



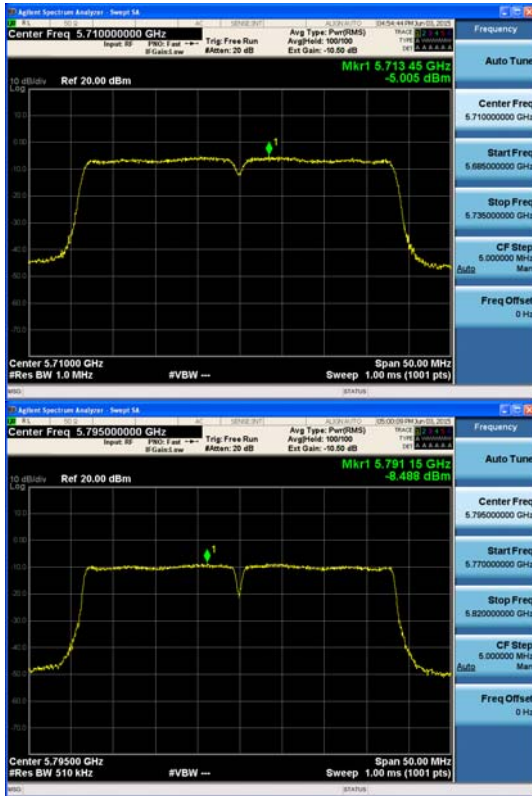
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Ant : A2_802.11ac_HT40 (2)



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Ant : A3_802.11ac_HT40 (1)



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Ant : A3_802.11ac_HT40 (2)



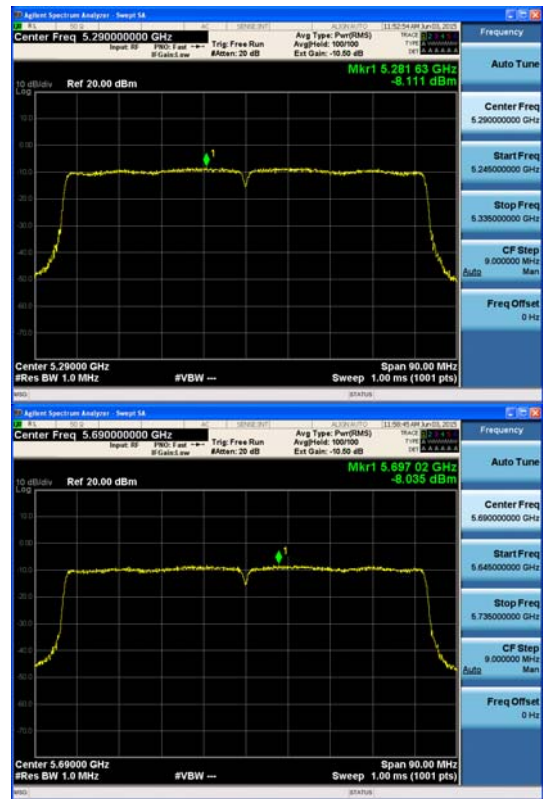
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Ant : A1_802.11ac_HT80



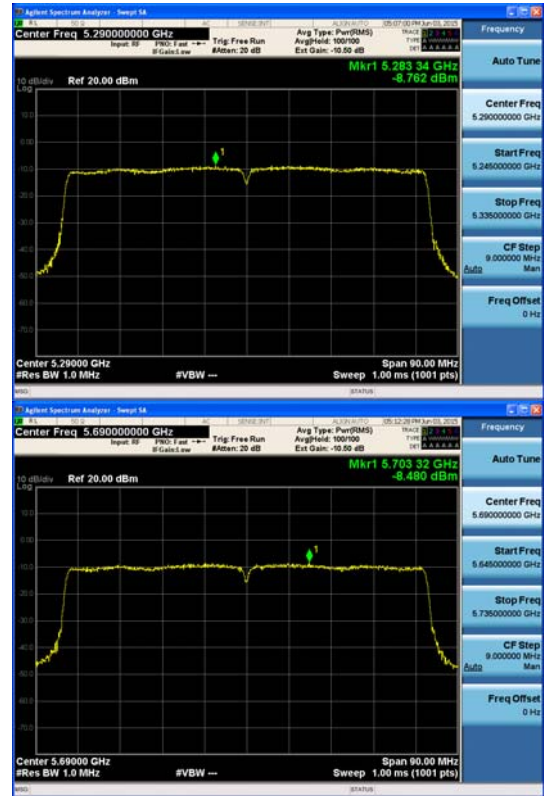
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Ant : A2_802.11ac_HT80



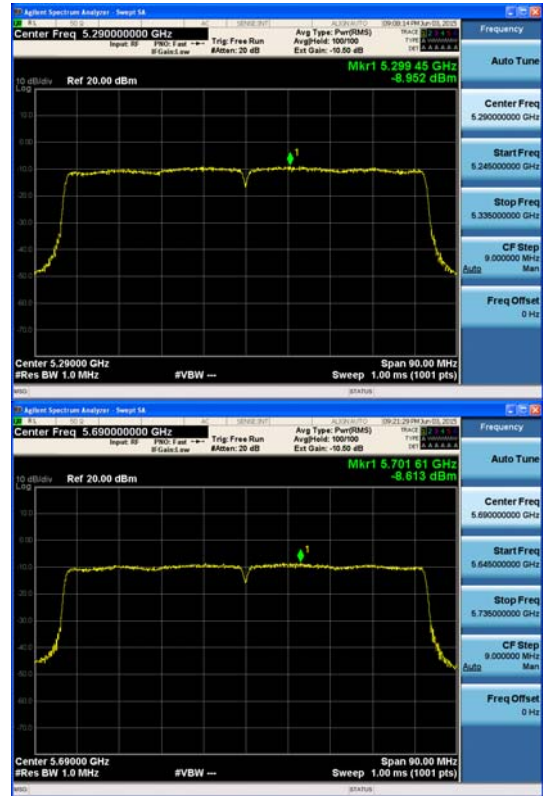
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Ant : A3_802.11ac_HT80

2.1.6 Frequency Stability

Procedure:

The EUT was placed inside of an environmental chamber as the temperature in the chamber was varied between 0°C and +45°C. The temperature was incremented by 10°C (15°C) intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

Data for the worst case channel is shown below.

Temperature (°C)	0	10	20	30	45
Frequency	Measured Frequency Error (kHz)				
5180 MHz	1.416	0.897	-19.988	-52.103	-83.296
5200 MHz	6.016	-12.985	-29.541	-61.401	-83.177
5240 MHz	-2.402	-14.461	-28.199	-62.121	-89.885
5260 MHz	-0.829	-7.133	-28.906	-63.869	-87.906
5300 MHz	-3.665	-7.958	-33.106	-56.593	-98.77
5320 MHz	-4.204	-16.086	-33.114	-65.437	-93.889
5500 MHz	-4.466	-25.405	-36.560	-69.951	-93.929
5600 MHz	1.736	-14.414	-32.809	-66.461	-91.363
5720 MHz	-5.920	-17.207	-41.357	-65.654	-95.419
5745 MHz	-5.669	-19.856	-41.379	-72.704	-96.088
5785 MHz	-3.249	-18.025	-35.377	-72.451	-100.335
5825 MHz	-5.628	-18.541	-41.001	-66.615	-101.069
Measurement uncertainty	± 3 dB				

Note :

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

2.1.7 Conducted Spurious Emissions

Procedure:

KDB 789033 Conducted Measurements.

Measurement Data: Next Page

ANT1_802.11a



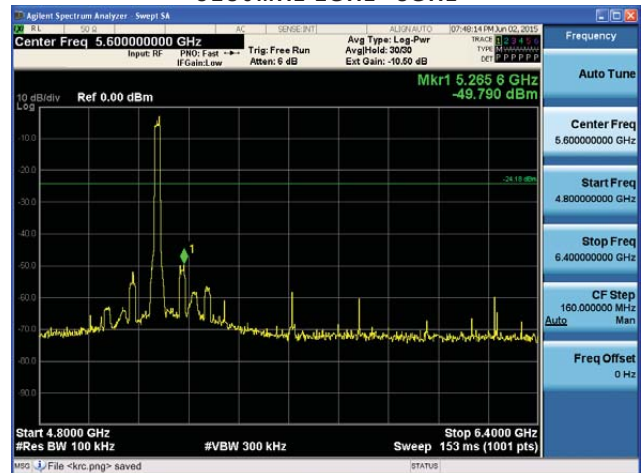
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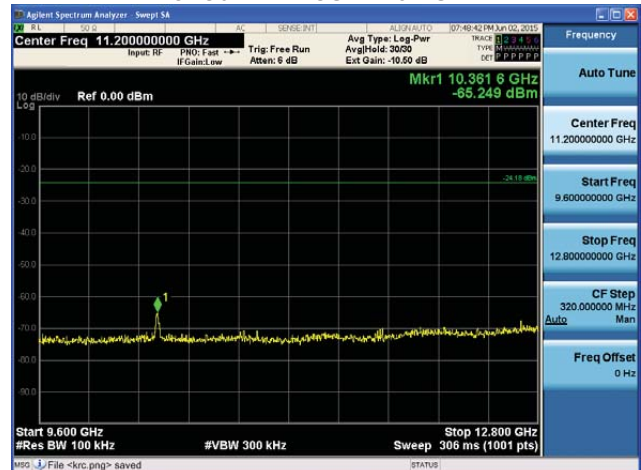
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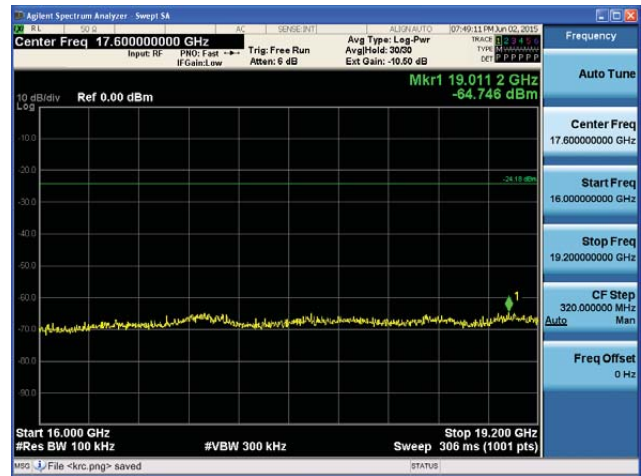
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5180MHz 9.6GHz~12.8GHz



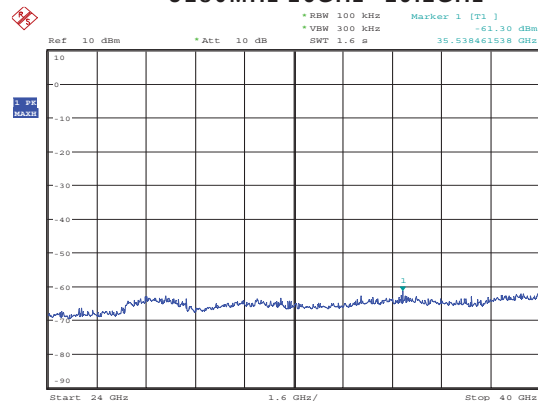
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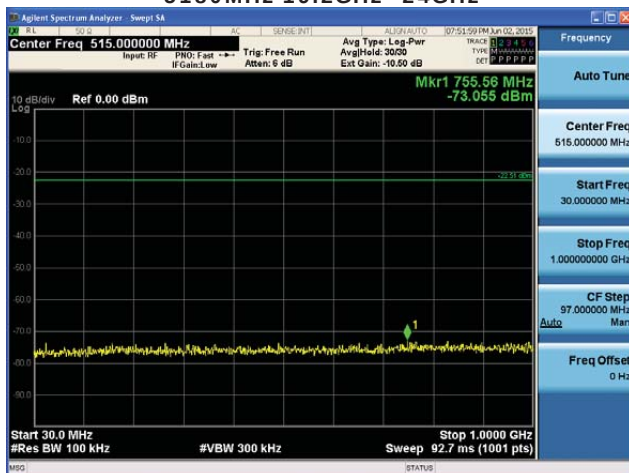
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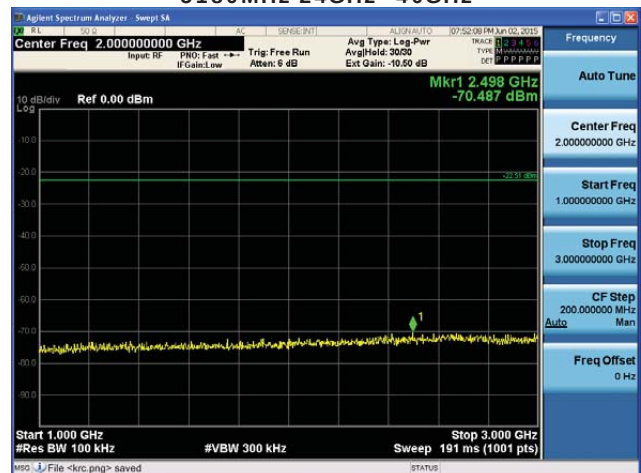
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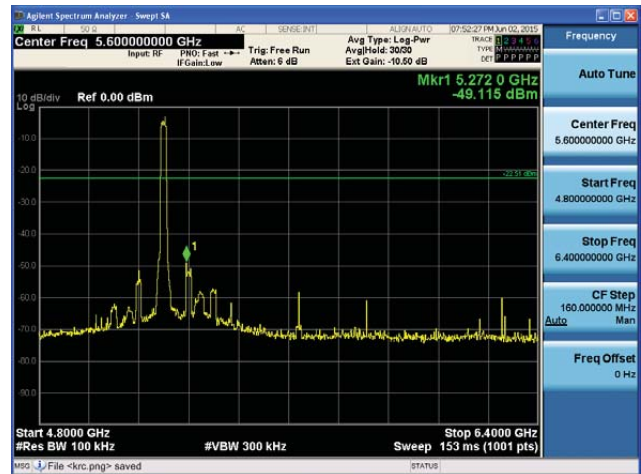
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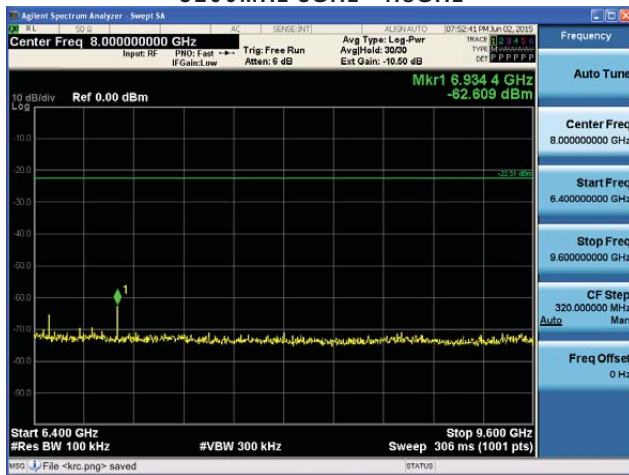
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5200MHz 3GHz~4.8GHz



5200MHz 4.8GHz~6.4GHz



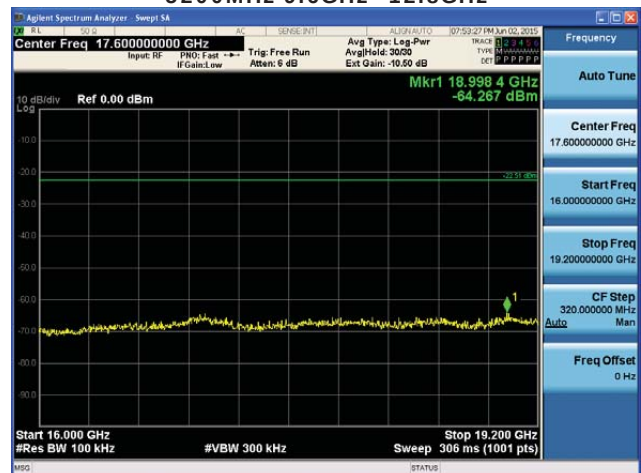
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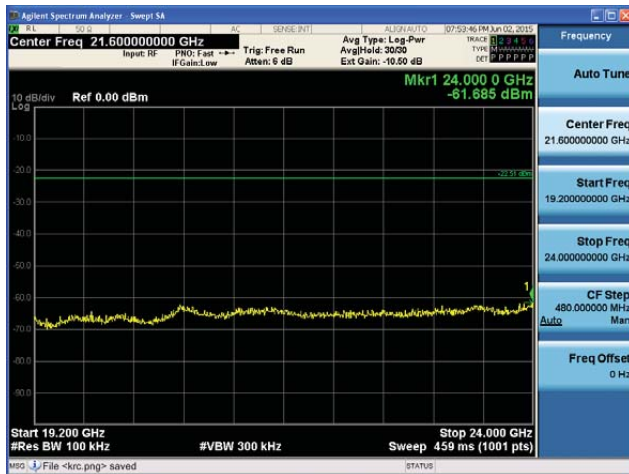
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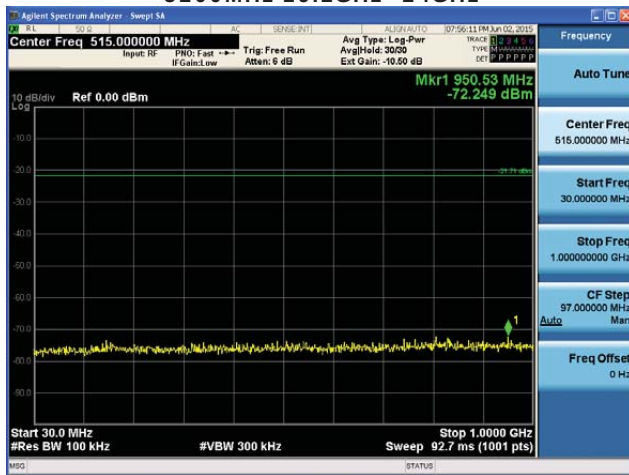
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5200MHz 16GHz~19.2GHz



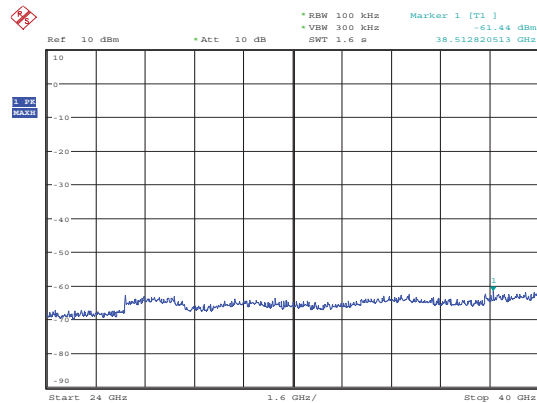
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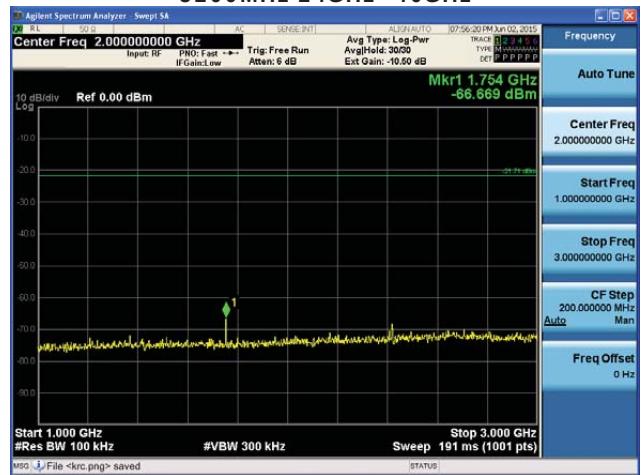
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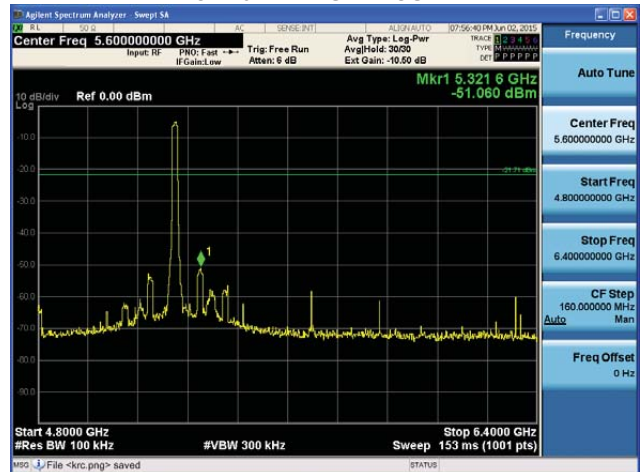
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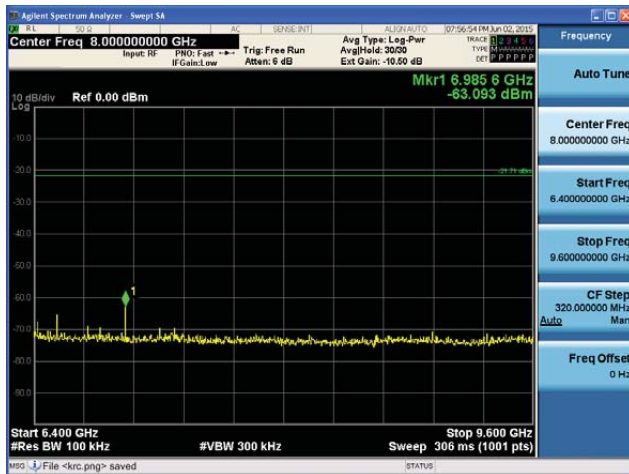
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5240MHz 1GHz~3GHz



5240MHz 4.8GHz~6.4GHz



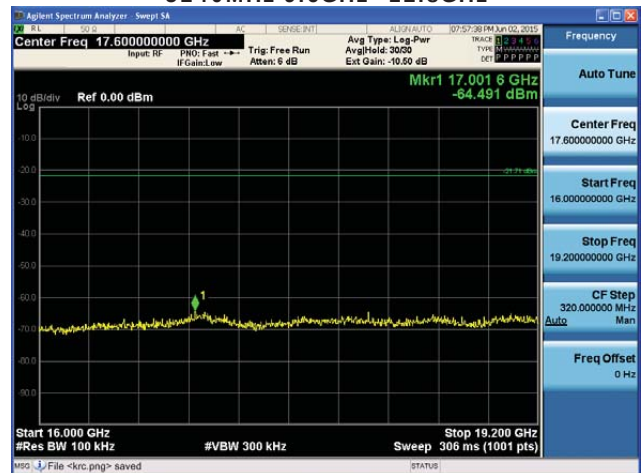
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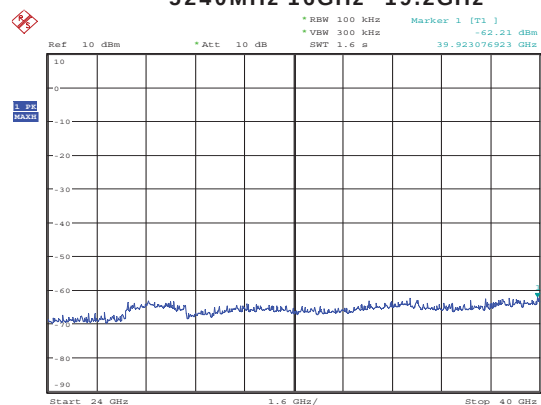
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5240MHz 16GHz~19.2GHz

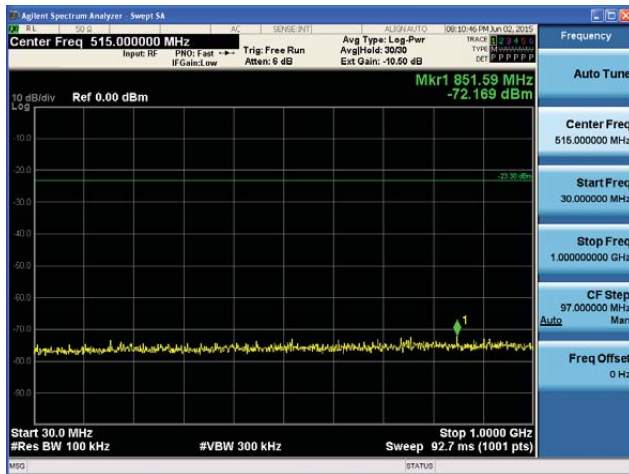


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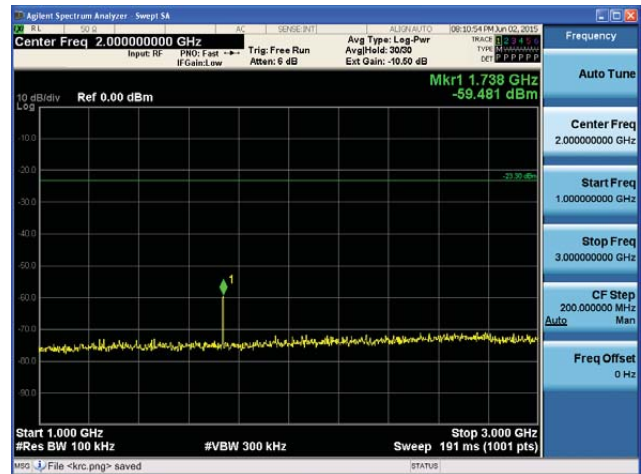


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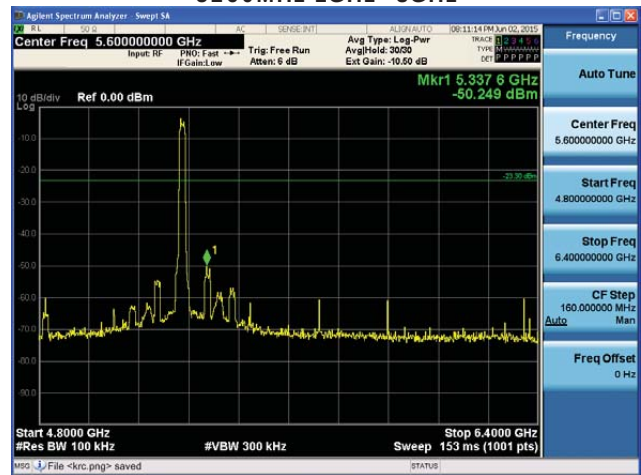
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5260MHz 1GHz~3GHz



5260MHz 3GHz~4.8GHz



5260MHz 4.8GHz~6.4GHz



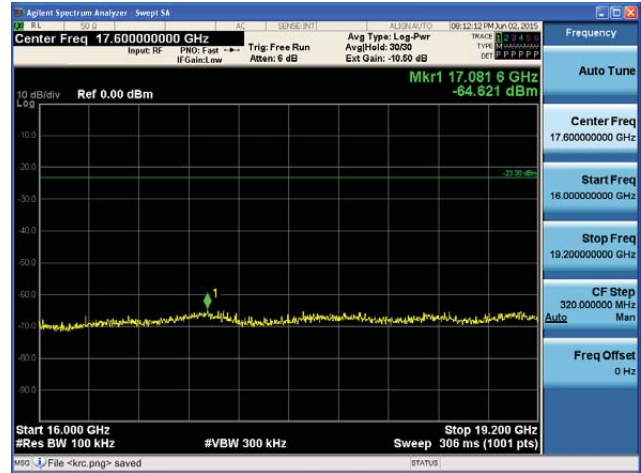
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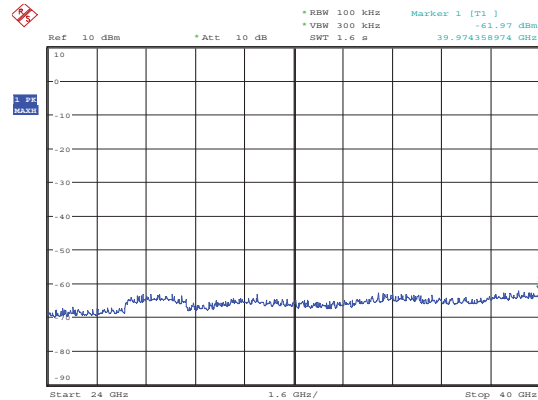
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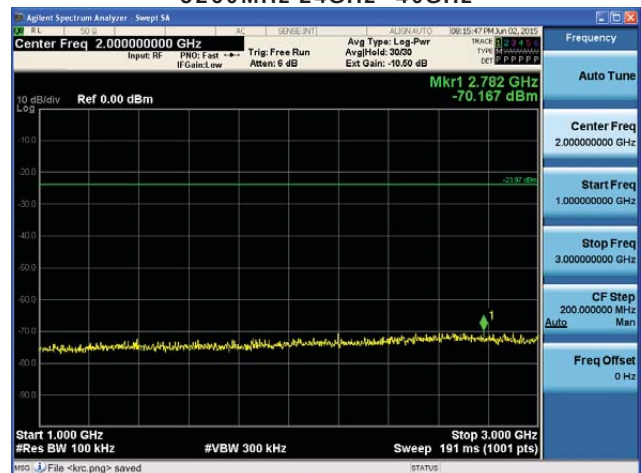
5260MHz 19.2GHz~24GHz



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5300MHz 30MHz~1GHz



5300MHz 1GHz~3GHz



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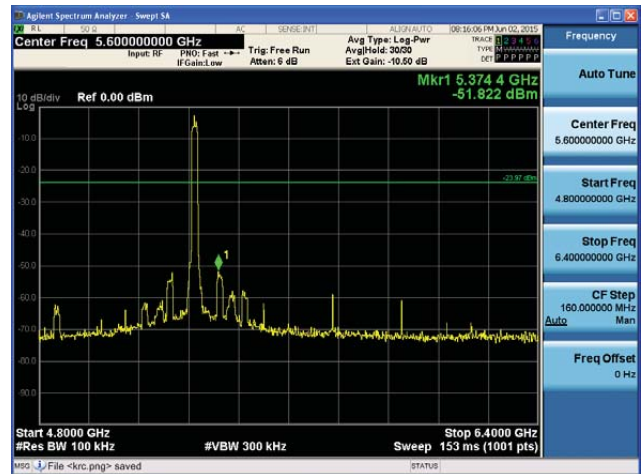
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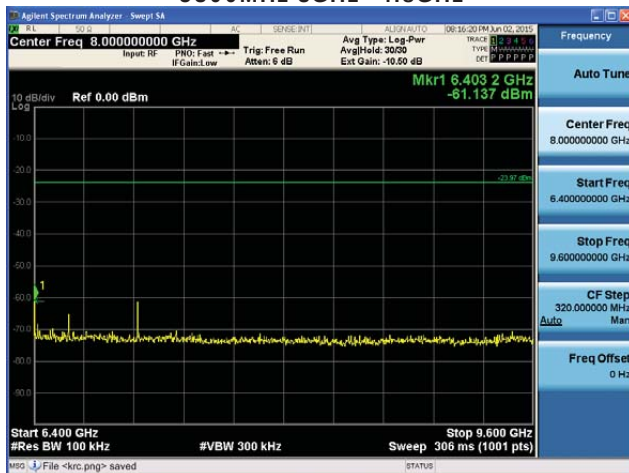
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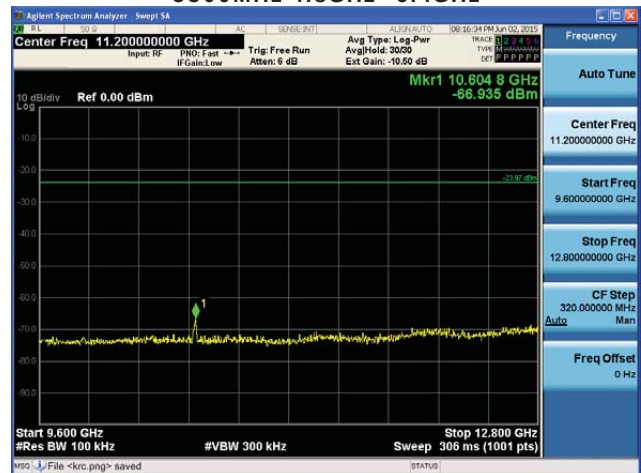
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5300MHz 4.8GHz~6.4GHz



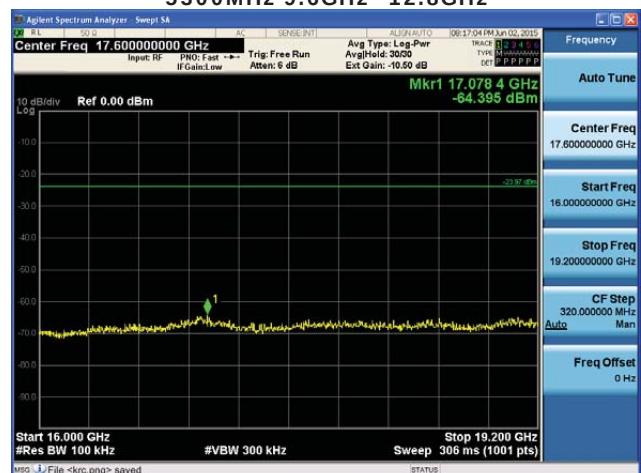
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5300MHz 9.6GHz~12.8GHz



5300MHz 12.8GHz~16GHz



5300MHz 16GHz~19.2GHz



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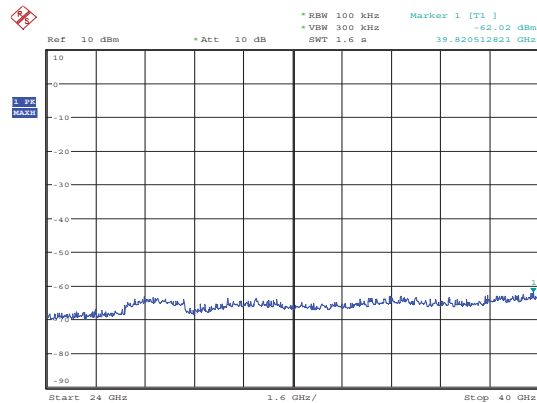
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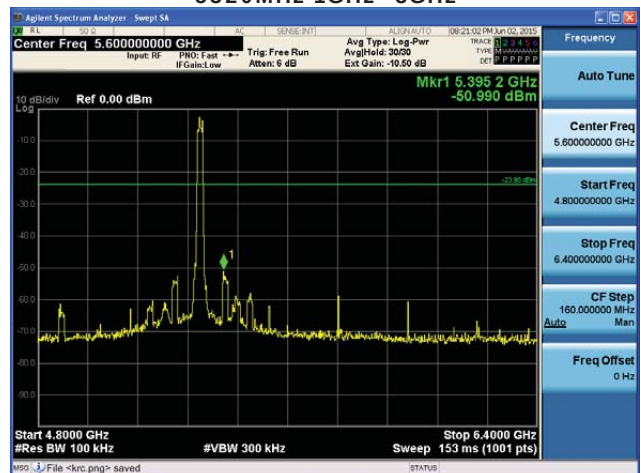
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5300MHz 24GHz~40GHz



5320MHz 1GHz~3GHz



5320MHz 4.8GHz~6.4GHz



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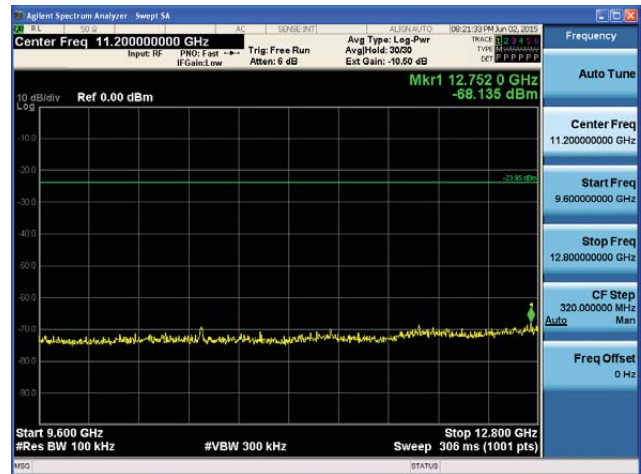
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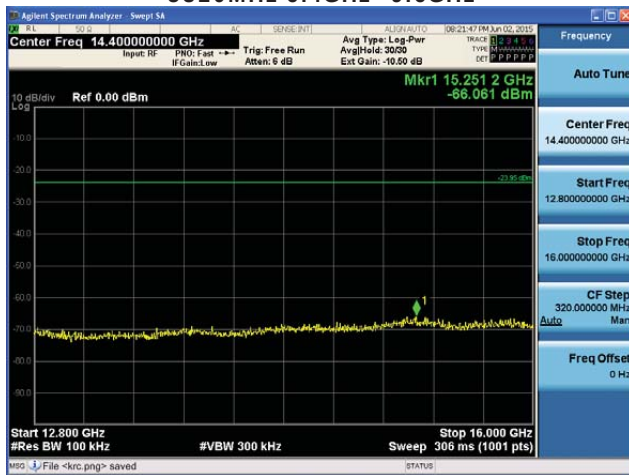
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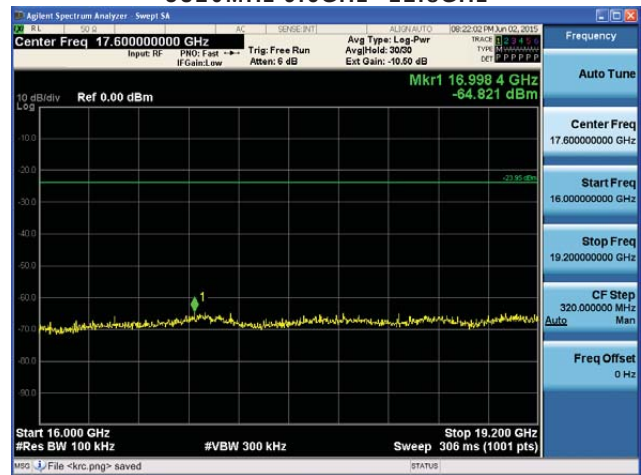
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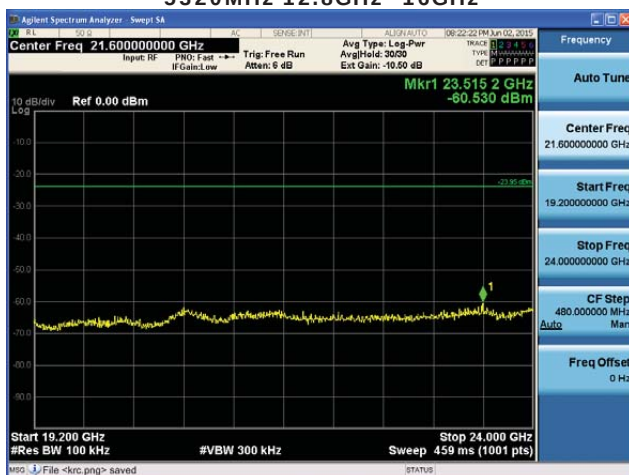
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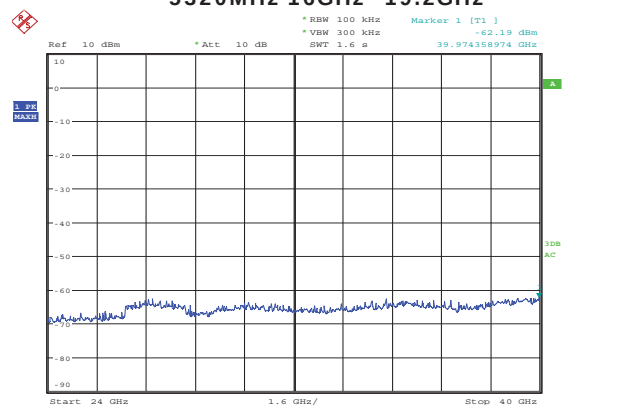
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5320MHz 16GHz~19.2GHz

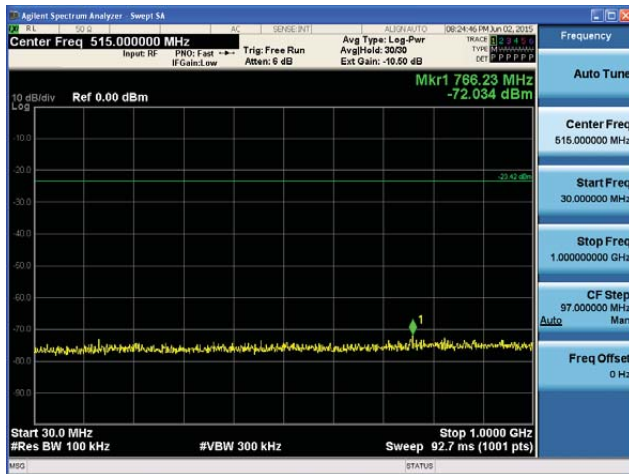


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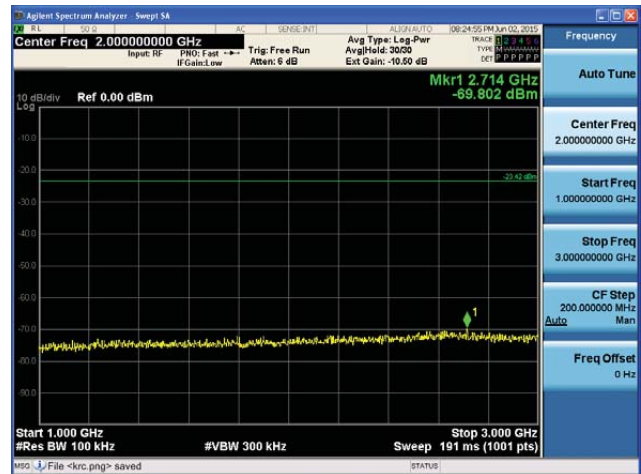


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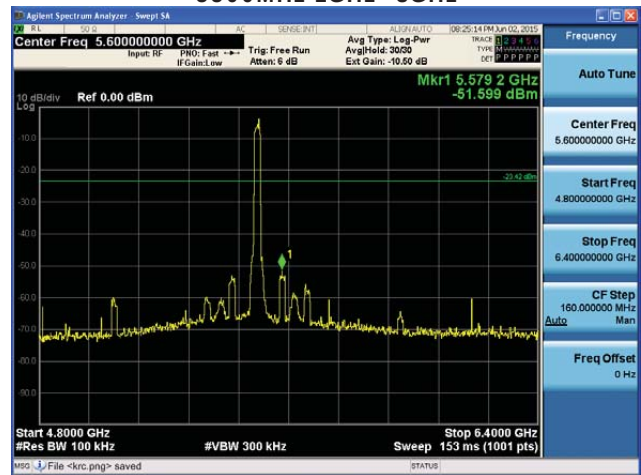
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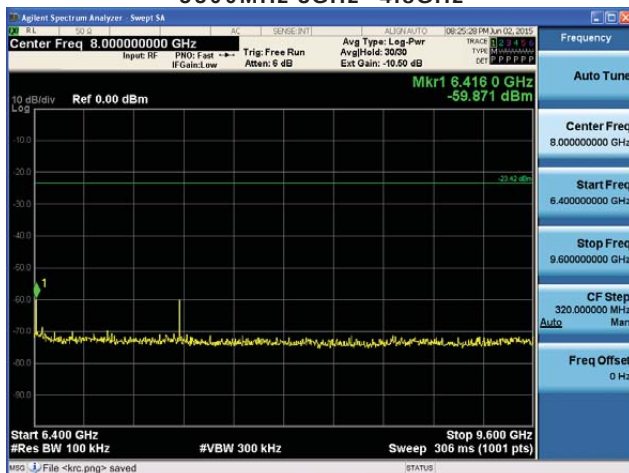
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5500MHz 3GHz~4.8GHz



5500MHz 4.8GHz~6.4GHz



5500MHz 6.4GHz~9.6GHz



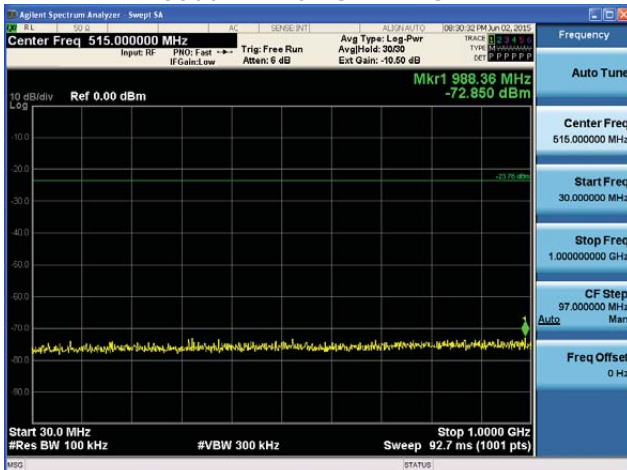
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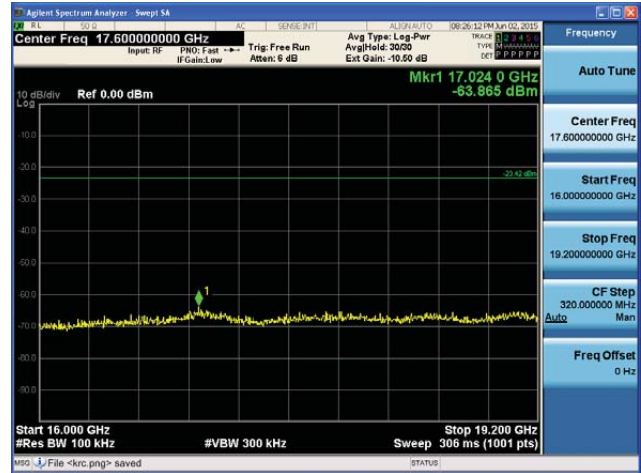
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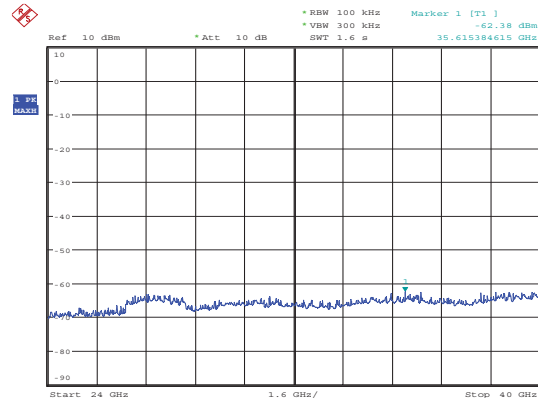
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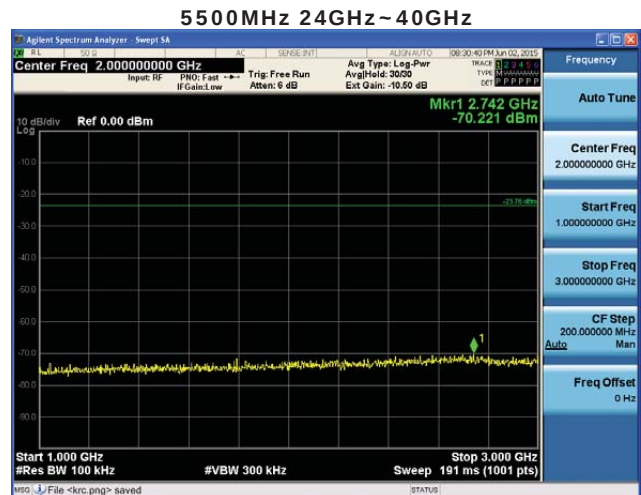
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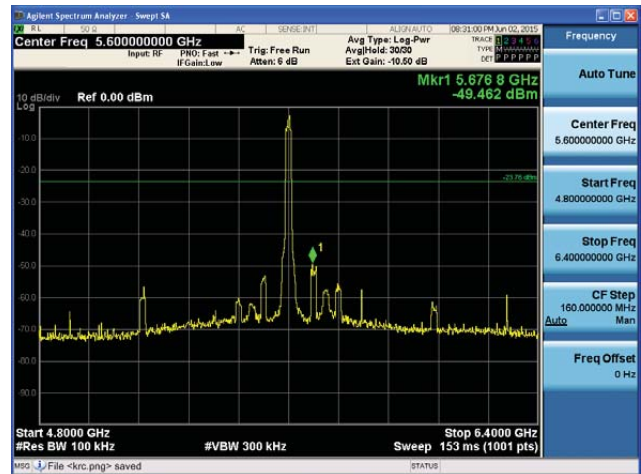
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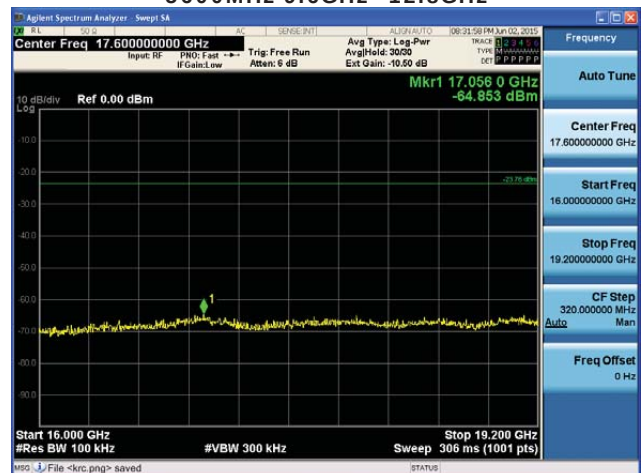
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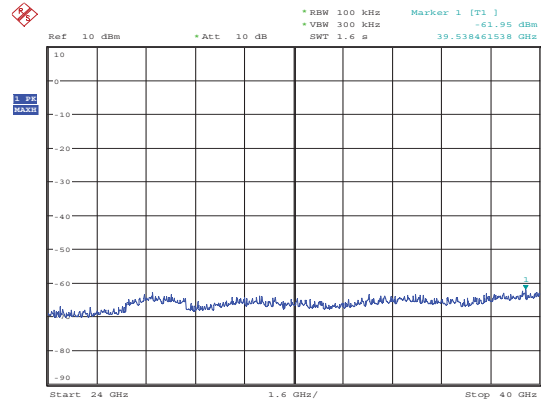
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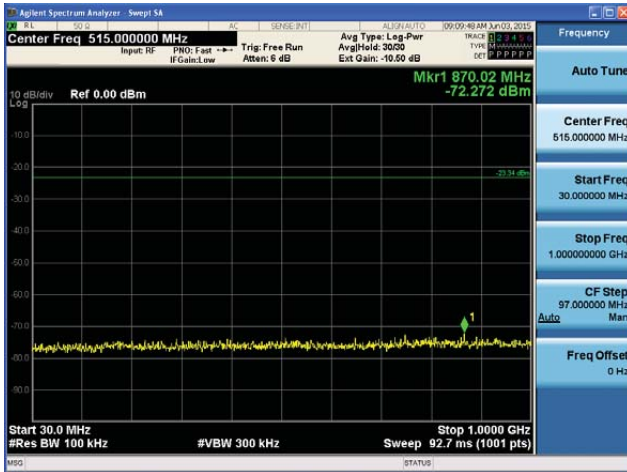
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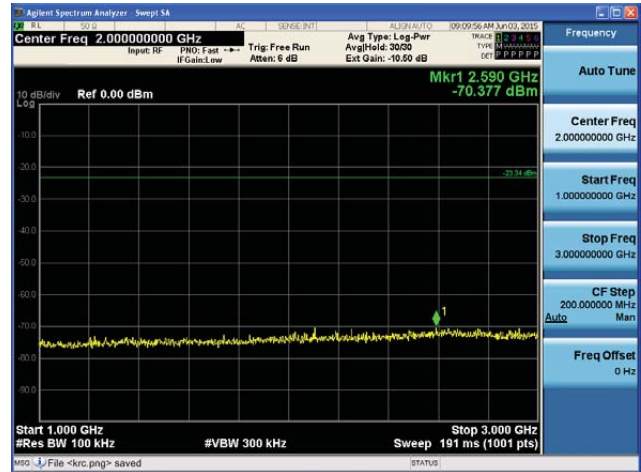
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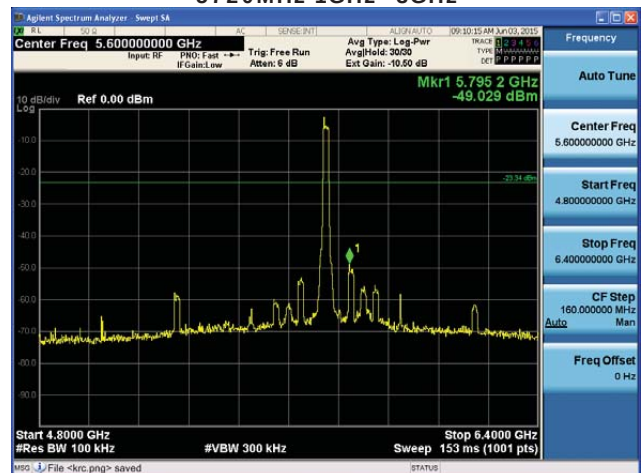
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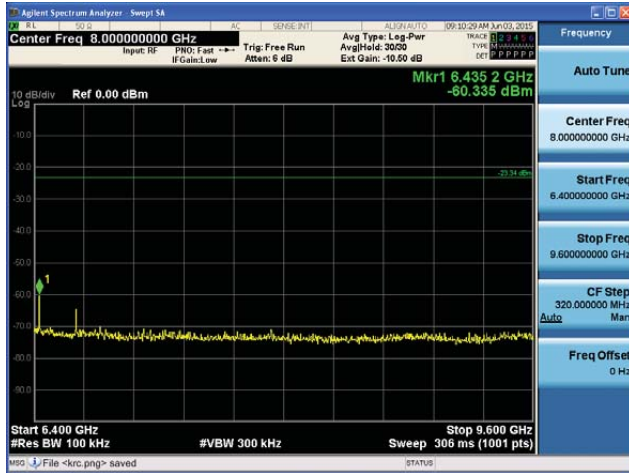
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5720MHz 4.8GHz~6.4GHz



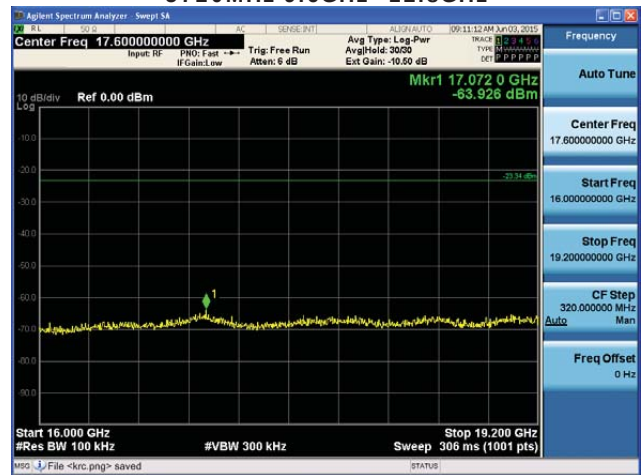
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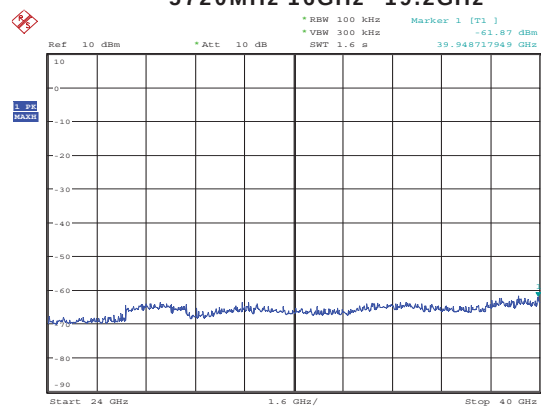
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5720MHz 16GHz~19.2GHz

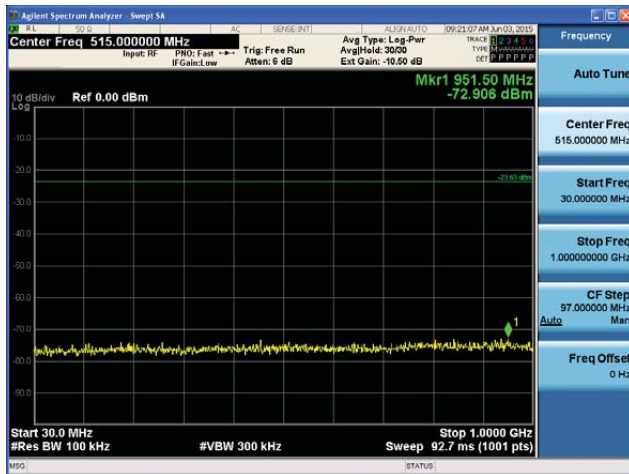


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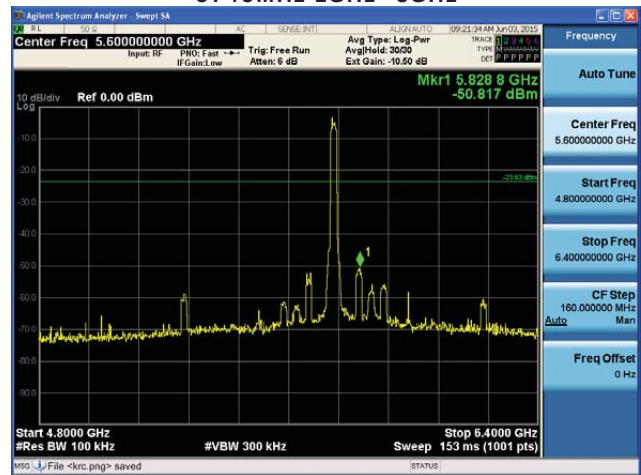
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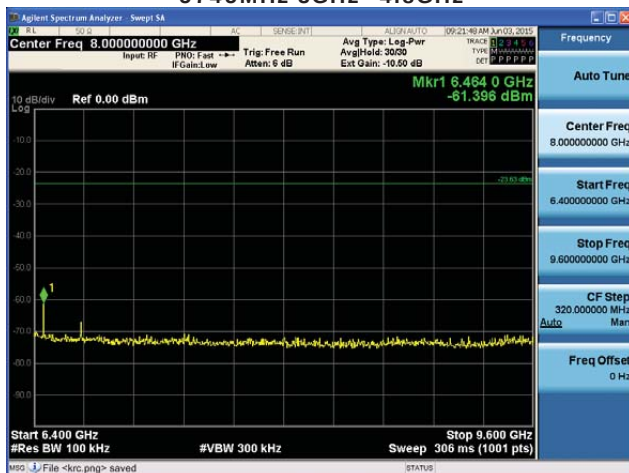
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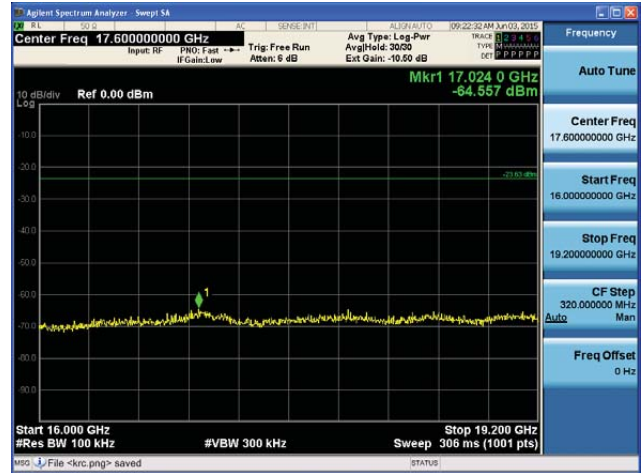
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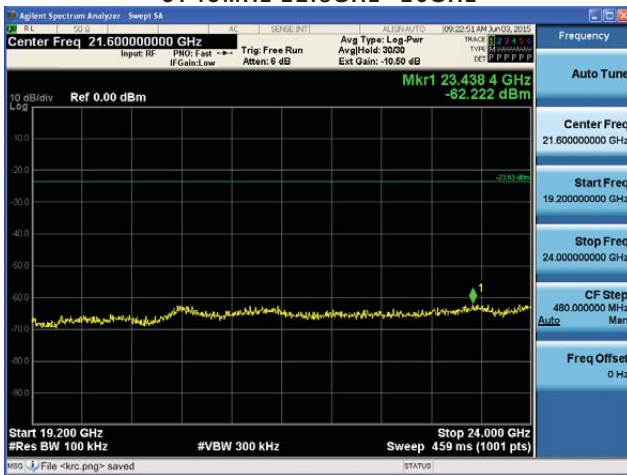
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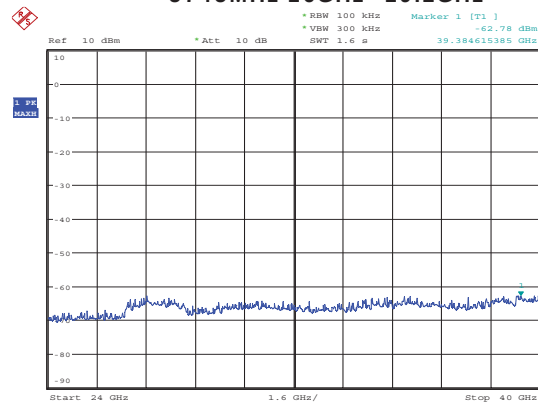
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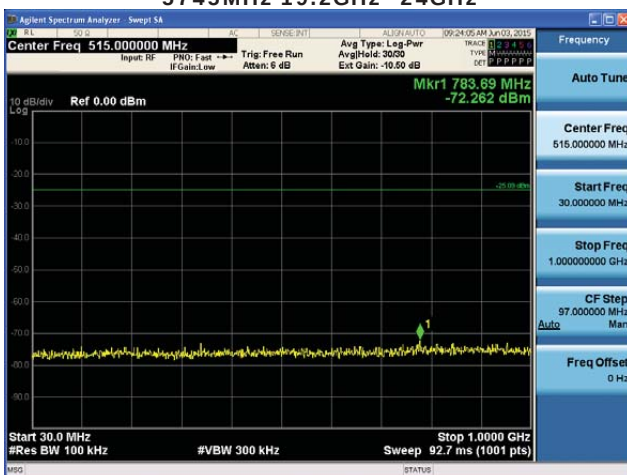
5745MHz 16GHz~19.2GHz



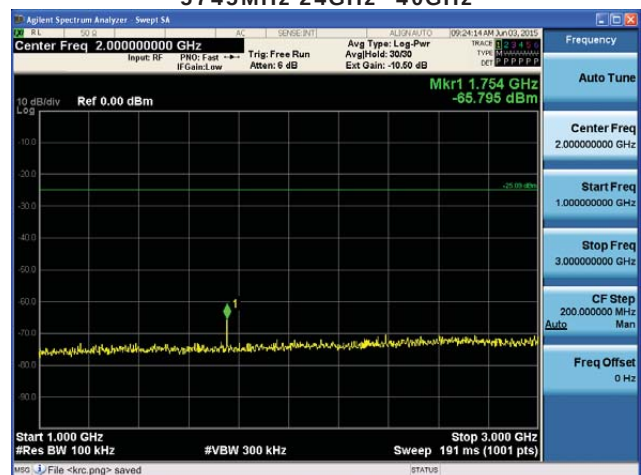
5745MHz 19.2GHz~24GHz



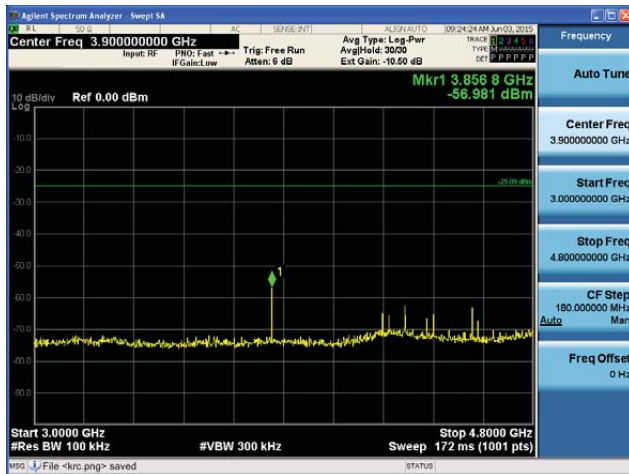
Date: 8 JUN 2015 16:50:33



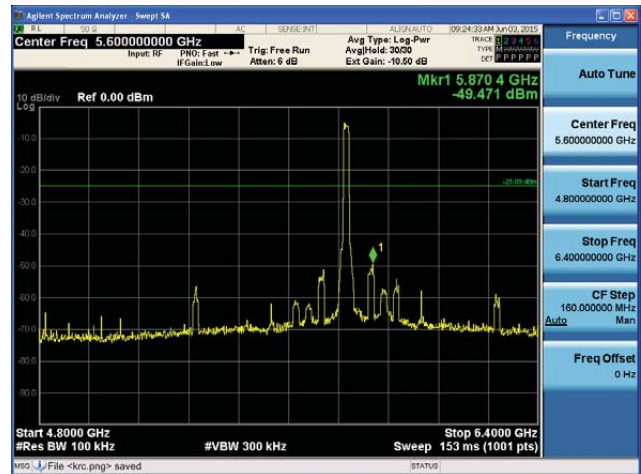
5785MHz 30MHz~1GHz



5785MHz 1GHz~3GHz



5785MHz 3GHz~4.8GHz



5785MHz 4.8GHz~6.4GHz



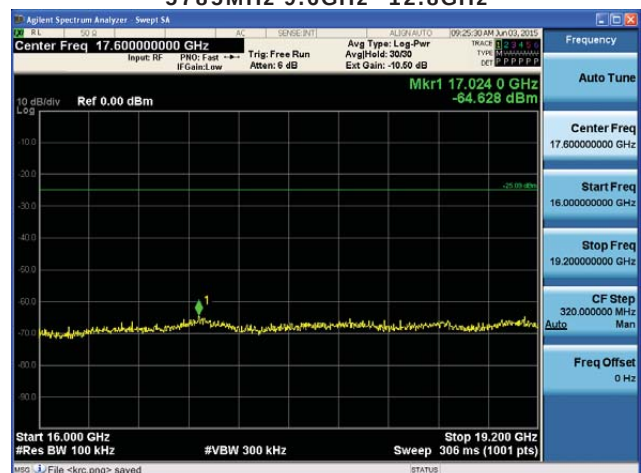
5785MHz 6.4GHz~9.6GHz



5785MHz 9.6GHz~12.8GHz



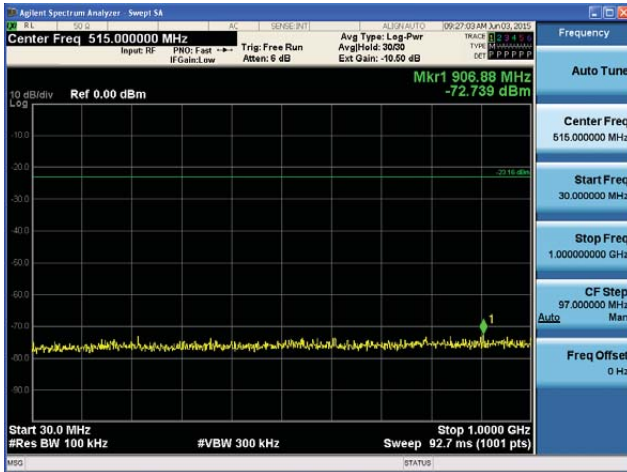
5785MHz 12.8GHz~16GHz



5785MHz 16GHz~19.2GHz



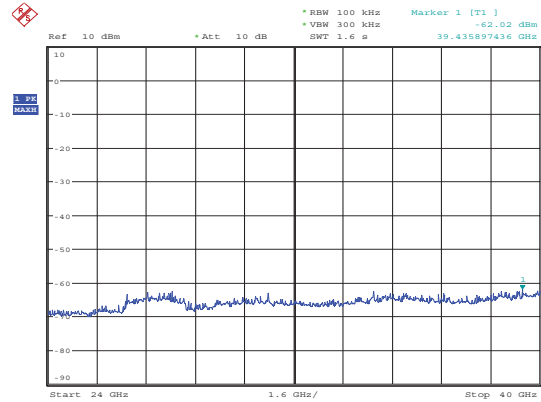
5785MHz 19.2GHz~24GHz



5825MHz 30MHz~1GHz



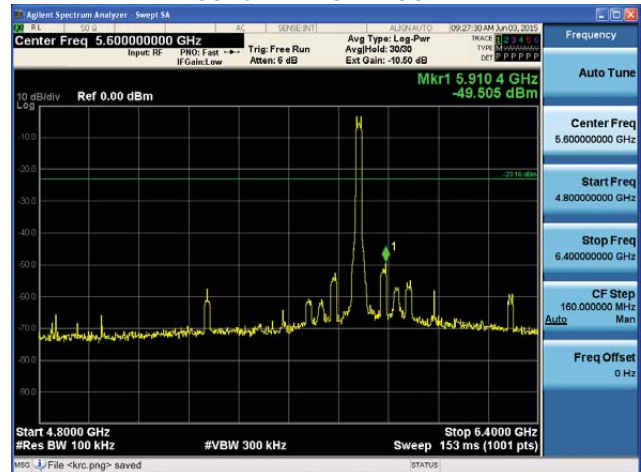
5825MHz 3GHz~4.8GHz



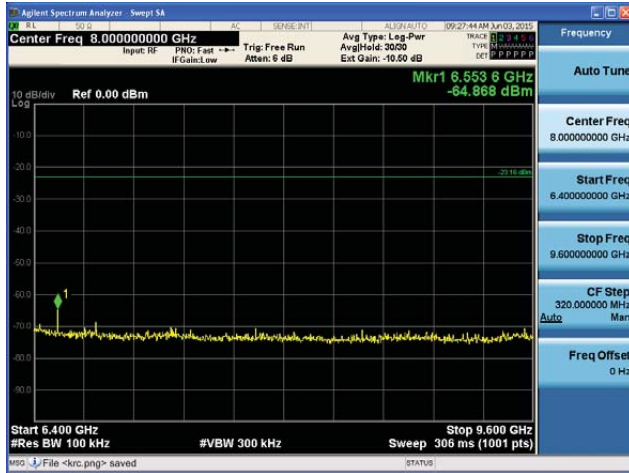
5785MHz 24GHz~40GHz



5825MHz 1GHz~3GHz



5825MHz 4.8GHz~6.4GHz



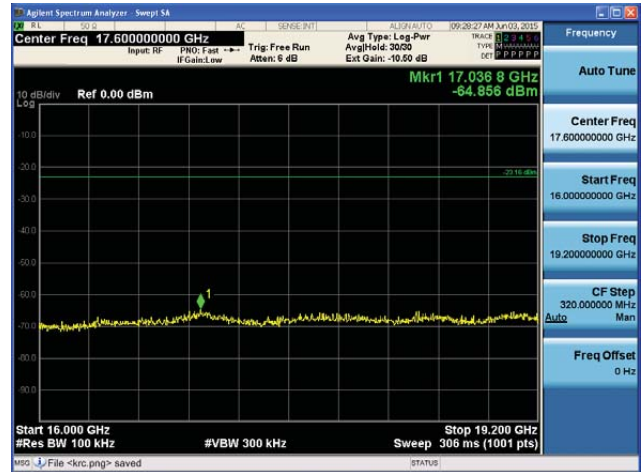
5825MHz 6.4GHz~9.6GHz



5825MHz 9.6GHz~12.8GHz



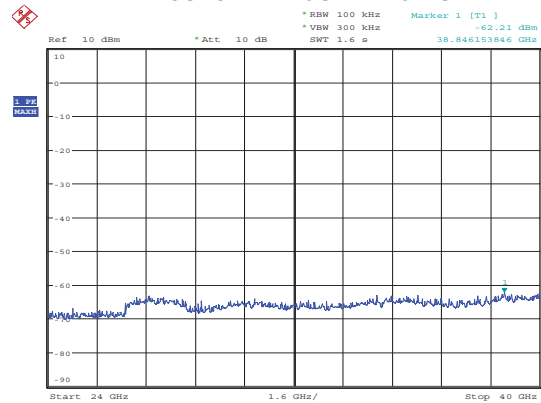
5825MHz 12.8GHz~16GHz



5825MHz 16GHz~19.2GHz



5825MHz 19.2GHz~24GHz



5825MHz 24GHz~40GHz