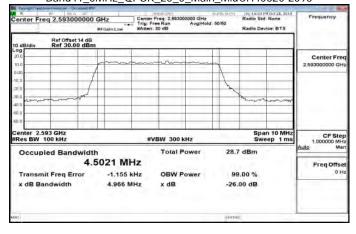
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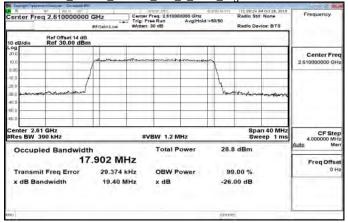
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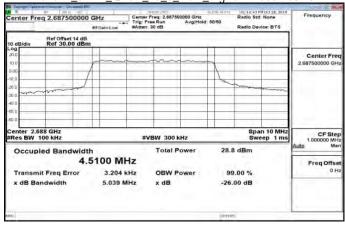
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Band38_20MHz_64QAM_100_0_Main_HighCH38150-2610



Band41_5MHz_QPSK_25_0_Main_HighCH41565-2687.5



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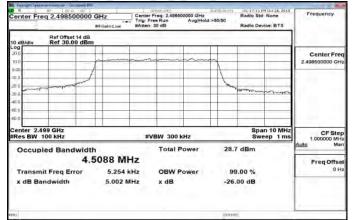
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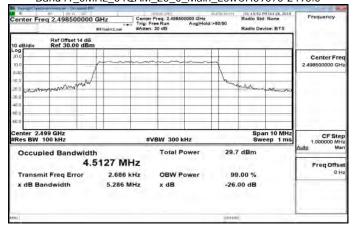


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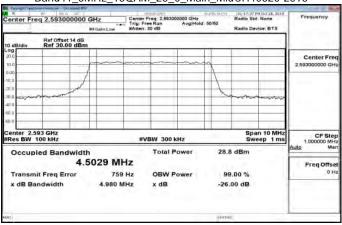
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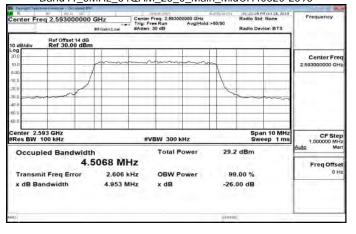
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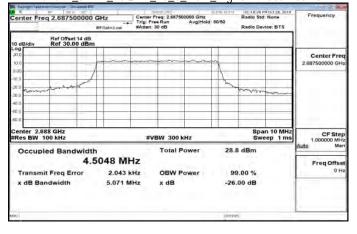
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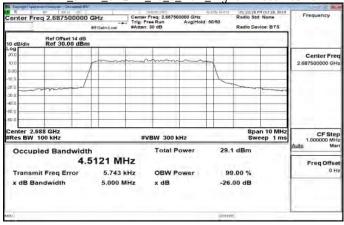
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Band41_5MHz_16QAM_25_0_Main_HighCH41565-2687.5



Band41_5MHz_64QAM_25_0_Main_HighCH41565-2687.5



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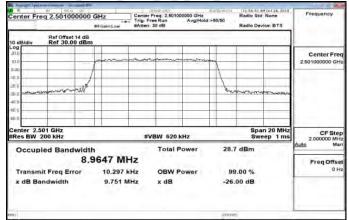
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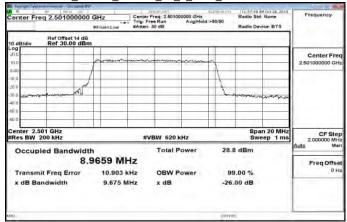


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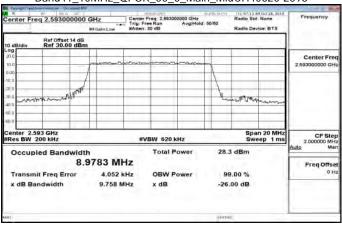
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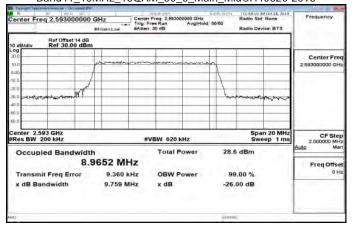
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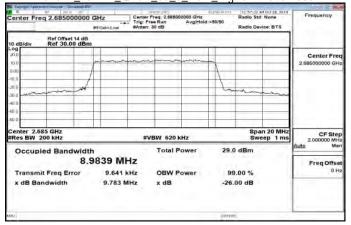
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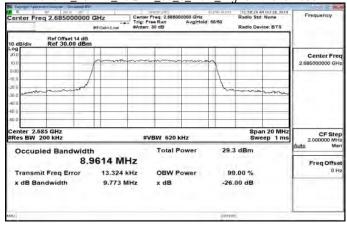
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Band41_10MHz_QPSK_50_0_Main_HighCH41540-2685



Band41_10MHz_16QAM_50_0_Main_HighCH41540-2685



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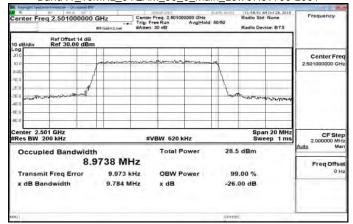
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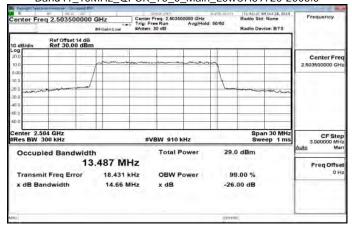


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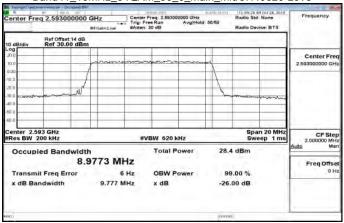
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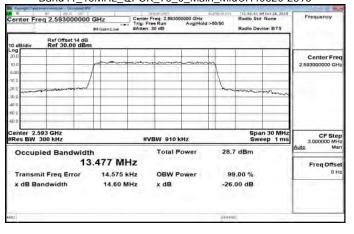
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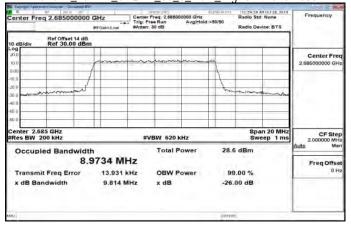
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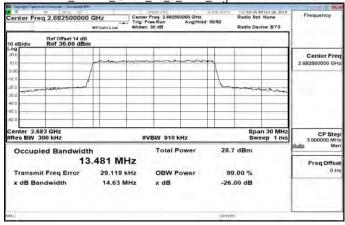
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Band41_10MHz_64QAM_50_0_Main_HighCH41540-2685



Band41_15MHz_QPSK_75_0_Main_HighCH41515-2682.5



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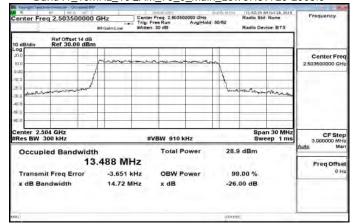
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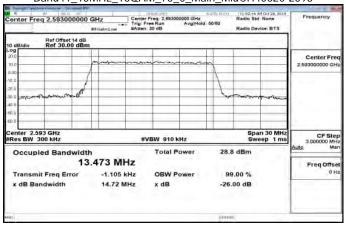
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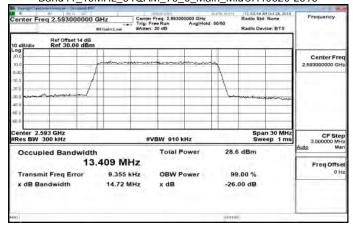
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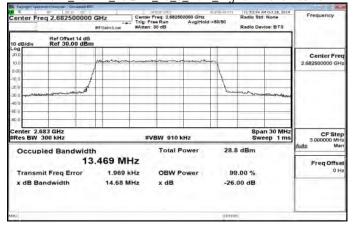
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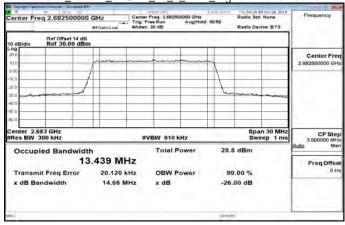
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Band41_15MHz_64QAM_75_0_Main_HighCH41515-2682.5



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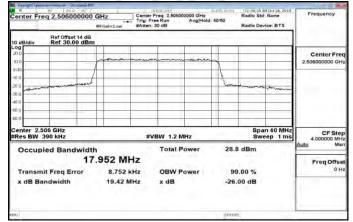
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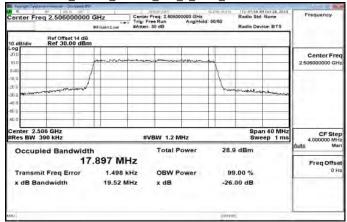


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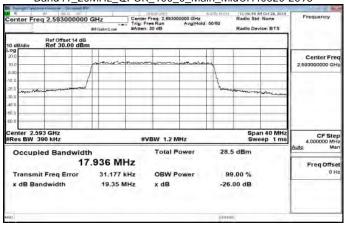
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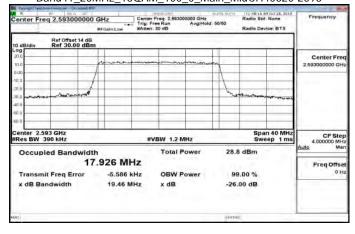
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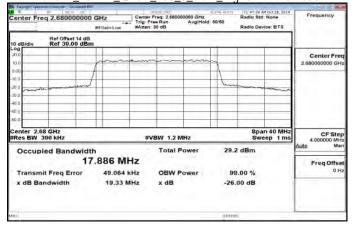
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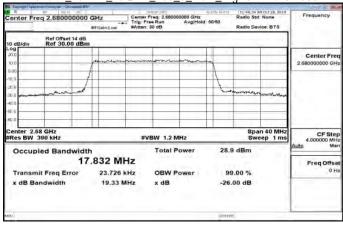
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Band41_20MHz_QPSK_100_0_Main_HighCH41490-2680



Band41_20MHz_16QAM_100_0_Main_HighCH41490-2680



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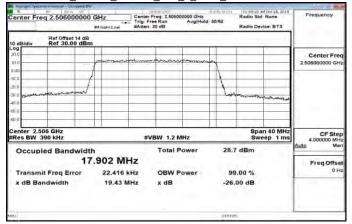
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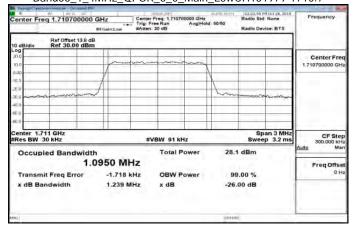


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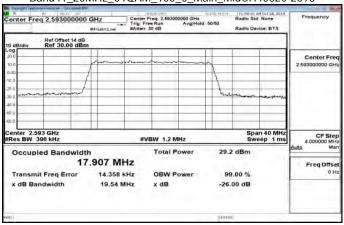
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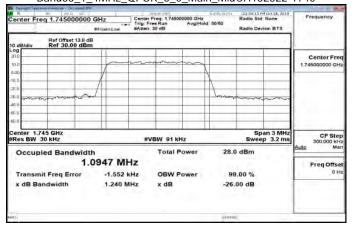
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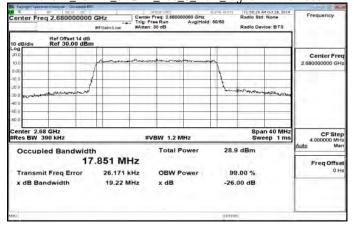
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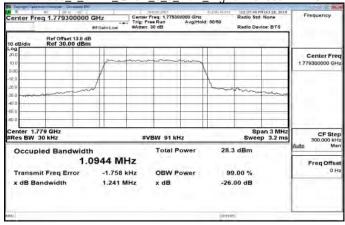
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Band41_20MHz_64QAM_100_0_Main_HighCH41490-2680



Band66_1_4MHz_QPSK_6_0_Main_HighCH132665-1779.3



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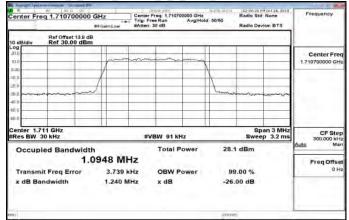
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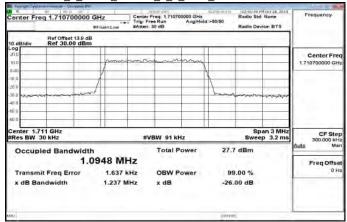


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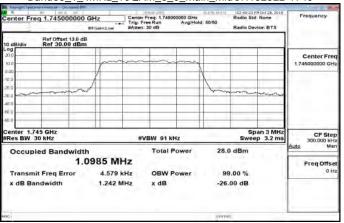
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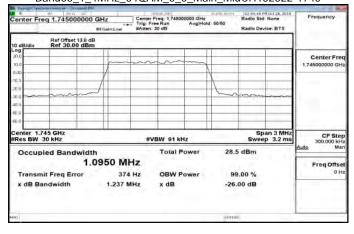
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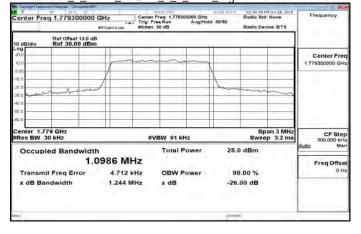
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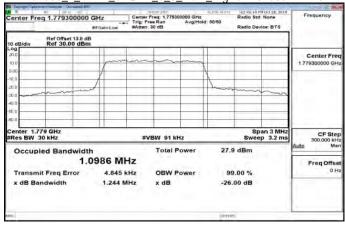
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Band66_1_4MHz_16QAM_6_0_Main_HighCH132665-1779.3



Band66_1_4MHz_64QAM_6_0_Main_HighCH132665-1779.3



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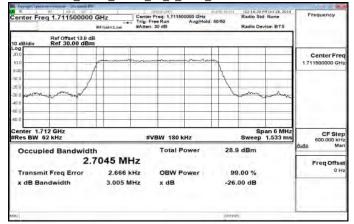
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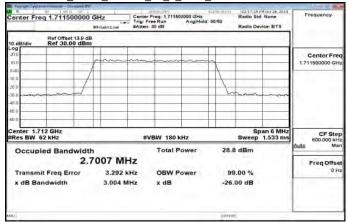


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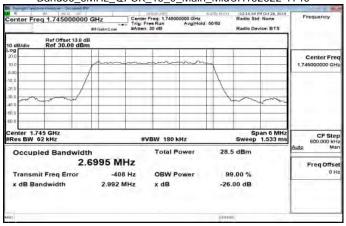
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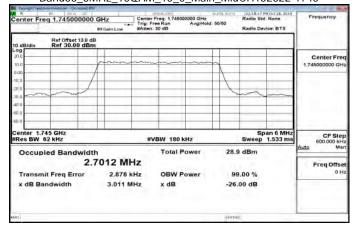
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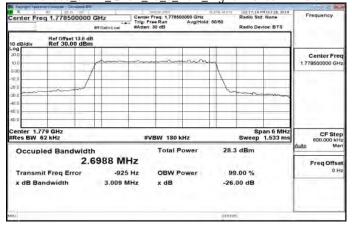
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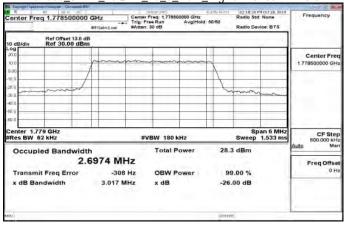
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Band66_3MHz_16QAM_15_0_Main_HighCH132657-1778.5



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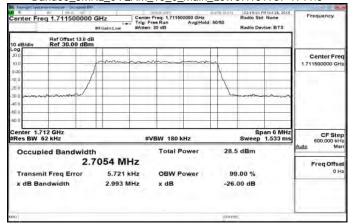
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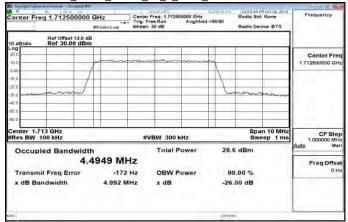


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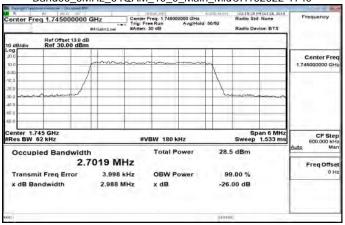
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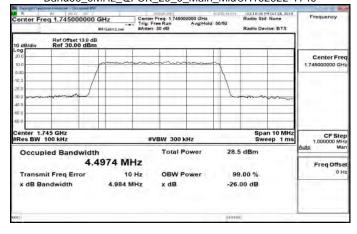
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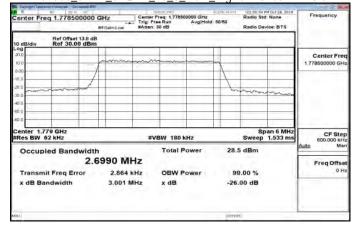
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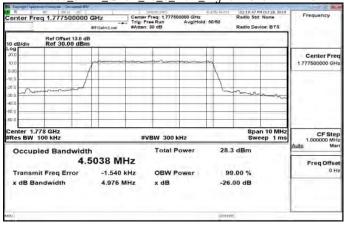
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Band66_3MHz_64QAM_15_0_Main_HighCH132657-1778.5



Band66_5MHz_QPSK_25_0_Main_HighCH132647-1777.5



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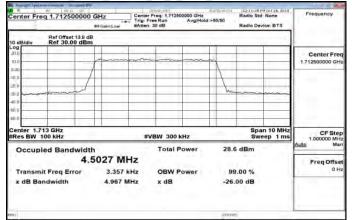
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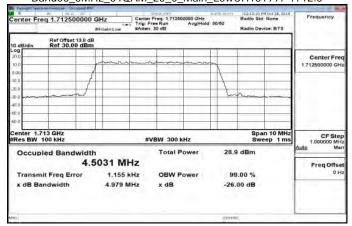


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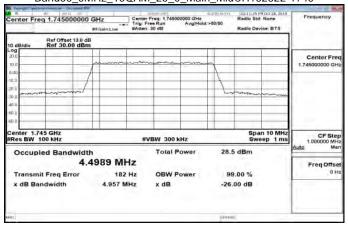
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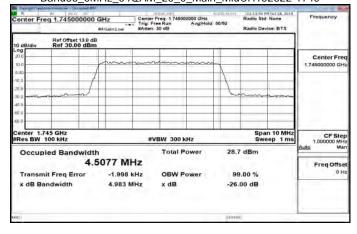
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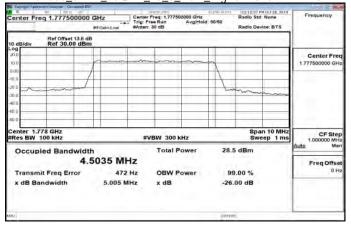
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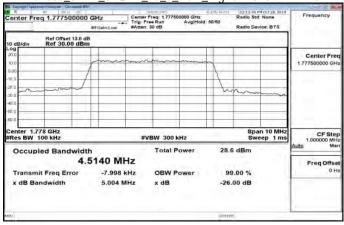
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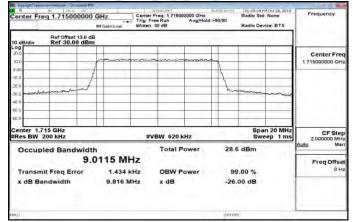
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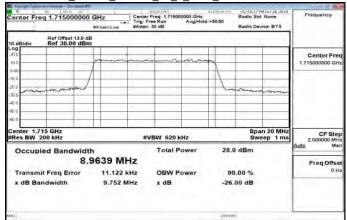


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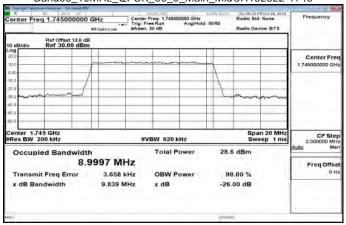
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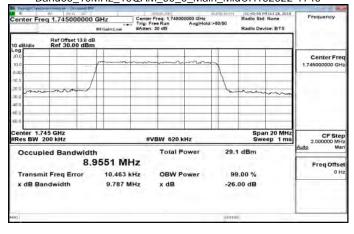
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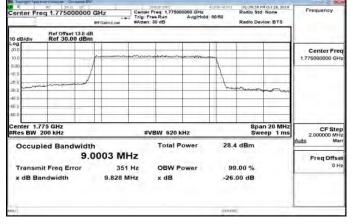
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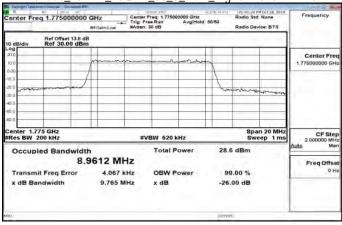
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Band66_10MHz_QPSK_50_0_Main_HighCH132622-1775



Band66_10MHz_16QAM_50_0_Main_HighCH132622-1775



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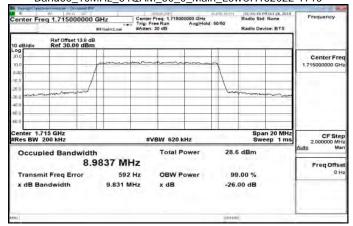
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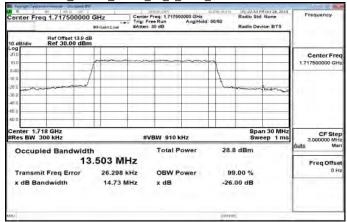


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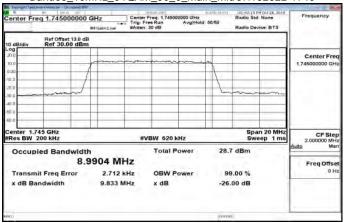
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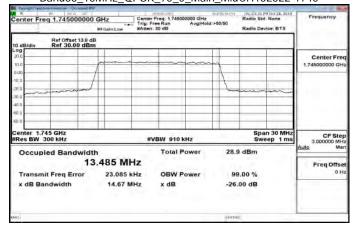
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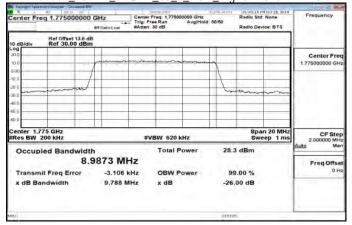
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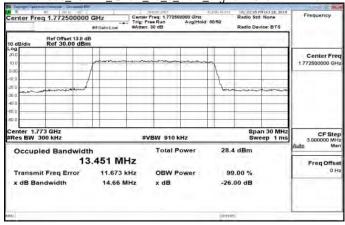
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Band66_10MHz_64QAM_50_0_Main_HighCH132622-1775



Band66_15MHz_QPSK_75_0_Main_HighCH132597-1772.5



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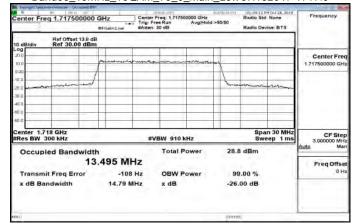
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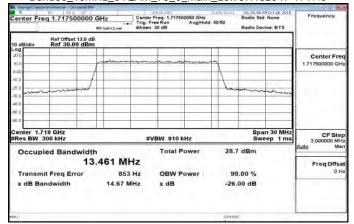


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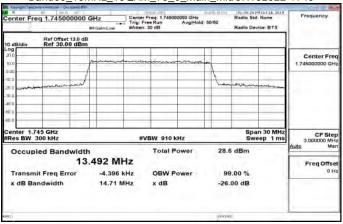
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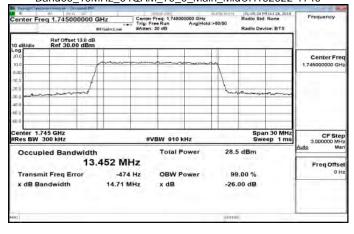
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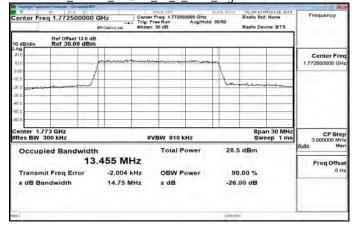
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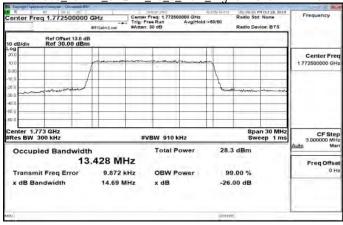
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Band66_15MHz_16QAM_75_0_Main_HighCH132597-1772.5



Band66_15MHz_64QAM_75_0_Main_HighCH132597-1772.5



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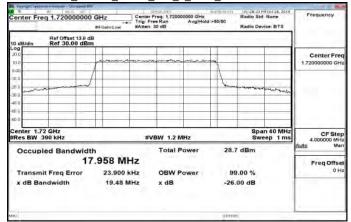
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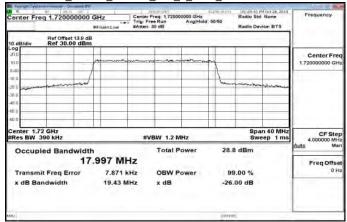


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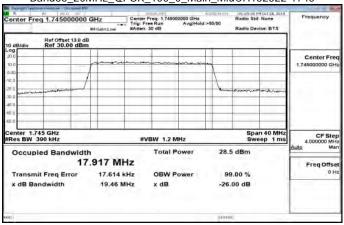
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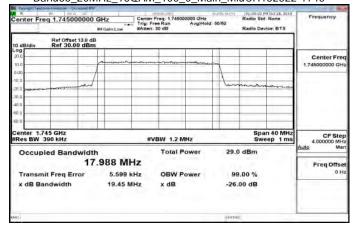
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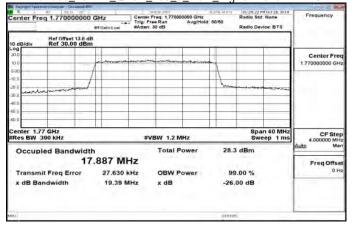
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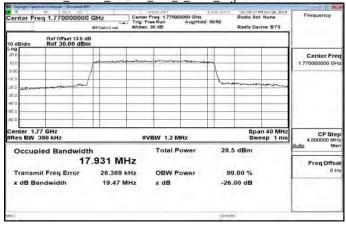
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Band66_20MHz_QPSK_100_0_Main_HighCH132572-1770



Band66_20MHz_16QAM_100_0_Main_HighCH132572-1770



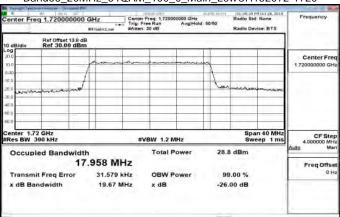
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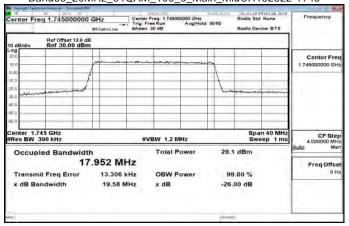
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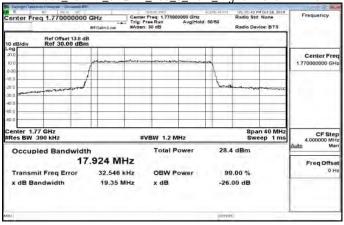
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Band66_20MHz_64QAM_100_0_Main_MidCH132322-1745



Band66_20MHz_64QAM_100_0_Main_HighCH132572-1770



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8. OUT OF BAND EMISSION AT ANTENNA TERMINALS

8.1. Standard Applicable

FCC §22.917(a), §24.238(a), §27.53(h),Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

FCC §27.53(c)

- (c) For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
- (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.

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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.

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 nstrumentation 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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§90.691 Emission mask requirements for EA-based systems.

- (a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:
- (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.
- (2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

§90.543 Emission limitations

- (e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.
- (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- (5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

According to RSS-130 §4.6

The power of any unwanted emissions in any 100 kHz bandwidth on any frequency outside the frequency range(s) within which the equipment is designed to operate shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside the equipment's operating frequency range, a resolution bandwidth of 30 kHz may be employed.

In addition to the limit outlined in Section 4.6.1 above, equipment operating in the frequency bands

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746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- (a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
- (i) 76 + 10 log10 p(watts), dB, for base and fixed equipment, and
- (ii) 65 + 10 log10 p(watts), dB, for mobile and portable equipment.

According to RSS-132 §5.5

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p (watts).
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

According to RSS-133 §6.5

6.5.1 Out-of-Block Emissions

Equipment shall comply with the limits in (i) and (ii) below.

- (i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p(watts).
- (ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p(watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

According to RSS-139 §6.5

For Operation Band 1710-1755MHz and 2110-2155MHz

(i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least 43 + 10 log10(P), dB. Limit = 13dBm (ii) After the first 1.0 MHz outside the equipment's operating frequency block, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log 10(P)$, dB. Limit = -13dBm

According to RSS-195 §5.6.2

The power of any emission outside the frequency range(s) in which the equipment operates shall be attenuated below the transmitter power, P(dBW), by the amount indicated in Table 2 and graphically represented in Figure 2, where p is the transmitter output power measured in watts.

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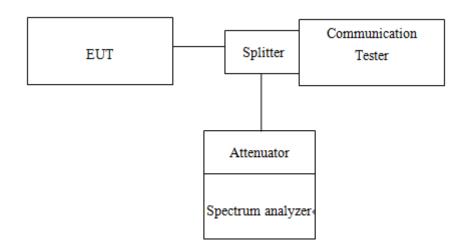
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8.2. Test SET-UP



8.3. Measurement Procedure

Conducted Emission

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

- 1. To connect Antenna Port of EUT to Spectrum.
- 2. Set RBW = 1MHz & VBW = 1MHz on Spectrum.
- 3. Detector = peak
- 4. Set Maximum hold and allow trace to fully stabilize
- 5. Repeat above procedures until all default test channel measured were complete.

Band Edge

- 1. To connect Antenna Port of EUT to Spectrum.
- 2. The band edge of low and high channels for the highest RF powers was measured. Setting RBW ≥ 1% EBW.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

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8.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.
TYPE		NUMBER	NUMBER	CAL.	
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/06/2019	03/05/2020
DC Power Supply	Agilent	E3640A	MY53140006	05/31/2019	05/30/2020
Radio Communica- tion Analyer	Anritsu	MT8820C	6201107337	07/17/2019	07/16/2020
Attenuator	Marvelous	MVE2213-1 0	RF31	12/25/2018	12/24/2019
Splitter	Marvelous	MVE8576	RF38	12/25/2018	12/24/2019
DC Block	PASTERNACK	PE8210	RF81	12/25/2018	12/24/2019
Coaxial Cables	Woken	00100A1F1 A185C	RF220	12/25/2018	12/24/2019

8.5. Measurement Result:

Refer to next pages.

NOTE: The occurrence of the spike on the conducted emission is the signal of the fundamental emission.

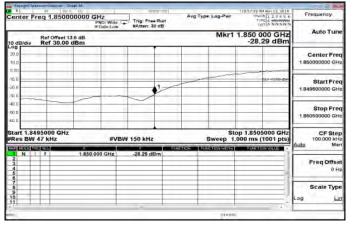
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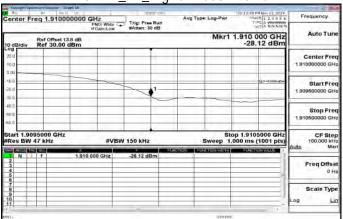


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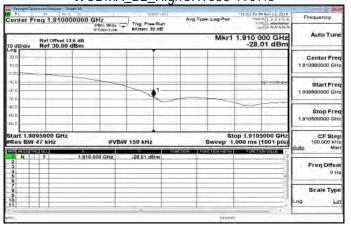
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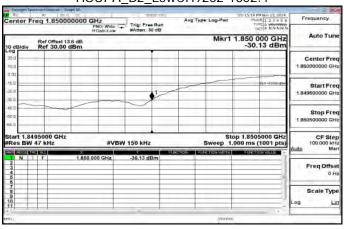
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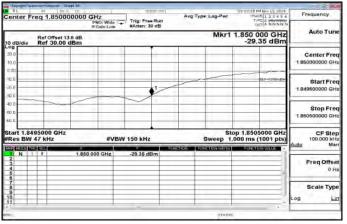
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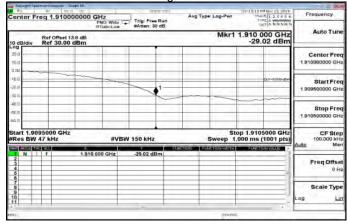
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HSDPA_B2_LowCH9262-1852.4



HSUPA_B2_HighCH9538-1907.6



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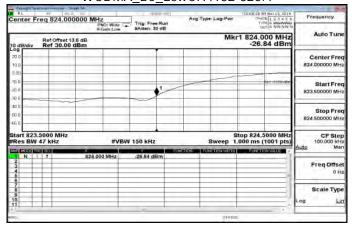
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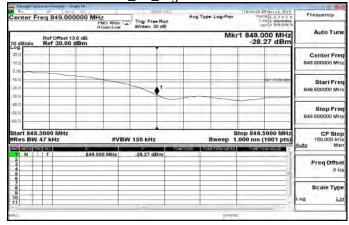


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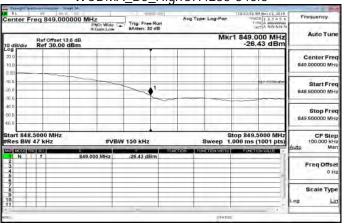
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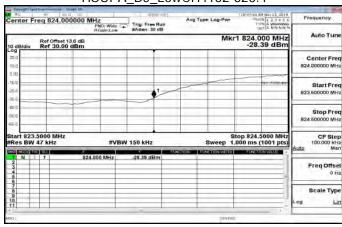
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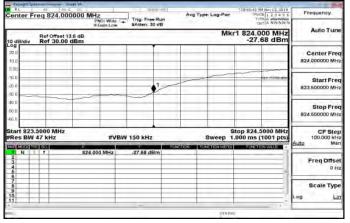
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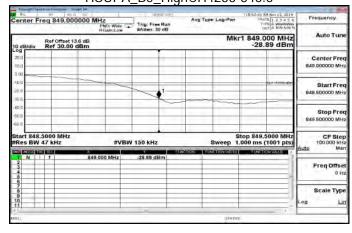
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HSDPA B5 LowCH4132-826.4



HSUPA B5 HighCH4233-846.6



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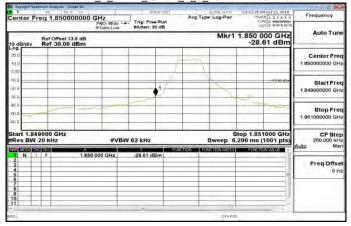
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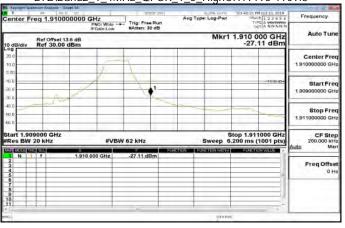


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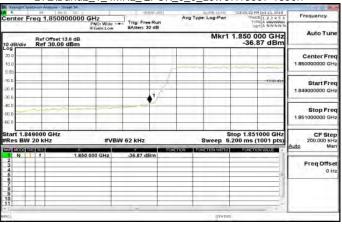
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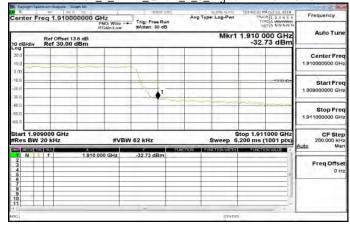
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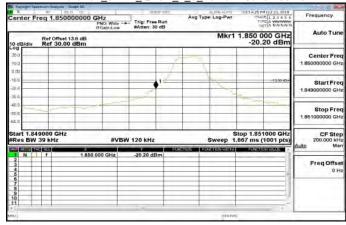
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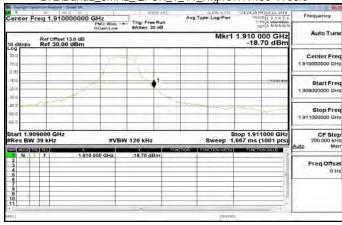
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LTE\Band2_3MHz_QPSK_1_0_LowCH18615-1851.5



LTE\Band2 3MHz QPSK 1 14 HighCH19185-1908.5



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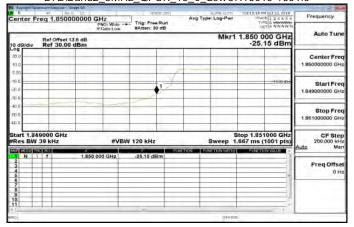
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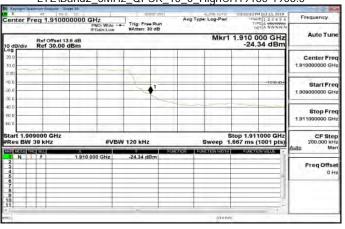


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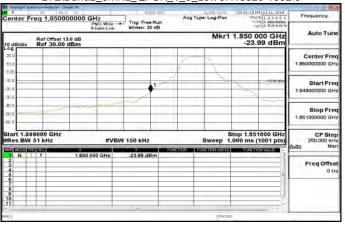
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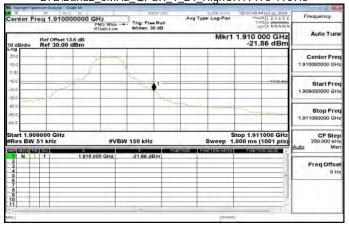
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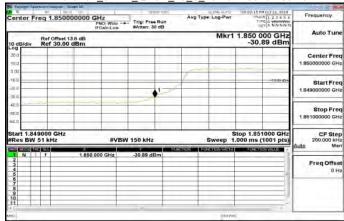
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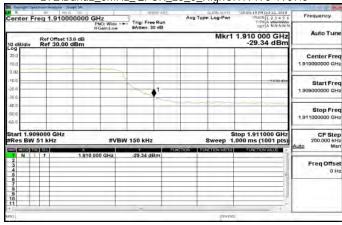
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LTE\Band2 5MHz QPSK 25 0 HighCH19175-1907.5



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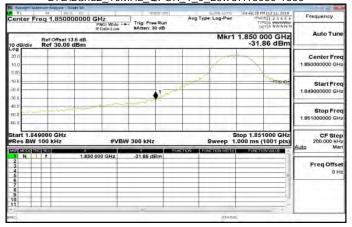
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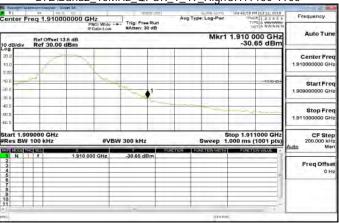


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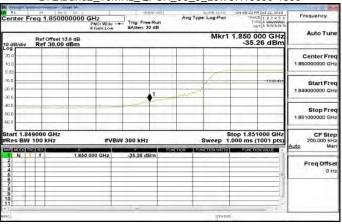
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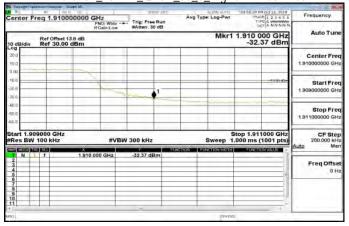
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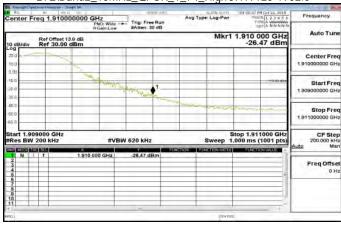
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LTE\Band2 15MHz QPSK 1 74 HighCH19125-1902.5



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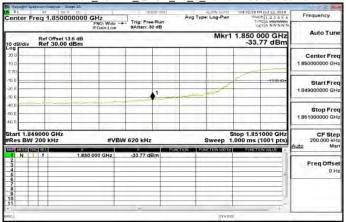
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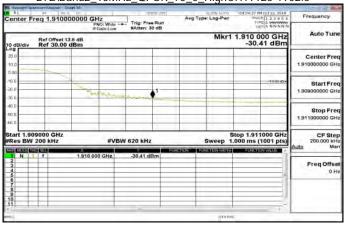


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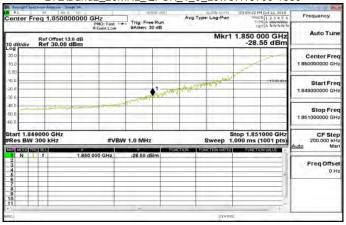
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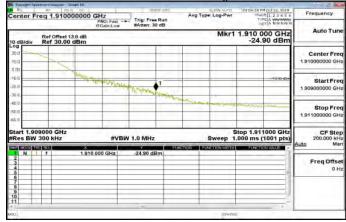
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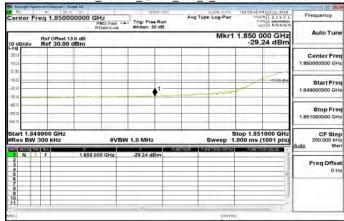
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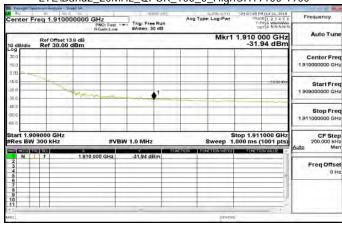
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LTE\Band2_20MHz_QPSK_100_0_LowCH18700-1860



LTE\Band2 20MHz QPSK 100 0 HighCH19100-1900



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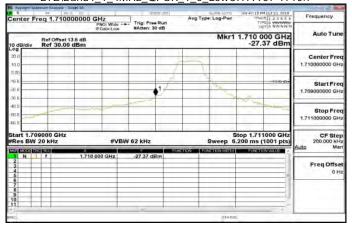
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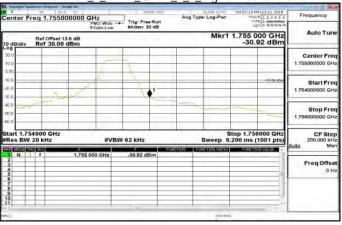


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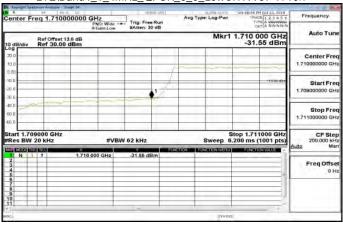
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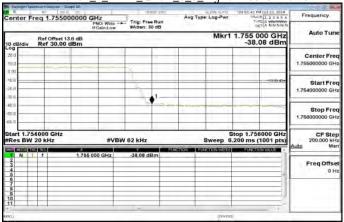
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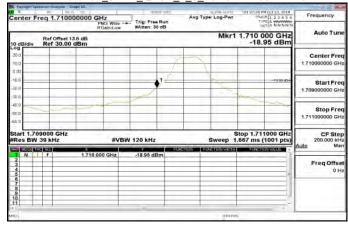
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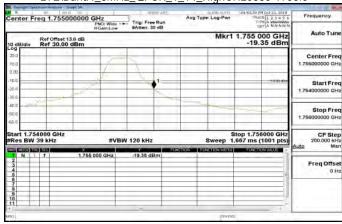
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LTE\Band4_3MHz_QPSK_1_0_LowCH19965-1711.5



LTE\Band4 3MHz QPSK 1 14 HighCH20385-1753.5



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