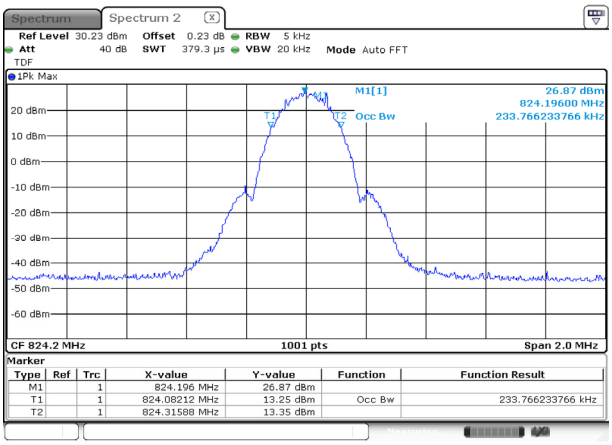
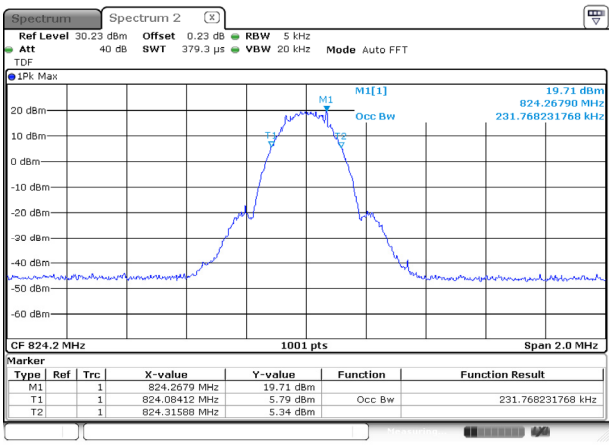
99% Occupied Bandwidth

Test mode: GSM 850

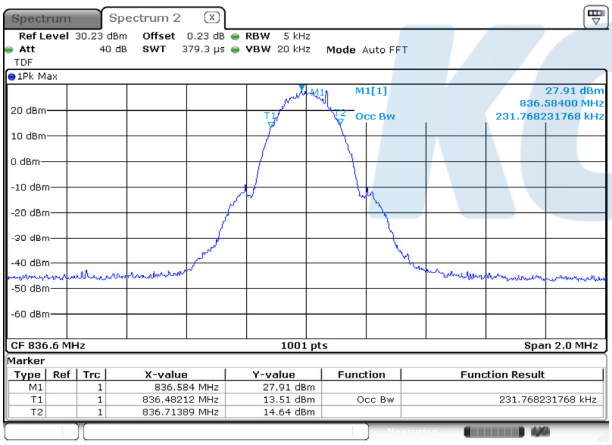
GPRS / Low ch.



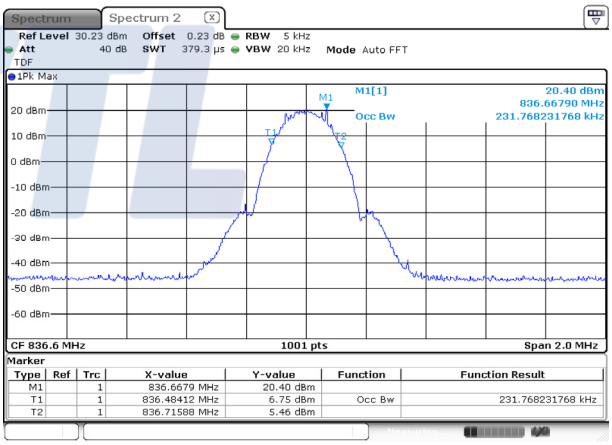
EDGE / Low ch.



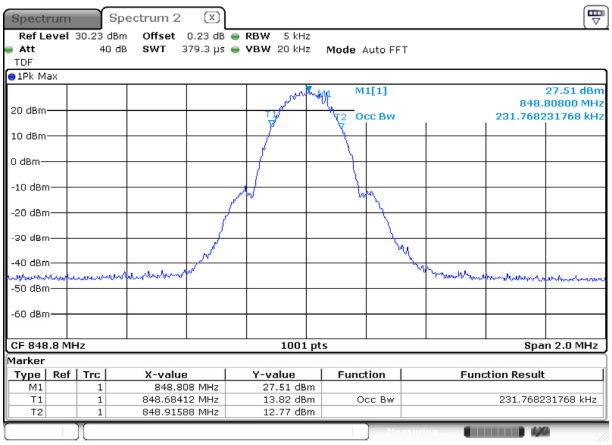
GPRS / Mid ch.



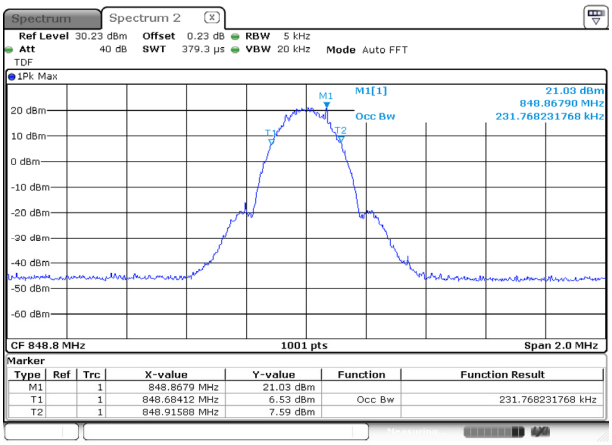
EDGE / Mid ch.



GPRS / High ch.

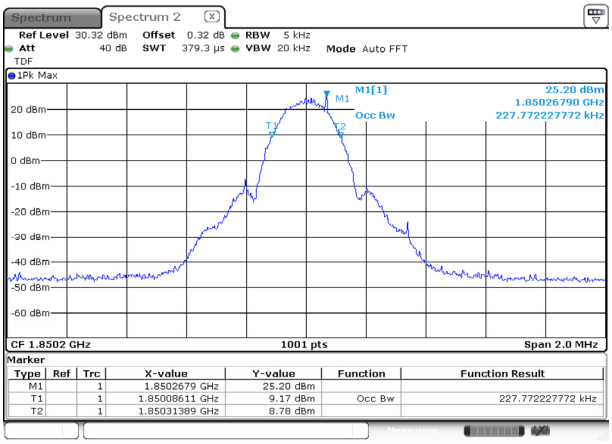


EDGE / High ch.

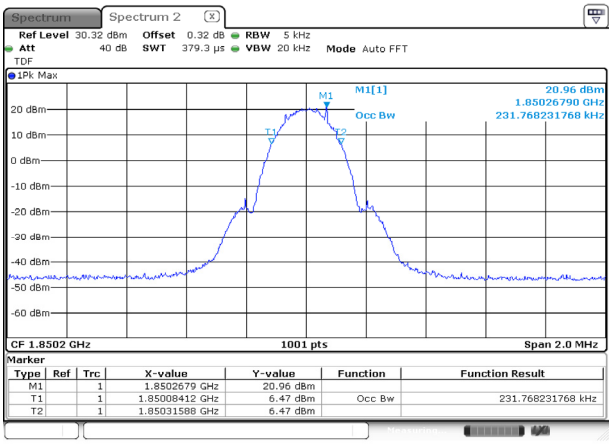


Test mode: GSM 1900

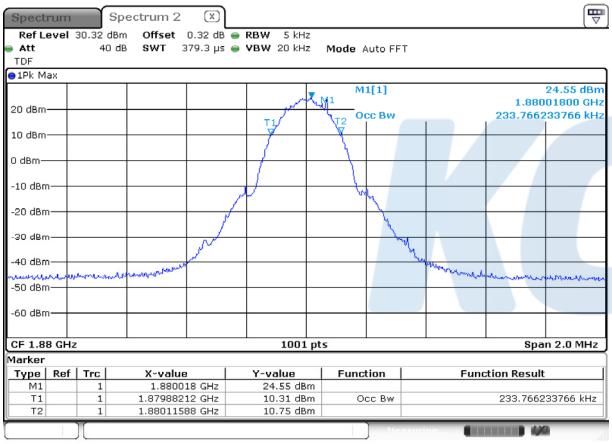
GPRS / Low ch.



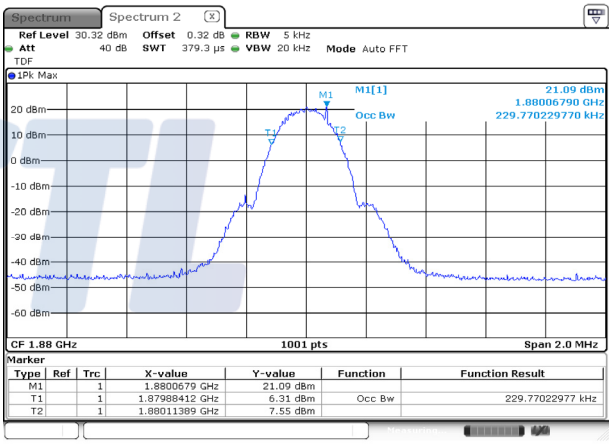
EDGE / Low ch.



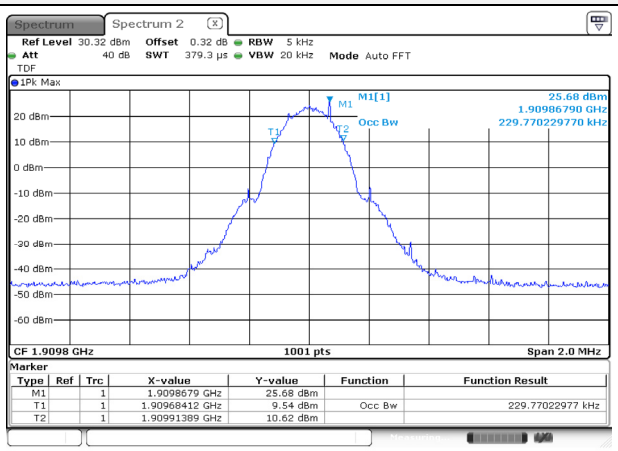
GPRS / Mid ch.



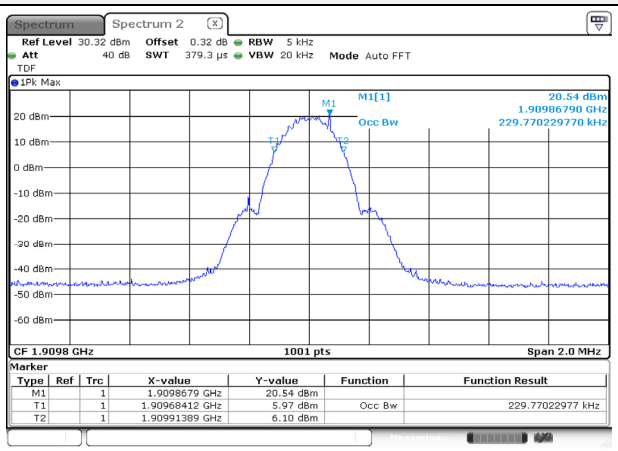
EDGE / Mid ch.



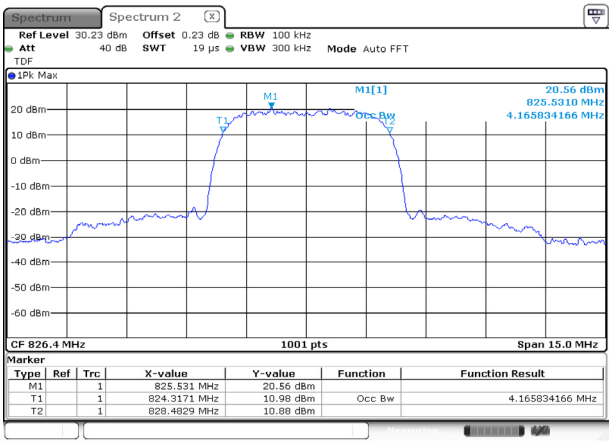
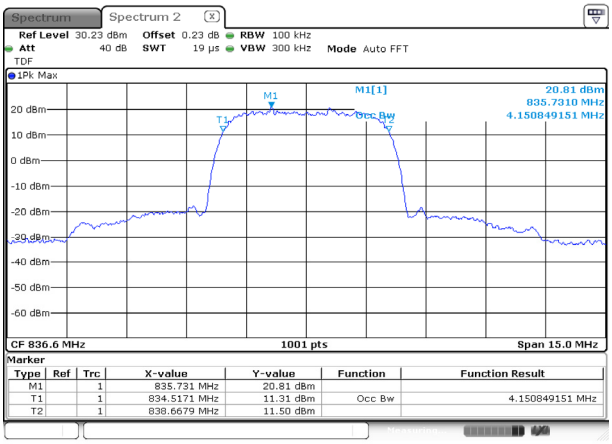
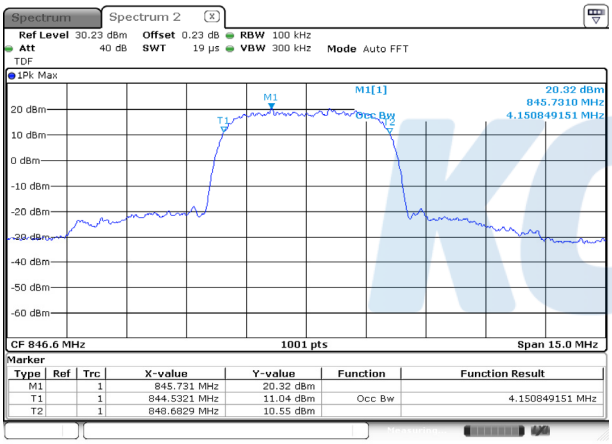
GPRS / High ch.



EDGE / High ch.

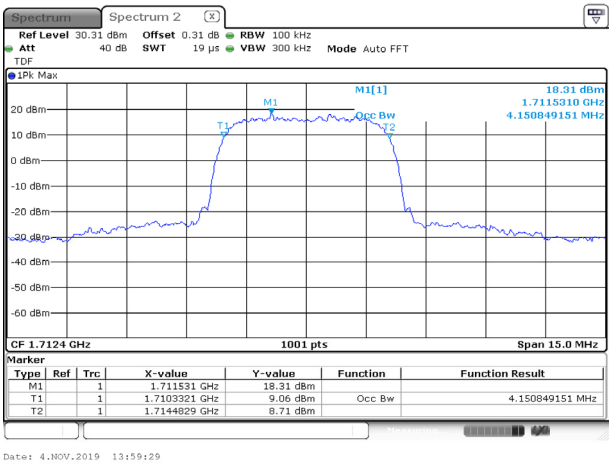


Test mode: WCDMA 850

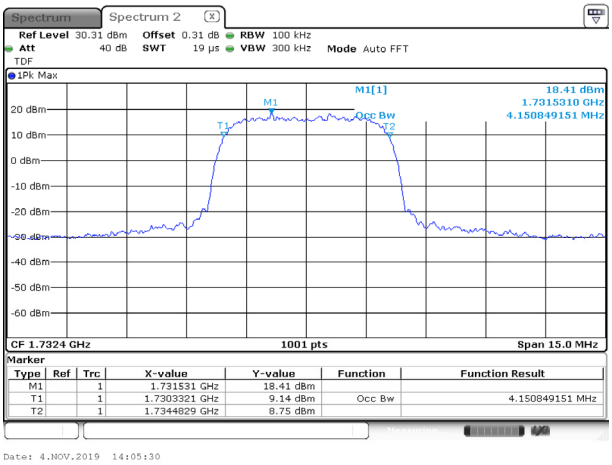
RMC / Low ch.	RMC / Mid ch.
	
RMC / High ch.	**-**
	Blank

Test mode: WCDMA 1700

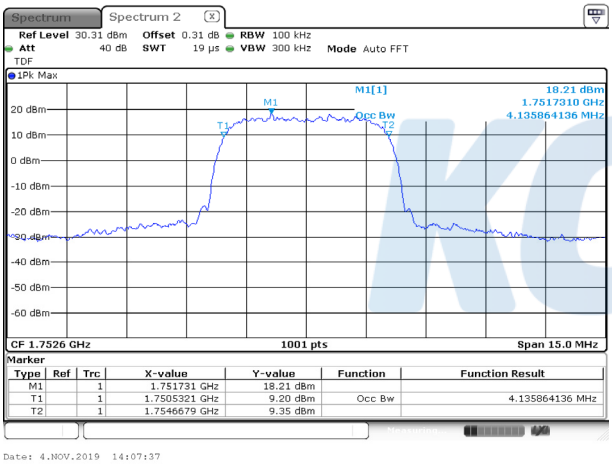
RMC / Low ch.



RMC / Mid ch.



RMC / High ch.



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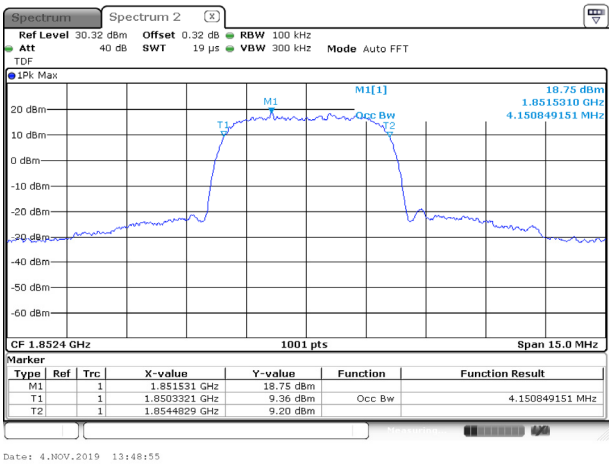
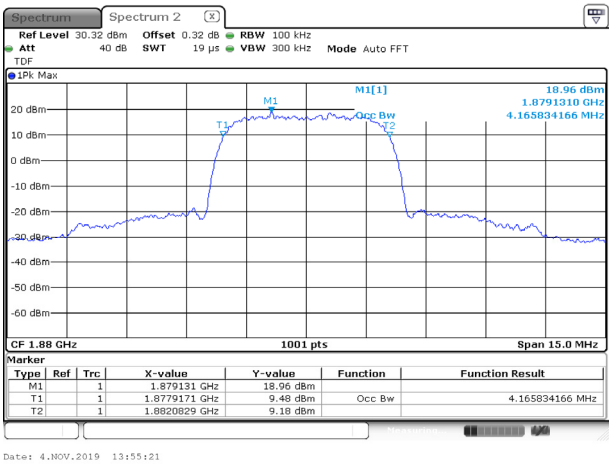
Blank

Test mode: WCDMA 1900

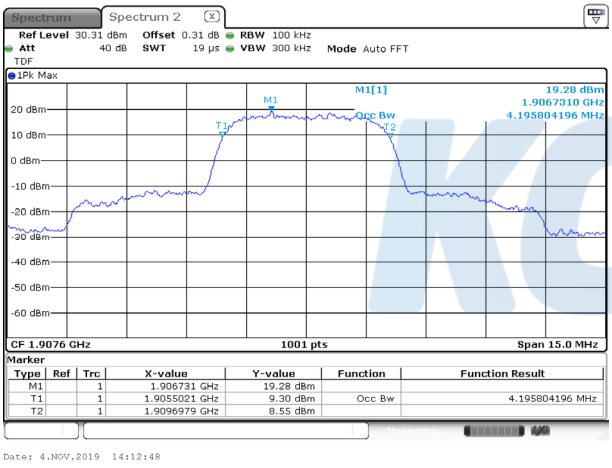
RMC / Low ch.



RMC / Mid ch.



RMC / Mid ch.



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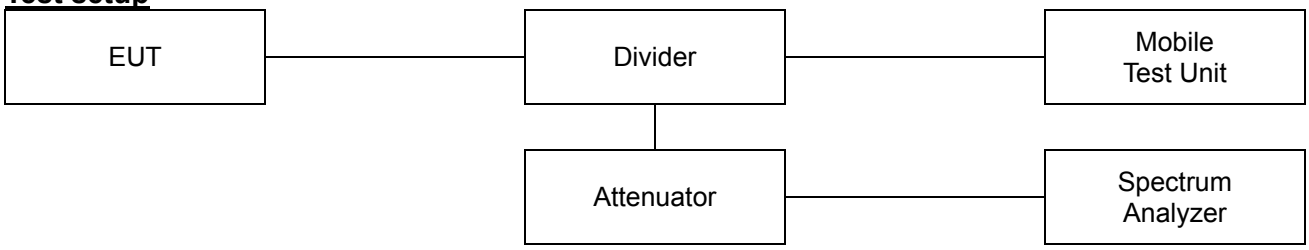
7.3. Spurious Emissions at Antenna Terminal

Test setup



Limit

According to §22.917(a), §24.238(a), 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 + 10log(P) ㏈.

According to §27.53(h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10log($P_{[watts]}$) ㏈.

Test procedure

971168 D01 v03r01 - Section 6
ANSI 63.26-2015 – Section 5.7

Test settings

1) Start frequency was set to 30 ㎒ and stop frequency was set to at least 10th the fundamental frequency.
2) Detector = RMS
3) Sweep time = auto couple.
4) Trace mode = trace average
5) Allow trace to fully stabilize.
6) Please see test notes below RBW and VBW settings.

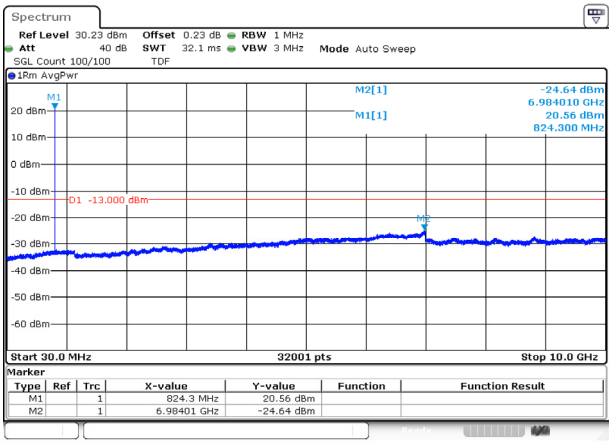
Notes:

1. Per 22.917(b), 24.238(b), 27.53(h), compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 ㎑ or greater for frequencies less than 1 ㎓ and 1 ㎒ or greater for frequencies greater than 1 ㎓.
   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 ㏈ below the transmitter power.

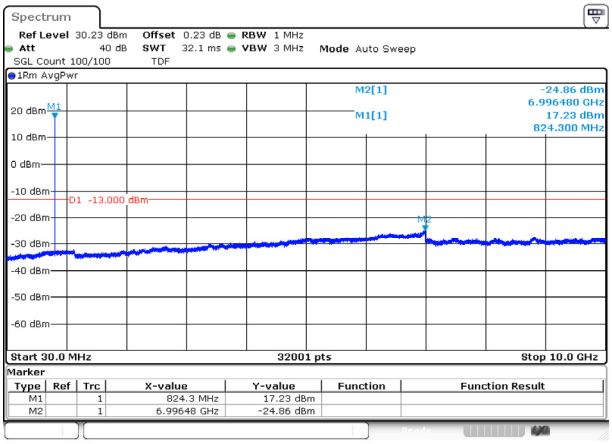
Test results

Test mode: GSM 850

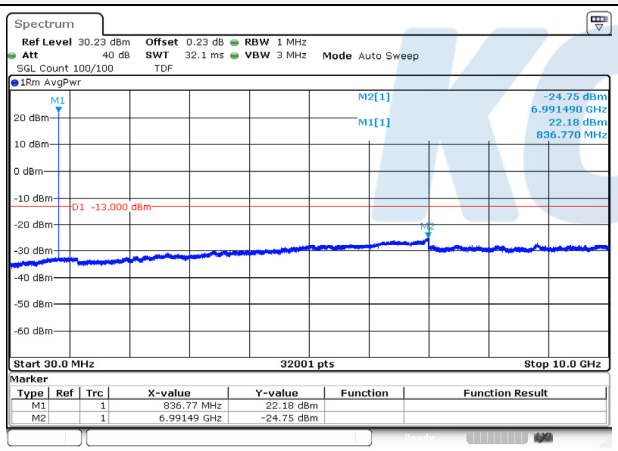
GPRS / Low ch.



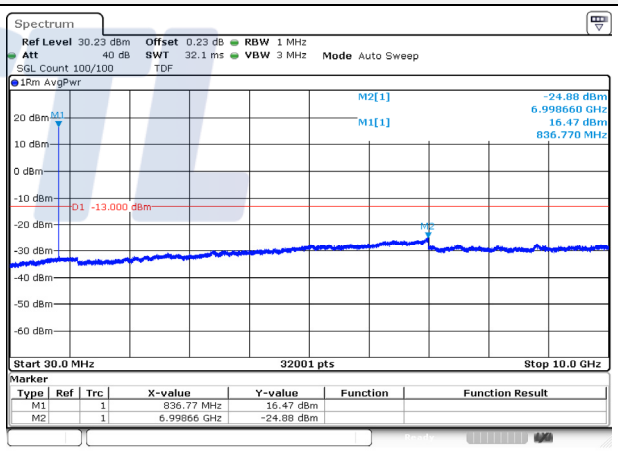
EDGE / Low ch.



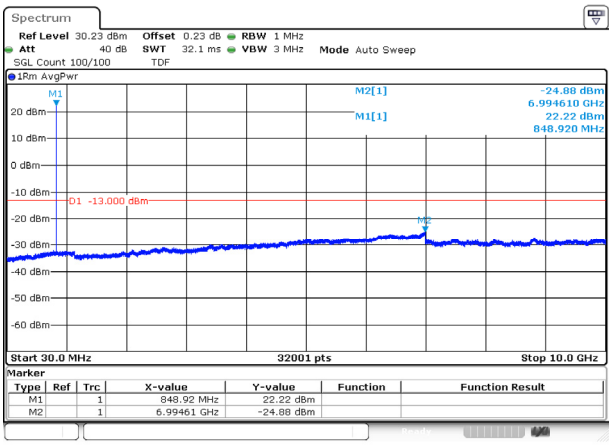
GPRS / Mid ch.



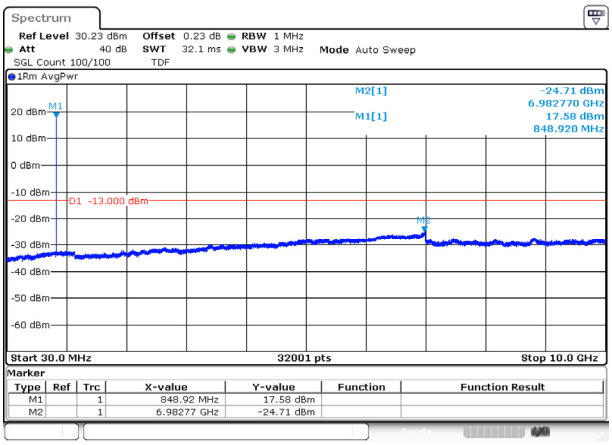
EDGE / Mid ch.



GPRS / High ch.

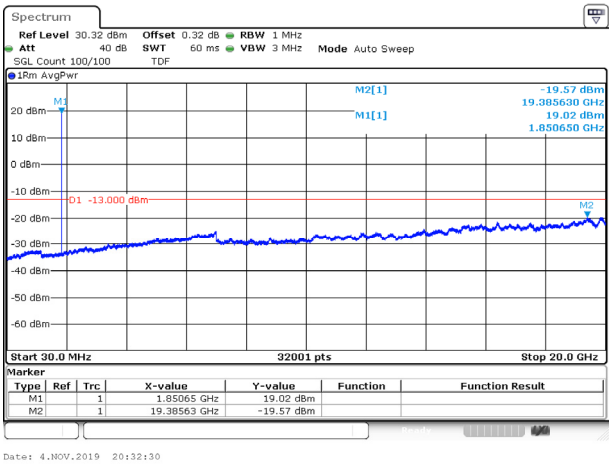


EDGE / High ch.

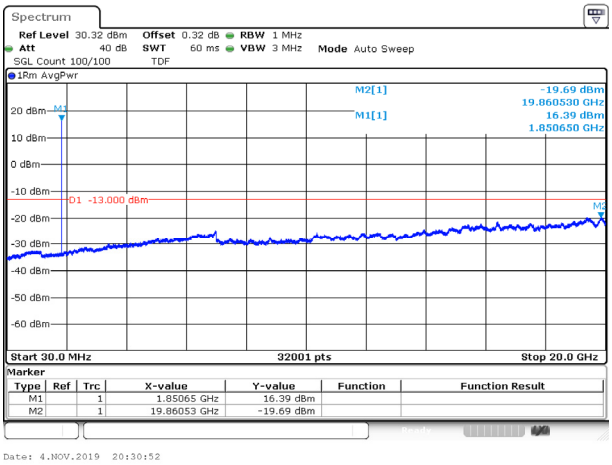


Test mode: GSM 1900

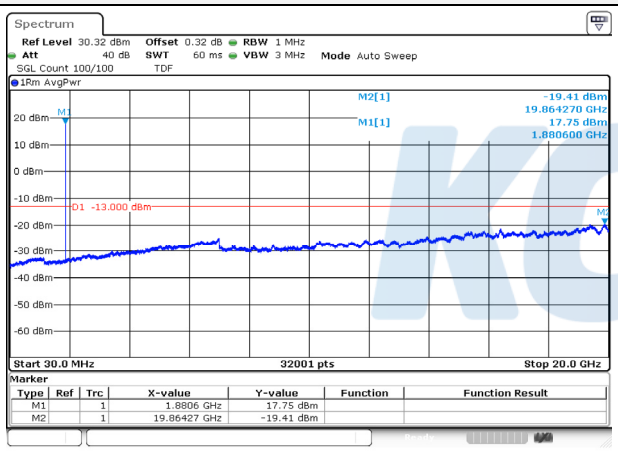
GPRS / Low ch.



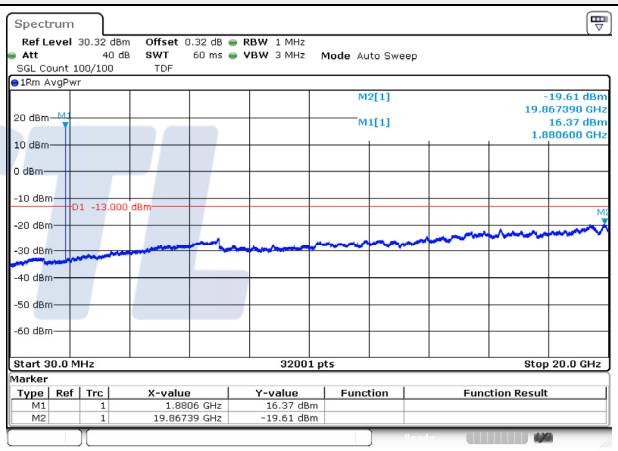
EDGE / Low ch.



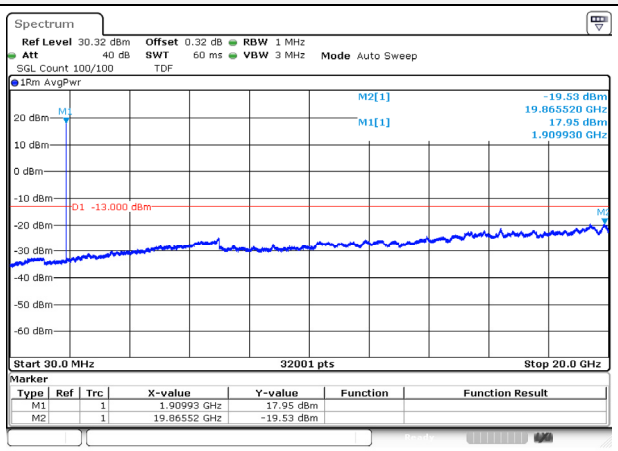
GPRS / Mid ch.



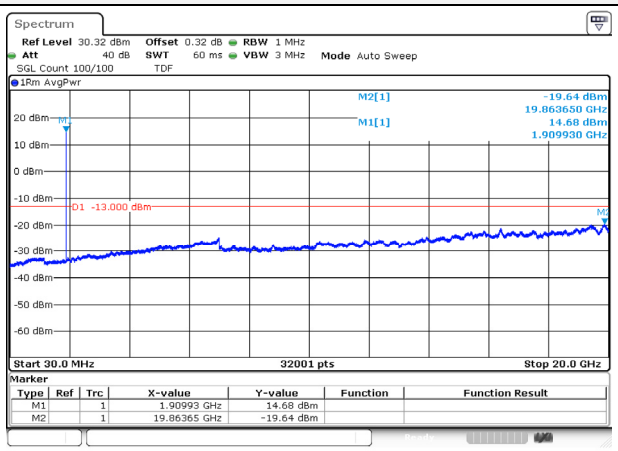
EDGE / Mid ch.



GPRS / High ch.

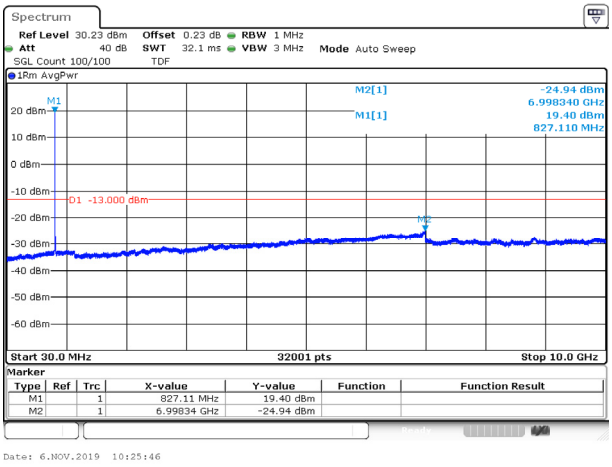


EDGE / High ch.

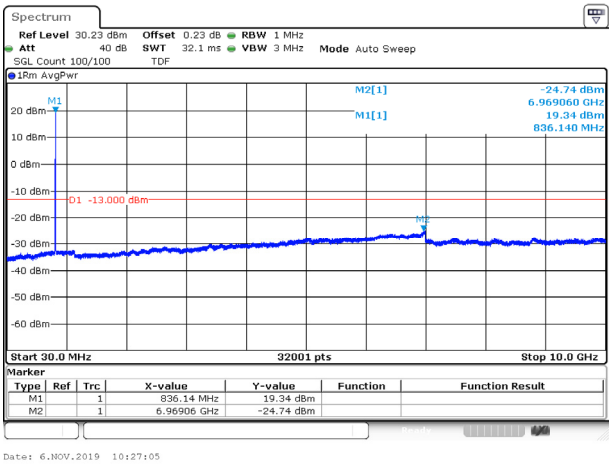


Test mode: WCDMA 850

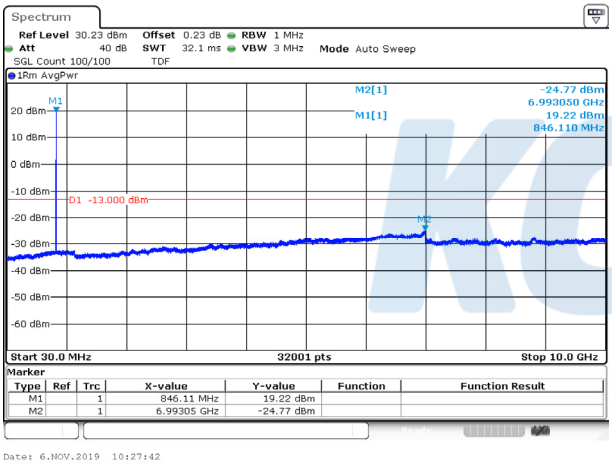
RMC / Low ch.



RMC / Mid ch.



RMC / High ch.



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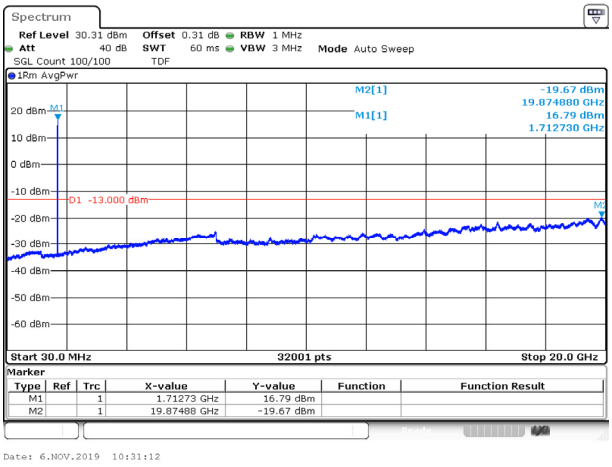
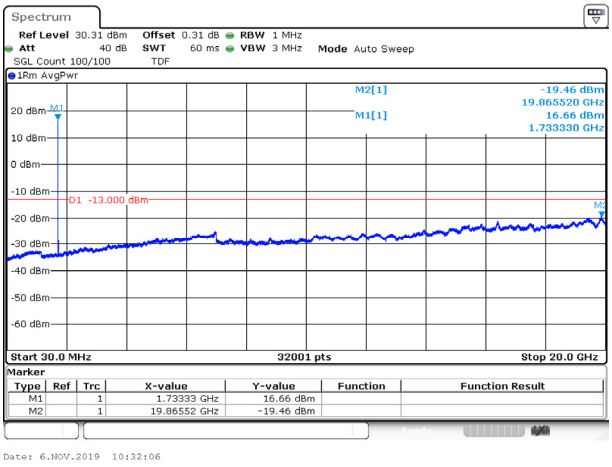
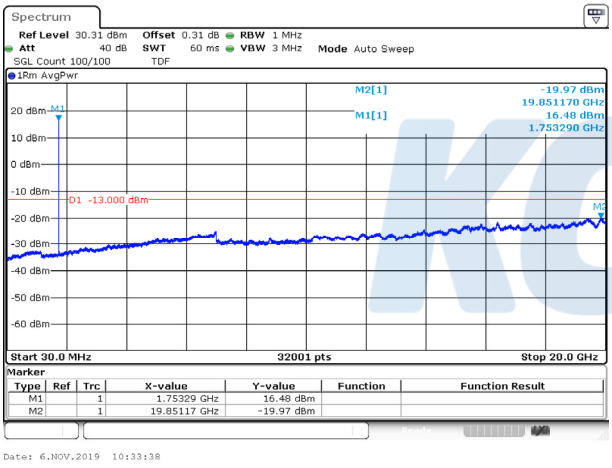
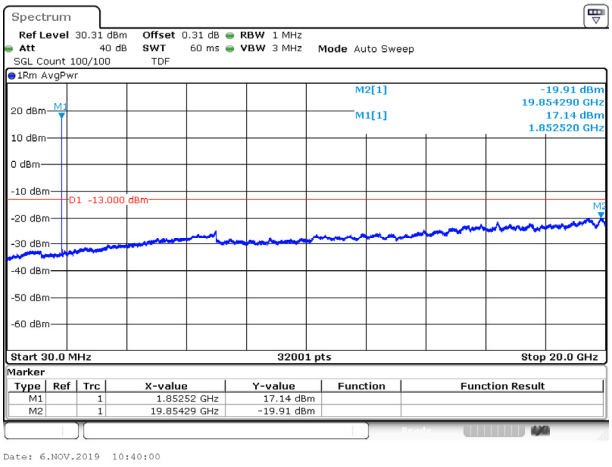
Test mode: WCDMA 1700

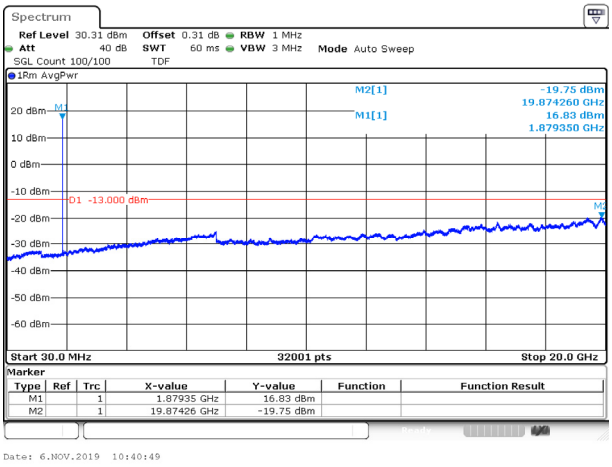
RMC / Low ch.	RMC / Mid ch.
	
RMC / High ch.	**-**
	Blank

Test mode: WCDMA 1900

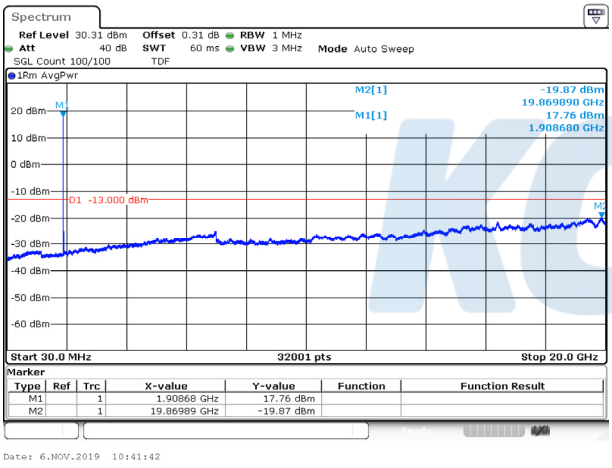
RMC / Low ch.



RMC / Mid ch.



RMC / High ch.



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