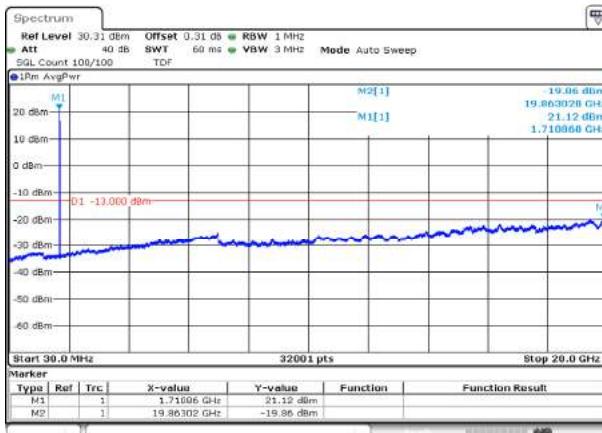
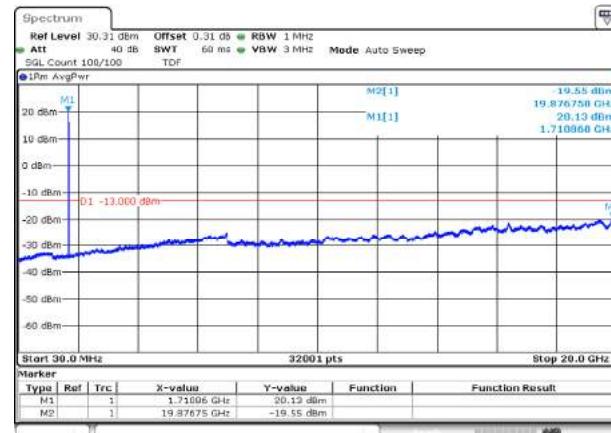


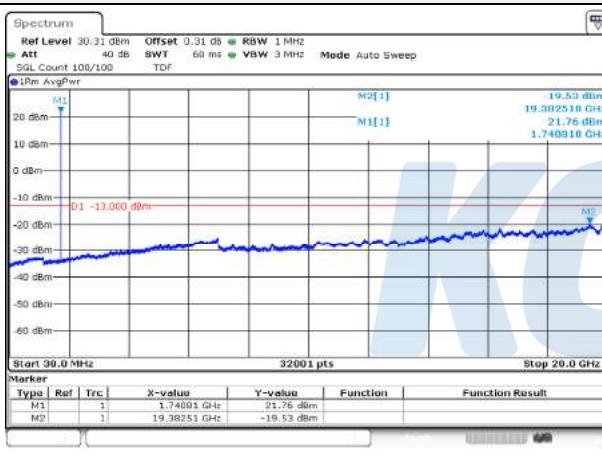
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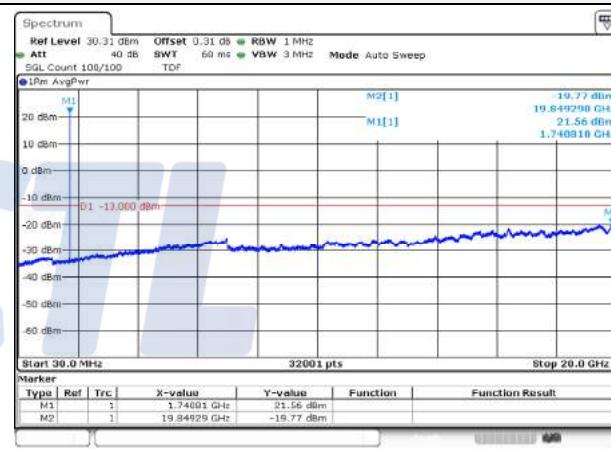
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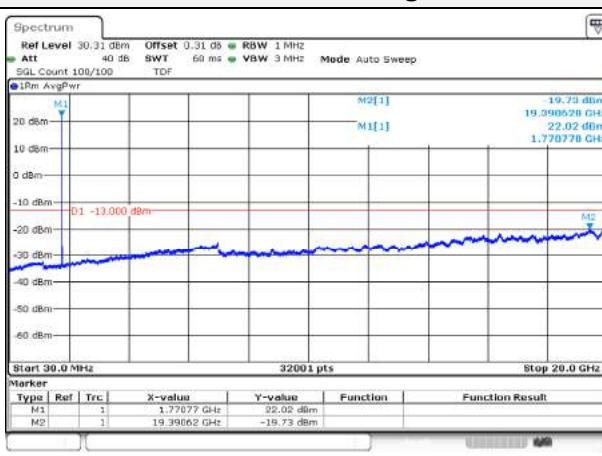
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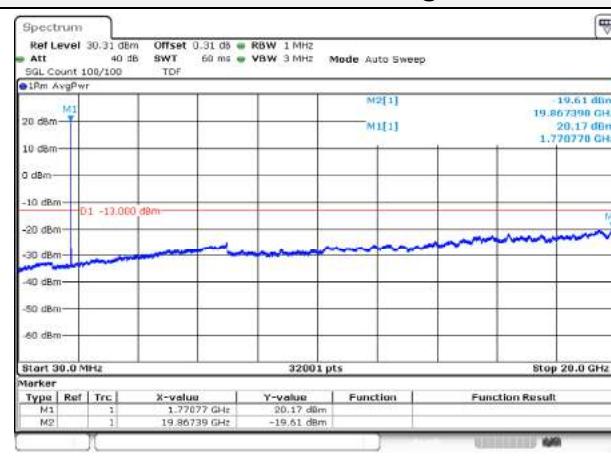
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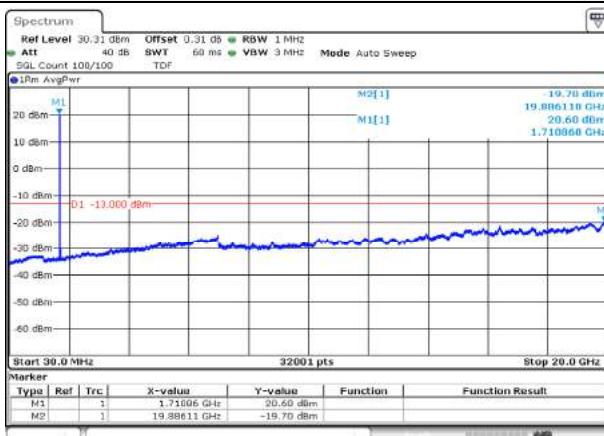
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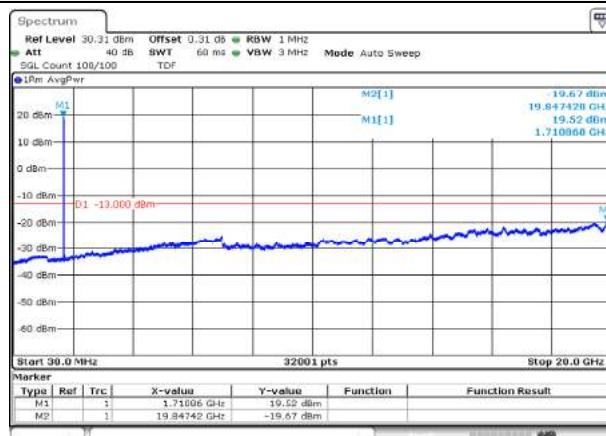
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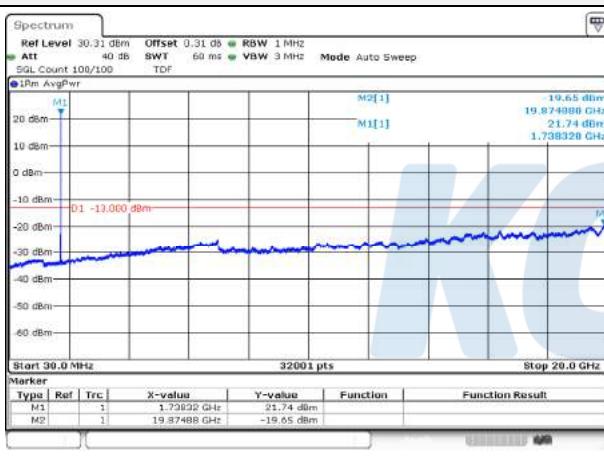
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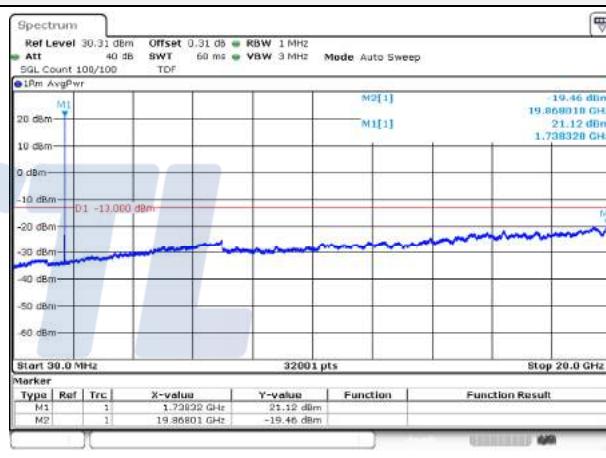
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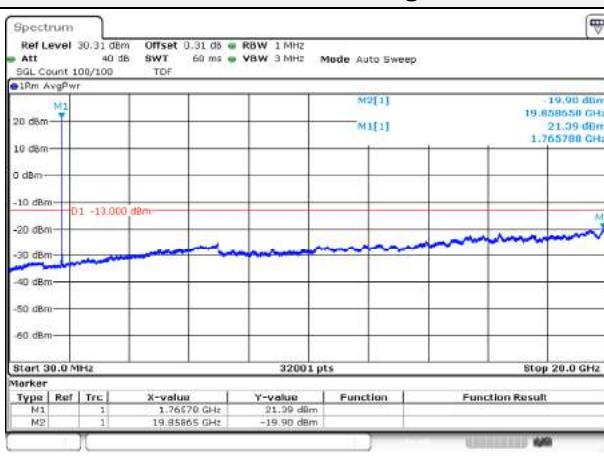
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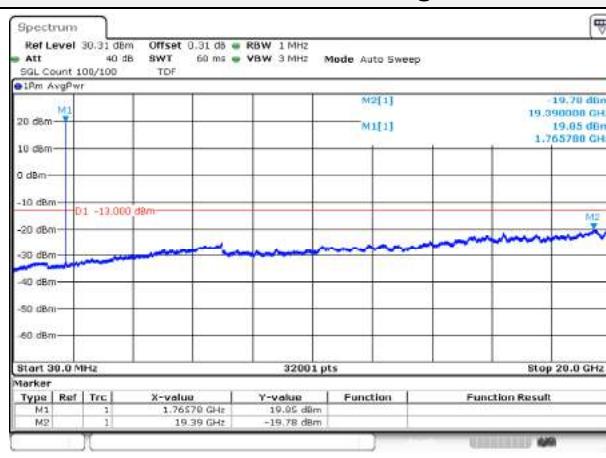
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15M BW / QPSK / High ch.



15M BW / 16QAM / High ch.



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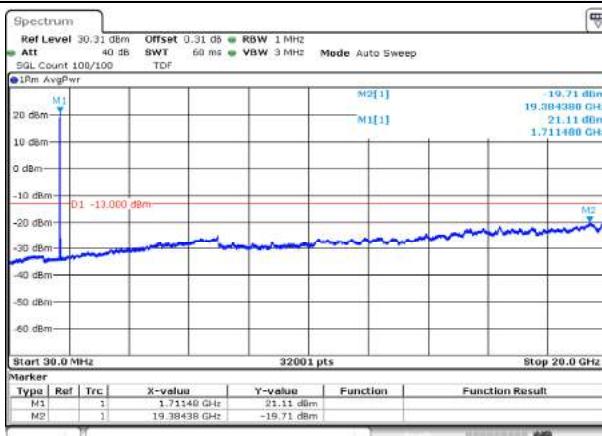
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Suwon-si, Gyeonggi-do, 16677, Korea
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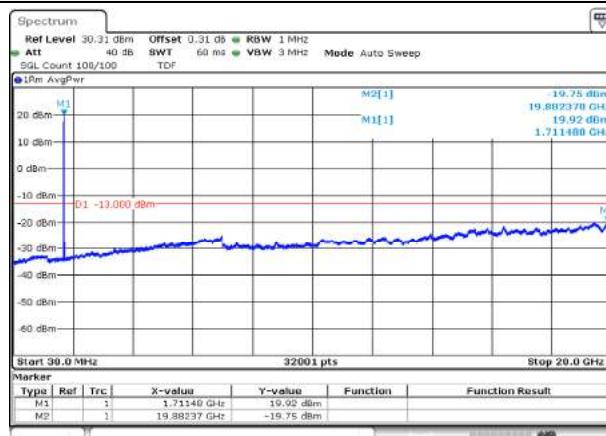
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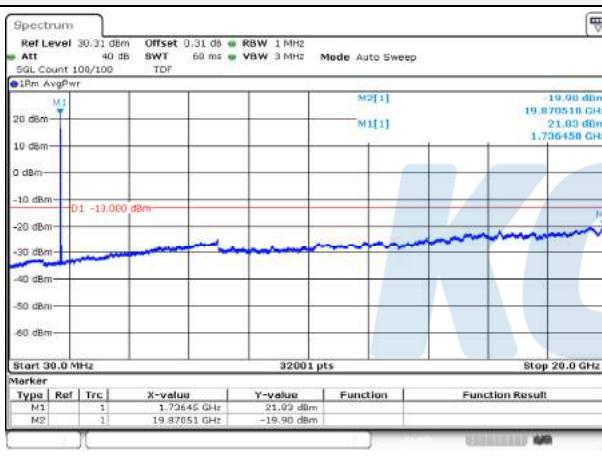
20M BW / QPSK / Low ch.



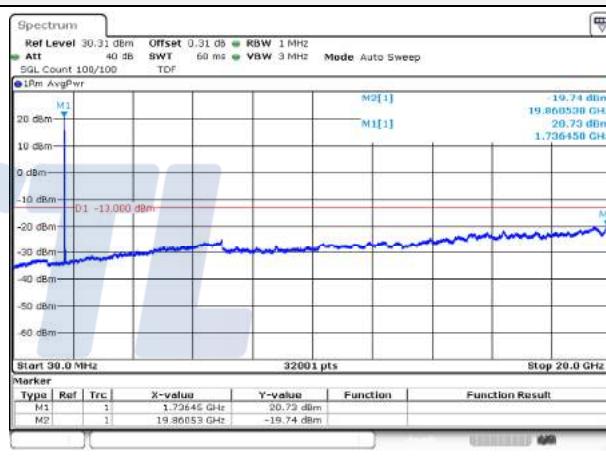
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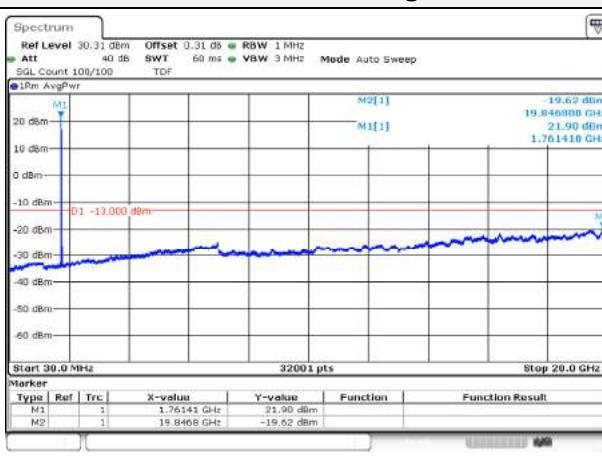
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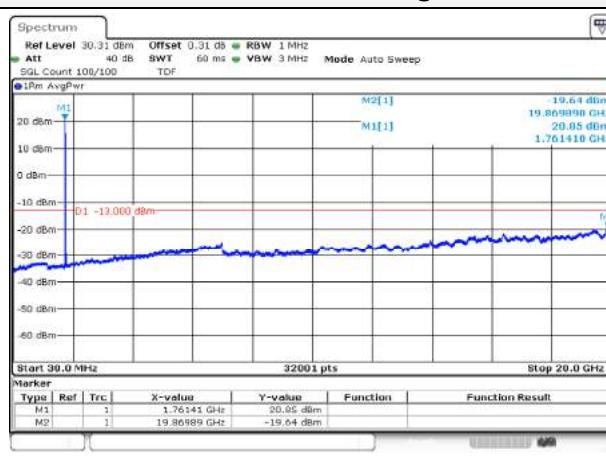
20M BW / 16QAM / Mid ch.



20M BW / QPSK / High ch.



20M BW / 16QAM / High ch.



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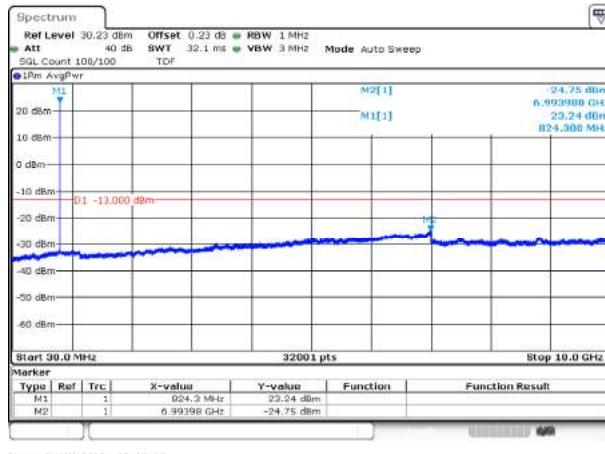
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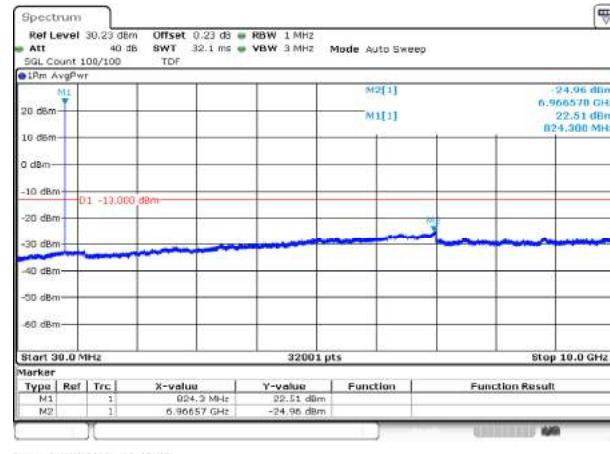
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Test mode: LTE Band 5

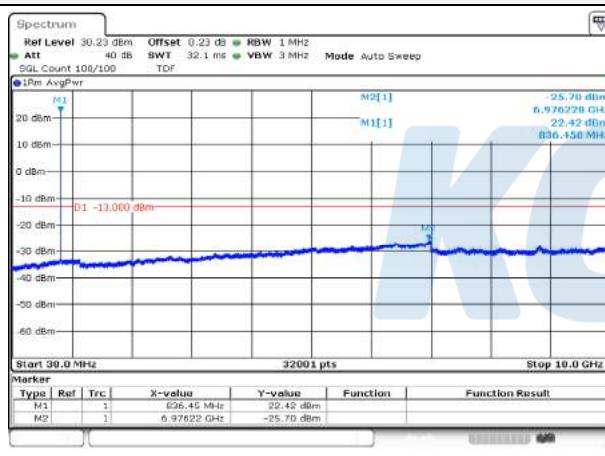
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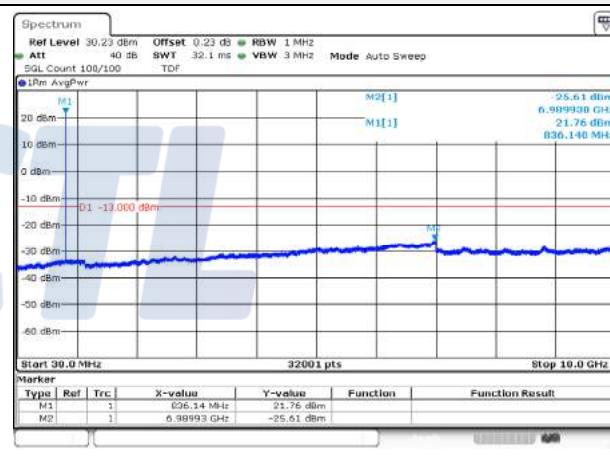
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1.4M BW / QPSK / Mid ch.



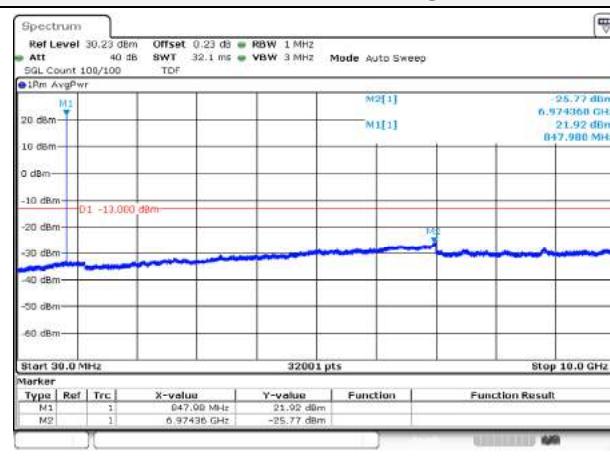
1.4M BW / 16QAM / Mid ch.



1.4M BW / QPSK / High ch.



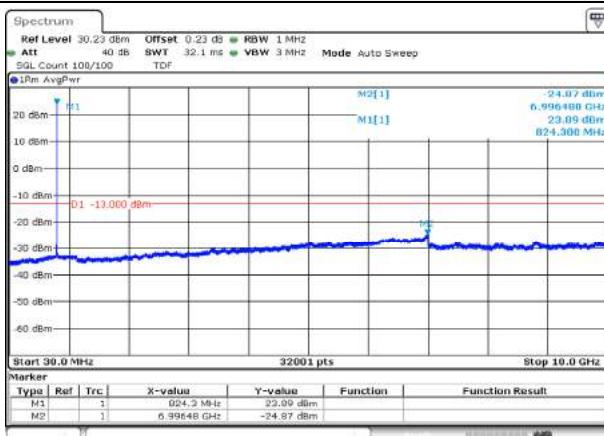
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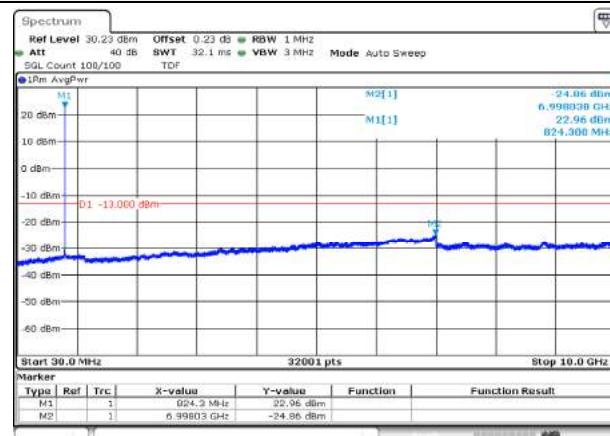
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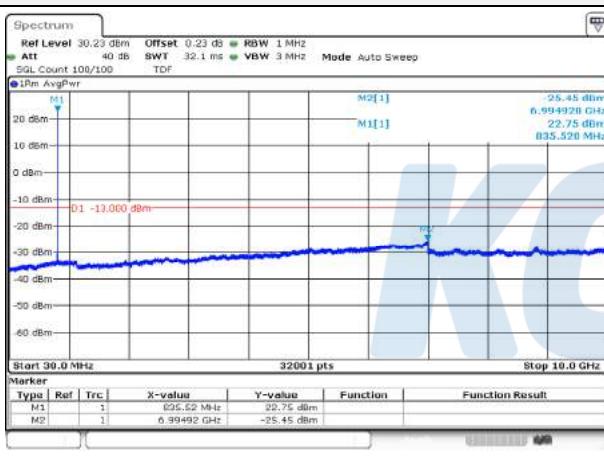
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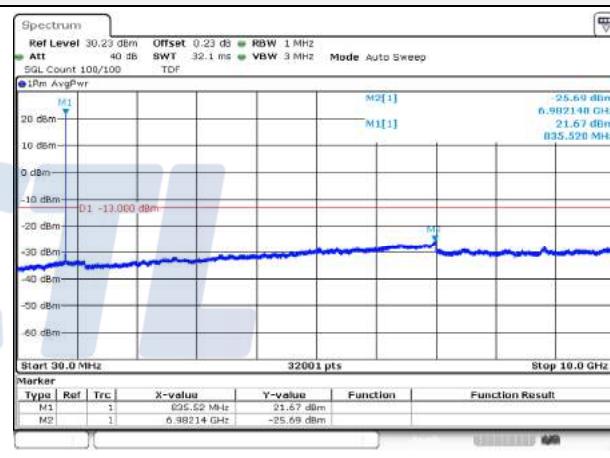
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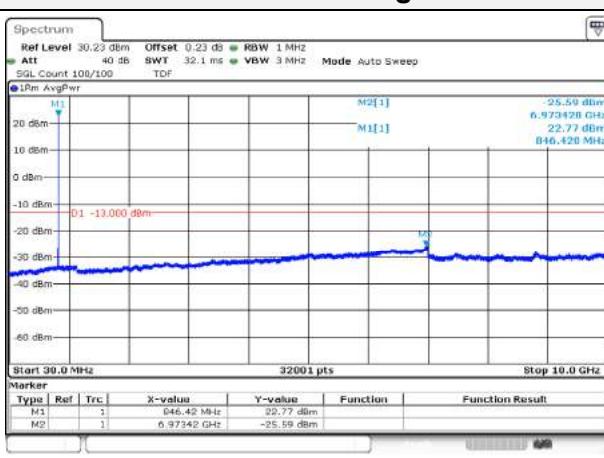
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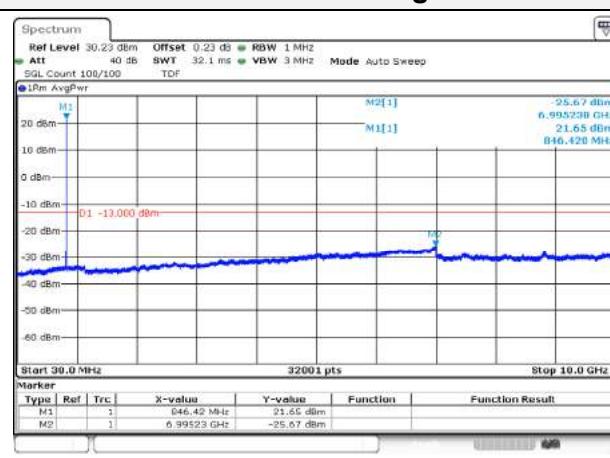
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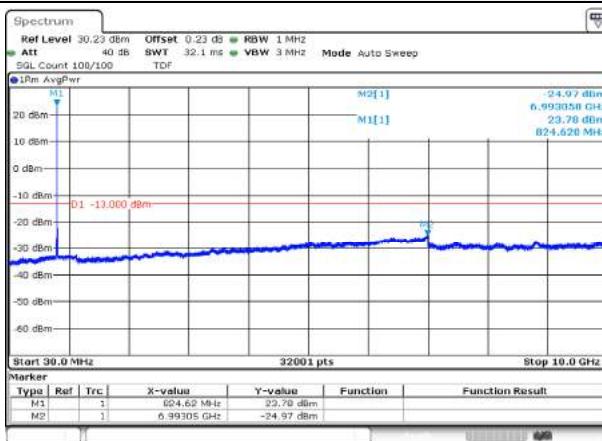
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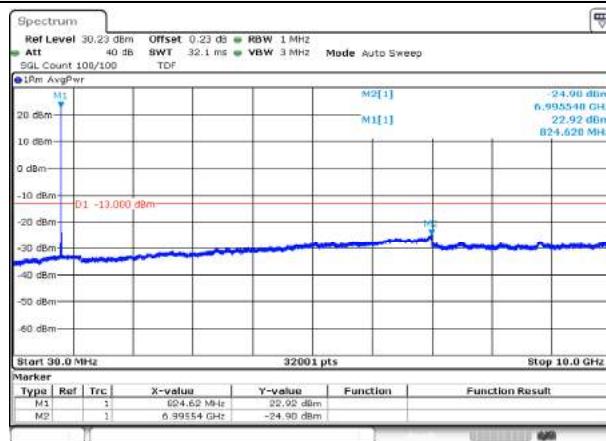
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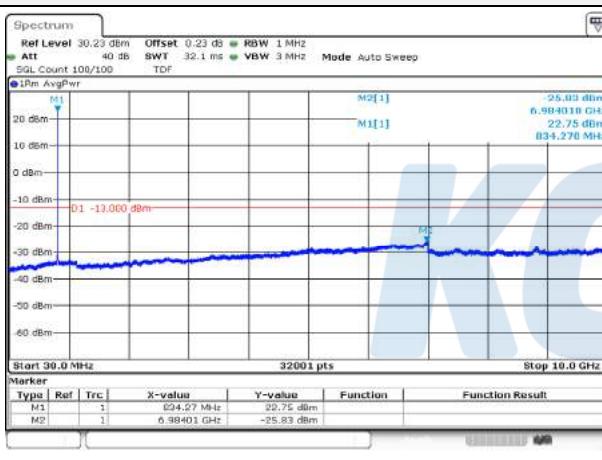
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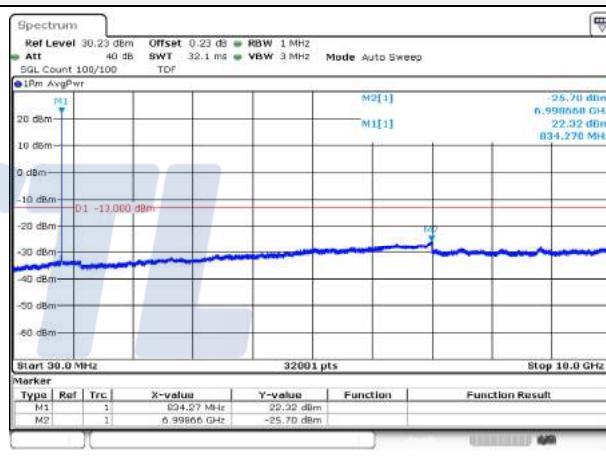
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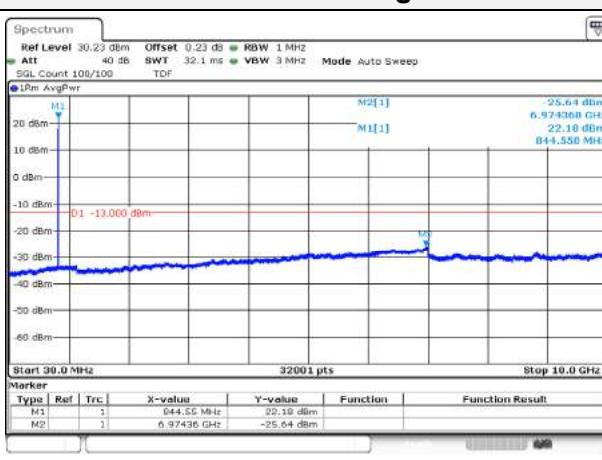
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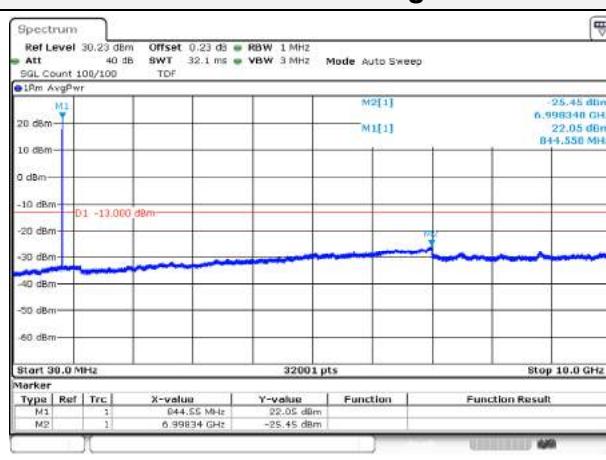
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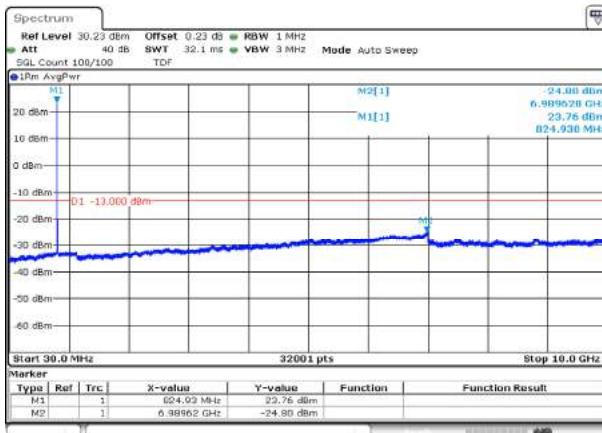
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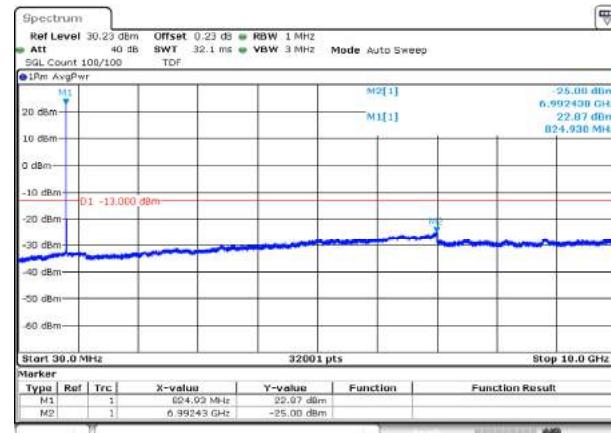
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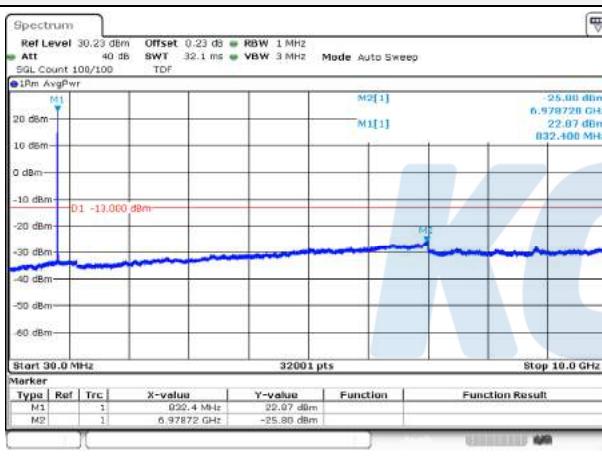
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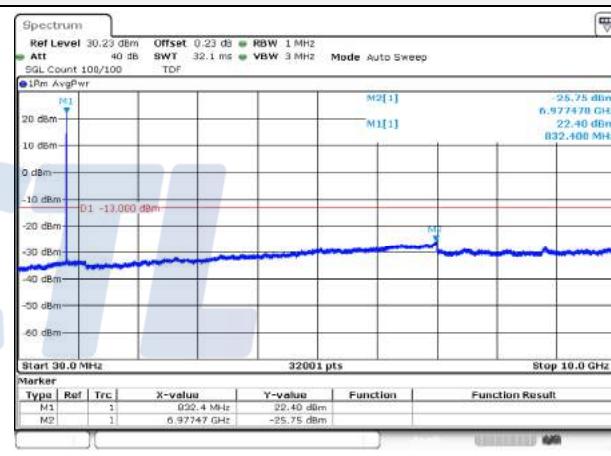
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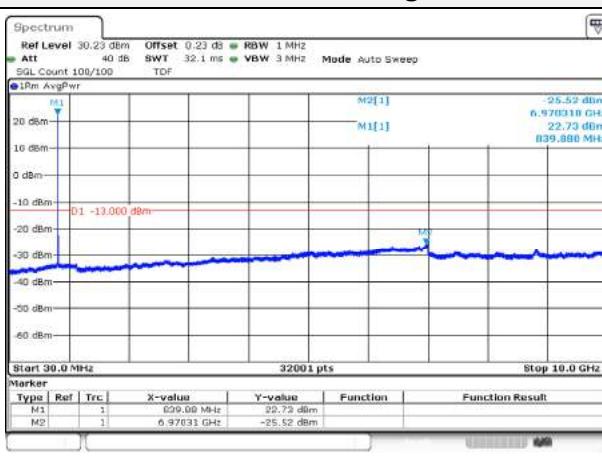
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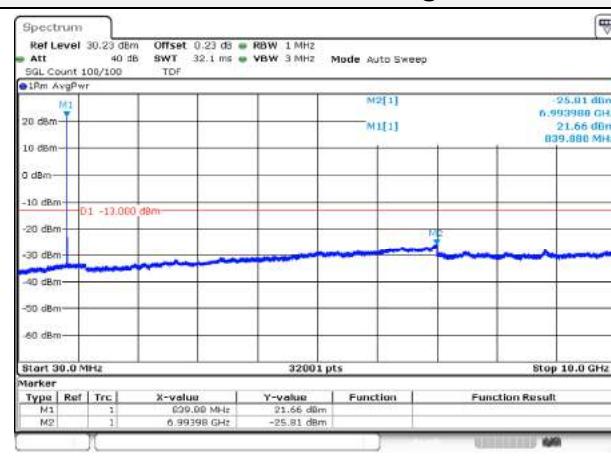
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10M BW / QPSK / High ch.

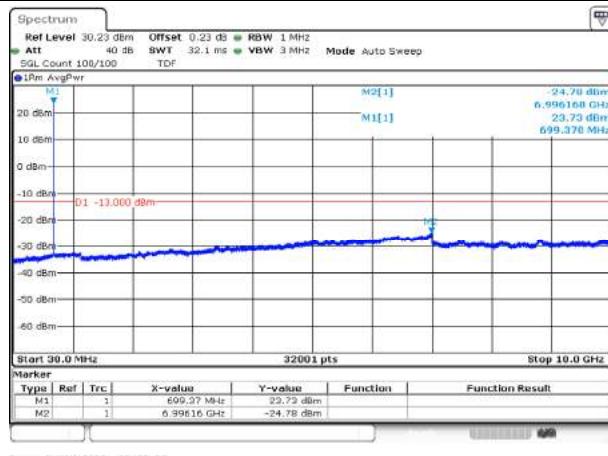


10M BW / 16QAM / High ch.

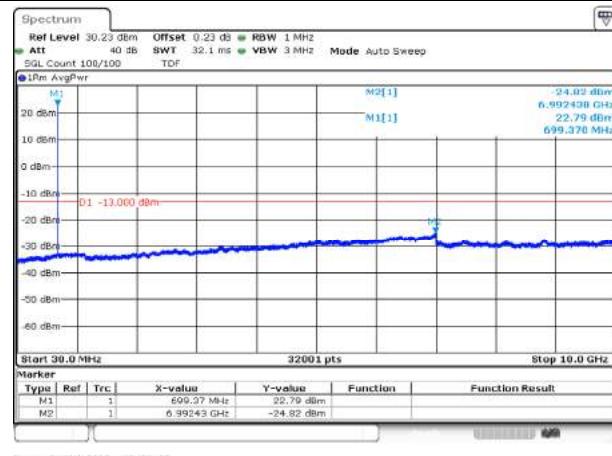


Test mode: LTE Band 12

1.4M BW / QPSK / Low ch.



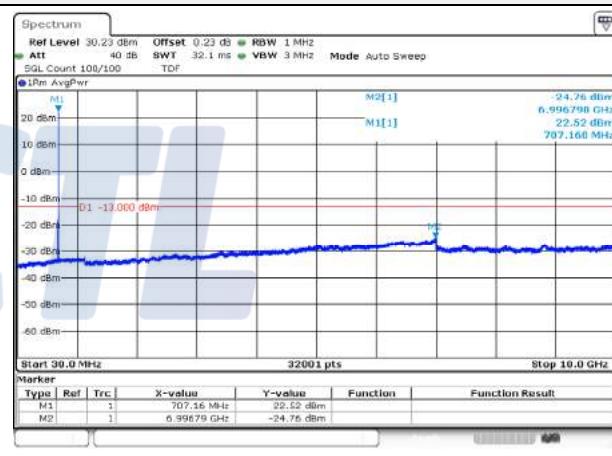
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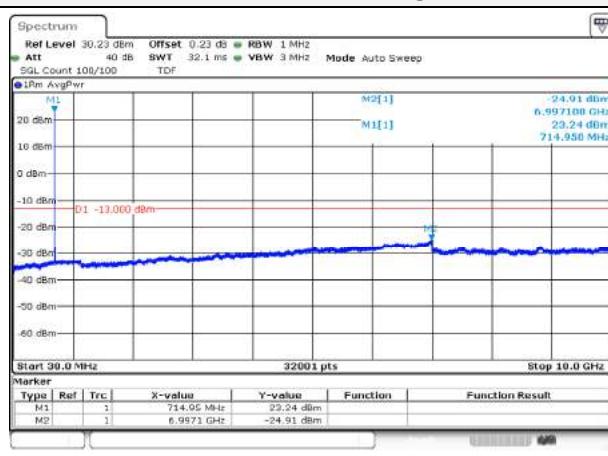
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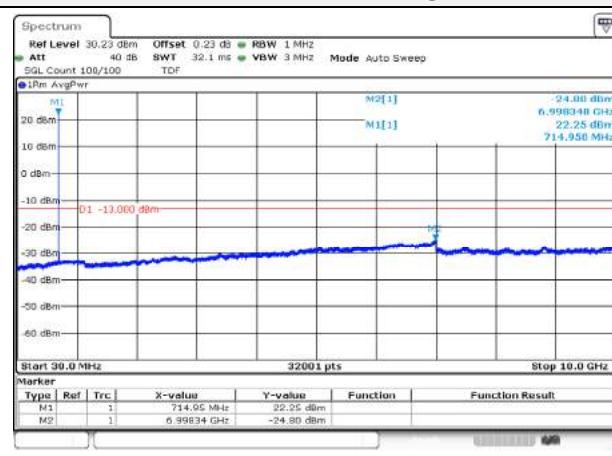
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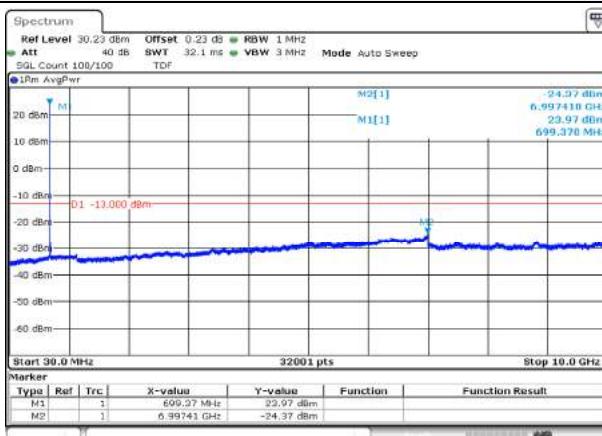
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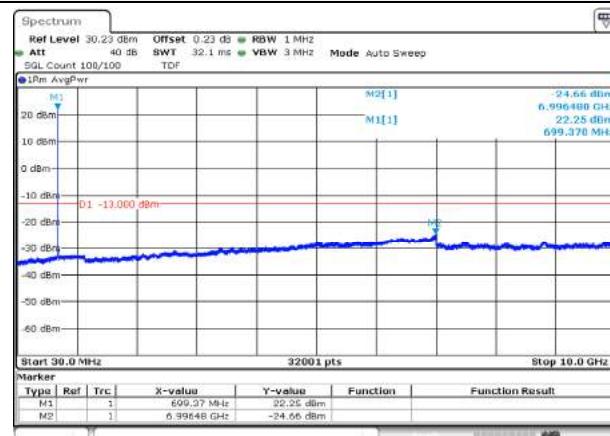
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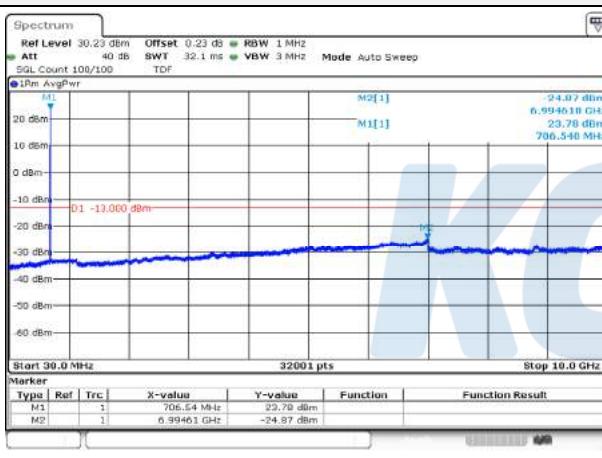
3M BW / QPSK / Low ch.



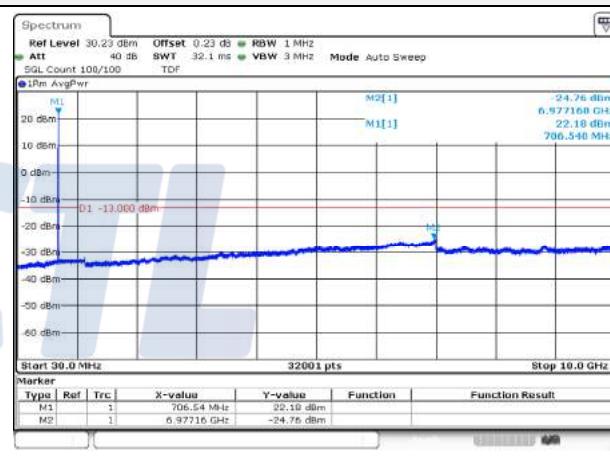
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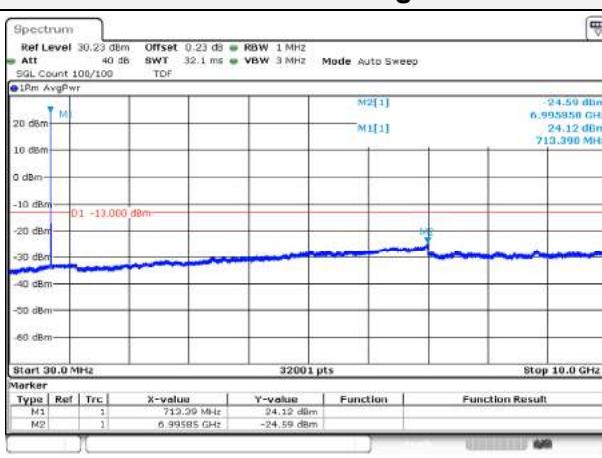
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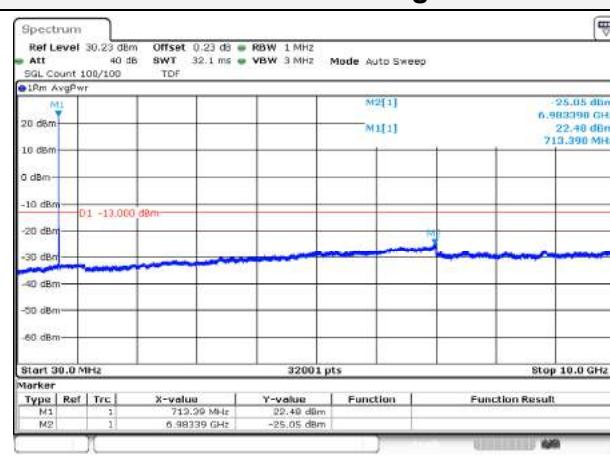
3M BW / 16QAM / Mid ch.



3M BW / QPSK / High ch.

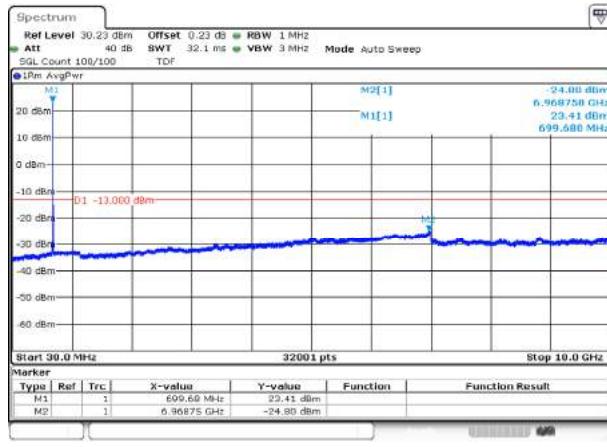


3M BW / 16QAM / High ch.

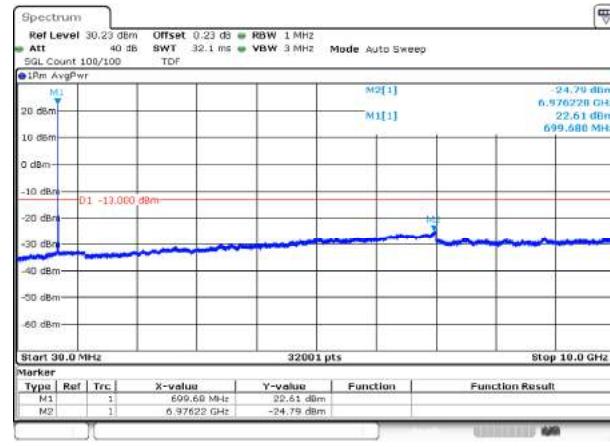


Test mode: LTE Band 12/17

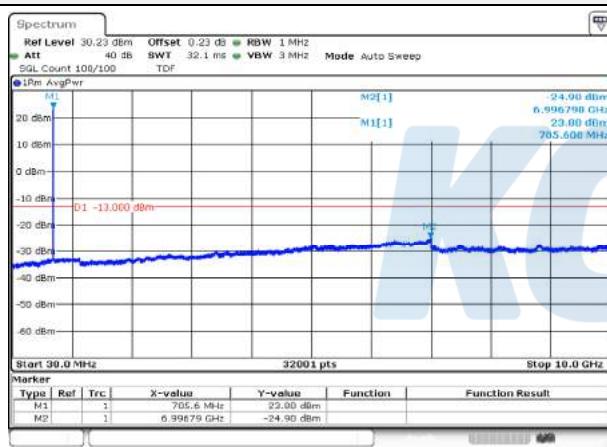
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5M BW / 16QAM / Low ch.



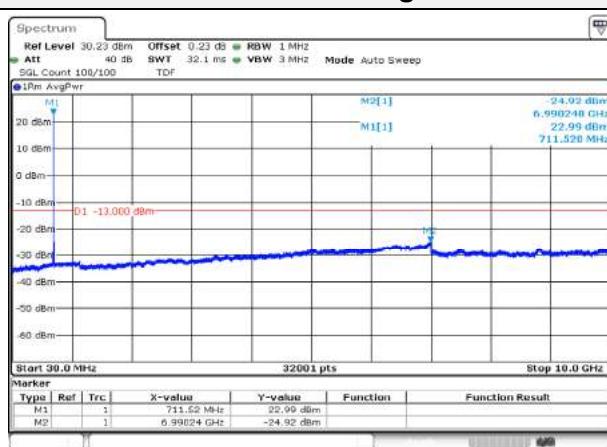
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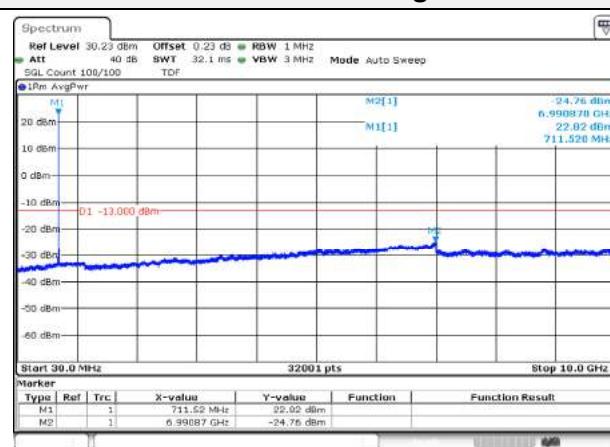
5M BW / 16QAM / Mid ch.



5M BW / QPSK / High ch.



5M BW / 16QAM / High ch.



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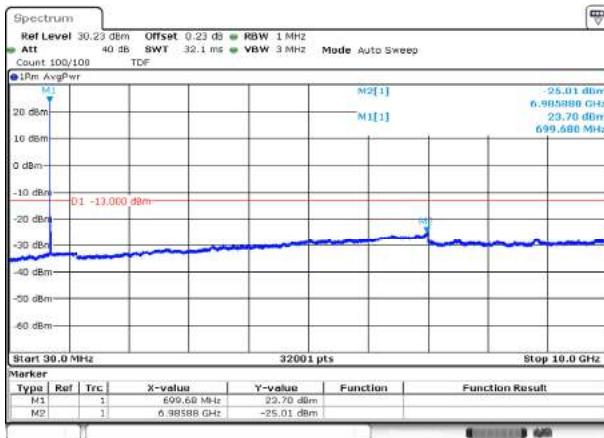
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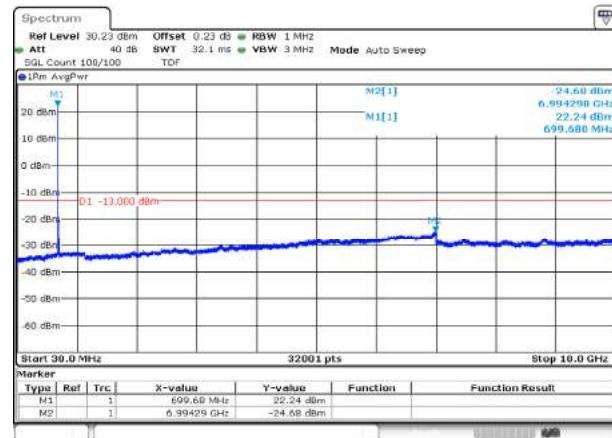
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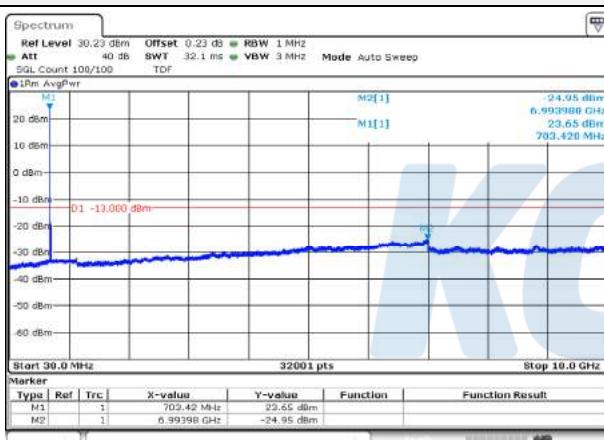
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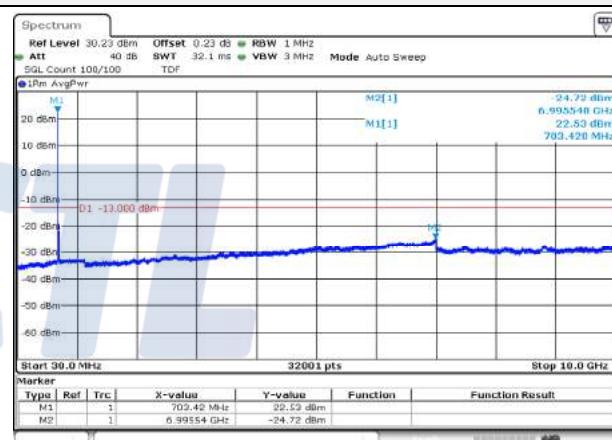
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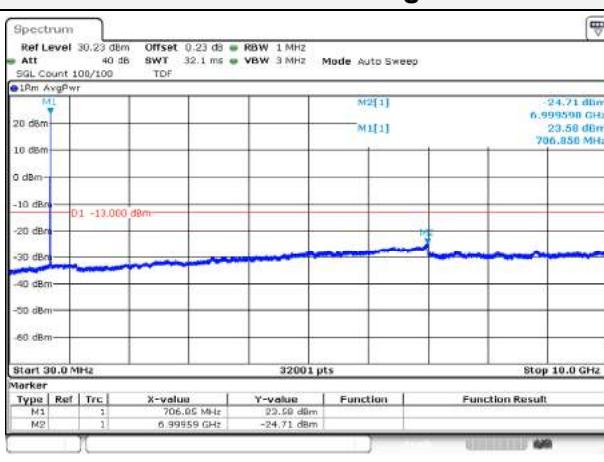
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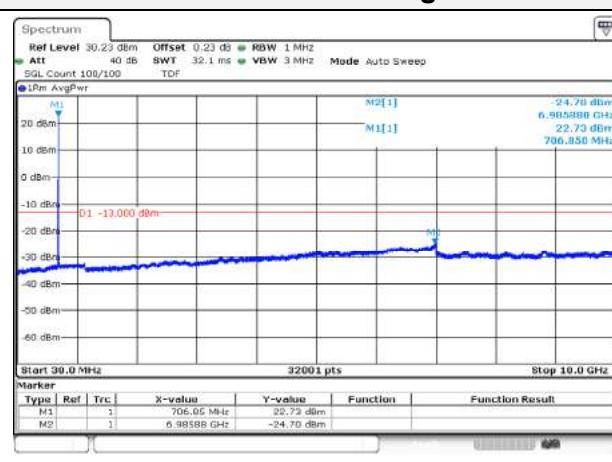
10M BW / 16QAM / Mid ch.



10M BW / QPSK / High ch.



10M BW / 16QAM / High ch.



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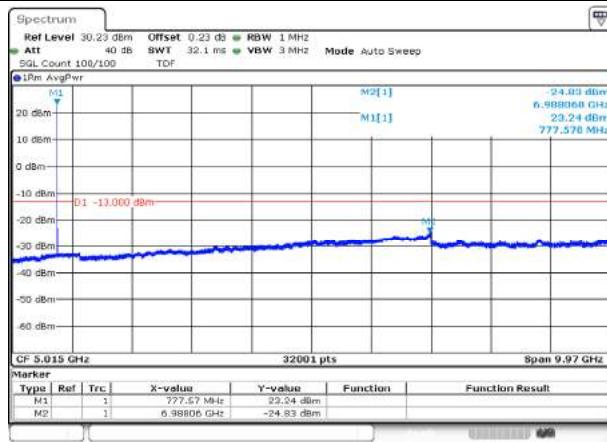
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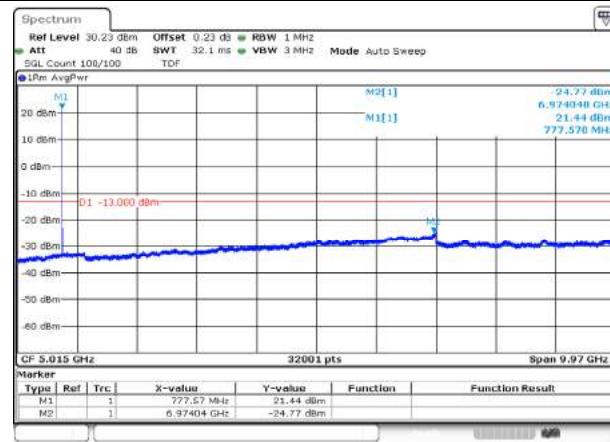
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Test mode: LTE Band 13

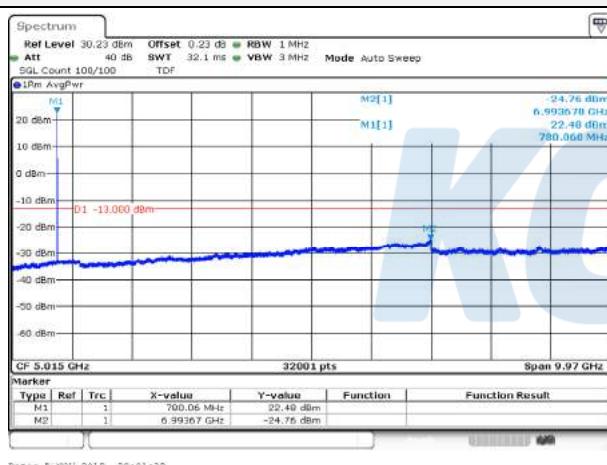
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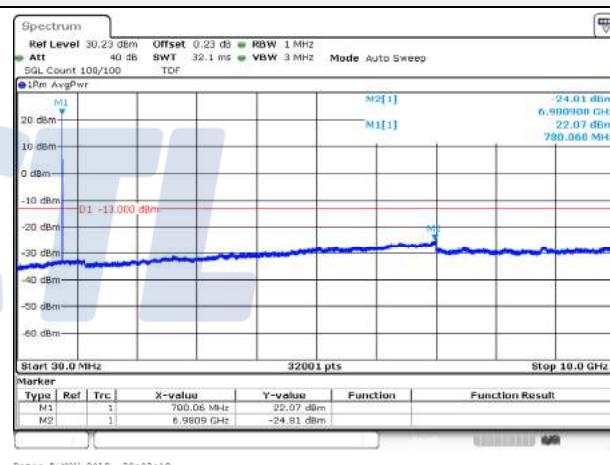
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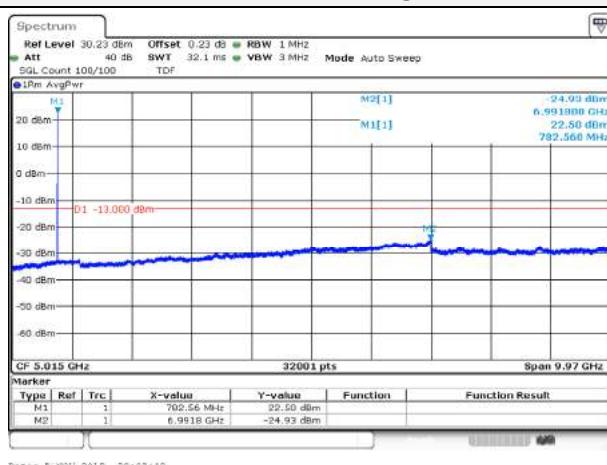
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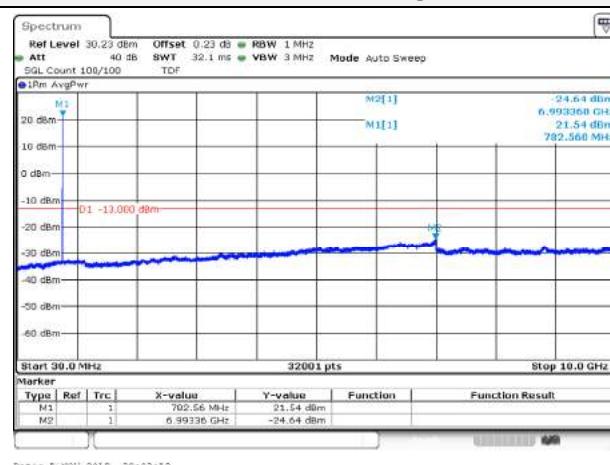
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5M BW / QPSK / High ch.

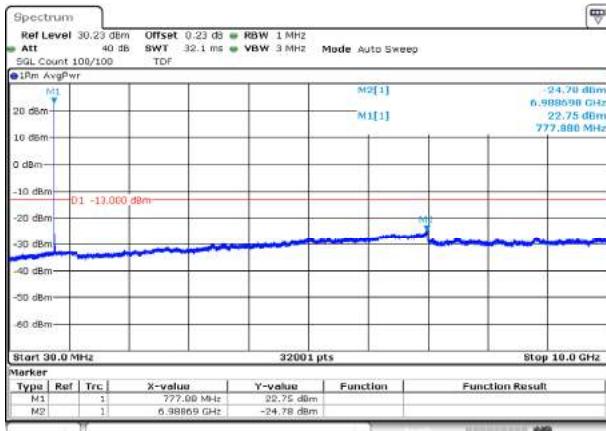
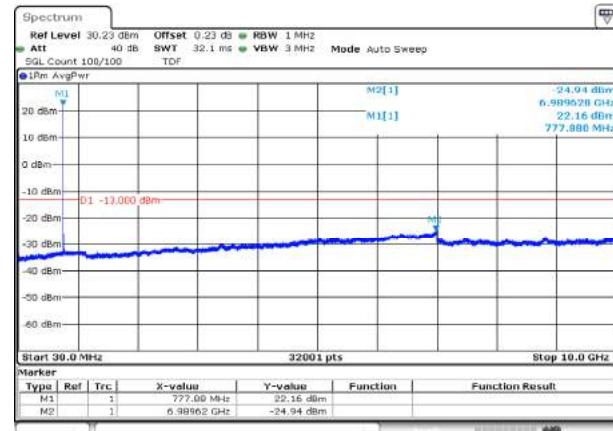


5M BW / 16QAM / High ch.



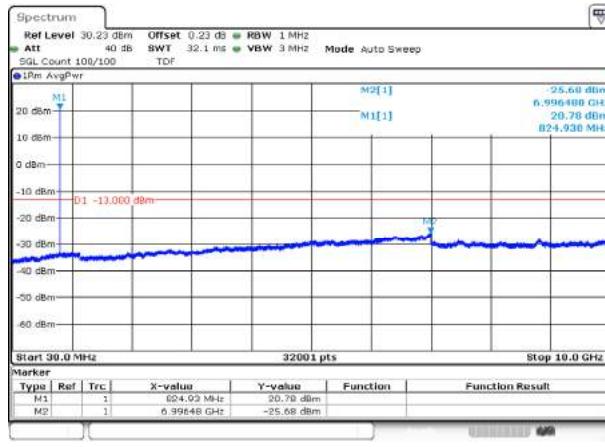
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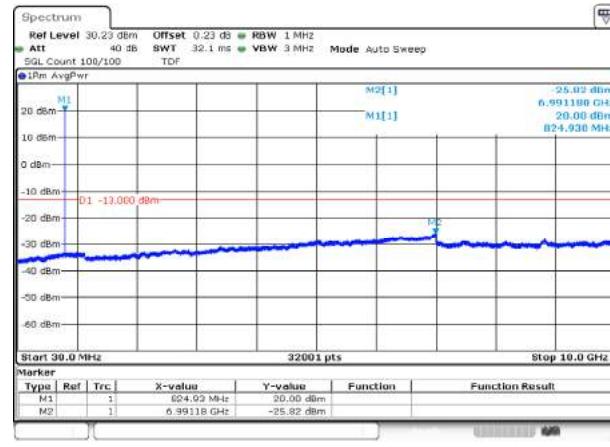
10M BW / QPSK / Mid ch.**10M BW / 16QAM / Mid ch.**

Test mode: LTE Band 26

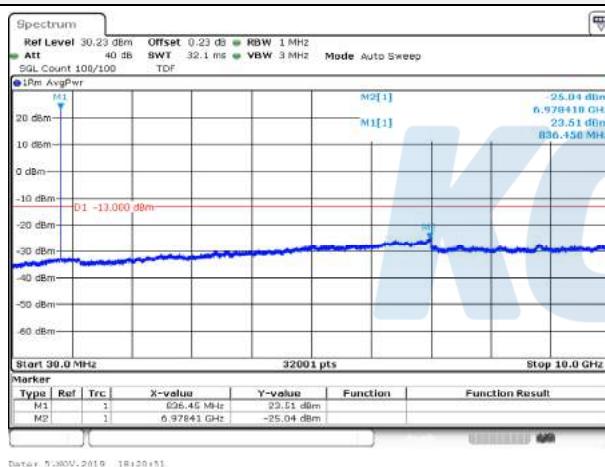
1.4M BW / QPSK / Low ch.



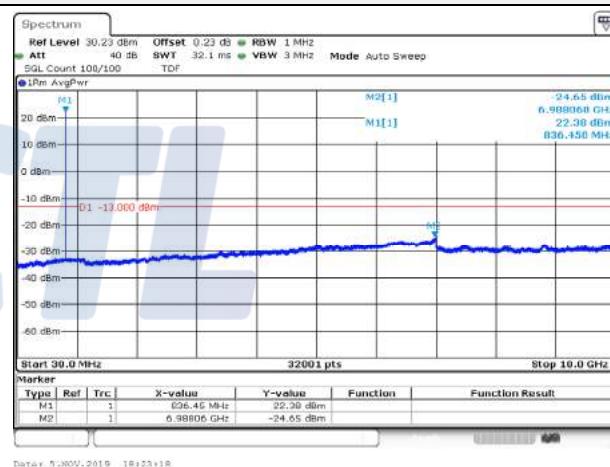
1.4M BW / 16QAM / Low ch.



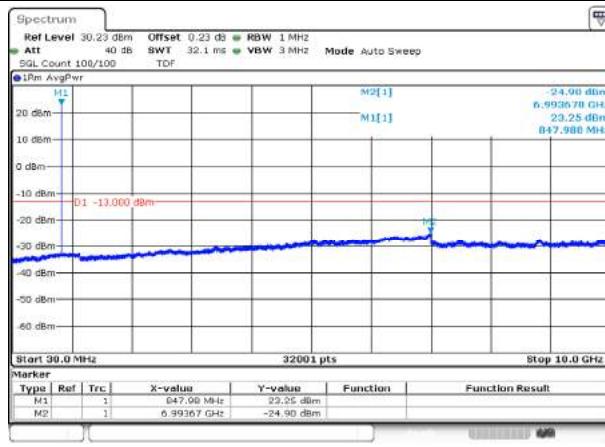
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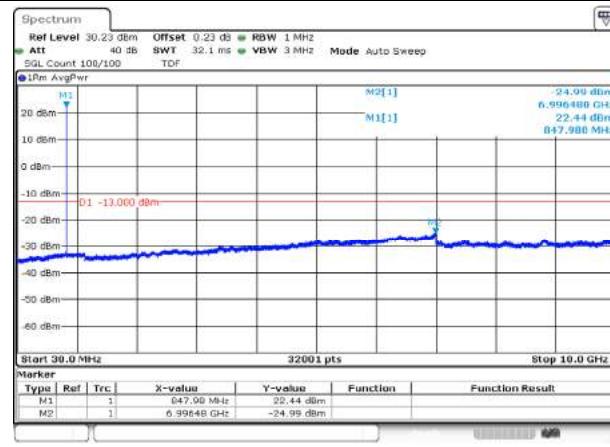
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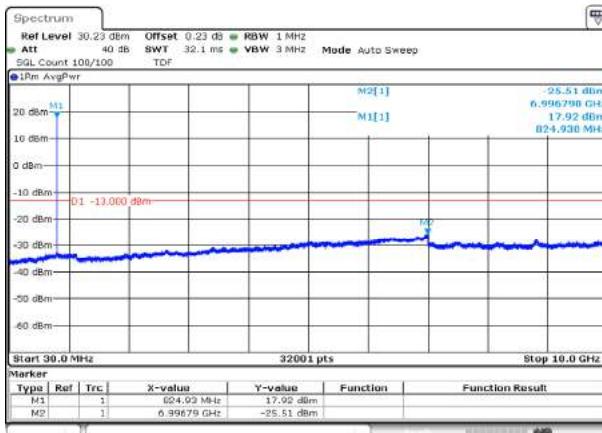
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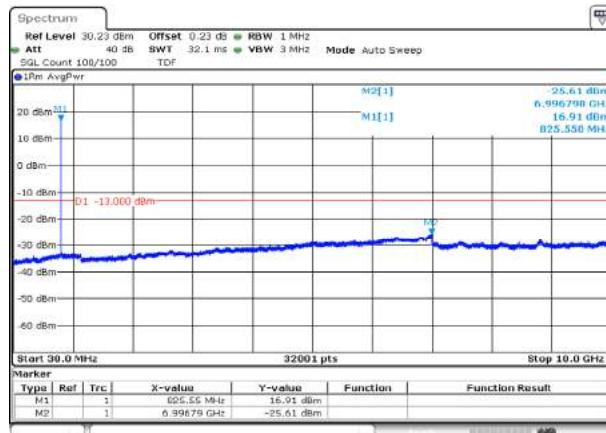
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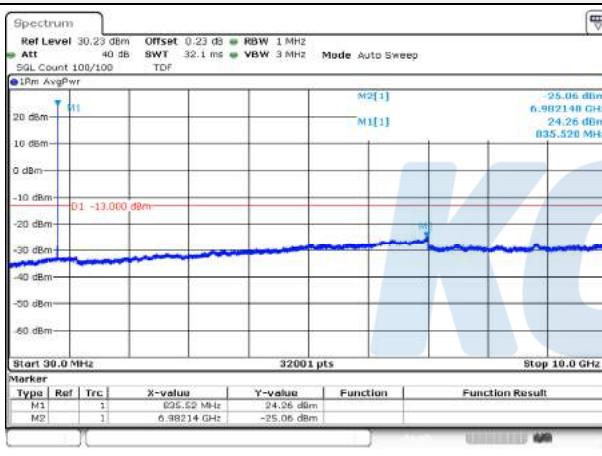
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3M BW / 16QAM / Low ch.



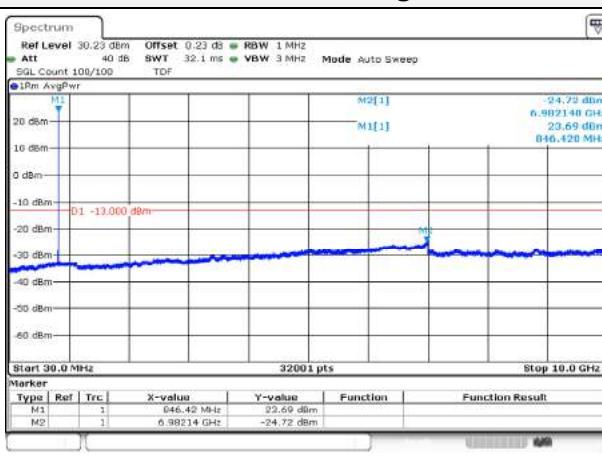
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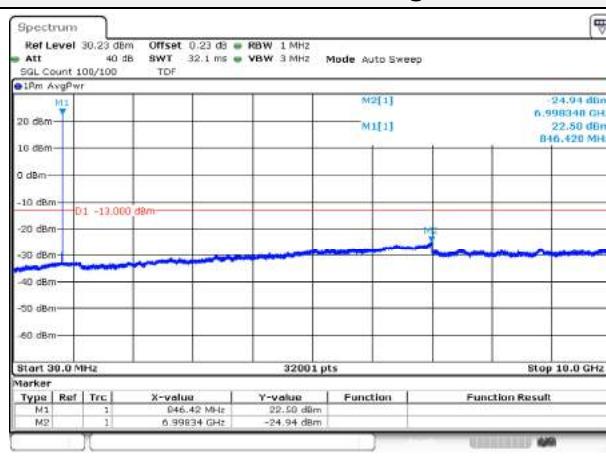
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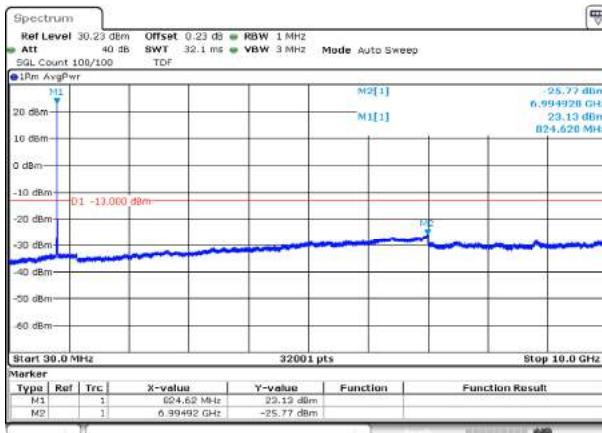
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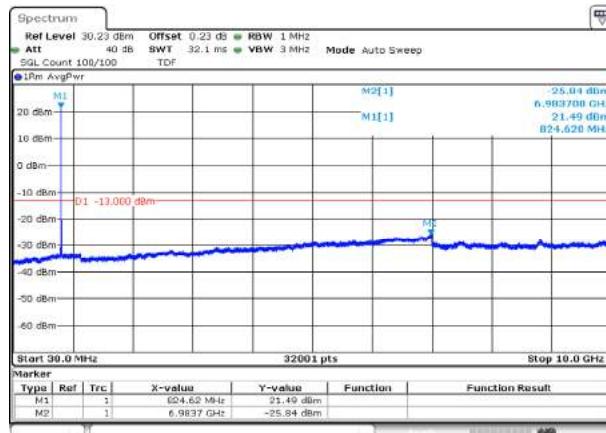
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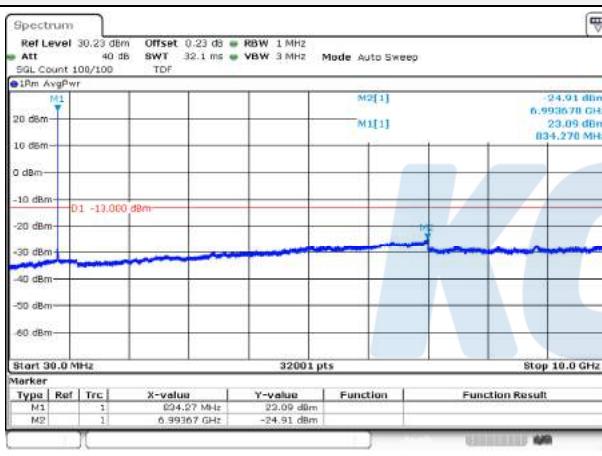
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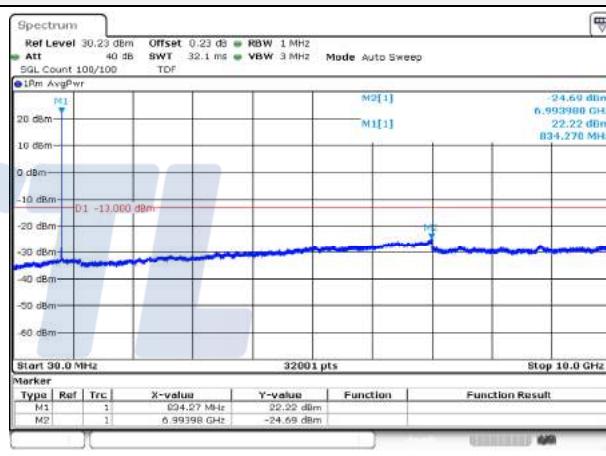
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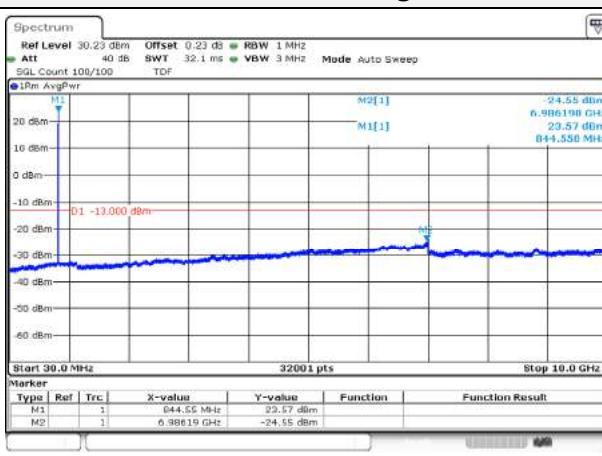
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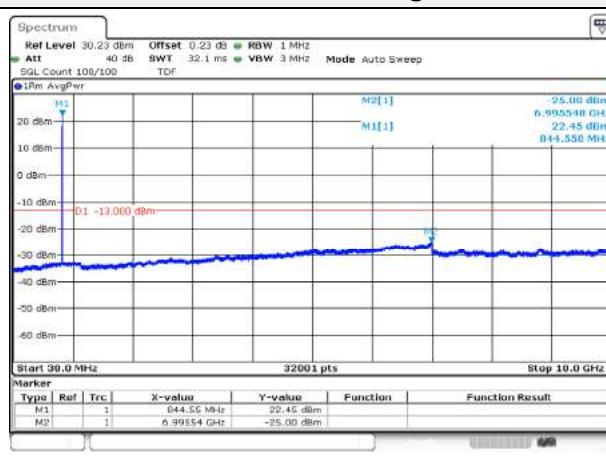
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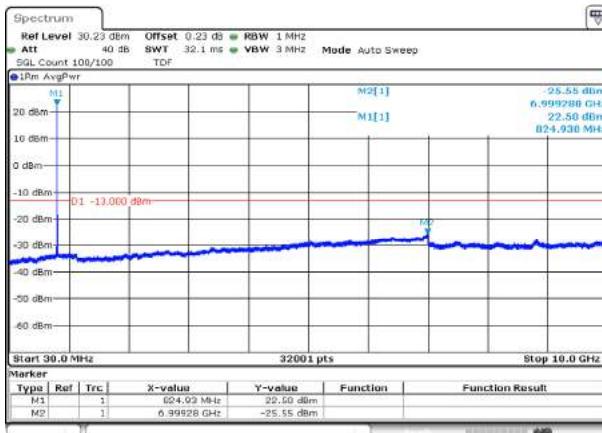
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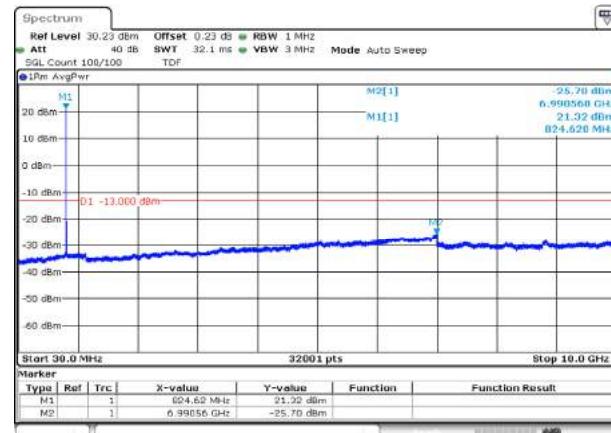
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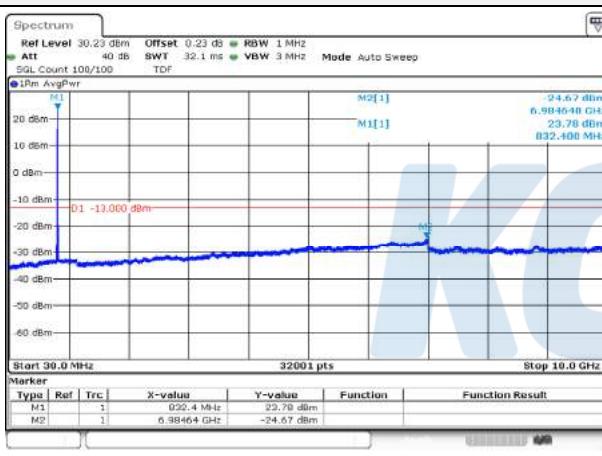
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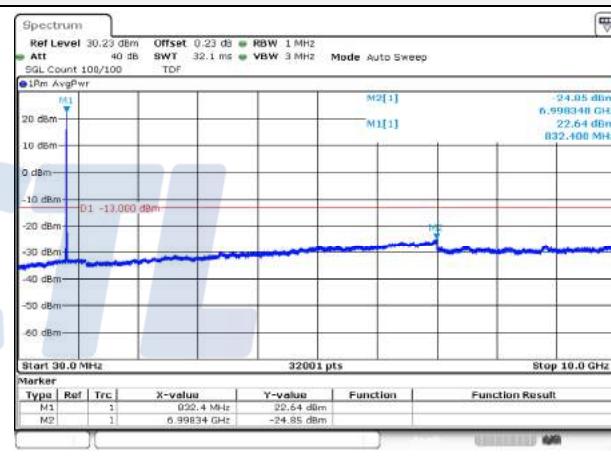
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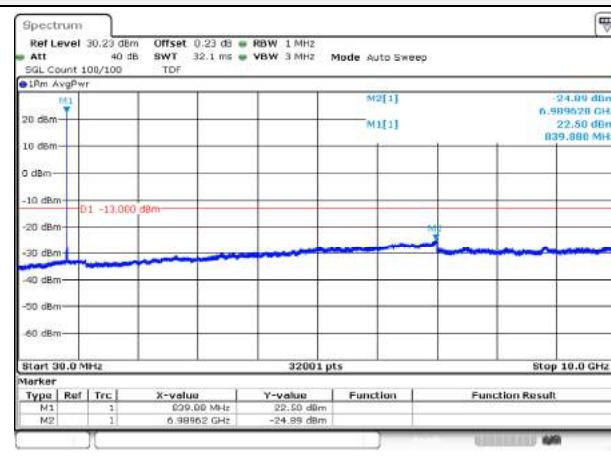
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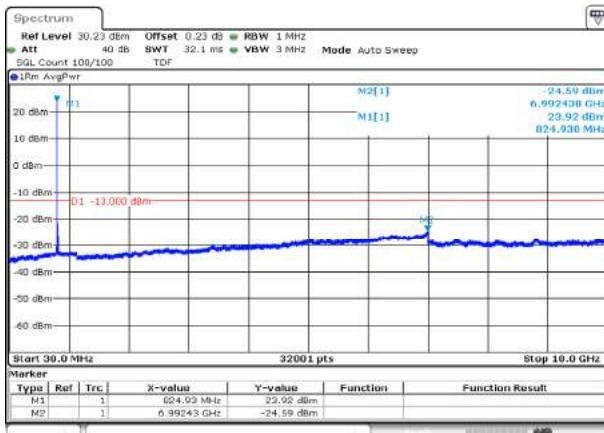
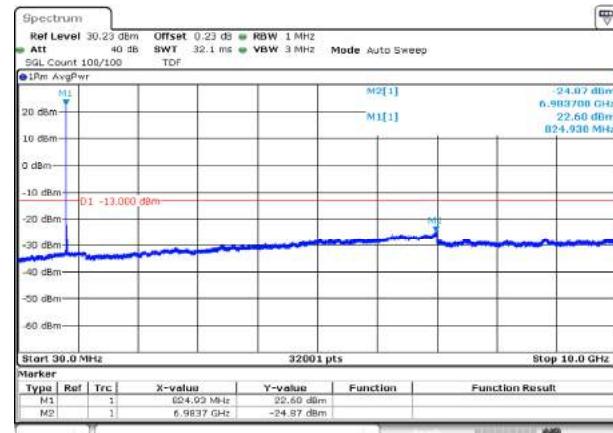
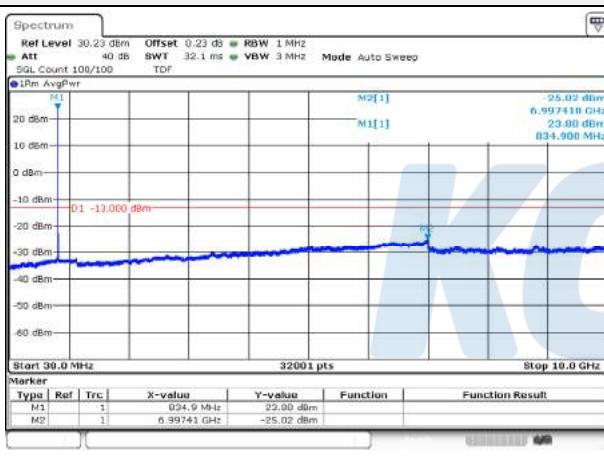
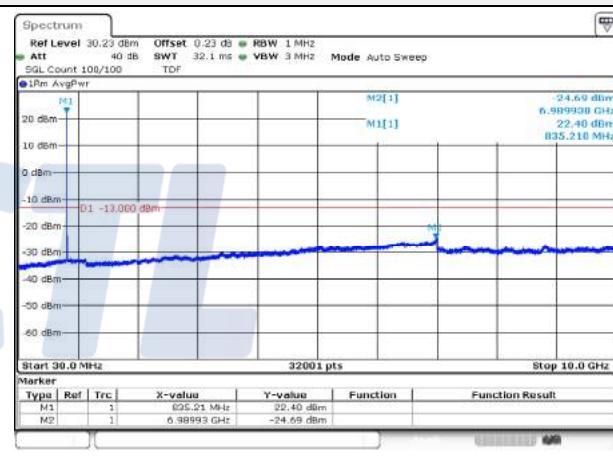


10M BW / QPSK / High ch.



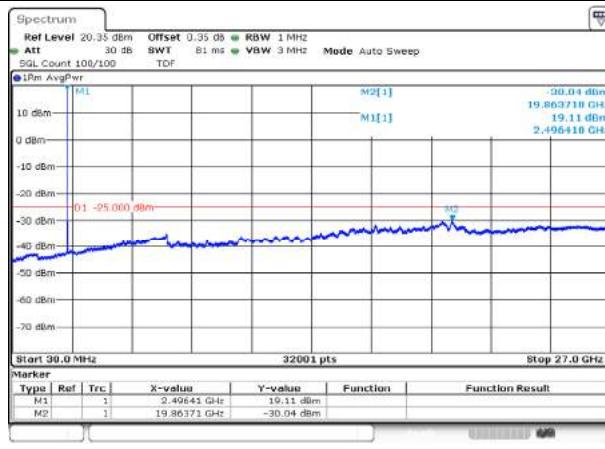
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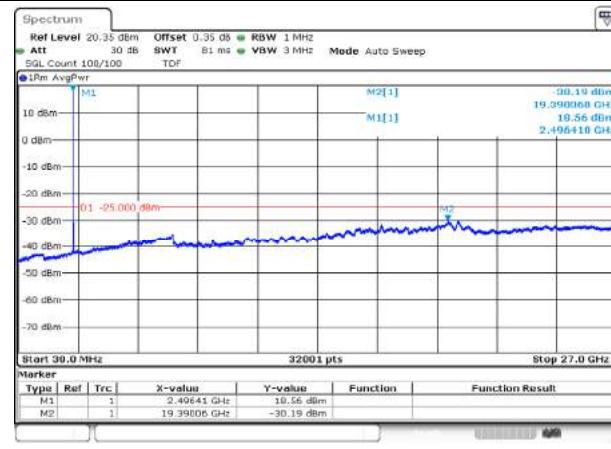
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Test mode: LTE Band 41

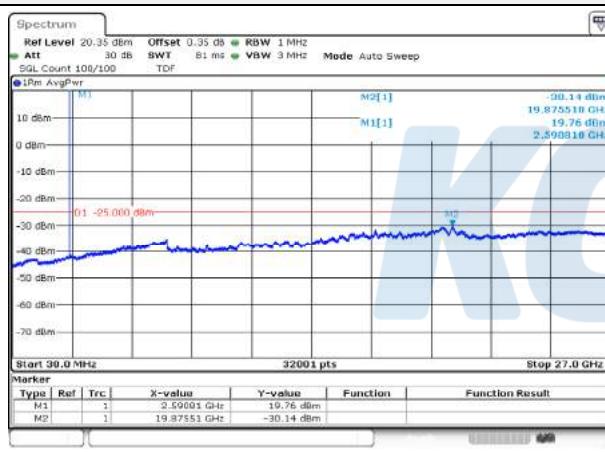
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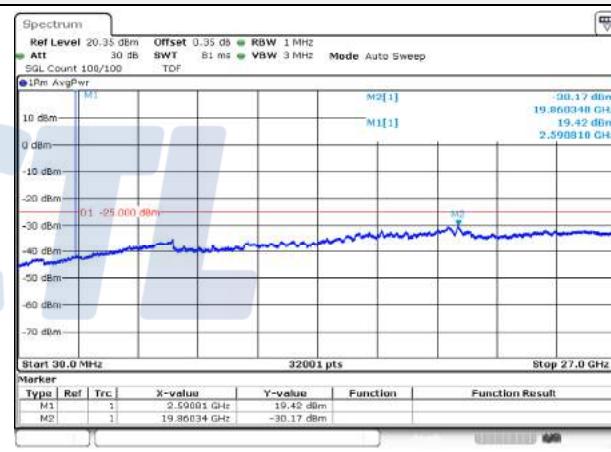
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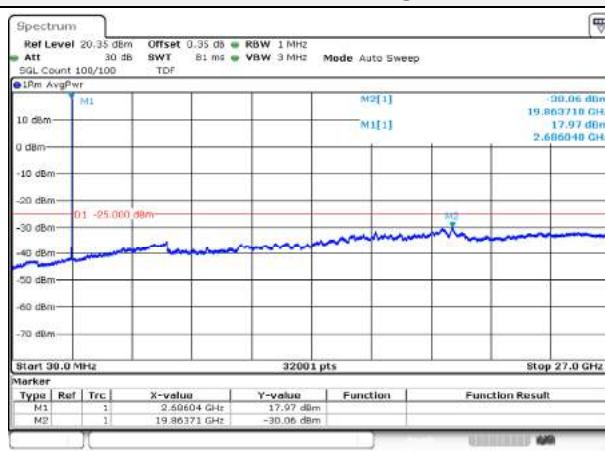
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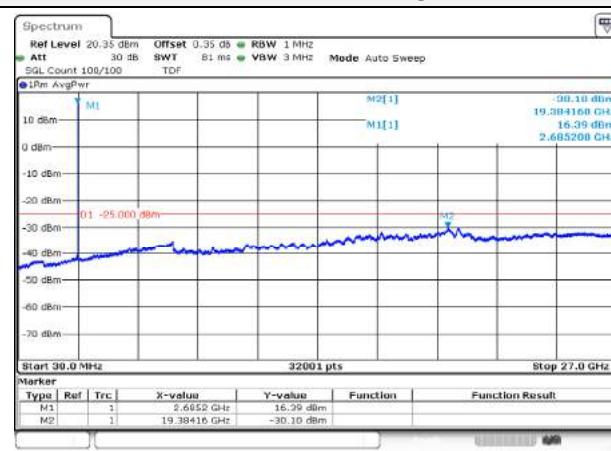
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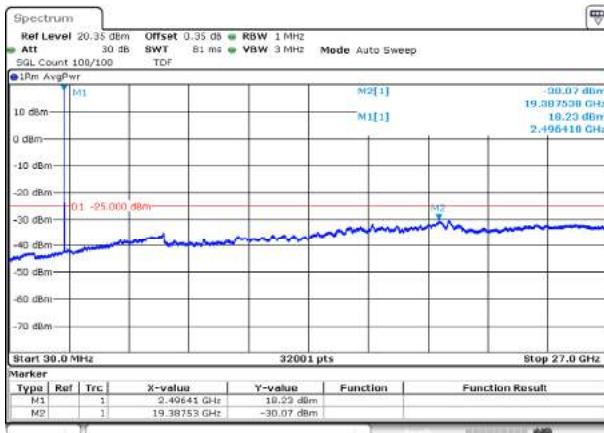
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5M BW / 16QAM / High ch.

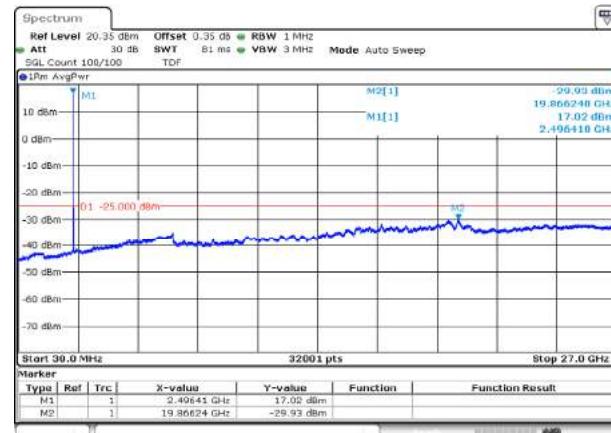


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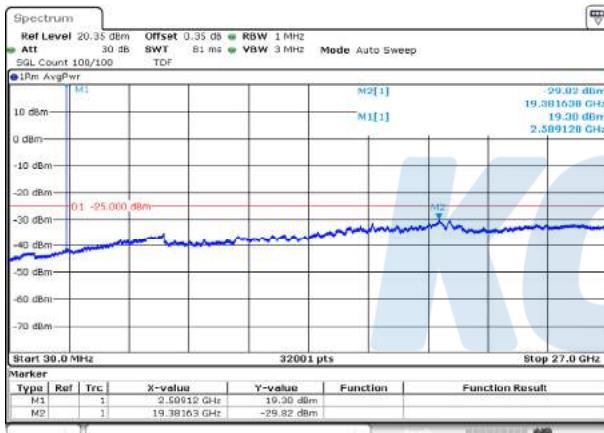
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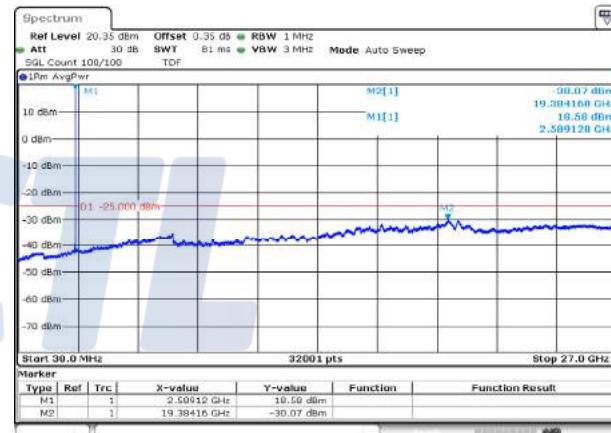
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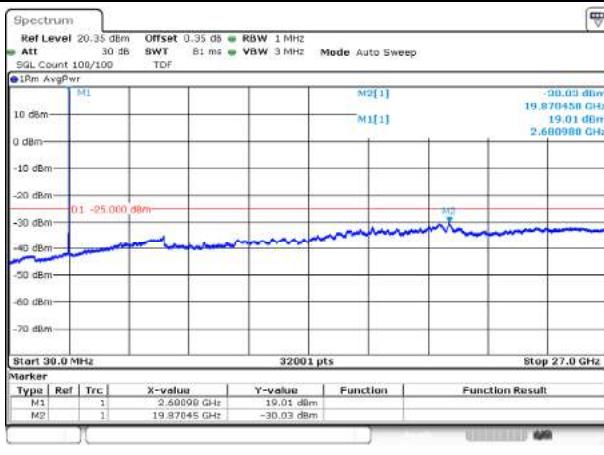
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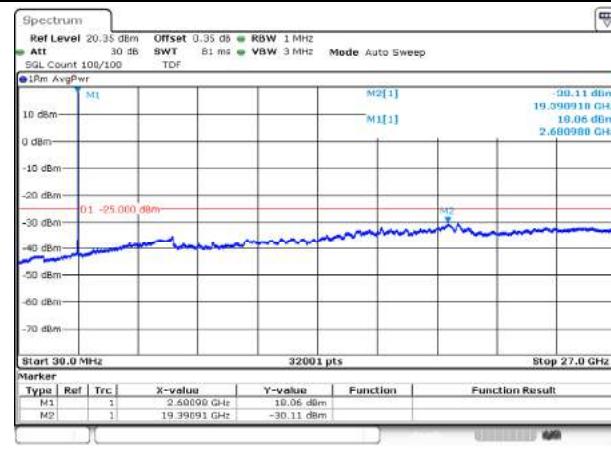
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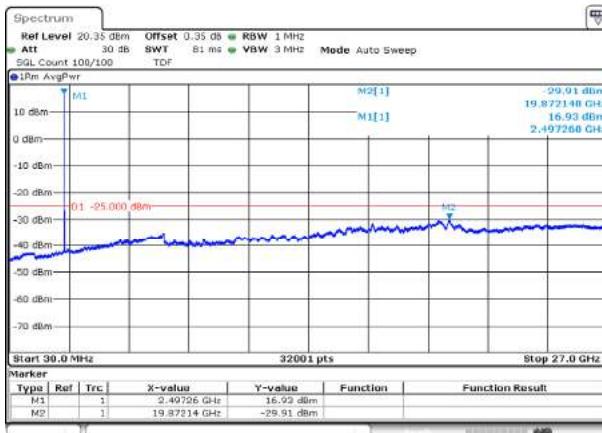
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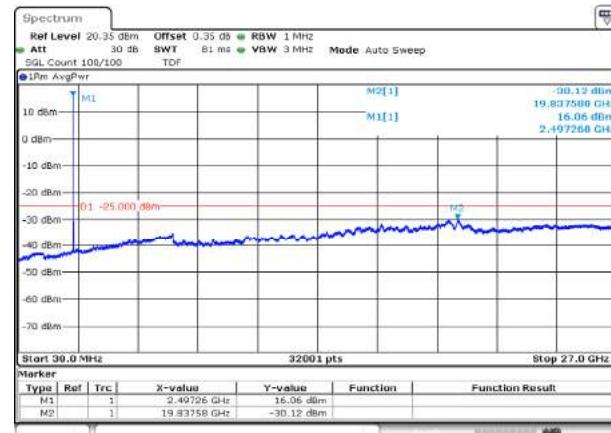


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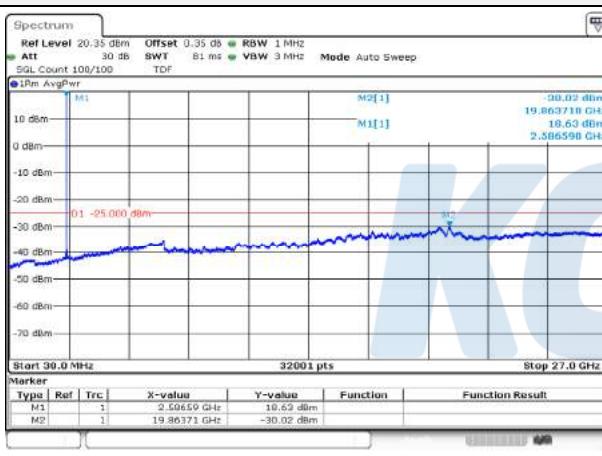
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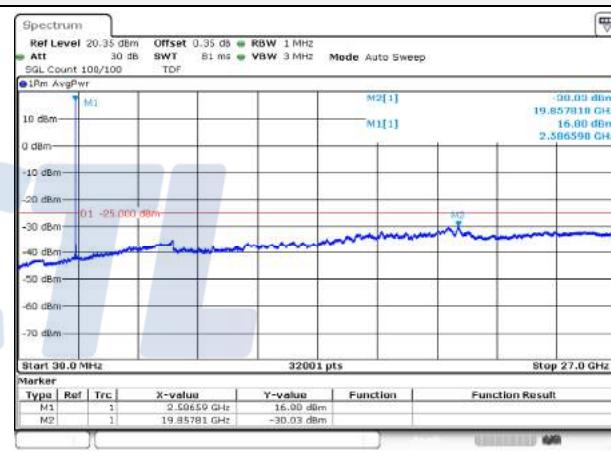
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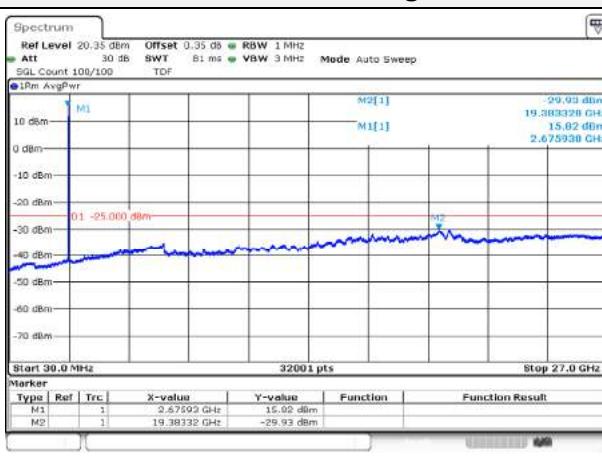
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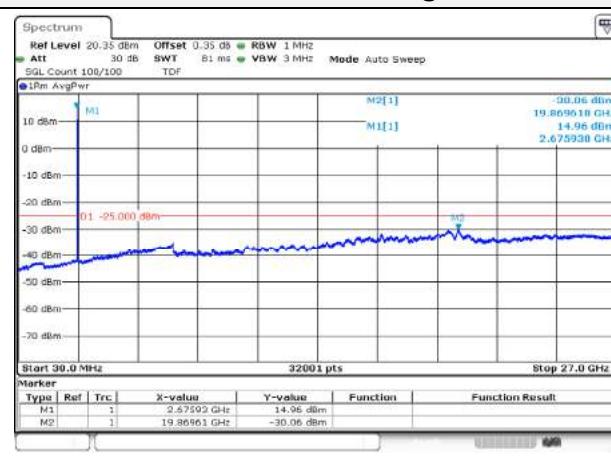
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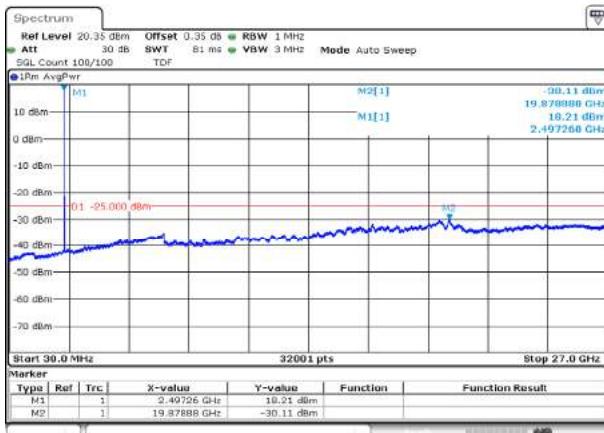
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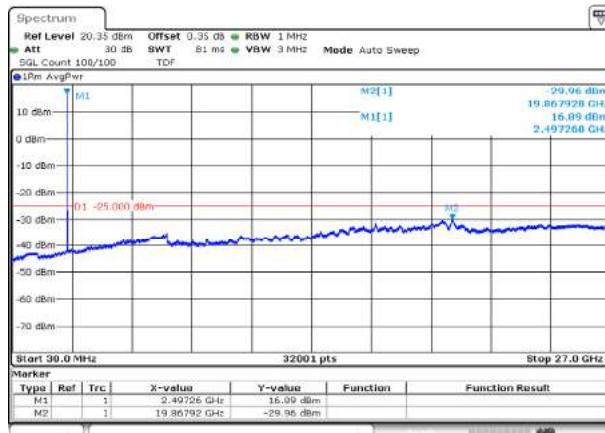
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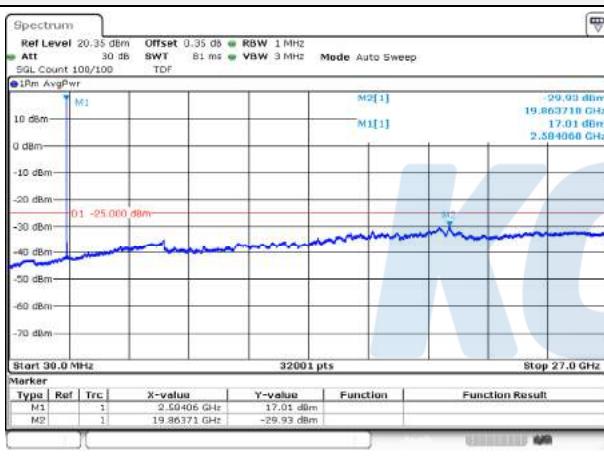
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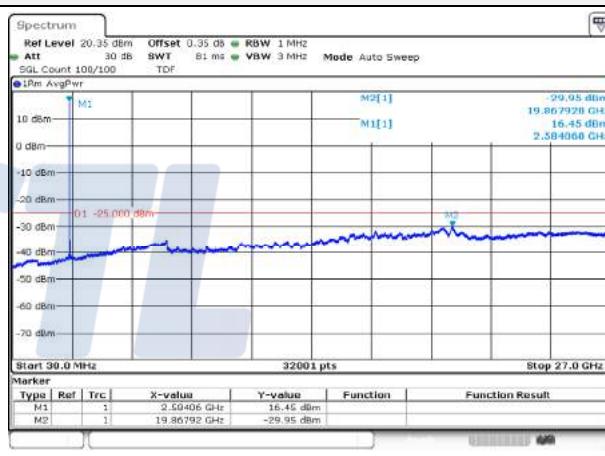
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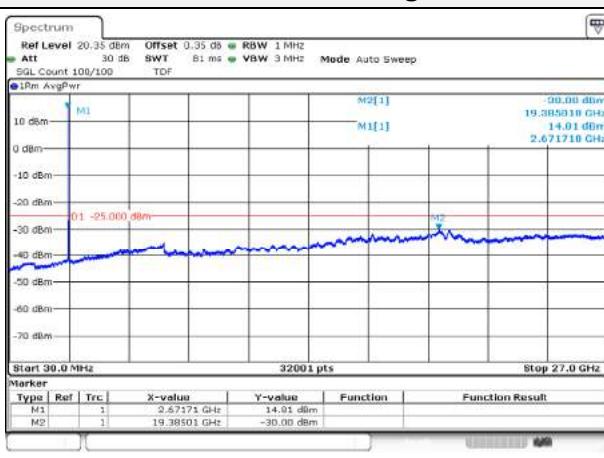
20M BW / QPSK / Mid ch.



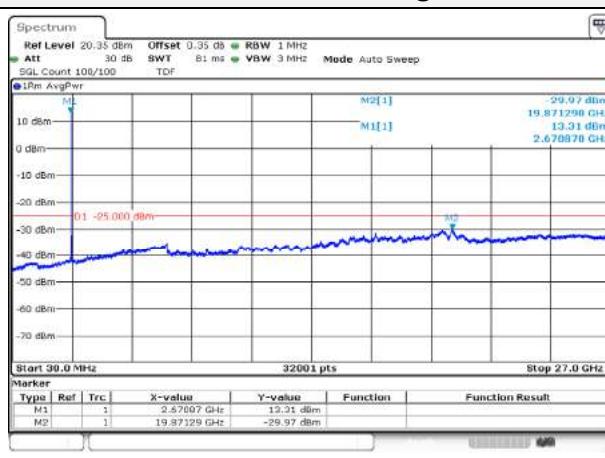
20M BW / 16QAM / Mid ch.



20M BW / QPSK / High ch.

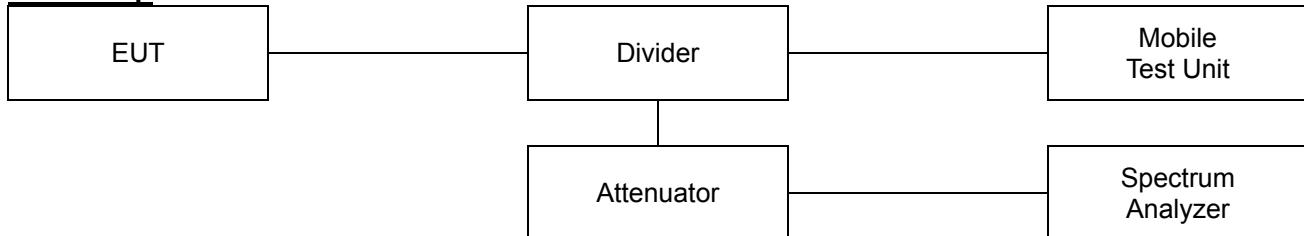


20M BW / 16QAM / High ch.



7.4. Band Edge 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 $43 + 10\log(P_{[\text{Watts}]})$ dB.

According to §27.53(c)(2) and RSS-130(4.7), 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 $43 + 10\log(P_{[\text{Watts}]})$ dB.

According to §27.53(c)(4) and RSS-130(4.7), on all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10\log(P_{[\text{Watts}]})$ dB in a 6.25 kHz band segment, for mobile and portable stations.

According to §27.53(g) and RSS-130(4.7), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a 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, by at least $43 + 10\log(P_{[\text{Watts}]})$ dB.

According to §27.53(m)(4), the attenuation factor shall be not less than $40 + 10\log(P_{[\text{Watts}]})$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10\log(P_{[\text{Watts}]})$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10\log(P_{[\text{Watts}]})$ 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 than $43 + 10\log(P_{[\text{Watts}]})$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10\log(P_{[\text{Watts}]})$ dB at or below 2490.5 MHz.

Test procedure

971168 D01 v03r01 - Section 6
ANSI C63.26-2015 – Section 5.7

Test settings

- 1) Start frequency was set to 30 MHz and stop frequency was set to at least 10th the fundamental frequency.
- 2) Span was set large enough so as to capture all out of band emissions near the band edge.
- 3) Set the RBW > 1% of the emission bandwidth.
- 4) Set the VBW $\geq 3 \times$ RBW.
- 5) Set the number of sweep points $\geq 2 \times$ Span/RBW
- 6) Detector = RMS
- 7) Trace mode = trace average
- 8) Sweep time should be auto for peak detection. For RMS detection the sweep time should be set as follows:
 - a) If the device can be configured to transmit continuously (duty cycle $\geq 98\%$), set the (sweep time) $>$ (number of points in sweep) \times (symbol period) (e.g., by a factor of 10 \times symbol period \times number of points) Increasing the sweep time (i.e., slowing the sweep speed) will allow for averaging over multiple symbols.
 - b) If the device cannot transmit continuously (duty cycle $< 98\%$), a gated sweep shall be used when possible (i.e., gate triggered such that the analyzer only sweeps when the device is transmitting at full power), set the sweep time $>$ (number of points in sweep) \times (symbol period) but the sweep time shall always be maintained at a value that is less than or equal to the minimum transmission time
 - c) If the device cannot be configured to transmit continuously (duty cycle $> 98\%$), and a free-running sweep must be used, set the sweep time so that the averaging is performed over multiple on/off cycles by setting the sweep time $>$ (number of points in sweep) \times (transmitter period) (i.e., the transmit on-time + the off-time). The spectrum analyzer readings shall subsequently be corrected by $[10 \log (1/\text{duty cycle})]$. This assumes that the transmission period and duty cycle is relatively constant (duty cycle variation $\leq \pm 2\%$).
 - d) If the device cannot be configured to transmit continuously and a free-running sweep must be used, and if the transmissions exhibit a non-constant duty cycle (duty cycle variations $> \pm 2\%$), set the sweep time so that the averaging is performed over the on-period by setting the sweep time $>$ (symbol period) \times (number of points), while also maintaining the sweep time $<$ (transmitter on-time). The trace mode shall be set to max hold, since not every display point will be averaged only over just the on-time. Thus, multiple sweeps (e.g., 100) in maximum hold are necessary to ensure that the maximum power is measured.
- 9) Allow trace to fully stabilize.

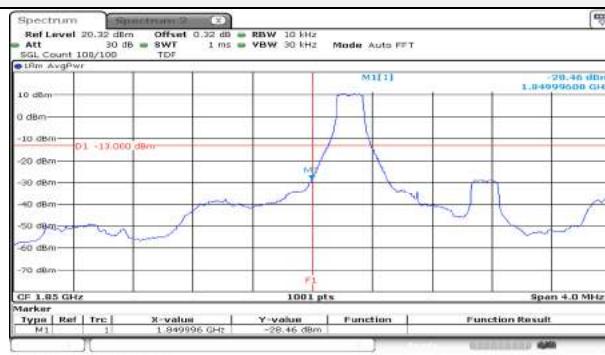
Notes:

1. Per 22.917(b), 24.238(b) and 27.53(h)(3), compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz 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. 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.
2. Per 27.53(c)(5), for operations in the 776-788 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed.
3. Per 27.53(c)(6), for operations in the 763-775 MHz and 793-805 MHz, the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
4. Per 27.25(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.
5. Per 27.53(m)(6), 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).
6. The EUT was setup to maximum output power as its lowest and highest channel with all bandwidth, modulation and RB configurations.

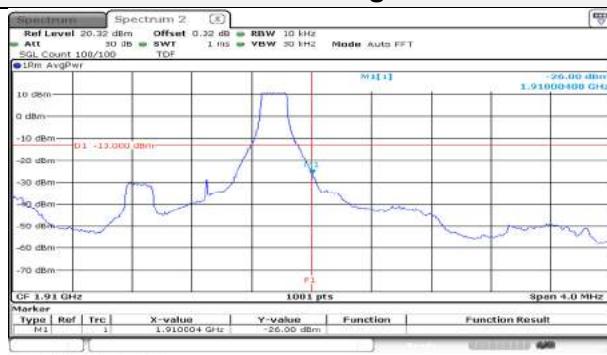
Test results

Test mode: LTE Band 2

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1.4M BW / QPSK / High ch. / 1RB



1.4M BW / QPSK / Low ch. / FRB



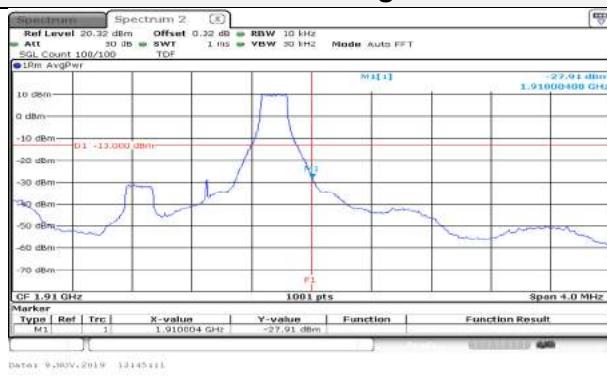
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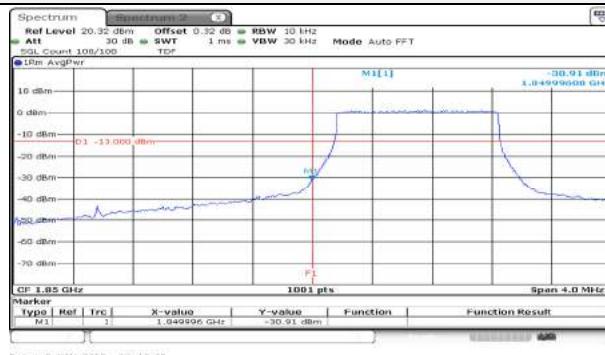
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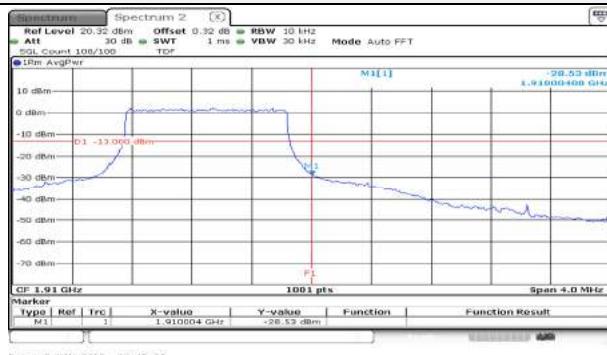
1.4M BW / 16QAM / High ch. / 1RB



1.4M BW / 16QAM / Low ch. / FRB



1.4M BW / 16QAM / High ch. / FRB



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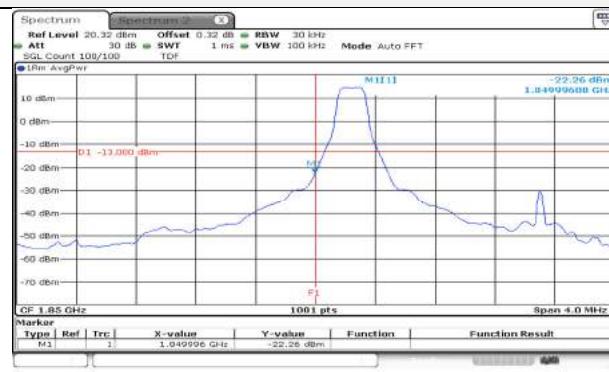
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
www.kctl.co.kr

Report No.:
KR19-SRF0183-B

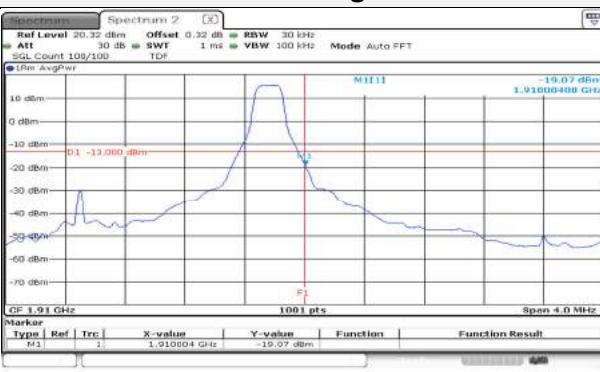
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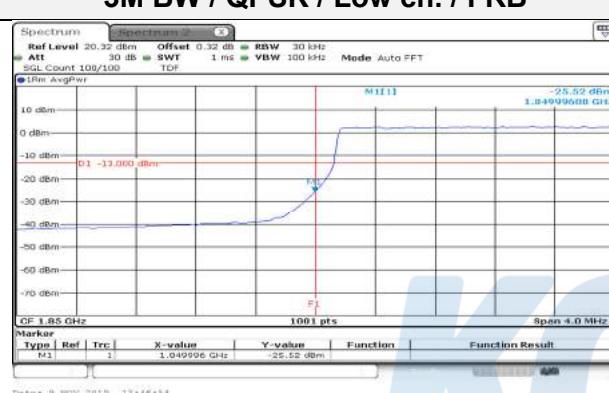
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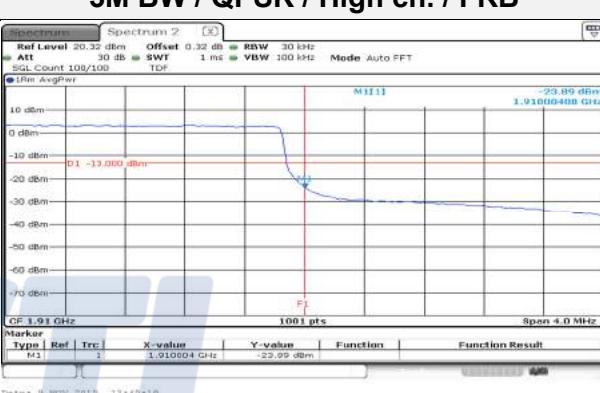
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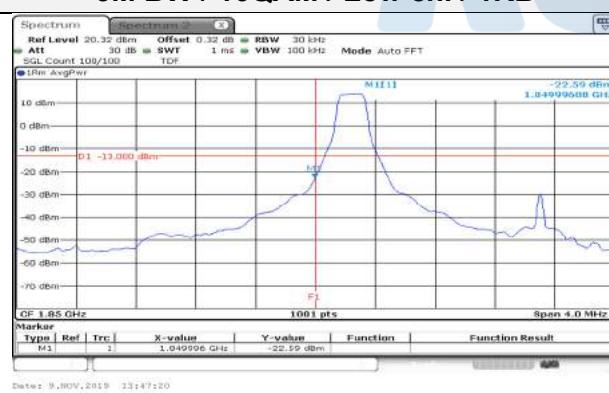
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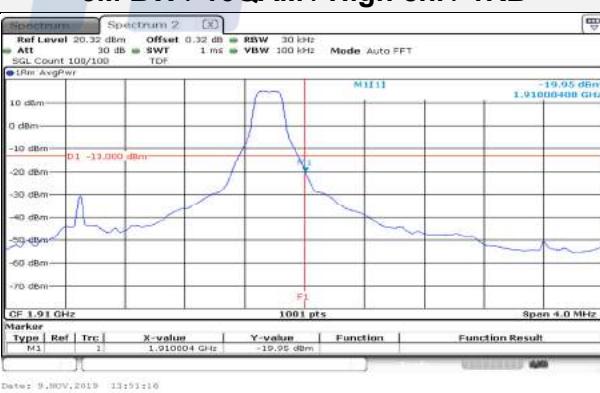
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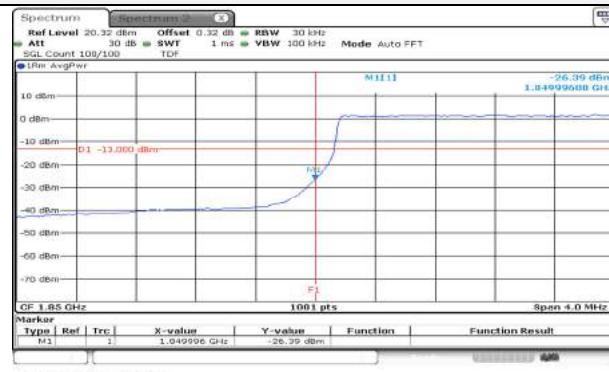
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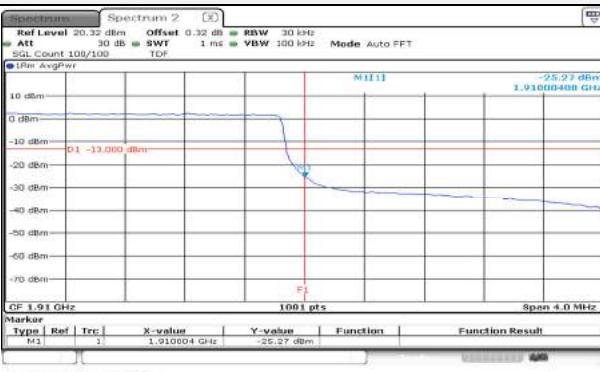
3M BW / 16QAM / High ch. / 1RB



3M BW / 16QAM / Low ch. / FRB



3M BW / 16QAM / High ch. / FRB



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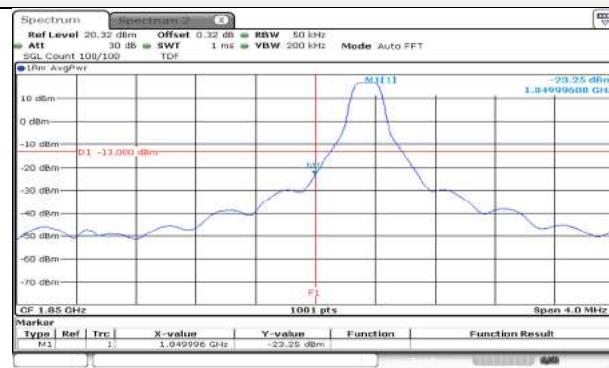
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Report No.:
KR19-SRF0183-B

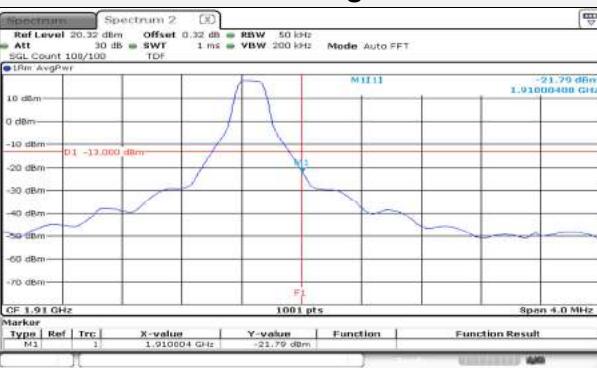
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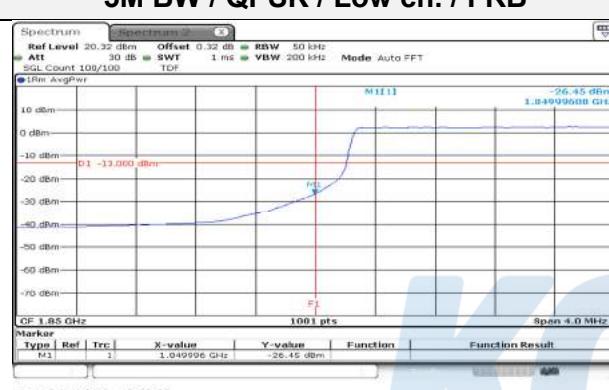
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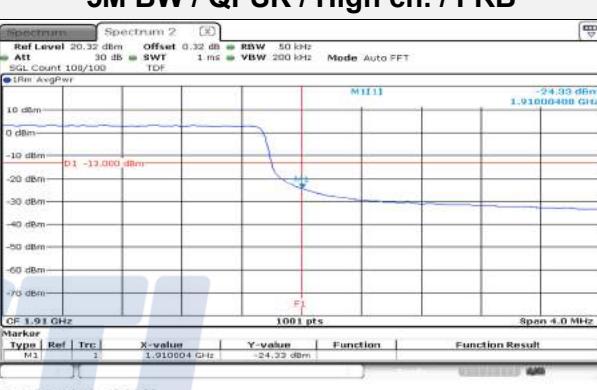
5M BW / QPSK / High ch. / 1RB



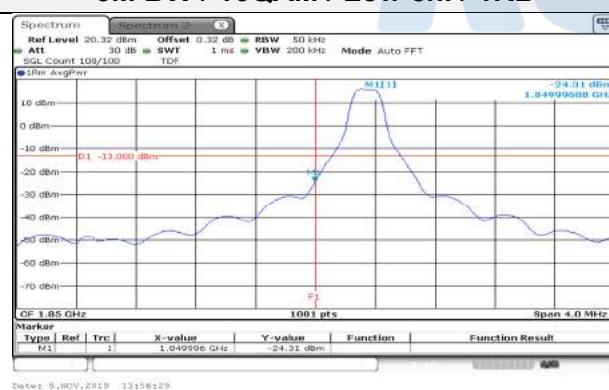
5M BW / QPSK / Low ch. / FRB



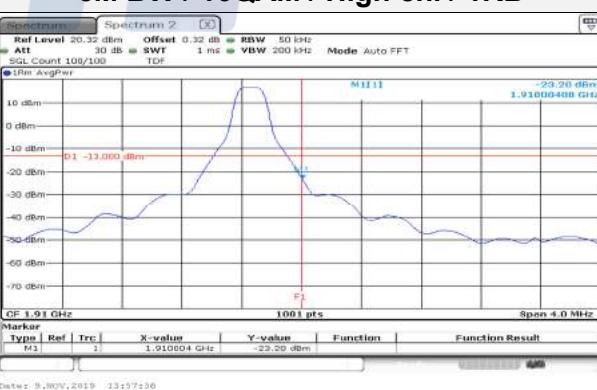
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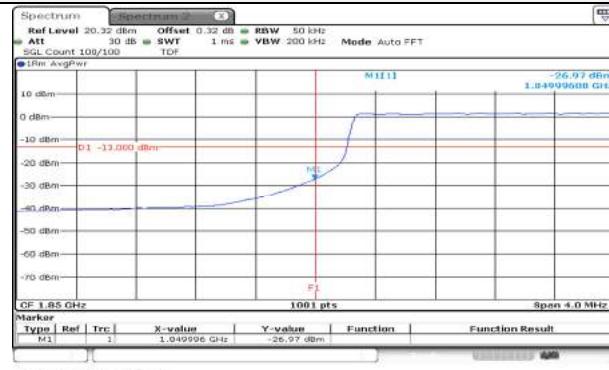
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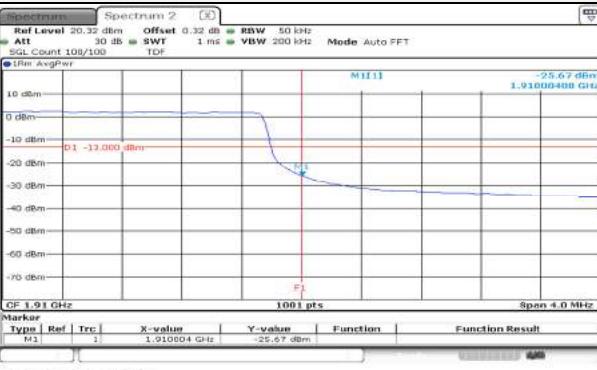
5M BW / 16QAM / High ch. / 1RB



5M BW / 16QAM / Low ch. / FRB



5M BW / 16QAM / High ch. / FRB



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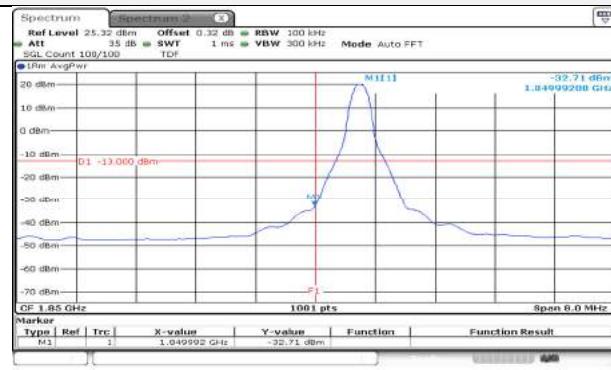
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
www.kctl.co.kr

Report No.:
KR19-SRF0183-B

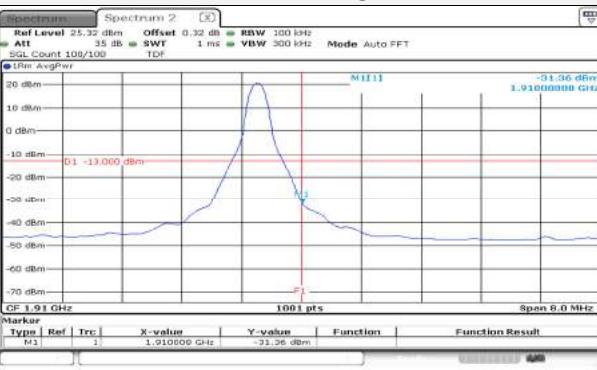
Page (121) of (216)

KCTL

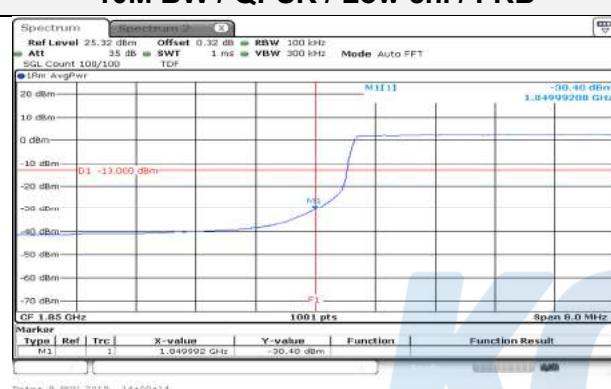
10M BW / QPSK / Low ch. / 1RB



10M BW / QPSK / High ch. / 1RB



10M BW / QPSK / Low ch. / FRB



10M BW / QPSK / High ch. / FRB



10M BW / 16QAM / Low ch. / 1RB



10M BW / 16QAM / High ch. / 1RB



10M BW / 16QAM / Low ch. / FRB



10M BW / 16QAM / High ch. / FRB



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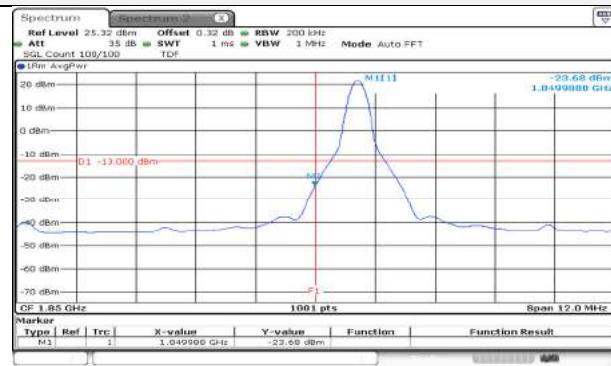
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
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Report No.:
KR19-SRF0183-B

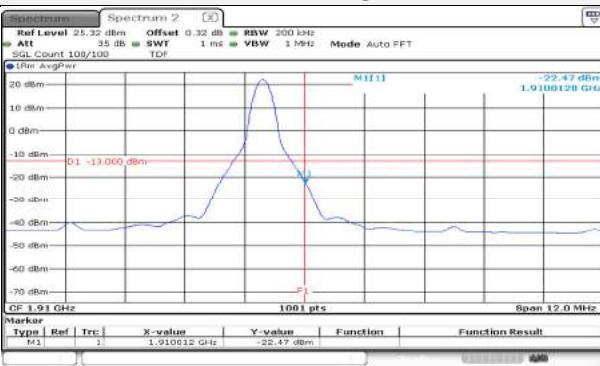
Page (122) of (216)

KCTL

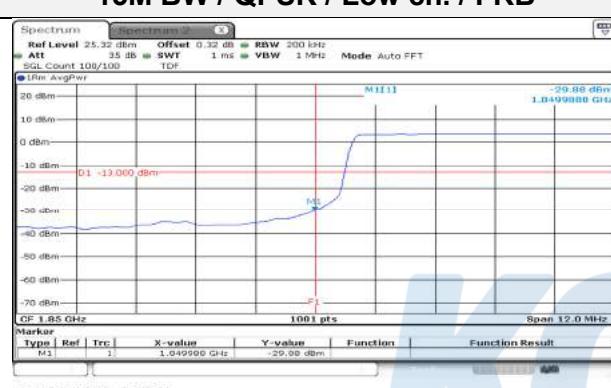
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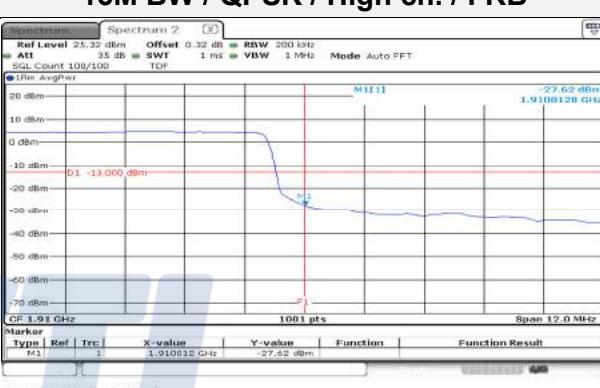
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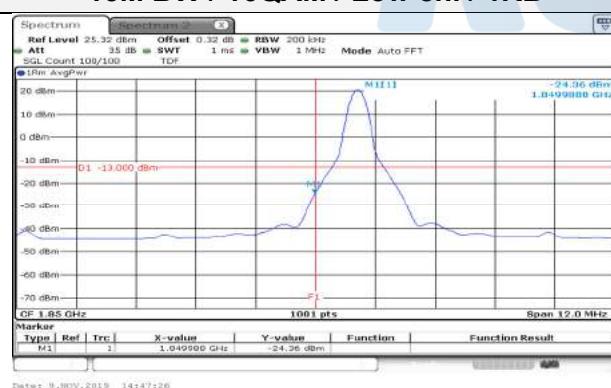
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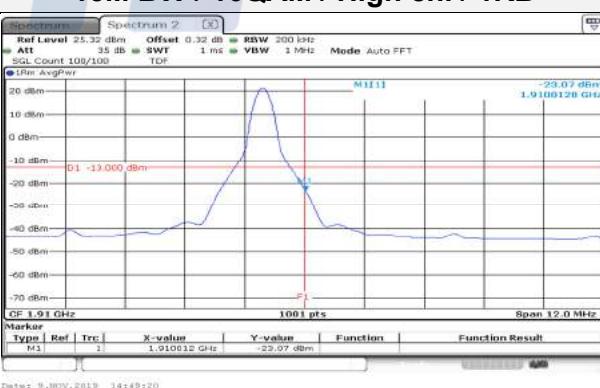
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15M BW / 16QAM / Low ch. / 1RB



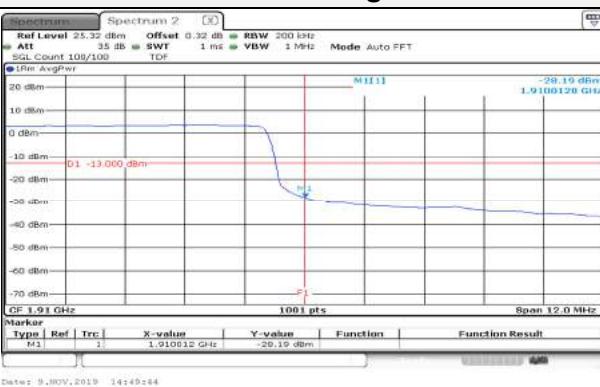
15M BW / 16QAM / High ch. / 1RB



15M BW / 16QAM / Low ch. / FRB



15M BW / 16QAM / High ch. / FRB



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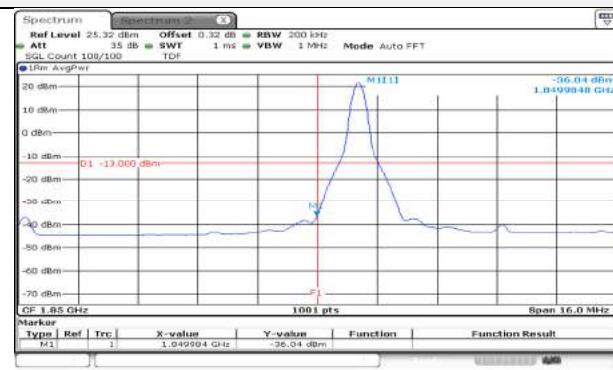
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
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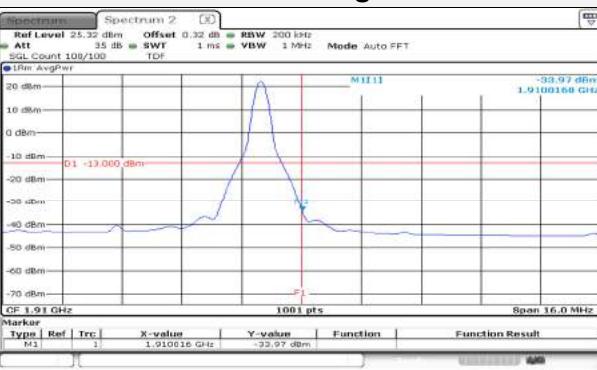
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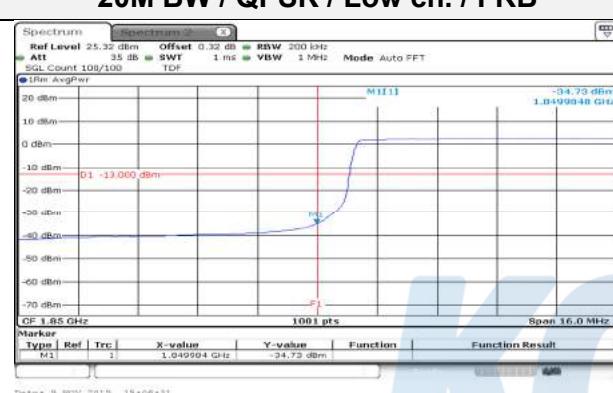
20M BW / QPSK / Low ch. / 1RB



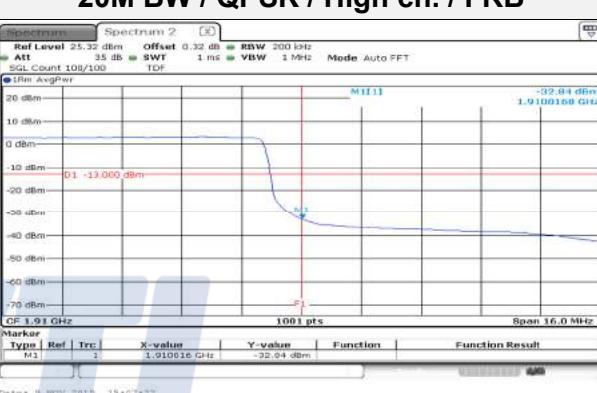
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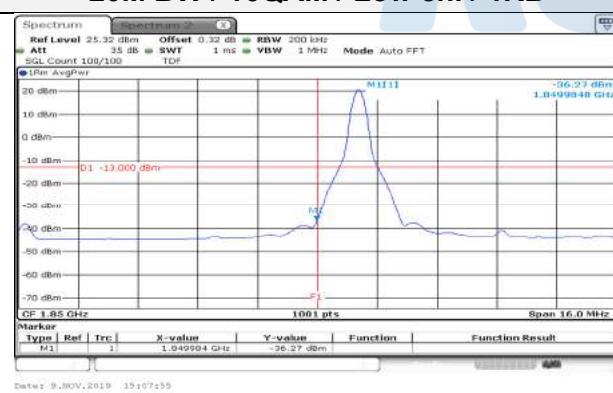
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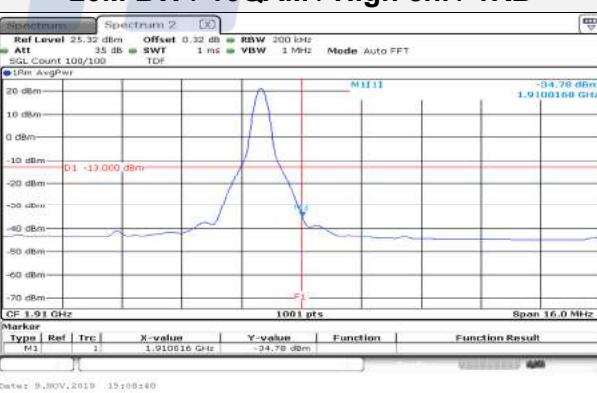
20M BW / QPSK / High ch. / FRB



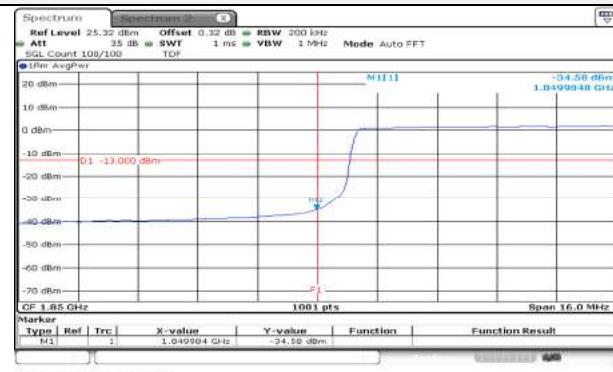
20M BW / 16QAM / Low ch. / 1RB



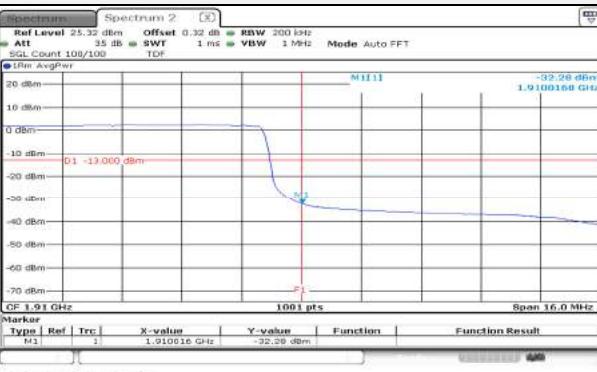
20M BW / 16QAM / High ch. / 1RB



20M BW / 16QAM / Low ch. / FRB



20M BW / 16QAM / High ch. / FRB

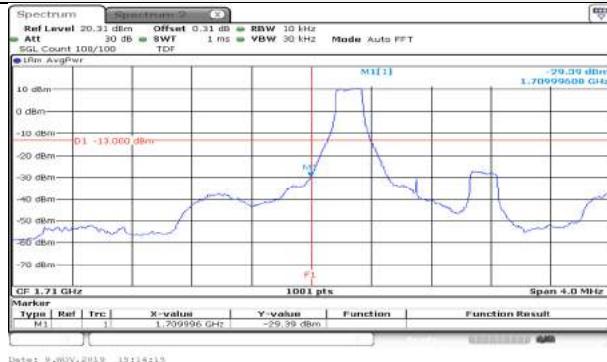


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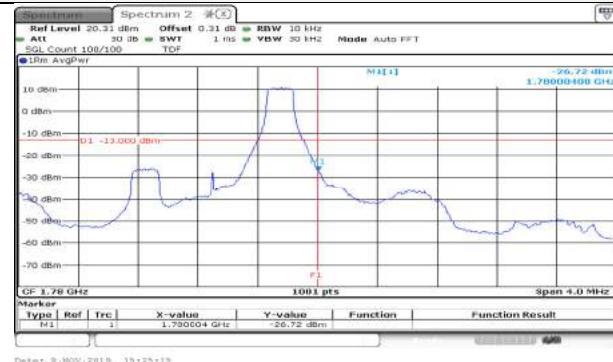
KCTL-TIR001-003/2

Test mode: LTE Band 4/66

1.4M BW / QPSK / Low ch. / 1RB



1.4M BW / QPSK / High ch. / 1RB



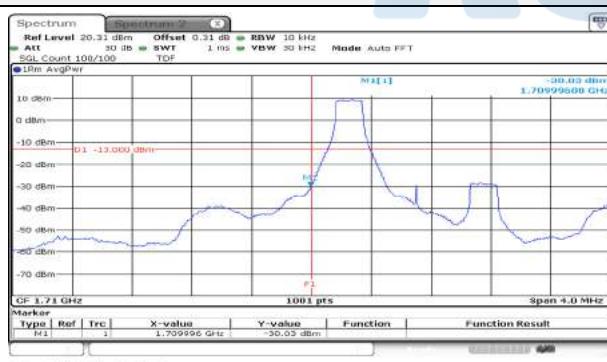
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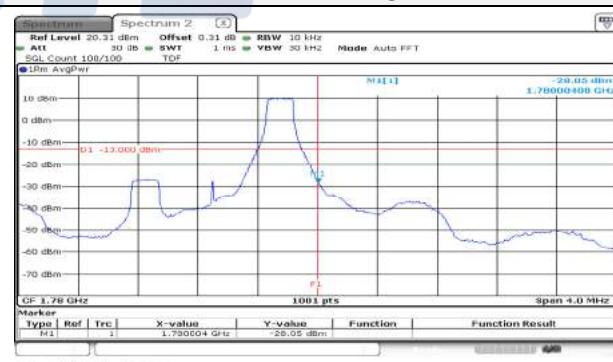
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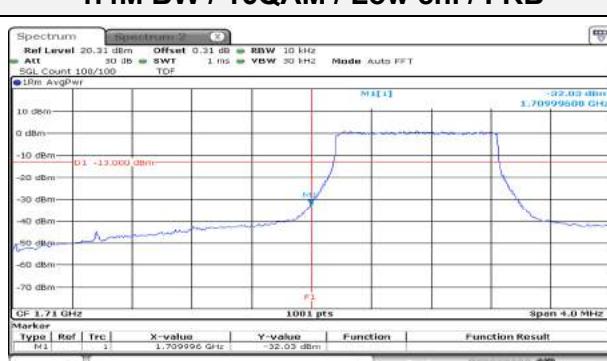
1.4M BW / 16QAM / Low ch. / 1RB



1.4M BW / 16QAM / High ch. / 1RB



1.4M BW / 16QAM / Low ch. / FRB



1.4M BW / 16QAM / High ch. / FRB



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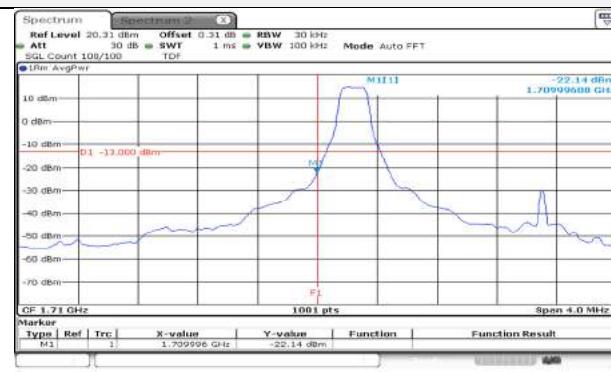
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Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
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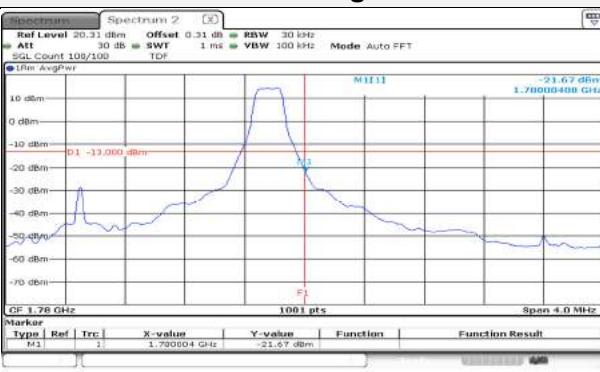
Page (125) of (216)

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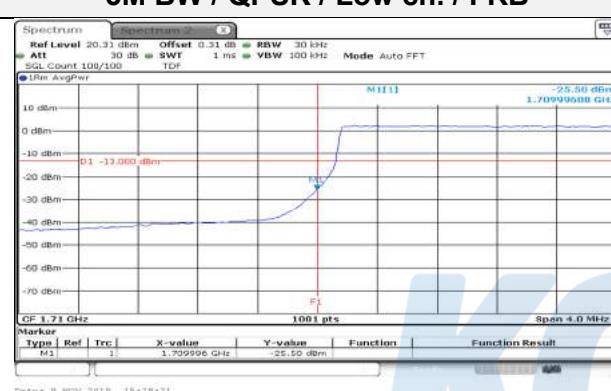
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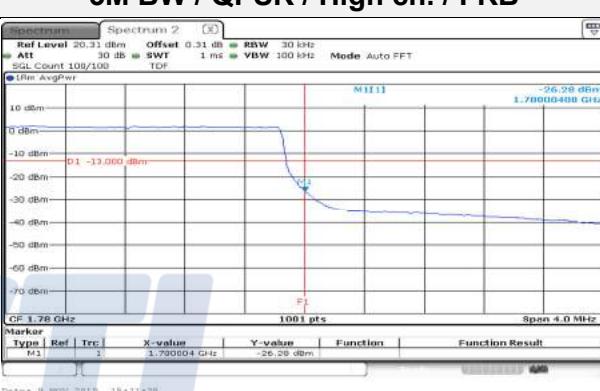
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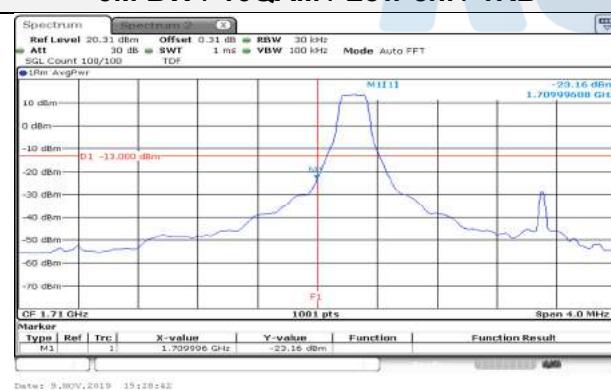
3M BW / QPSK / Low ch. / FRB



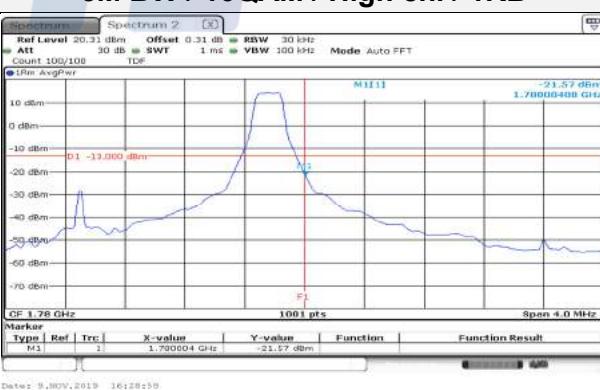
3M BW / QPSK / High ch. / FRB



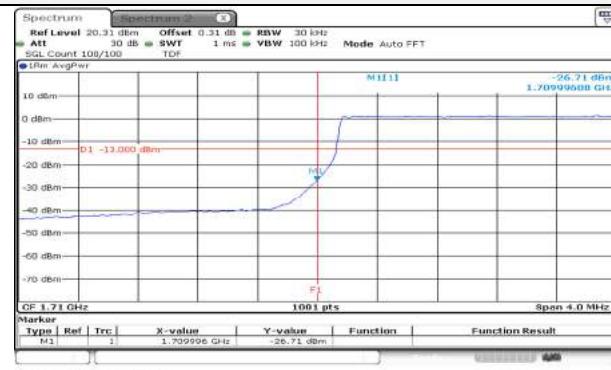
3M BW / 16QAM / Low ch. / 1RB



3M BW / 16QAM / High ch. / 1RB



3M BW / 16QAM / Low ch. / FRB



3M BW / 16QAM / High ch. / FRB



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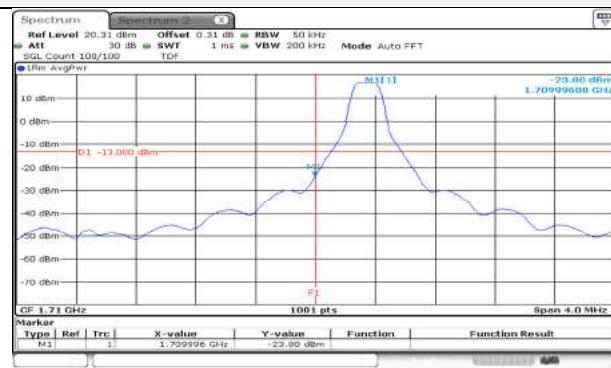
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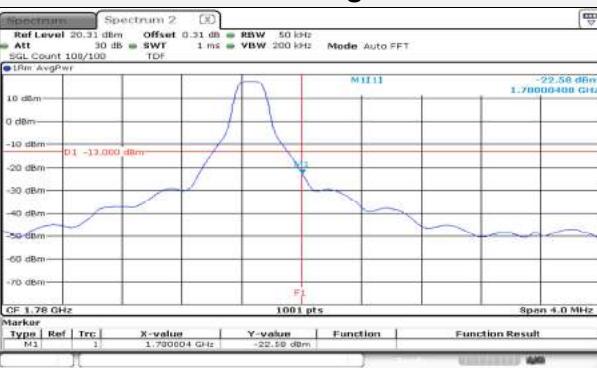
Page (126) of (216)

KCTL

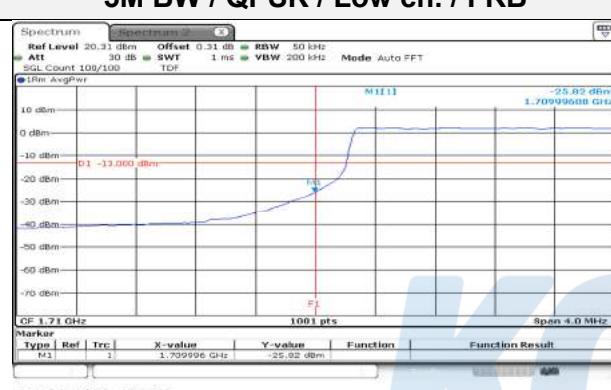
5M BW / QPSK / Low ch. / 1RB



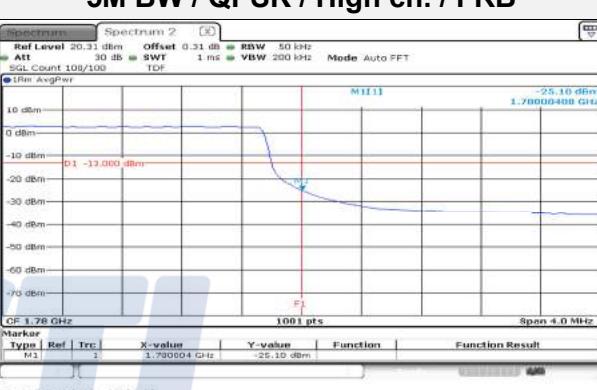
5M BW / QPSK / High ch. / 1RB



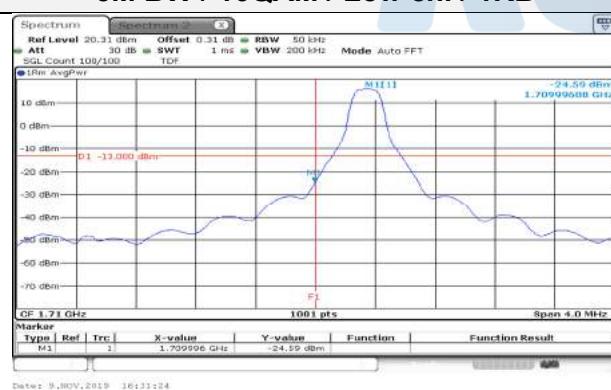
5M BW / QPSK / Low ch. / FRB



5M BW / QPSK / High ch. / FRB



5M BW / 16QAM / Low ch. / 1RB



5M BW / 16QAM / High ch. / 1RB



5M BW / 16QAM / Low ch. / FRB



5M BW / 16QAM / High ch. / FRB



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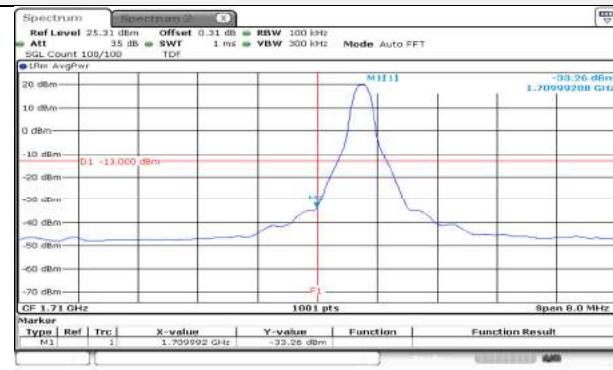
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
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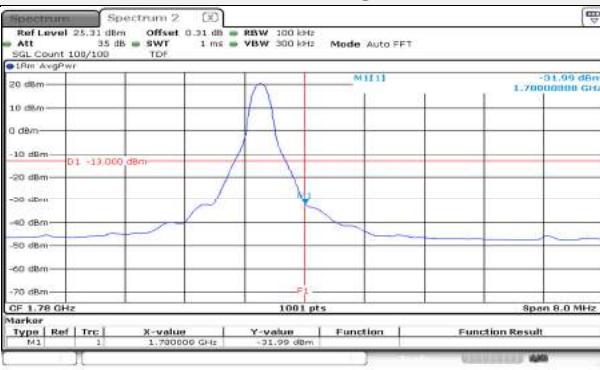
Page (127) of (216)

KCTL

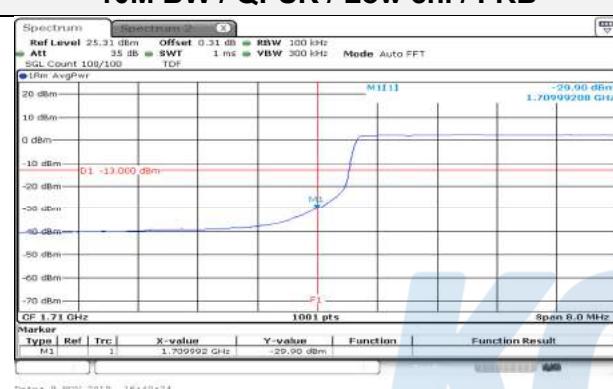
10M BW / QPSK / Low ch. / 1RB



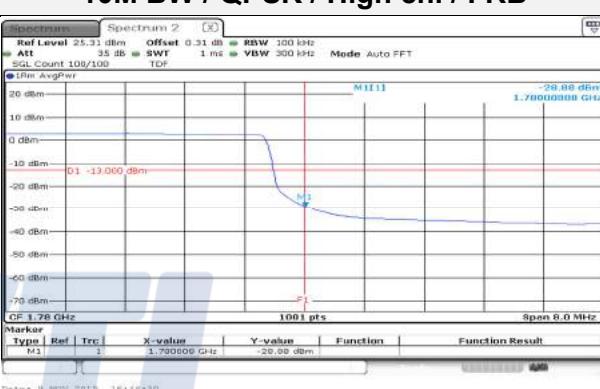
10M BW / QPSK / High ch. / 1RB



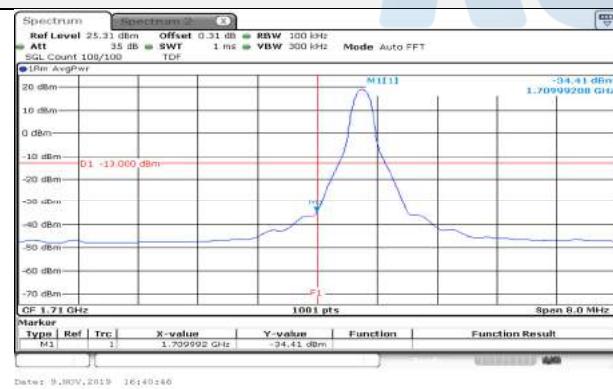
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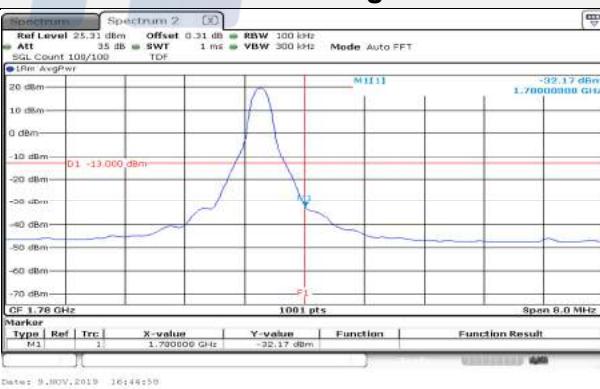
10M BW / QPSK / High ch. / FRB



10M BW / 16QAM / Low ch. / 1RB



10M BW / 16QAM / High ch. / 1RB



10M BW / 16QAM / Low ch. / FRB



10M BW / 16QAM / High ch. / FRB



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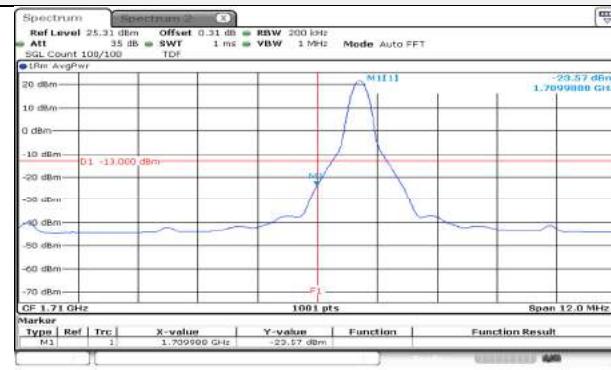
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
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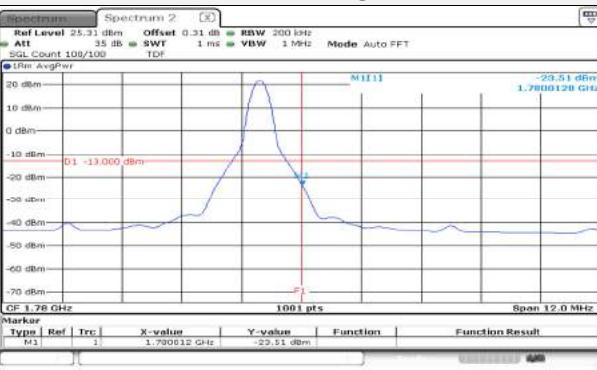
Page (128) of (216)

KCTL

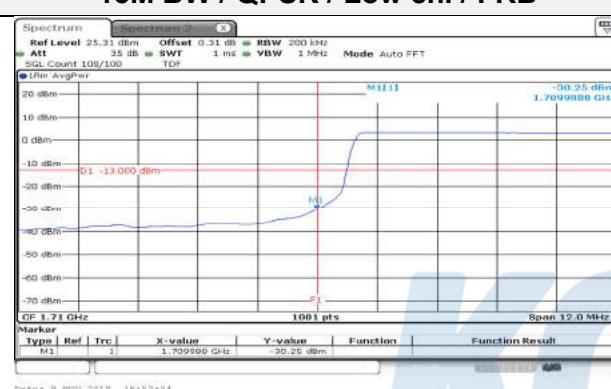
15M BW / QPSK / Low ch. / 1RB



15M BW / QPSK / High ch. / 1RB



15M BW / QPSK / Low ch. / FRB



15M BW / QPSK / High ch. / FRB



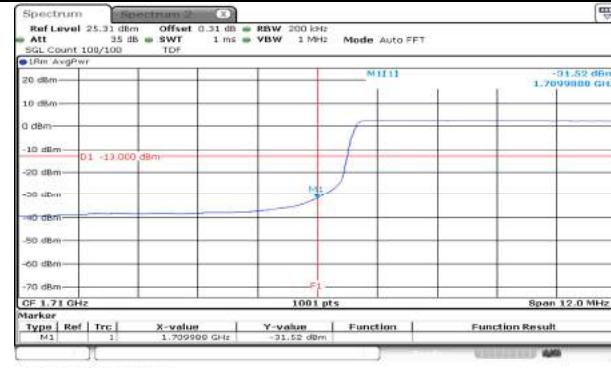
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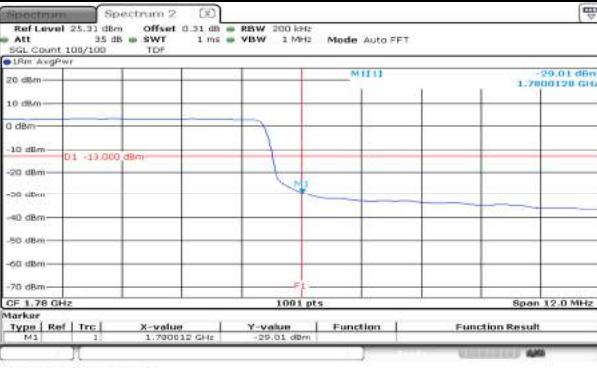
15M BW / 16QAM / High ch. / 1RB



15M BW / 16QAM / Low ch. / FRB



15M BW / 16QAM / High ch. / FRB



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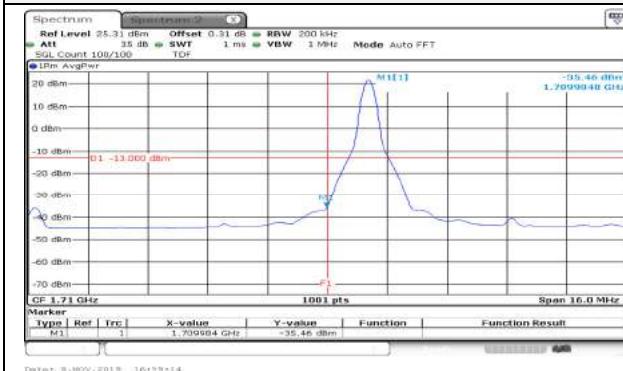
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
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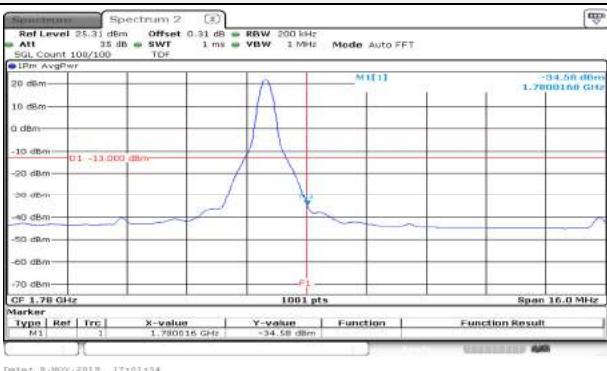
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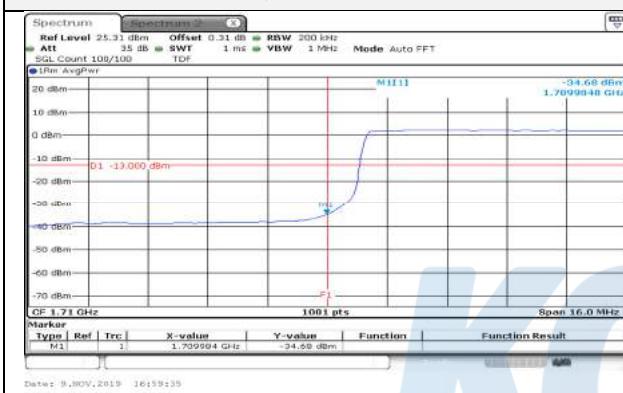
20M BW / QPSK / Low ch. / 1RB



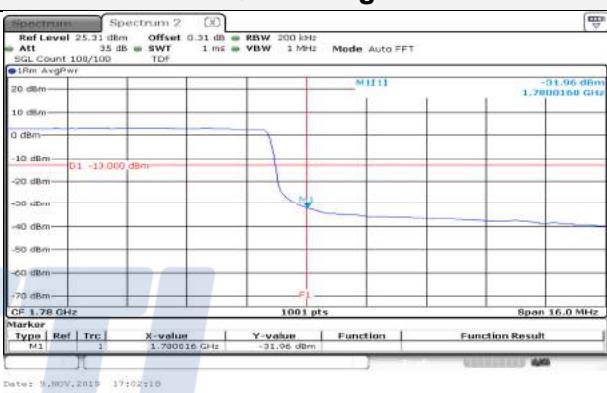
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20M BW / QPSK / Low ch. / FRB



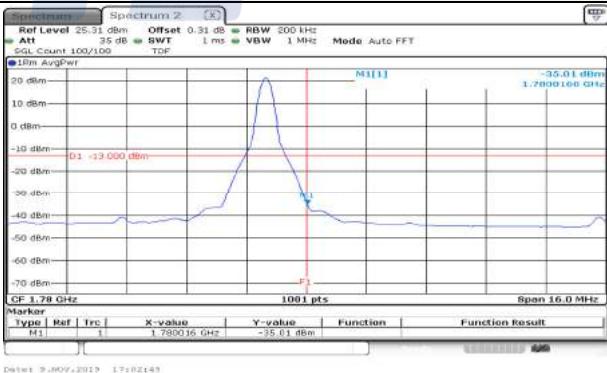
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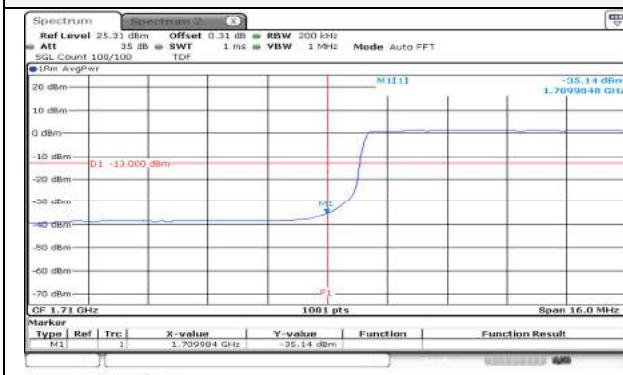
20M BW / 16QAM / Low ch. / 1RB



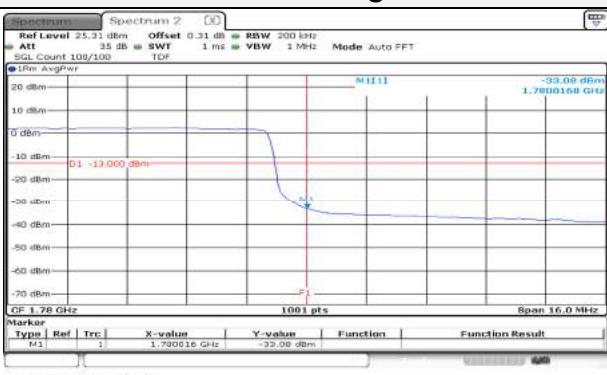
20M BW / 16QAM / High ch. / 1RB



20M BW / 16QAM / Low ch. / FRB



20M BW / 16QAM / High ch. / FRB



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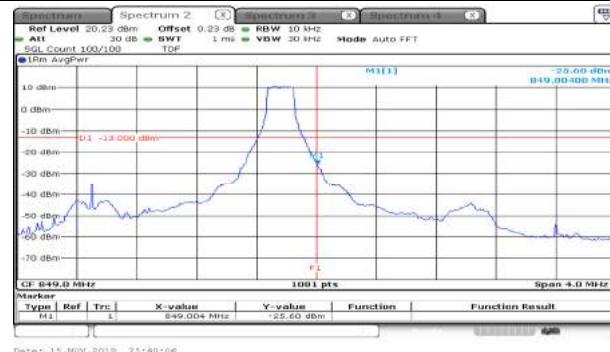
KCTL-TIR001-003/2

Test mode: LTE Band 5

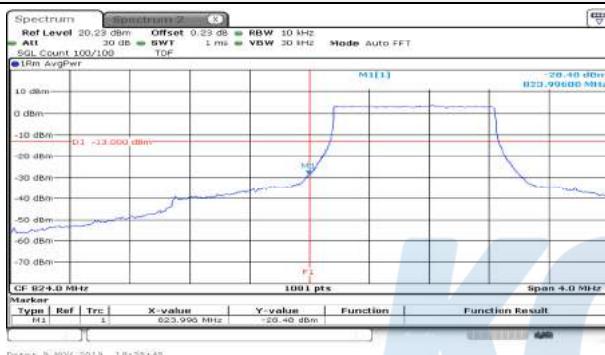
1.4M BW / QPSK / Low ch. / 1RB



1.4M BW / QPSK / High ch. / 1RB



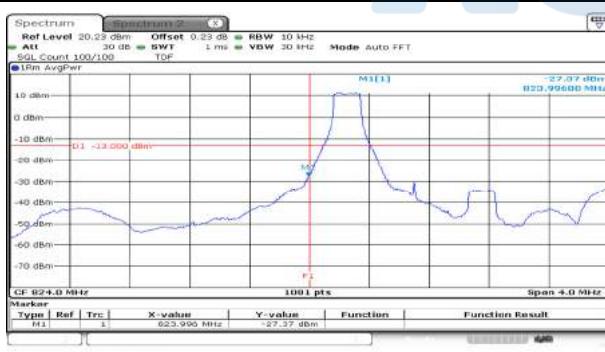
1.4M BW / QPSK / Low ch. / FRB



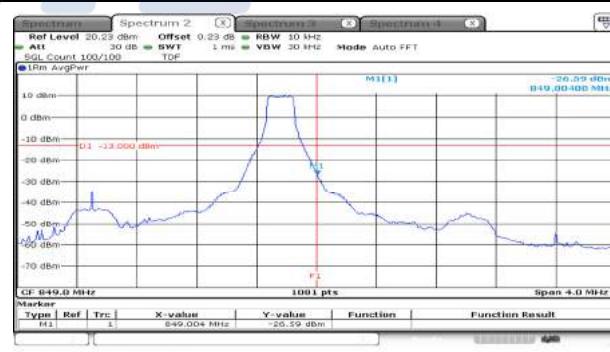
1.4M BW / QPSK / High ch. / FRB



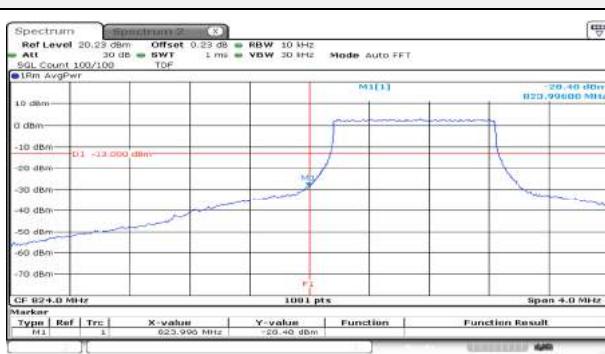
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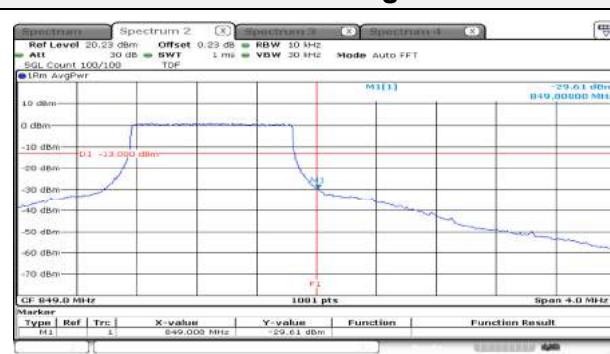
1.4M BW / 16QAM / High ch. / 1RB



1.4M BW / 16QAM / Low ch. / FRB



1.4M BW / 16QAM / High ch. / FRB



KCTL Inc.

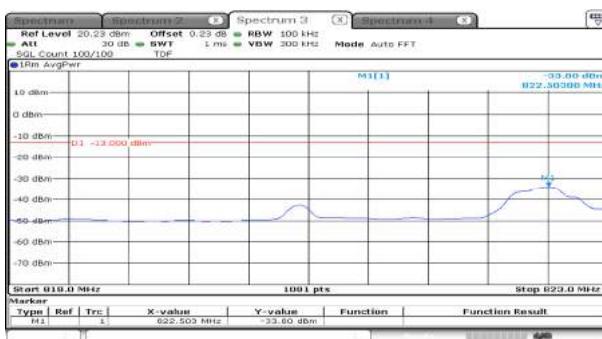
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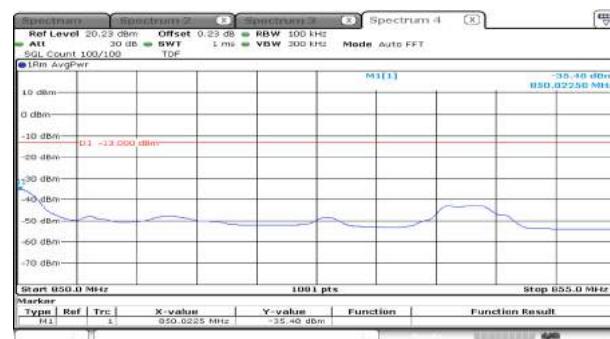
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KCTL

1.4M BW / QPSK / Lower extended / 1RB



1.4M BW / QPSK / Upper extended / 1RB



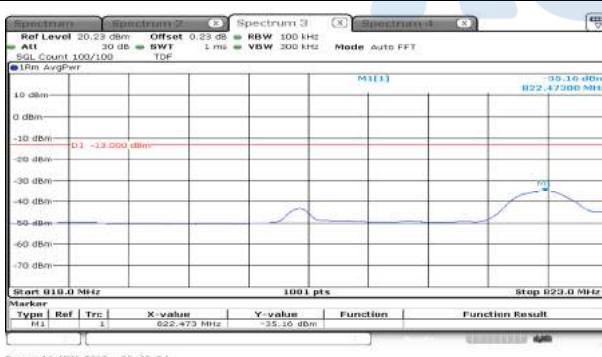
1.4M BW / QPSK / Lower extended / FRB



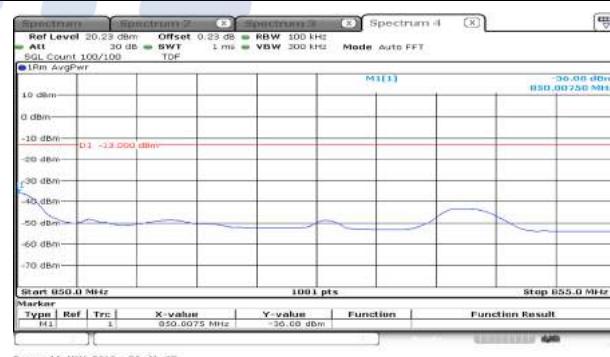
1.4M BW / QPSK / Upper extended / FRB



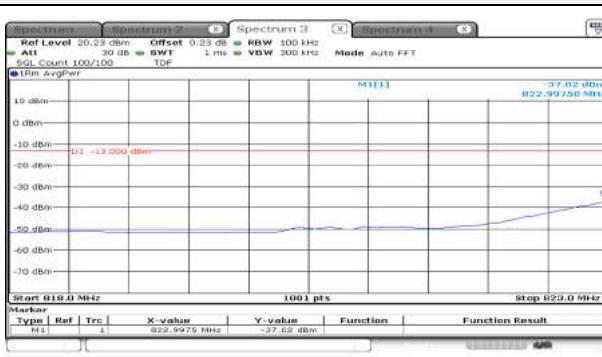
1.4M BW / 16QAM / Lower extended / 1RB



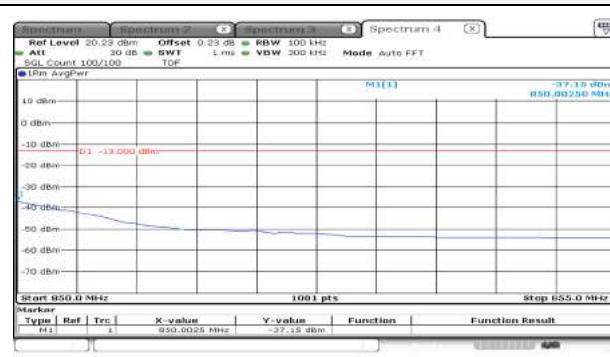
1.4M BW / 16QAM / Upper extended / 1RB



1.4M BW / 16QAM / Lower extended / FRB



1.4M BW / 16QAM / Upper extended / FRB



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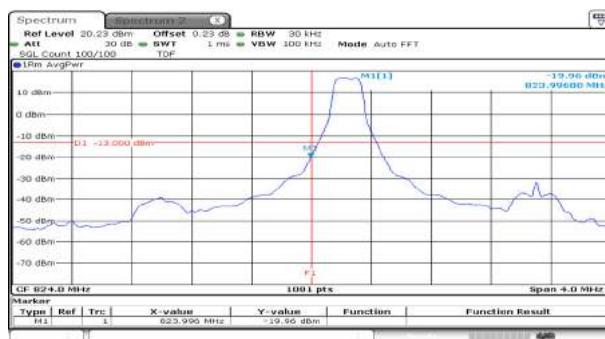
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
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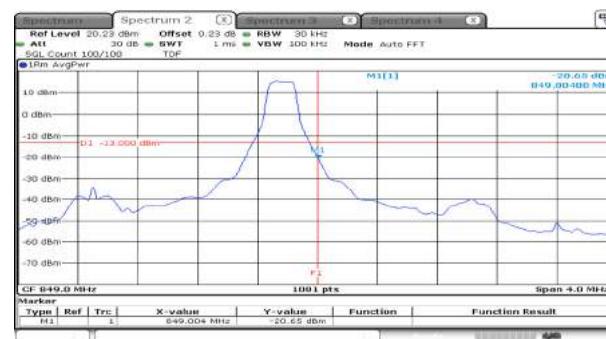
KCTL

3M BW / QPSK / Low ch. / 1RB



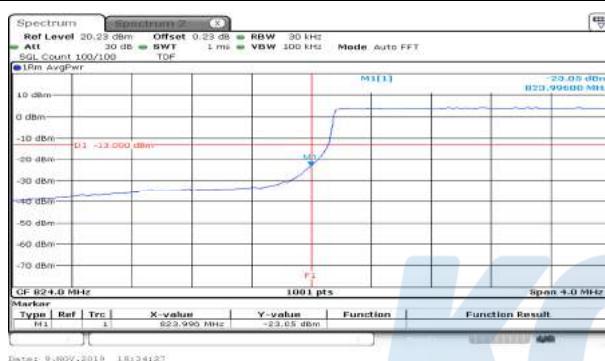
Date: 9.NOV.2019 18:34:18

3M BW / QPSK / High ch. / 1RB



Date: 15.NOV.2019 23:34:52

3M BW / QPSK / Low ch. / FRB



Date: 9.NOV.2019 18:34:27

3M BW / QPSK / High ch. / FRB



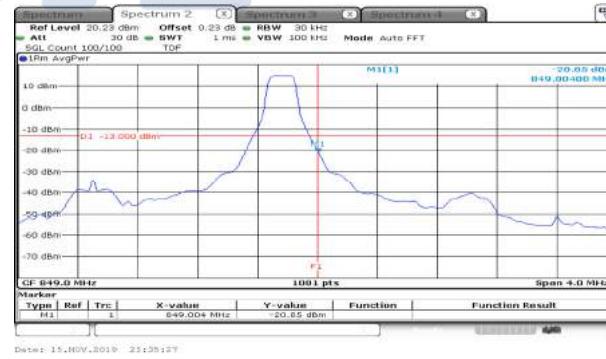
Date: 15.NOV.2019 23:35:06

3M BW / 16QAM / Low ch. / 1RB



Date: 9.NOV.2019 18:34:46

3M BW / 16QAM / High ch. / 1RB



Date: 15.NOV.2019 23:35:27

3M BW / 16QAM / Low ch. / FRB



Date: 9.NOV.2019 18:35:03

3M BW / 16QAM / High ch. / FRB



Date: 15.NOV.2019 23:35:29

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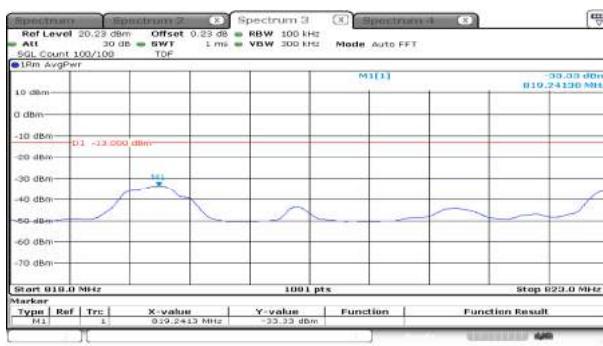
65, Sinwon-ro, Yeongtong-gu,
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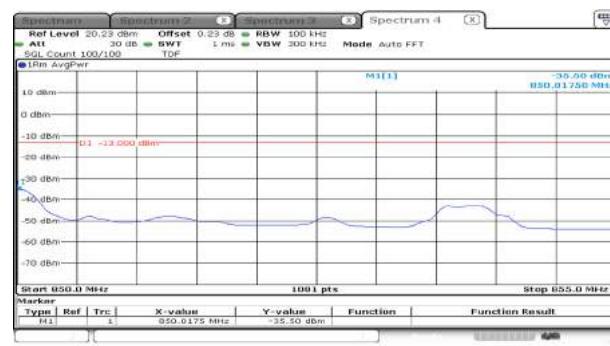
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KCTL

3M BW / QPSK / Lower extended / 1RB



3M BW / QPSK / Upper extended / 1RB



3M BW / QPSK / Lower extended / FRB



3M BW / QPSK / Upper extended / FRB



3M BW / 16QAM / Lower extended / 1RB



3M BW / 16QAM / Upper extended / 1RB



3M BW / 16QAM / Lower extended / FRB



3M BW / 16QAM / Upper extended / FRB



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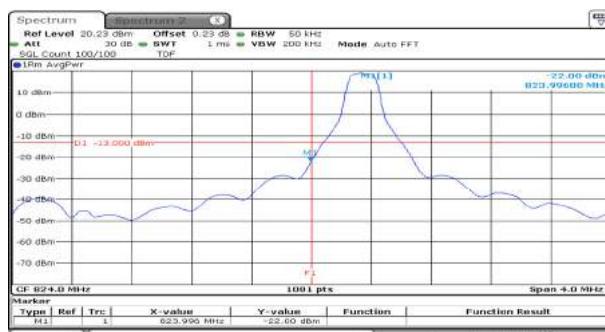
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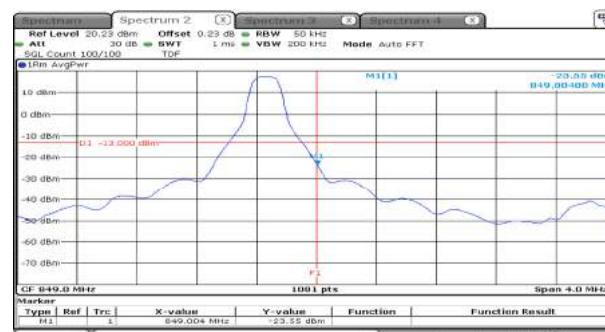
KCTL

5M BW / QPSK / Low ch. / 1RB



Date: 9.NOV.2019 18:45:18

5M BW / QPSK / High ch. / 1RB



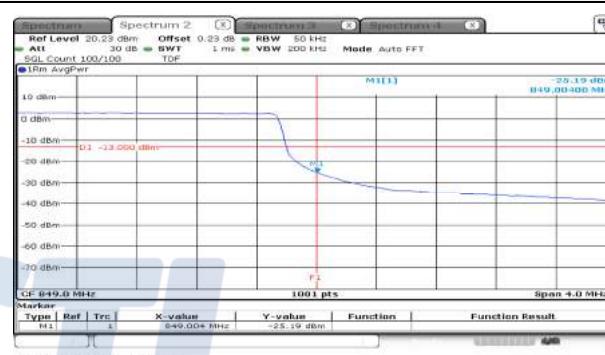
Date: 15.NOV.2019 23:41:49

5M BW / QPSK / Low ch. / FRB



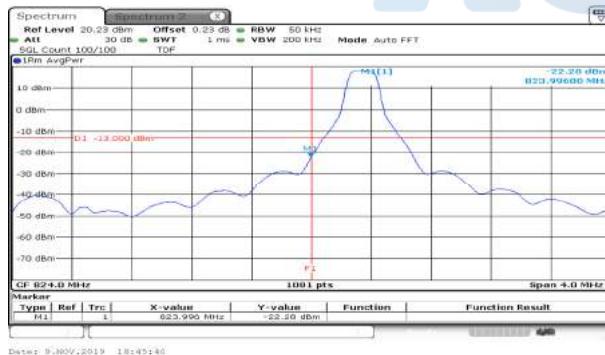
Date: 9.NOV.2019 18:45:28

5M BW / QPSK / High ch. / FRB



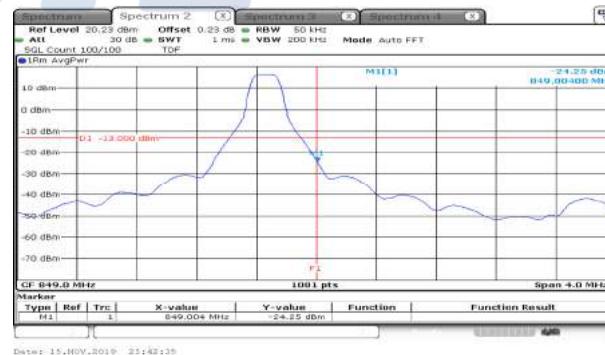
Date: 15.NOV.2019 23:45:16

5M BW / 16QAM / Low ch. / 1RB



Date: 9.NOV.2019 18:45:40

5M BW / 16QAM / High ch. / 1RB



Date: 15.NOV.2019 23:42:35

5M BW / 16QAM / Low ch. / FRB



Date: 9.NOV.2019 18:45:55

5M BW / 16QAM / High ch. / FRB



Date: 15.NOV.2019 23:43:03

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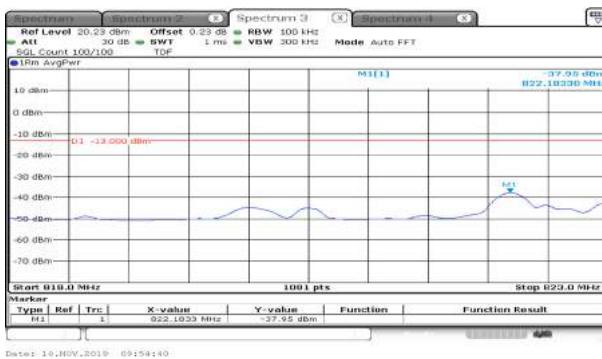
65, Sinwon-ro, Yeongtong-gu,
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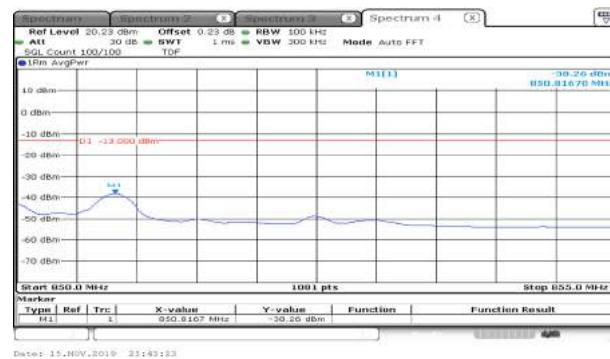
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KCTL

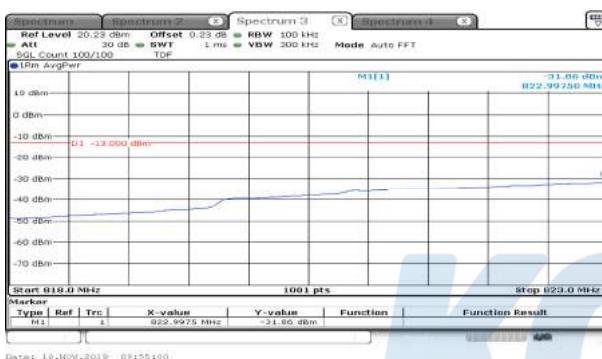
5M BW / QPSK / Lower extended / 1RB



5M BW / QPSK / Upper extended / 1RB



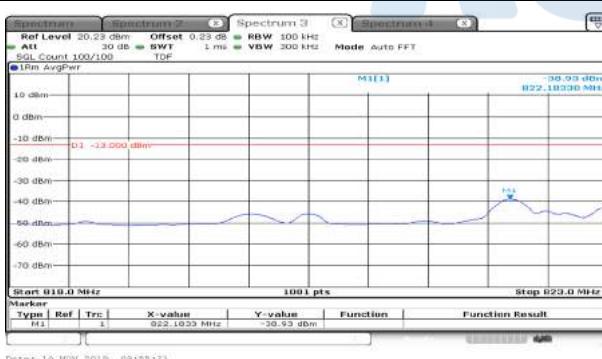
5M BW / QPSK / Lower extended / FRB



5M BW / QPSK / Upper extended / FRB



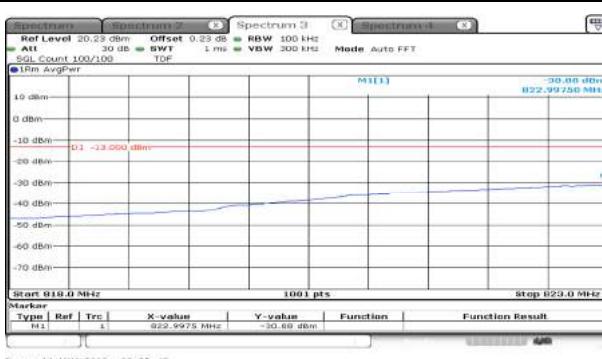
5M BW / 16QAM / Lower extended / 1RB



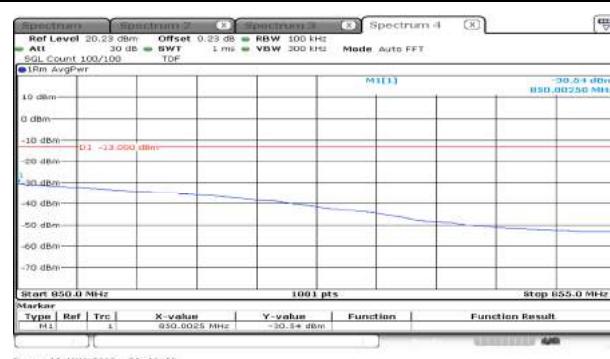
5M BW / 16QAM / Upper extended / 1RB



5M BW / 16QAM / Lower extended / FRB



5M BW / 16QAM / Upper extended / FRB



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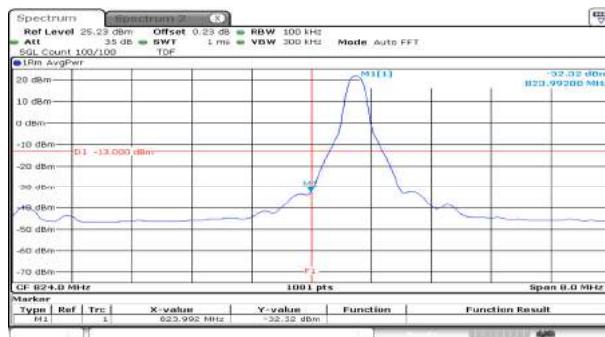
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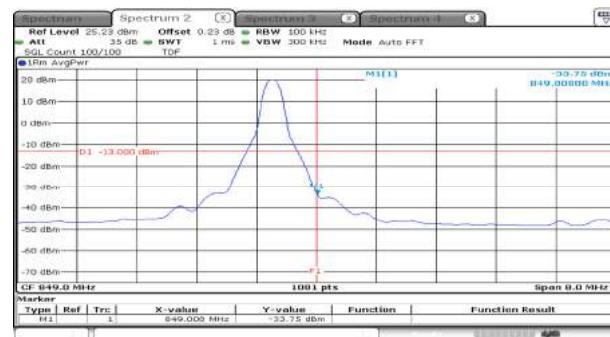
KCTL

10M BW / QPSK / Low ch. / 1RB



Date: 9.NOV.2019 18:47:15

10M BW / QPSK / High ch. / 1RB



Date: 15.NOV.2019 23:45:40

10M BW / QPSK / Low ch. / 1RB



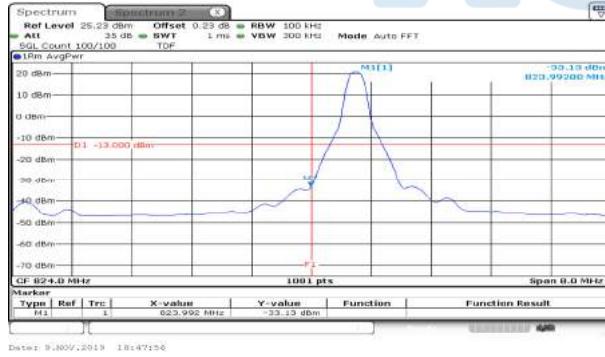
Date: 9.NOV.2019 18:47:32

10M BW / QPSK / High ch. / 1RB



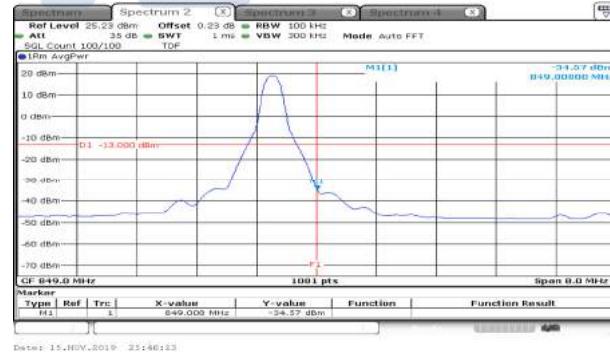
Date: 15.NOV.2019 23:45:59

10M BW / 16QAM / Low ch. / 1RB



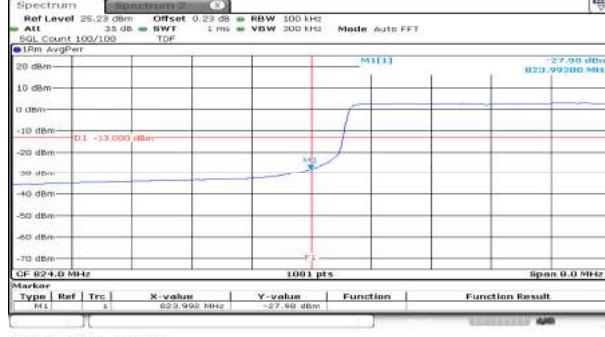
Date: 9.NOV.2019 18:47:56

10M BW / 16QAM / High ch. / 1RB



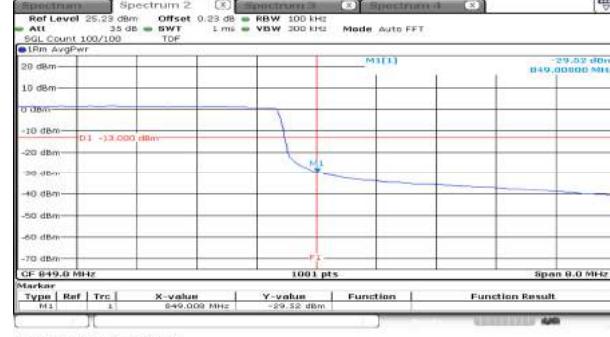
Date: 15.NOV.2019 23:46:33

10M BW / 16QAM / Low ch. / 1RB



Date: 9.NOV.2019 18:48:15

10M BW / 16QAM / High ch. / 1RB



Date: 15.NOV.2019 23:46:50

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