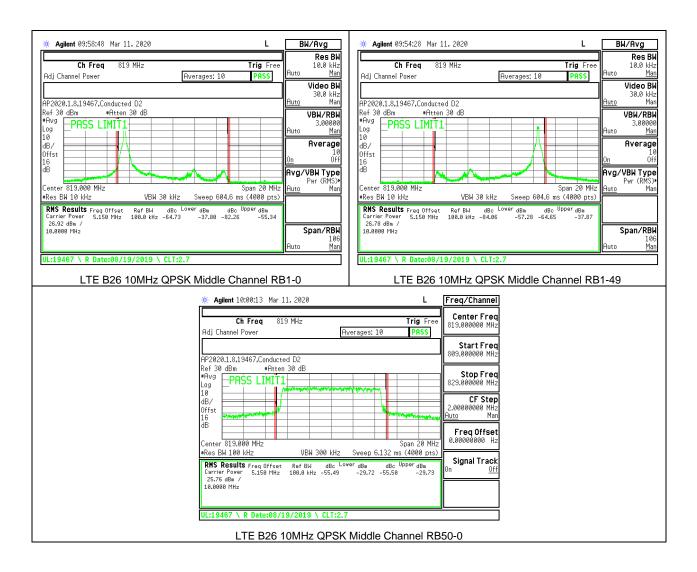


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### 8.2.10. LTE BAND 30 ADJACENT CHANNEL POWER

#### **LIMITS**

#### FCC: §27.53

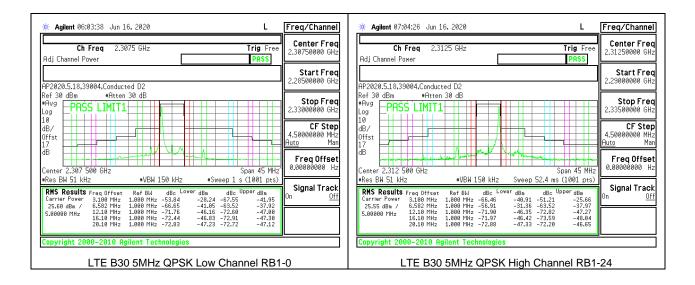
(a) For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

(4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

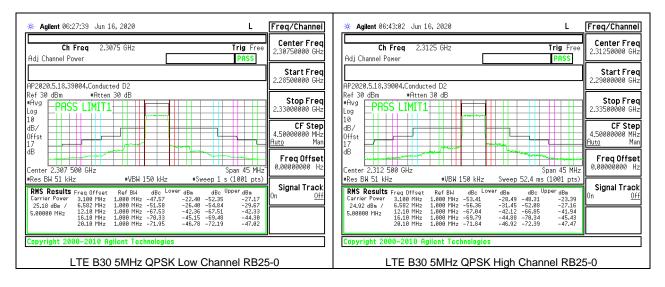
(i) By a factor of not less than:  $43 + 10 \log (P) dB$  on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2328 MHz and 2337 MHz;

(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;

(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.



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# 8.2.11. LTE BAND 41 AND 5G NR Band n41 ADJACENT CHANNEL POWER

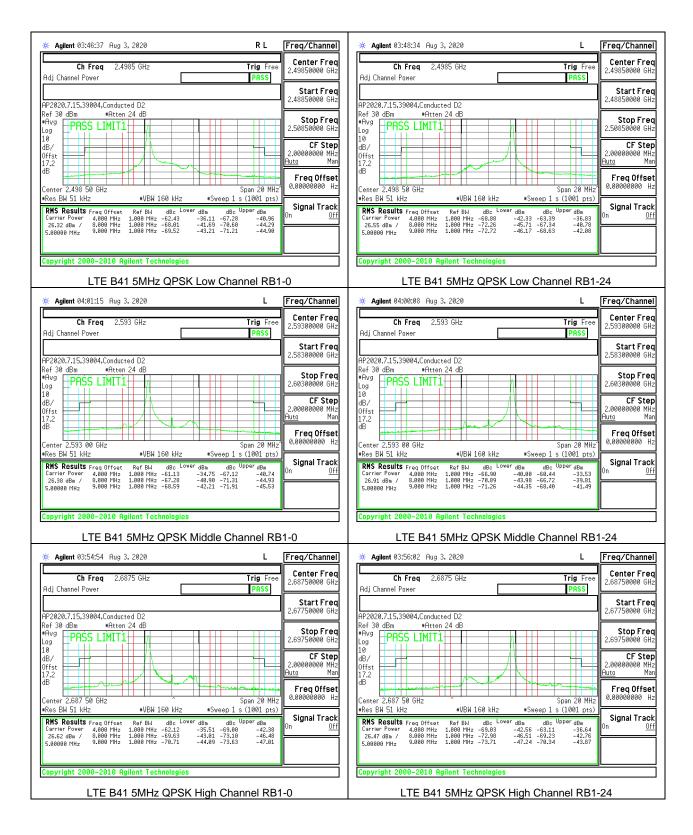
#### **LIMITS**

FCC: §27.53

(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between 5 between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees.

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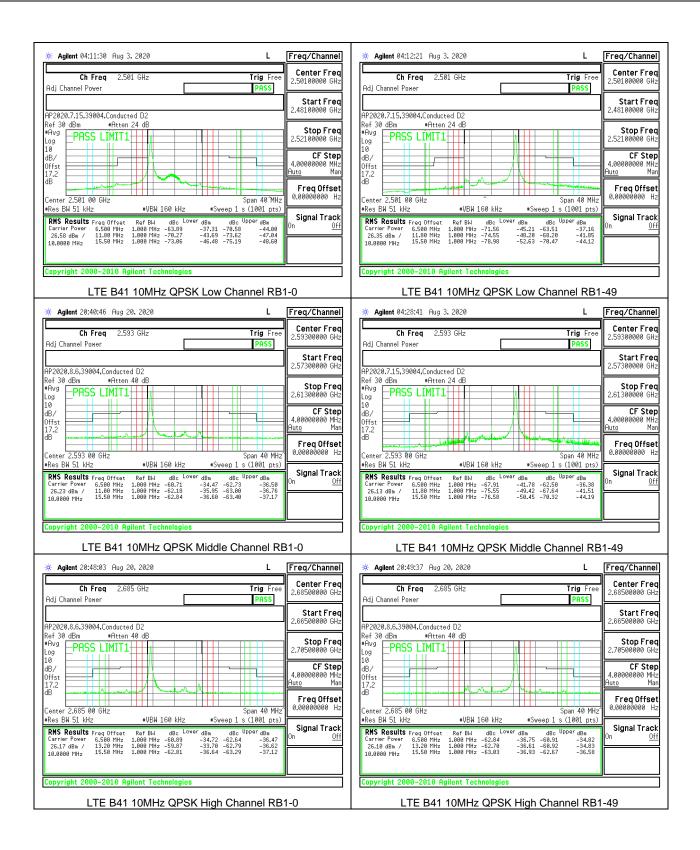
# LTE BAND 41 ADJACENT CHANNEL POWER



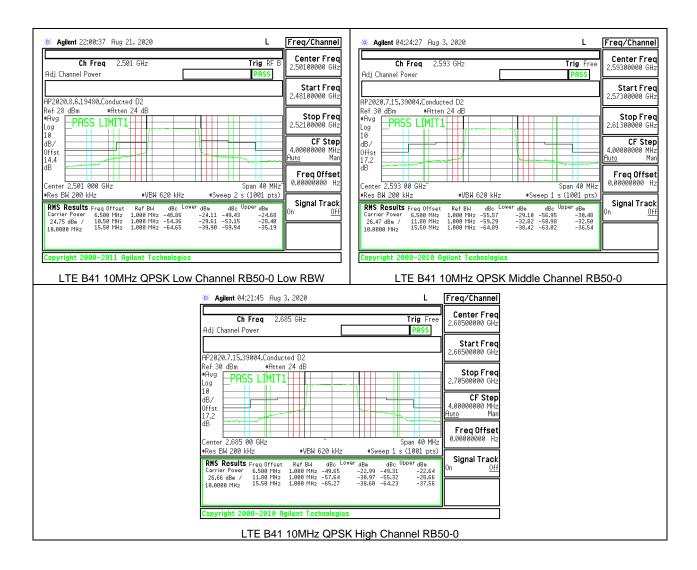
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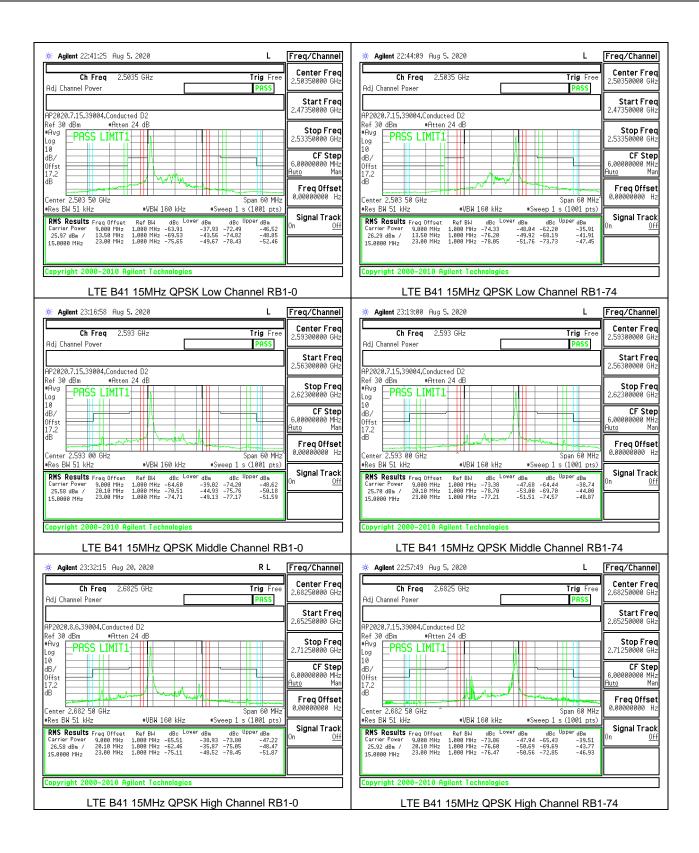
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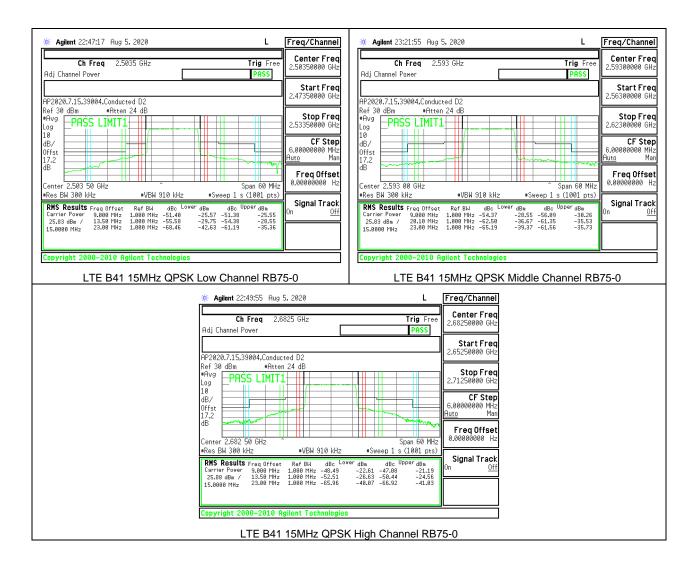
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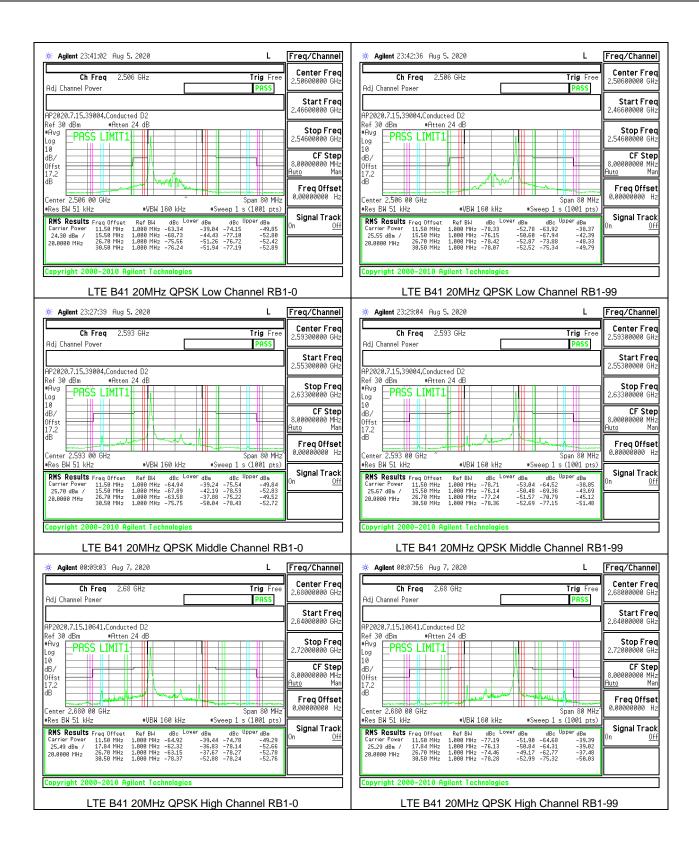
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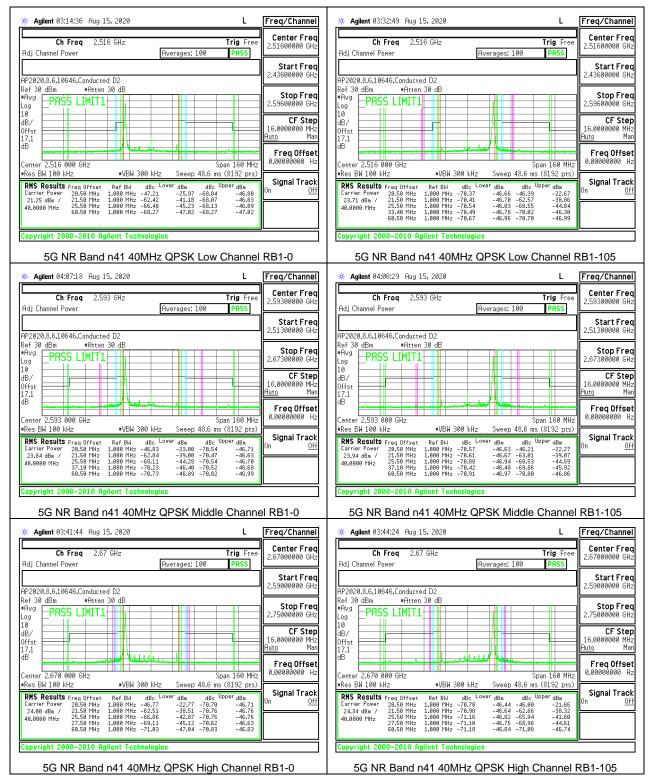


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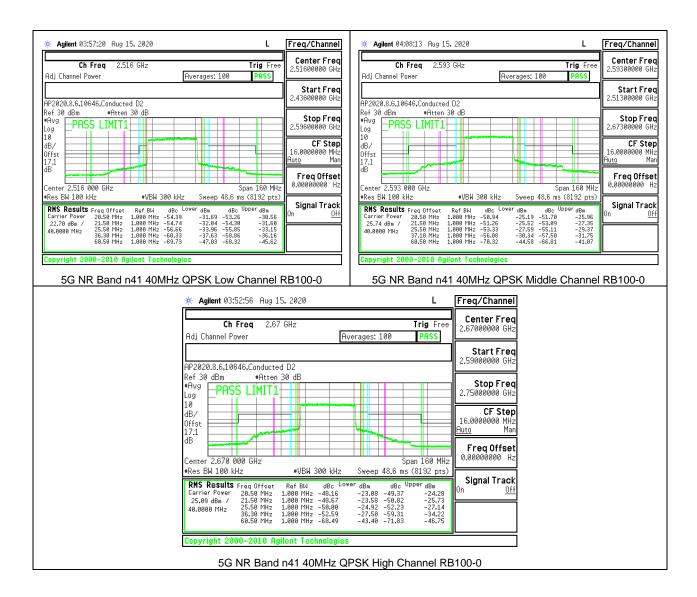


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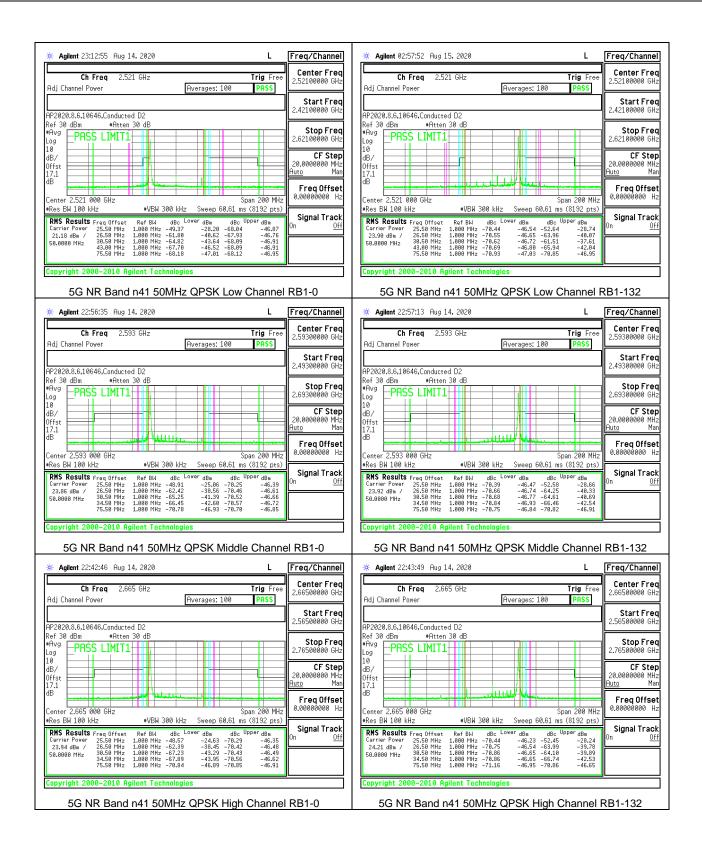
# 5G NR Band n41 ADJACENT CHANNEL POWER



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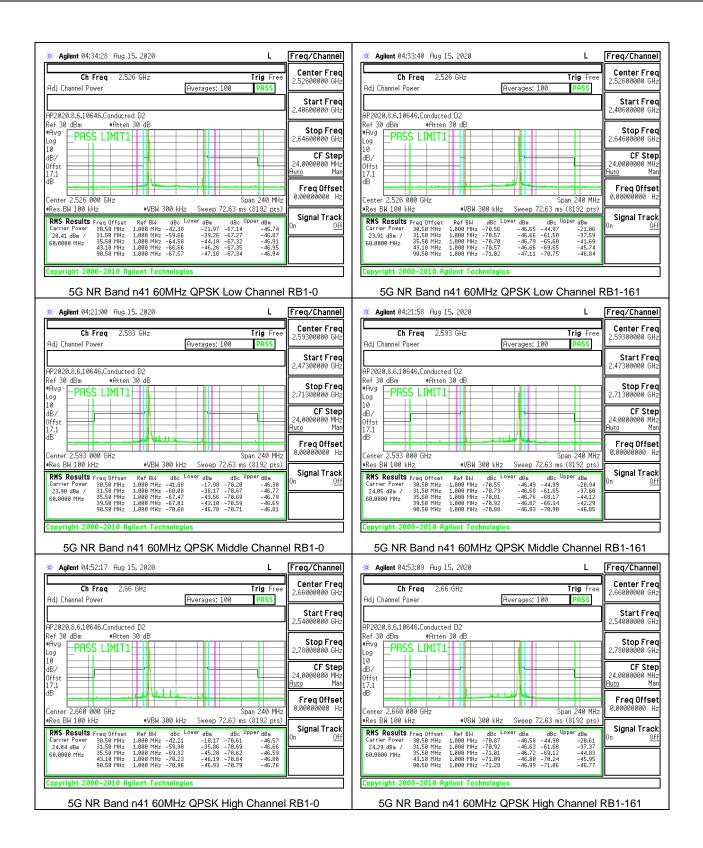
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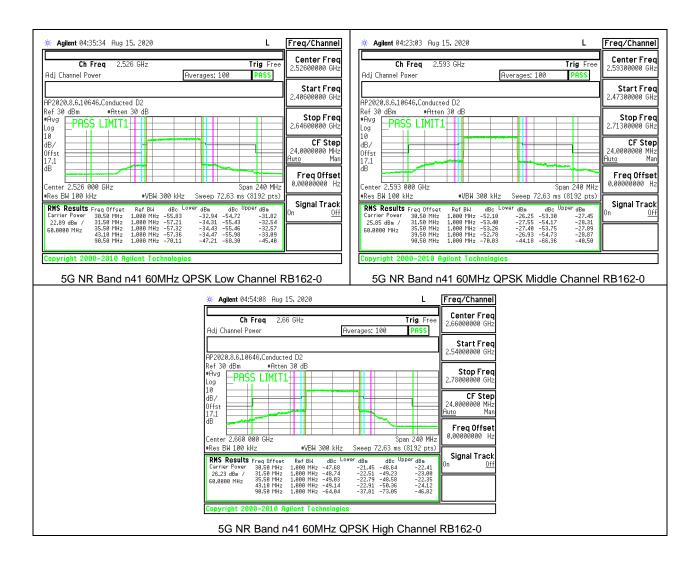
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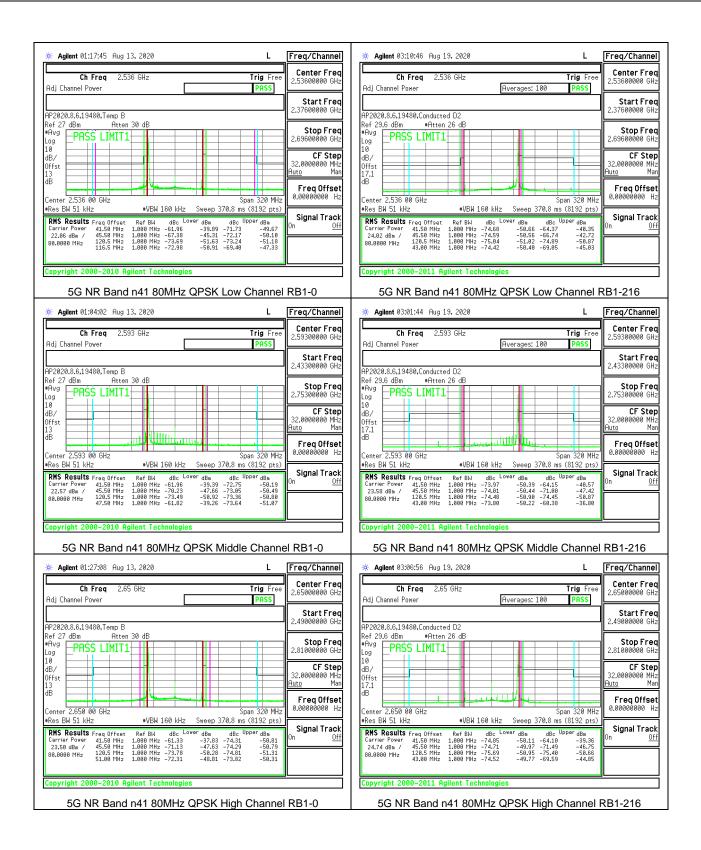
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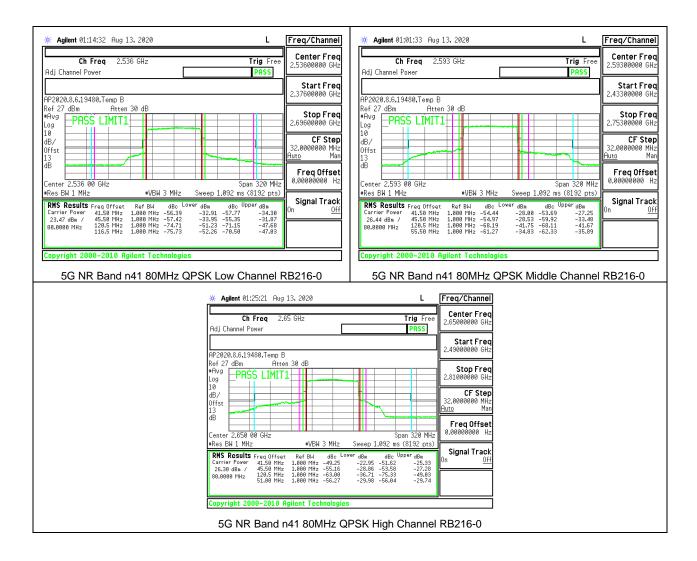
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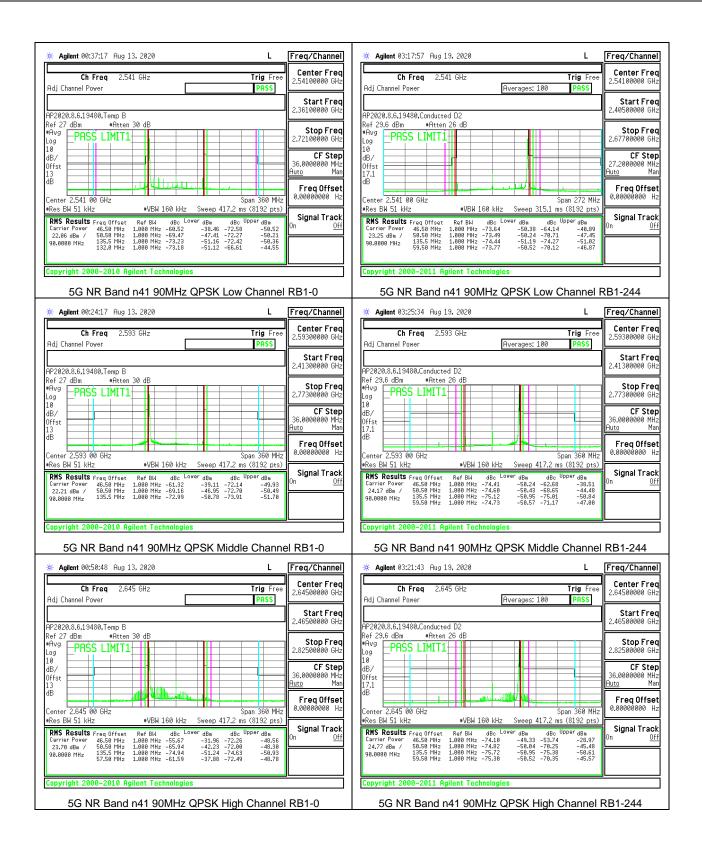
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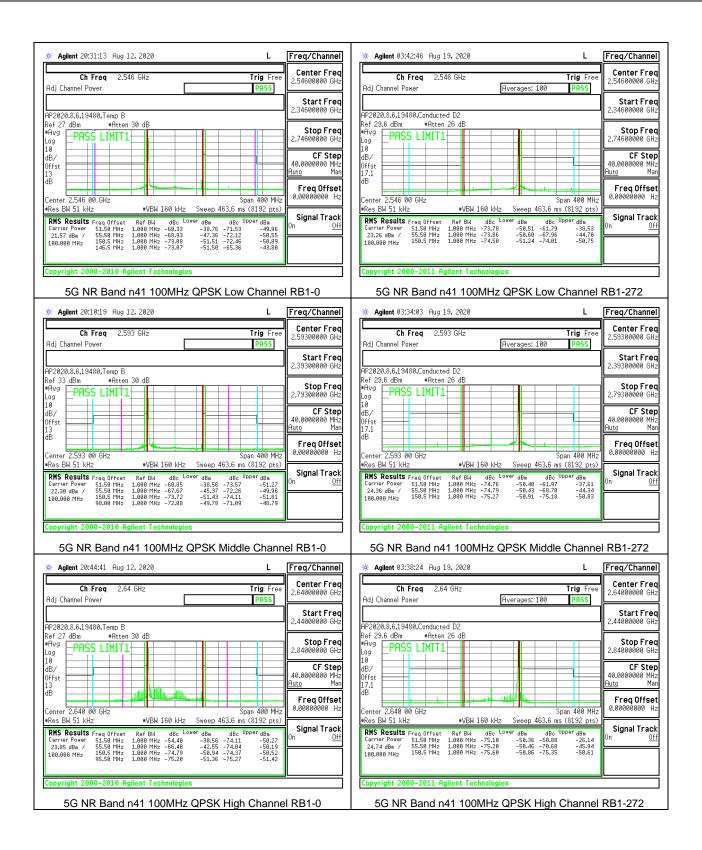
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Ch Freq         2.546 GHz         Trig         Free         2.5           Adj Channel Power         PRSS         PRSS         2.3           AP20208.6.19480,Temp B         Ref 27 dBm         *Atten 30 dB         40           Hay         PRSS LIMIT1         40         40           Log         10         40         40           Log         10         40         40           Center 2.546 00 GHz         *VBH 3 MHz         Sweep 1.638 ms (8192 pts)	eq/Channel           Center Freq           54600000 GHz           Start Freq           34600000 GHz           Stop Freq           76600000 GHz           0.0000000 GHz           0.0000000 HHz           Freq Offset           .00000000 Hz           Signal Track           Off	Ch Freq         2.593 GHz         Trig         Free           Adj Channel Power         PASS         PAS	Freq/Channel           Center Freq           2.59300000 GHz           Start Freq           2.49300000 GHz           Stop Freq           2.69300000 GHz           CF Step           20.000000 HHz           CF Step           0.0000000 HHz           Signal Track           On         Off
Carrier Pover         51.56 HHz         1           25.56 dbm /         55.66 HHz         1           180.000 HHz         150.5 HHz         1           05.56 HHz         1         95.56 HHz         1           Copyright 2000-2010 Agil         100.000         100.000	:, 2020 GHz IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	-30.33 -56.48 -30.92 -26.52 -56.55 -30.90 -43.82 -76.78 -51.22 -30.49 -78.68 -53.12	<u>RB270-0</u>

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## 8.2.12. LTE BAND 48 ADJACENT CHANNEL POWER

#### **LIMITS**

FCC: §96.41

(e) 3.5 GHz Emissions and Interference Limits-

(1) General protection levels

(ii) Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

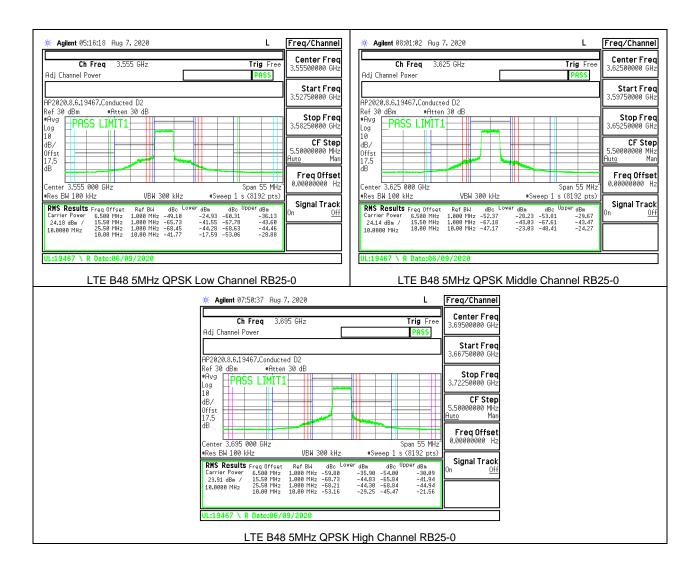
(2) Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

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# LTE BAND 48 ADJACENT CHANNEL POWER



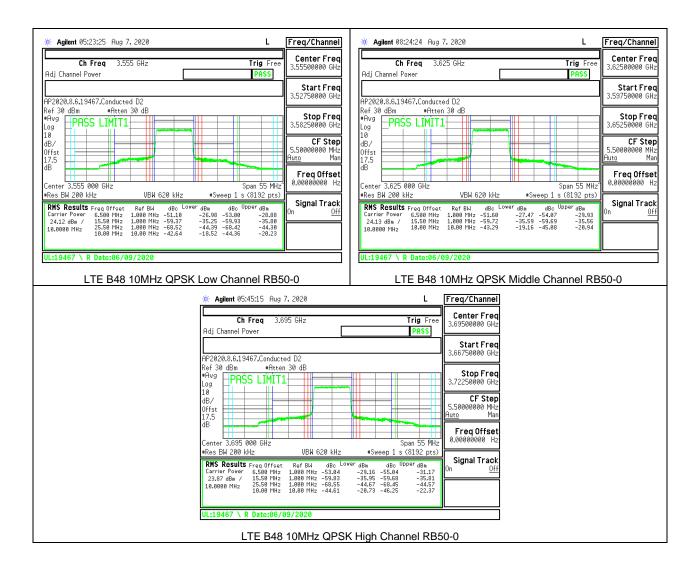
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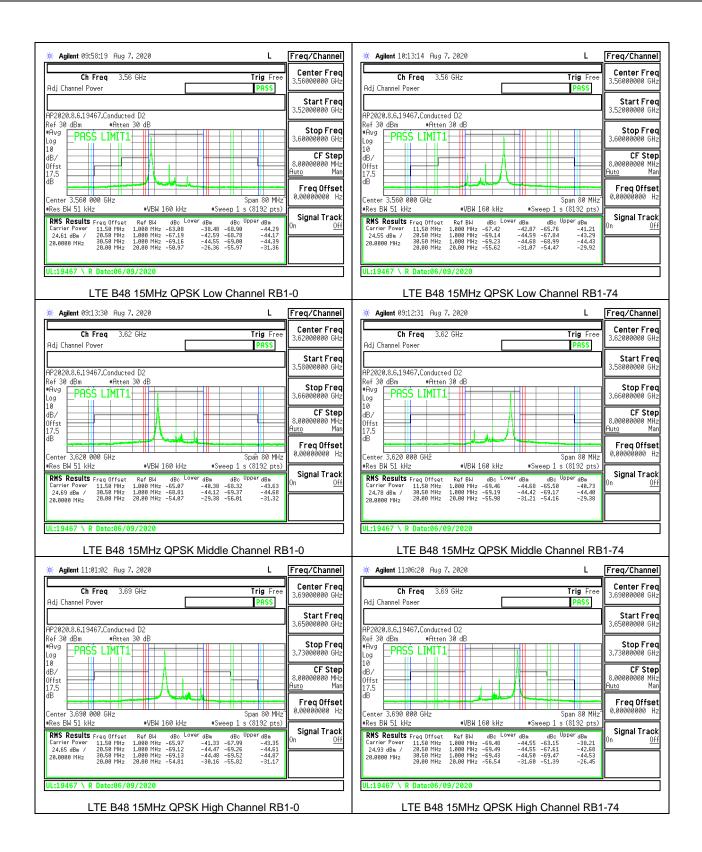
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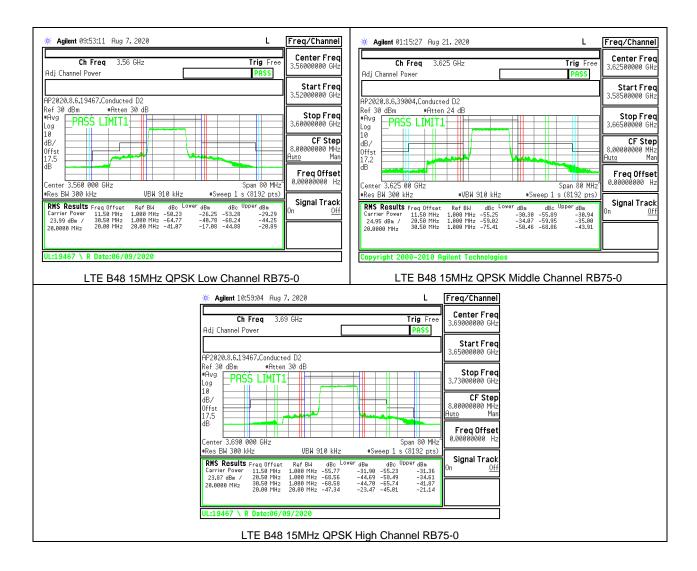
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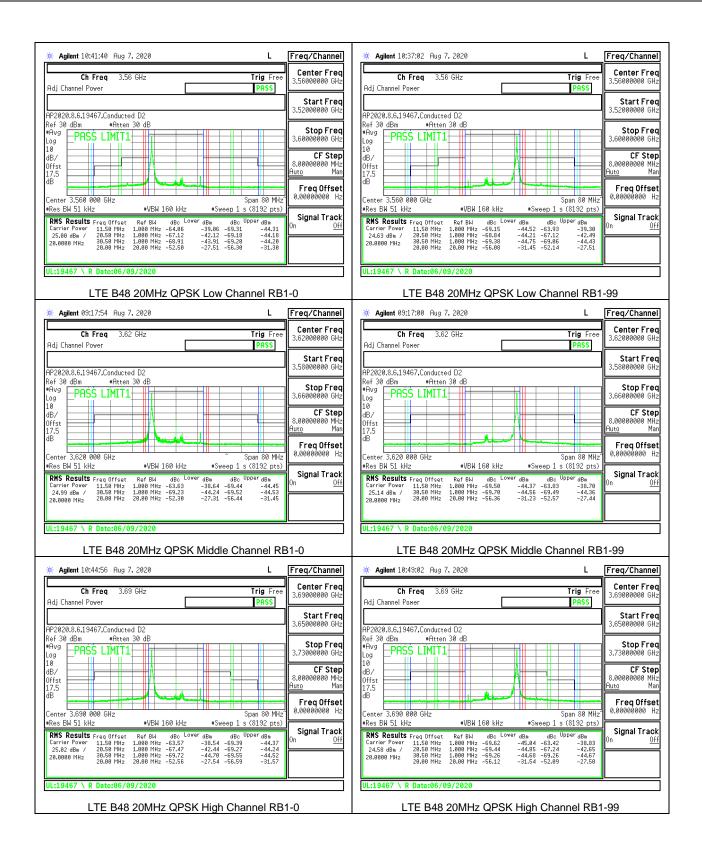
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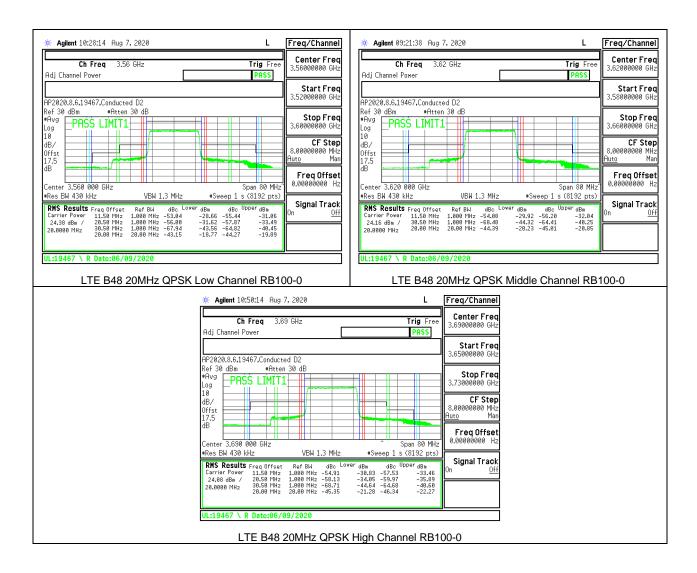
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# 8.2.13. LTE BAND 66 BANDEDGE

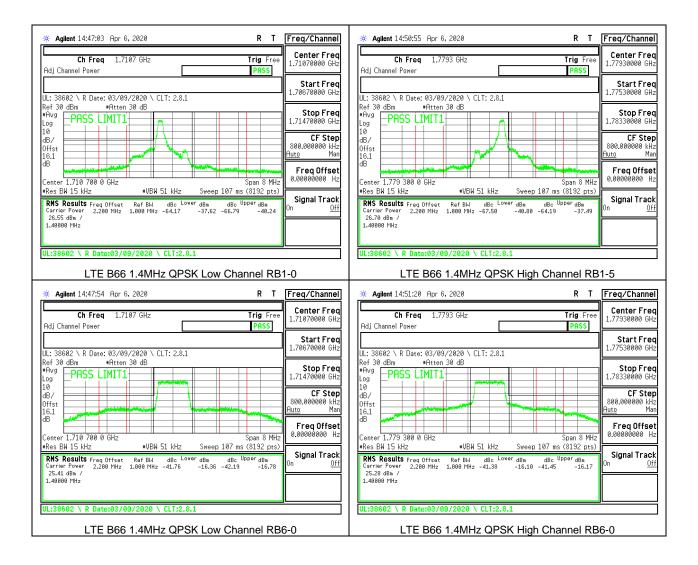
### LIMITS

FCC: §27.53(h)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

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### LTE BAND 66 BANDEDGE



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* Agilent 14:53:54         Apr 6, 2020         R         T         Freq/Channel           Ch Freq         1.7115         GHz         Center Freq         1.71150000         GHz           Adj Channel Power         PRSS         PRSS         Start Freq         1.71150000         GHz           UL: 38602 \ R Date:         03/09/2020 \ CLT:         2.8.1         GHz         Start Freq         1.70650000         GHz           UL: 38602 \ R Date:         03/09/2020 \ CLT:         2.8.1         GHz         Start Freq         1.70650000         GHz           Log         Offst         GHZ         GHZ         GHZ         Stop Freq         1.71650000         GHz           16:1         GHZ         GHZ <td< th=""><th>Agilent 14:58:55         Apr 6, 2020         R         T         Freq/Channel           Ch         Freq         1.7785 GHz         Trig         Free         1.77850000 GHz           Adj Channel Power         PRSS         PRSS         Start Freq         1.77850000 GHz           UL:         38602 \ R         Date:         03/09/2020 \ CLT:         2.8.1         Freq         1.77850000 GHz           UL:         38602 \ R         Date:         03/09/2020 \ CLT:         2.8.1         Freq         1.77850000 GHz           UL:         38602 \ R         Date:         03/09/2020 \ CLT:         2.8.1         Freq         1.77850000 GHz           U:         9         PRSS         LIMIT1         Image: Comparison of the transmitted of th</th></td<>	Agilent 14:58:55         Apr 6, 2020         R         T         Freq/Channel           Ch         Freq         1.7785 GHz         Trig         Free         1.77850000 GHz           Adj Channel Power         PRSS         PRSS         Start Freq         1.77850000 GHz           UL:         38602 \ R         Date:         03/09/2020 \ CLT:         2.8.1         Freq         1.77850000 GHz           UL:         38602 \ R         Date:         03/09/2020 \ CLT:         2.8.1         Freq         1.77850000 GHz           UL:         38602 \ R         Date:         03/09/2020 \ CLT:         2.8.1         Freq         1.77850000 GHz           U:         9         PRSS         LIMIT1         Image: Comparison of the transmitted of th
•Res BW 15 kHz         •VBW 51 kHz         Sweep 133.2 ms (8192 pts) <b>RMS Results</b> Freq Offset         Ref BW         dBc. Lower dBm         dBc. Upper dBm           26.16 dBm /         3.0000 MHz         1.000 MHz         -61.34         -35.18         -68.48         -42.32           UL:38602 \ R Date:03/09/2020 \ CLT:2.8.1         LTE B66 3MHz QPSK Low Channel RB1-0	IRES BW 15 kHz         •VBW 51 kHz         Sweep 133.2 ms (8192 pts)           RMS Results Freq Offset Ref BW dBc Lover dBm dBc Upper dBm Carrier Pover 3.000 MHz         Generation of the test of te
Agilent 14:54:43 Apr 6, 2020     R T [Freq/Channel]	Agilent 14:59:18 Apr 6, 2020     R T Freq/Channel
Ch Freq         1.715 GHz         Trig         Freq         1.715 GHz           Adj Channel Power         PASS         1.715 000 0 GHz         1.7150000 0 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.70650000 GHz           Neg         PRSS LIMIT1         Image: Comparison of the start freq         1.70650000 GHz           10         B         Image: Comparison of the start freq         1.71650000 GHz           10         B         Image: Comparison of the start freq         1.71650000 GHz           10         CF Step         Stop Freq         1.71650000 GHz           11         Image: Comparison of the start freq         1.71650000 GHz           10         Center 1.711 500 0 GHz         Stop Freq           *Res BN 30 kHz         *VBM 91 kHz         Sweep 33.86 ms (8129 zps)           Ref Results Freq Dffset         Ref BH         dBc Lower dBm         dBc Upper dBm           25.69 dBm /         3.8080 MHz         1.808 MHz         -28.73 - 46.94         -21.25           Signal Track         On         Off         UL:38602 \ R Date:03/09/2020 \ CLT:2.8.1         Signal Track	Ngdutt 14:3010         Tpl 01:0000         Trig
LTE B66 3MHz QPSK Low Channel RB15-0	LTE B66 3MHz QPSK High Channel RB15-0

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* Agilent 15:01:53 Apr 6, 2020         R T         Freq/Channel           Ch Freq         1.7125 GHz         Trig         Free           Adj Channel Power         PASS         1.71250000 GHz         1.71250000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         *Atten 30 dB         *Atten 30 dB         Start Freq           *Agi PRSS         *Atten 30 dB         *Atten 40         Trig         1.70500000 GHz           U: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         *Atten 30 dB         *Atten 40         Stop Freq           1.70900000 GHz         1.70900000 GHz         1.70900000 GHz         1.70900000 GHz         1.70900000 GHz           10         Gr Stop Freq         1.50000000 MHz         Huto         Man	**         Agilent 15:05:26         Apr 6, 2020         R         T         Freq/Channel           Ch         Freq         1.7775         GHz         Trig         Free         1.77750000         GHz           Adj Channel Power         PRSS         PRSS         1.777500000         GHz         Start Freq         1.777600000         GHz           UL:         38602 \ R         Date:         03/09/2020 \ CLT:         2.8.1         Start Freq         1.77800000         GHz           UL:         38602 \ R         Date:         03/09/2020 \ CLT:         2.8.1         Trig         Trig
Image: Center 1.712 500 0 GHz         Span 15 MHz         Span 15 MHz         Operation         Span 15 MHz         Operation         Span 15 MHz         Operation         Span 15 MHz         Span 16 Mz         Span 16 Mz         Span 15 MHz         Span 15 MHz         Span 16 Mz         Span 16 Mz         Span 17 Mz         Span 1	Image: Center 1.777 500 0 GHz         *VBW 51 kHz         Span 15 MHz         Freq 0ffset           •Res BW 15 kHz         *VBW 51 kHz         Sweep 199.9 ms (8192 pts)         Signal Track           Carrier Power         4.0808 MHz         1.0808 MHz         -43.34         -62.86         -35.92           26.14 d8m         J         Signal Track         0m         Off           UL:38602 \ R Date:03/09/2020 \ CLT:2.8.1         LTE B66 5MHz QPSK High Channel RB1-24
* Agilent 15:02:43 Apr 6, 2020 R T [Freq/Channel]	* Agilent 15:05:51 Apr 6, 2020 R T [Freq/Channel]
Ch Freq         1.7125 GHz         Trig         Free         Center Freq           Adj Channel Power         PRSS         1.71250000 GHz         1.71250000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.70500000 GHz           Wug         PRSS         Start Freq         1.70500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Stop Freq         1.70500000 GHz           Wug         PRSS         LIMIT 1         PRSS         Stop Freq           10         PRSS         LIMIT 1         PRSS         Stop Freq           110         PRSS         Stop Freq         1.50000000 Hz         Stop Freq           101         PRSS         Swep 17.47 ms (8192 pts)         Signal Track         Preq Offset           Center 1.712 500 0 GHz         L000 HHz         Stop Freq         Signal Track         On         Off           25.63 dbm / L         L000 HHz         L000 HHz         -25.01 - 49.24         -23.61         Signal Track	Ch Freq         1.7775 GHz         Trig         Free         Center Freq           Adj Channel Power         PRSS         I.77750000 GHz         Start Freq         1.77750000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.7760000 GHz         Stop Freq           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Filter 30 dB         Stop Freq         1.7780000 GHz           PRSS         IMIT1         Image: Stop Freq         1.78500000 GHz         Stop Freq           16.1         Image: Stop Freq         1.78500000 GHz         Stop Freq           Center 1.777 500 0 GHz         #VBW 160 KHz         Span 15 MHz         B.000000 GHz           *Res BW 51 kHz         #VBW 160 kHz         Sweep 17.47 ms (8192 pts)         Signal Track           Carrier Power         4.080 MHz         1.080 MHz         -17.81         -17.93           Signal Track         Image: Start Res         Image: Start Res         Image: Start Res         Image: Start Res           VL:38602 \ R Date:03/09/2020 \ CLT:2.8.1         VL:38602 \ R Date:03/09/2020 \ CLT:2.8.1         Image: Start Res         Image: Start Res

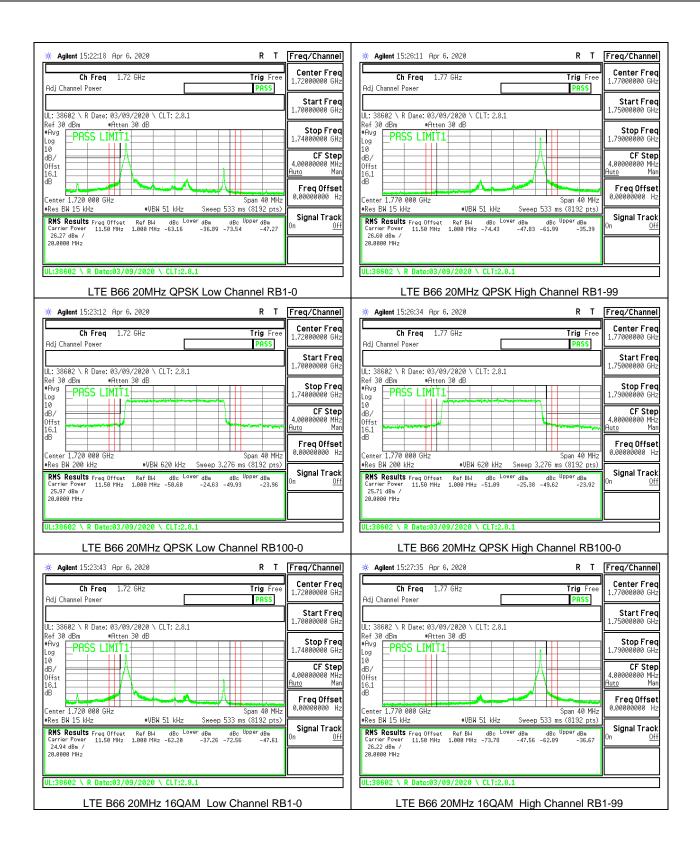
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* Agilent 15:08:29 Apr 6, 2020 R T Freq/Channel	* Agilent 15:12:13 Apr 6, 2020 R T Freq/Channel
Ch Freq 1.715 GHz Trig Free 1.715 0Hz 1.71500000 0Hz 1.71500000 0Hz	Ch Freq 1.775 GHz Trig Free Adj Channel Power PASS
UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1	UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1
Ref 30 dBm         •Atten 30 dB         Stop Freq           •Avg         PASS LIMIT1         1.73000000 GHz	Ref 30 dBm *Atten 30 dB *Avg PRSS LIMIT1
10 dB/ Offst 16.1 16	10 CF Step 3.00000000 MHz 16.1 A A A A A A A A A A A A A A A A A A A
dB Center 1.715 000 GHz +Res BH 15 kHz ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	dB Center 1.775 000 GHz +Res BH 15 kHz ↓ UBW 51 kHz ↓ WBW 51 kHz ↓
Res BH 15 kHz         #VBH 51 kHz         Sweep 399.7 ms (8192 pts)         Signal Track           RMS Results Freq Offset         Ref BW         dBc Lower dBm         dBc Upper dBm         On         Off           28.23 dBm /         1.000 MHz         1.000 MHz         -58.06         -38.03         -71.85         -45.62         On         Off	Res BH 15 kHz         #VBH 51 kHz         Sweep 399.7 ms (8192 pts)           RMS Results Freq Offset         Ref BW         dBc         Lower dBm         dBc         Upper dBm           Carrier Power         5.500 MHz         1.000 MHz         -72.20         -45.04         -65.00         -37.84           10.0000 MHz         1.000 MHz         1.000 MHz         1.000 MHz         -45.04         -65.00         -37.84
UL:38602 \ R Date:03/09/2020 \ CLT:2.8.1	UL:38602 \ R Date:03/09/2020 \ CLT:2.8.1
LTE B66 10MHz QPSK Low Channel RB1-0	LTE B66 10MHz QPSK High Channel RB1-49
* Agilent 15:09:22 Apr 6, 2020 R T Freg/Channel	
	Agilent 15:12:37 Apr 6, 2020         R T         Freq/Channel
Ch Freq 1.715 GHz Trig Free Center Freq 1.71500000 GHz	Agilent 15:12:3/         Apr 6, 2020         R         I         Freq/Channel           Ch         Freq         1.775         GHz         Trig         Free           Adj Channel Power         PRSS         1.77500000         GHz
Ch Freq         1.715 GHz         Trig         Free         1.71500000 GHz           Adj Channel Power         PASS         Start Freq         1.71500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Trig         Trig         Trig	Ch Freq 1.775 GHz Trig Free 1.77500000 GHz
Ch Freq         1.715 GHz         Trig         Free         1.71500000 GHz           Adj Channel Power         PASS         1.71500000 GHz         1.71500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.70000000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.70000000 GHz           PAVg         PRSS LIMIT1         1.70000000 GHz         1.73000000 GHz	Ch Freq         1.775 GHz         Trig         Free         1.77500000 GHz           Adj Channel Power         PASS         1.77500000 GHz         1.77500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.76000000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.76000000 GHz           PA's         •Atten 30 dB         •Atten 30 dB         1.76000000 GHz           I.og         PASS LIMIT1         1.79000000 GHz         1.79000000 GHz
Ch Freq         1.715 GHz         Trig         Free         Center Freq         1.71500000 GHz           Adj Channel Power         PASS         Intervention         Start Freq         1.71500000 GHz         Start Freq         1.71500000 GHz         Start Freq         1.7000000 GHz         Start Freq         1.70000000 GHz         Start Freq         1.7000000 GHz         Start Freq         1.7000000 GHz         Start Freq         1.70000000 GHz         1.700000000 GHz         1.7000000000 GHz         1.70000000 GHz         1.700000000 GHz         1.700000000 GHz         1.70000000 GHz         1.70000	Ch Freq         1.775 GHz         Trig         Freq         1.77500000 GHz           Adj Channel Power         PASS         1.77500000 GHz         1.77500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.76000000 GHz           Ref 30 dBm         •Atten 30 dB         •Stop Freq           *Atten 30 dB         1.79000000 GHz         1.79000000 GHz
Ch Freq         1.715 GHz         Trig         Free           Adj Channel Power         PRSS         1.71500000 GHz         1.71500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.70000000 GHz           Ref 30 dBm         •Atten 30 dB         •Atten 30 dB         1.70000000 GHz           PRSS         PRSS LIMIT1         CF Step         1.73000000 GHz           16.1         dB         CF Step         3.0000000 MHz           Center 1.715 000 GHz         Span 30 MHz         Freq Offset	Ch Freq         1.775 GHz         Trig         Free           Adj Channel Power         PRSS         1.77500000 GHz         Start Freq           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.7500000 GHz           Wu: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         1.7500000 GHz         Start Freq           Hyg         PRSS LIMIT1         1.7500000 GHz         Start Freq           Jg         PRSS LIMIT1         1.7500000 GHz         Start Freq           Jg         PRSS LIMIT1         1.7500000 GHz         Start Freq           Jg         0.0000000 GHz         3.0000000 GHz         Start Freq           Jg         0.0000000 GHz         1.79000000 GHz         Start Freq           Center 1.775 000 GHz         Span 30 MHz         0.0000000 Hz
Ch Freq         1.715 GHz         Trig         Freq           Adj Channel Power         PRSS         Center Freq         1.71500000 GHz           Hut:         38602 \ R Date:         03/09/2020 \ CLT:         2.8.1           Ref 30 dBm         •Atten 30 dB         •Atten 30 dB         1.70000000 GHz           10         B         •Atten 30 dB         •Atten 30 dB         1.70000000 GHz           10         B         •Atten 30 dB         •Atten 30 dB         •Atten 30 dB           *Arg         •Atten 30 dB         •Atten 40         •Atten 40         1.70000000 GHz           10         B         •Atten 40         •Atten 40         0.00000000 GHz         1.73000000 GHz           16.1         •Atten 40         •Atten 40         •Atten 40         0.00000000 MHz         0.00000000 MHz           *Res BH 100 KHz         •VBH 300 KHz         Sweep 9.283 ms (8192 pts)         Signal Track         0.00000000 Hz           Carrier Power 6.508 MHz         •UBW 300 KHz         •Atten 40 B         •Dupper dBa         0.00000000 Hz         Signal Track	Ch Freq         1.775 GHz         Trig         Free           Adj Channel Power         PRSS         1.75500000 GHz         Start Freq           Hul:         38602 \ R Date:         03/09/2020 \ CLT:         2.8.1         Start Freq         1.7500000 GHz           UL:         38602 \ R Date:         03/09/2020 \ CLT:         2.8.1         1.7500000 GHz         Start Freq           UL:         38602 \ R Date:         03/09/2020 \ CLT:         2.8.1         1.7500000 GHz         1.76000000 GHz           10         B         •Atten         90 dB         1.7500000 GHz         1.79000000 GHz           16.1         B         •Atten         90 GP Freq         1.7900000 GHz         3.0000000 MHz           *Res BH 100 KHz         •VBH 300 KHz         Sweep 9.283 ms (8192 pts)         Signal Track           RMS Results Freq Offset         Ref BH         dB         Lower dB         db         Upper dB           Carrier Pover         5.500 Hz         -28.5         -28.4         -22.80         -00.00
Ch Freq         1.715 GHz         Trig         Freq         1.715 0000 GHz           Adj Channel Power         PASS         Intervention         Start Freq         1.71500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Ref 30 dB         •Atten 30 dB         Start Freq         1.7000000 GHz           UU: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Ref 30 dB         •Atten 30 dB         Stop Freq         1.7000000 GHz           Ug         •Atten 30 dB         •Atten 30 dB         •Atten 30 dB         Stop Freq         1.7000000 GHz           10/         •Atten 30 dB         •Atten 30 dB         •Atten 30 dB         Stop Freq         1.7000000 GHz           16.1         •Atten 30 dB         •Atten 30 dB         •Atten 40 dB         •Atten 40 dB         0.0000000 Hz           16.1         •Atten 40 dB         •Atten 40 dB         •Atten 40 dB         •Atten 40 dB         0.0000000 Hz           •Atten 1.715 000 GHz         •VBH 300 KHz         Sweep 3.283 ms (8192 pts)         •Atten 40 dB         •Atten 40 dB         •Atten 40 dB           RHS Results Freq Diffset         •VBH 300 KHz         Sweep 3.283 ms (8192 pts)         •Signal Track         •Atten 40 dB         •Atten 40 dB <td>Ch Freq         1.775 GHz         Trig         Freq         1.77500000 GHz           Adj Channel Power         PRSS         1.75500000 GHz         Start Freq         1.7500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Ref 30 dB         •Htten 30 dB         Start Freq         1.7600000 GHz           Ug         •Htten 30 dB         •Htten 30 dB         •Freq         1.7500000 GHz         Start Freq           10/         •Htten 30 dB         •Htten 30 dB         •Freq         1.7900000 GHz         Stop Freq           10/         •Grad         •Grad         •Grad         •Grad         Stop Freq           10/         •Grad         •Grad         •Grad         •Grad         •Grad         •Grad           11.7         •Grad         •Grad         •Grad         •Grad         •Grad         •Grad           10/         •Grad         •Grad</td>	Ch Freq         1.775 GHz         Trig         Freq         1.77500000 GHz           Adj Channel Power         PRSS         1.75500000 GHz         Start Freq         1.7500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Ref 30 dB         •Htten 30 dB         Start Freq         1.7600000 GHz           Ug         •Htten 30 dB         •Htten 30 dB         •Freq         1.7500000 GHz         Start Freq           10/         •Htten 30 dB         •Htten 30 dB         •Freq         1.7900000 GHz         Stop Freq           10/         •Grad         •Grad         •Grad         •Grad         Stop Freq           10/         •Grad         •Grad         •Grad         •Grad         •Grad         •Grad           11.7         •Grad         •Grad         •Grad         •Grad         •Grad         •Grad           10/         •Grad
Ch Freq         1.715 GHz         Trig         Freq           Adj Channel Power         PASS         1.71500000 GHz         1.71500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Ref 30 dB         •Atter 7 Freq         1.7000000 GHz           Ul: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         •Atter 30 dB         •Atter 7 Freq         1.7000000 GHz           Ug         •Atter 30 dB         •Atter 30 dB         •Atter 7 Freq         1.7000000 GHz           Ug         •Atter 30 dB         •Atter 30 dB         •Atter 7 Freq         1.70000000 GHz           10         •Atter 30 dB         •Atter 30 dB         •Atter 40000 GHz         •Atter 400000 GHz           110         •Atter 40000 GHz         •Atter 40000 GHz         •Atter 400000 GHz         •Atter 400000 GHz           10/         •Atter 4000 GHz         •Span 30 MHz         •Atter 400000 GHz         •Atter 4000000 GHz           *Res BH 100 KHz         •VBH 300 KHz         Sweep 9.2823 ms (8192 pts)         •Atter 4000000 Hz         •Atter 4000000 Hz           RMS Results Freq Offset         •Atter 4000 GHz           25.74 dBm /         •Atter 4000 GHz         •Atter 4000 GHz         •Atter 4000 GHz         •Atter 4000 GHz         •A	Ch Freq         1.775 GHz         Trig         Free           Adj Channel Power         PRSS         1.77500000 GHz         1.77500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Ref 30 dB         •Atter Freq         1.7500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         •Atter Freq         1.7500000 GHz         Start Freq           Udg         •Atter 30 dB         •Atter 30 dB         •Atter 40000 GHz         Stop Freq           10/         •Atter 30 dB         •Atter 30 dB         •Atter 400000 GHz         Stop Freq           16.1         •Atter 40000 GHz         •Atter 4000000 GHz         •Atter 4000000 GHz         •Atter 40000000 Hz           *Res BH 100 HHz         •VBM 300 HHz         Sweep 9.283 ms (8192 pts)         •Gen000000 Hz           RMS Results Freq Offset         •VBM 300 HHz         •Atter 46.39         -28.65         -47.84         -22.38           0:m         Offf         1.980 MHz         -46.39         -28.65         -47.84         -22.38         0m         Offf

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* Agilent 15:15:19 Apr 6, 2020 R T Freq/Channel	** Agilent 15:19:08         Apr 6, 2020         R         T         Freq/Channel
Ch Freq 1.7175 GHz Trig Free 1.71750000 GHz	Ch Freq 1.7725 GHz Trig Free 1.77250000 GHz
Adj Channel Power PASS Start Freq	Adj Channel Power PRSS Start Freq
UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1	UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1
Ref 30 dBm         •Atten 30 dB         Stop Freq           •Avg         PASS LIMIT1         1.73500000 GHz	Ref 30 dBm         +Atten 30 dB           +Avg         PRSS         LIMIT1           1.79000000         GHz
10 dB/ Offst 0ffst	10 dB/ 0ffst CF Step 3.5000000 Mitz
16.1 Huto Man	16.1 Huto Man
Center 1.717 500 GHz Freq Offset 0.00000000 Hz	Center 1.772 500 GHz Span 35 MHz 0.00000000 Hz
Res BW 15 kHz *VBW 51 kHz Sweep 466.3 ms (8192 pts)     RMS Results Freq Offset Ref BM dBc Lover dBm dBc Upper dBm     Signal Track	*Res BW 15 kHz *VBW 51 kHz Sweep 466.3 ms (8192 pts)
Carrier Power 9,000 MHz 1.000 MHz -63.60 -36.90 -73.35 -46.45	Carrier Power 9,000 MHz 1,000 MHz -73.30 -47.17 -52.27 -36.14 00 MHz 15,0000 MHz
12:0000 1112	15.0000 MHZ
UL:38602 \ R Date:03/09/2020 \ CLT:2.8.1	UL:38602 \ R Date:03/09/2020 \ CLT:2.8.1
LTE B66 15MHz QPSK Low Channel RB1-0	LTE B66 15MHz QPSK High Channel RB1-74
* Agilent 15:16:13 Apr 6, 2020 R T Freq/Channel	* Agilent 15:19:32 Apr 6, 2020 R T Freq/Channel
Ch Frage 1 717E CH	Cherter Freq
Ch Freq 1.7175 GHz Trig Free Center Freq 1.71750000 GHz	Ch Freq 1.7725 GHz Trig Free Adj Channel Power PASS
Ch Freq         1.7175 GHz         Trig         Free         Center Freq         1.71750000 GHz           Adj Channel Power         PASS         Start Freq         1.7090000 GHz         1.7090000 GHz	Ch Freq         1.7725 GHz         Trig         Free         Center Freq         1.77250000 GHz           Adj Channel Power         PASS         Start Freq         1.75500000 GHz         Start Freq         1.75500000 GHz
Ch Freq         1.7175 GHz         Trig         Free         Center Freq         1.71750000 GHz           Adj Channel Power         PASS         Start Freq         1.71750000 GHz         Start Freq         1.70000000 GHz         1.700000000 GHz         1.70000000 GHz	Ch Freq         1.7725 GHz         Trig         Free         Center Freq         1.77250000 GHz           Adj Channel Power         PRSS         Start Freq         1.77250000 GHz         Start Freq         1.75500000 GHz
Ch Freq         1.7175 GHz         Trig         Free         Center Freq         1.71750000 GHz           Adj Channel Power         PRSS         Introduced GHz         Start Freq         1.71750000 GHz           UL: 38602 \ R Date:         03/09/2020 \ CLT:         2.8.1         Introduced GHz         Start Freq           VU: 38602 \ R Date:         03/09/2020 \ CLT:         2.8.1         Stop Freq         1.70000000 GHz           PRSS         • Hug         • Hug         • Hug         1.7350000 GHz         1.7350000 GHz           10         • Hug         • Hug         • Hug         1.7350000 GHz         1.7350000 GHz	Ch Freq         1.7725 GHz         Trig         Free         Center Freq         1.77250000 GHz           Adj Channel Power         PRSS         I.77250000 GHz         Start Freq         1.77250000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.75500000 GHz         Start Freq           WL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.75500000 GHz         Start Freq           PRSS         IMIT1         I.7900000 GHz         1.7900000 GHz         1.7900000 GHz           10         Imit Provide Machine
Ch Freq         1.7175 GHz         Trig         Free         Center Freq         1.71750000 GHz           Adj Channel Power         PRSS         Introduction of the second of the secon	Ch Freq         1.7725 GHz         Trig         Freq         1.7725000 GHz           Adj Channel Power         PRSS         1.77250000 GHz         1.77250000 GHz         1.77250000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         eHten 30 dB         eHten 30 dB         1.7550000 GHz           UB         eHten 30 dB         eHten 30 dB         1.7550000 GHz         1.7590000 GHz           10         0         0         0         0         0         1.7900000 GHz           10         0
Ch Freq         1.7175 GHz         Trig         Free         Center Freq         1.71750000 GHz           Adj Channel Power         PRSS         Introduction of the second of the secon	Ch Freq         1.7725 GHz         Trig         Freq         1.7725000 GHz           Adj Channel Power         PRSS         1.7725000 GHz         1.77250000 GHz         1.77250000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         eHten 30 dB         eHten 30 dB         1.7550000 GHz           Ul: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         eHten 30 dB         1.7550000 GHz         1.7590000 GHz           Log         10         0         0         0         0         0           10         0         0         0         0         0         0         0           0ffst         0
Ch Freq         1.7175 GHz         Trig         Free         Center Freq         1.71750000 GHz           Adj Channel Power         PASS         Introduction of the second of the secon	Ch Freq         1.7725 GHz         Trig         Free         1.77250000 GHz           Adj Channel Power         PASS         Start Freq         1.77250000 GHz         Start Freq           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         1.75500000 GHz         Start Freq         1.75500000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         •Atten 30 dB         •Atten 30 dB         1.75500000 GHz           PRS         IMIT1         Image: Comparison of the start of th
Ch Freq         1.7175 GHz         Trig         Free           Adj Channel Power         PASS         1.71750000 GHz         1.71750000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.7050000 GHz         Start Freq           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         • • • • • • • • • • • • • • • • • • •	Ch Freq         1.7725 GHz         Trig         Freq         1.77250000 GHz           Adj Channel Power         PRSS         I.77250000 GHz         1.77250000 GHz         Start Freq           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         1.7550000 GHz         Start Freq           UB: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Image: Comparison of the
Ch Freq         1.7175 GHz         Trig         Free         Center Freq         1.71750000 GHz           Adj Channel Power         PASS         Introduction of the state of the s	Ch Freq         1.7725 GHz         Trig         Freq         1.77250000 GHz           Adj Channel Power         PASS         Start Freq         1.77250000 GHz         Start Freq           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         1.7550000 GHz         Start Freq         1.7550000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         ••••••••••••••••••••••••••••••••••••
Ch Freq         1.7175 GHz         Trig         Free           Adj Channel Power         PRSS         1.71750000 GHz         1.71750000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Ref 30 dB         • • • • • • • • • • • • • • • • • • •	Ch Freq         1.7725 GHz         Trig         Freq         1.7725000 GHz           Adj Channel Power         PRSS         I.77250000 GHz         1.77250000 GHz         Start Freq           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         start Freq         I.7550000 GHz         Start Freq           UB: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         eHten 30 dB         eHten 30 dB         I.7550000 GHz           Uog         PRSS LIMIT1         I.7550000 GHz         Stop Freq         I.7900000 GHz           16.1         Interview         Interview         Interview         Interview         Interview           Center 1.772 500 GHz         eVBH 510 kHz         Span 35 MHz         0.0000000 Hz         Interview         Interview         Interview           Res BH 50 kHz         #VBH 510 kHz         Sweep 4.915 ms (8132 pts)         Signal Track         Signal Track         On         Off           25.80 dBm /         1.080 MHz         1.080 MHz         -22.14         -48.44         -22.64         On         Off
Ch Freq         1.7175 GHz         Trig         Free           Adj Channel Power         PRSS         1.71750000 GHz         1.71750000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         Ref 30 dB         9         1.7050000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         8         1.7050000 GHz         1.7050000 GHz           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         8         1.7050000 GHz         1.7050000 GHz           Ug         PRSS LIMIT1         1.7050000 GHz         1.7050000 GHz         1.7050000 GHz           10         G         -         -         -         1.75500000 GHz           10         G         -         -         -         -         1.75500000 GHz           10         G         -         -         -         -         -         1.75500000 GHz           10         G         -         -         -         -         -         -         -         1.75500000 GHz           10         G         -	Ch Freq         1.7725 GHz         Trig         Freq         1.7725000 GHz           Adj Channel Power         PRSS         I.77250000 GHz         1.77250000 GHz         Start Freq           UL: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         start Freq         I.7550000 GHz         Start Freq           UB: 38602 \ R Date: 03/09/2020 \ CLT: 2.8.1         eHten 30 dB         eHten 30 dB         I.7550000 GHz           Uog         PRSS LIMIT1         I.7550000 GHz         Stop Freq         I.7900000 GHz           16.1         Interview         Interview         Interview         Interview         Interview           Center 1.772 500 GHz         eVBH 510 kHz         Span 35 MHz         0.0000000 Hz         Interview         Interview         Interview           Res BH 50 kHz         #VBH 510 kHz         Sweep 4.915 ms (8132 pts)         Signal Track         Signal Track         On         Off           25.80 dBm /         1.080 MHz         1.080 MHz         -22.14         -48.44         -22.64         On         Off

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### 8.2.14. LTE BAND 71 ADJACENT CHANNEL POWER

#### **LIMITS**

#### FCC: §27.53

(g) 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) dB. 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.

₩ Agilent 18:04:50 Apr 6, 2020 R T Free	eq/Channel 🔆 Agilent 18:05:21 Apr 6, 2020 R T	Freq/Channel
	Center Freq 5.500000 MHz Ch Freq 665.5 MHz Trig Free Adj Channel Power PASS	Center Freq 665.500000 MHz
UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1	Start Freq           0.500000 MHz           UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1	Start Freq 660.500000 MHz
	Stop Freq         Ref 30 dBm         #Atten 30 dB           #Usg         PRSS LIMITI	Stop Freq 670.500000 MHz
dB/ 0ffst 15	CF Step 00000000 MHz 0 ffst 15	<b>CF Step</b> 1.00000000 MHz <u>Auto</u> Man
Center 665.50 MHz 0.00	Freq Offset 00000000 Hz Center 665.50 MHz Span 10 MHz	Freq Offset 0.00000000 Hz
Res BH 30 kHz         *VBH 91 kHz         *Sweep 1 s (1001 pts)         Sig           RMS Results Freq Offset         Ref BL         dBc         Lower dBm         dBc         Upper dBm         On           Carrier Power         2.650 MHz         108.0 kHz         -60.93         -34.90         -78.31         -52.28         On           Suppower         5.00000 MHz         108.0 kHz         -60.93         -34.90         -78.31         -52.28         On	Signal Track         •Res BH 30 kHz         •VBM 91 kHz         •Sweep 1 s (1001 pts)           Image: Results Freq Offset         Ref BH         dBc. Lover dBm         dBc. Upper dBm           Carrier Power 2.650 MHz         188.8 kHz - 88.11         -53.93         -51.86         -35.68           26.19 dBm         5.80808 MHz         188.8 kHz         -80.11         -53.93         -61.86         -35.68	Signal Track <sup>On <u>Off</u></sup>
UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1	UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1	
LTE B71 5MHz QPSK Low Channel RB1-0	LTE B71 5MHz QPSK Low Channel RB1	.24
★ Agilent 18:08:29 Apr 6, 2020 R T Free	eq/Channel * Agilent 18:09:01 Apr 6, 2020 R T	Freq/Channel
	Center Freq 0.500000 MHz Ch Freq 680.5 MHz Trig Free Adi Channel Power PASS	Center Freq 680.500000 MHz
	Start Freq           UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1	Start Freq 675.500000 MHz
Ref 30 dBm • Atten 30 dB	Stop Freq Ref 30 dBm #Atten 30 dB	
Log PHSS LIMITI 685.	5.500000 MHz PHSS LIMI11	Stop Freq 685.500000 MHz
Log 10/ 065: 10/ 0ffst 15 10/ 10/ 10/ 10/ 10/ 10/ 10/ 10/	CF Step 20000000 MHz 20         Dog 10 10 10 10 10 10 10 10 10 10 10 10 10	
Log         PHSS         LIMITI         685.1           10         dB/	CF Step 0000000 MHz .0         Dog 10 dB/ dB/ 0         PHSS LIMITI           Treq Offset 0000000 Hz         dB/ Center 680,50 MHz         Span 10 MHz	685.500000 MHz CF Step 1.00000000 MHz
Log         PHSS         LIMI1         685.           10         0	St.5000000 MHz         Dig         PHSS LIMITI           00         0<	685.500000 MHz CF Step 1.00000000 MHz <u>Auto</u> Man Freq Offset
Log         PHSS         LIMIN         Edit         Edit <th< td=""><th>St.5000000 MHz         Dig         PHSS LIMITI           00         0&lt;</th><td>685.500000 MHz CF Step 1.00000000 MHz <u>Auto</u> Man Freq Offset 0.0000000 Hz Signal Track</td></th<>	St.5000000 MHz         Dig         PHSS LIMITI           00         0<	685.500000 MHz CF Step 1.00000000 MHz <u>Auto</u> Man Freq Offset 0.0000000 Hz Signal Track
Log         PHSS         LIMI1         685.           10         0	St.5000000 MHz         Dig         PHSS LIMITI           00         0<	685.500000 MHz CF Step 1.00000000 MHz <u>Auto</u> Man Freq Offset 0.0000000 Hz Signal Track

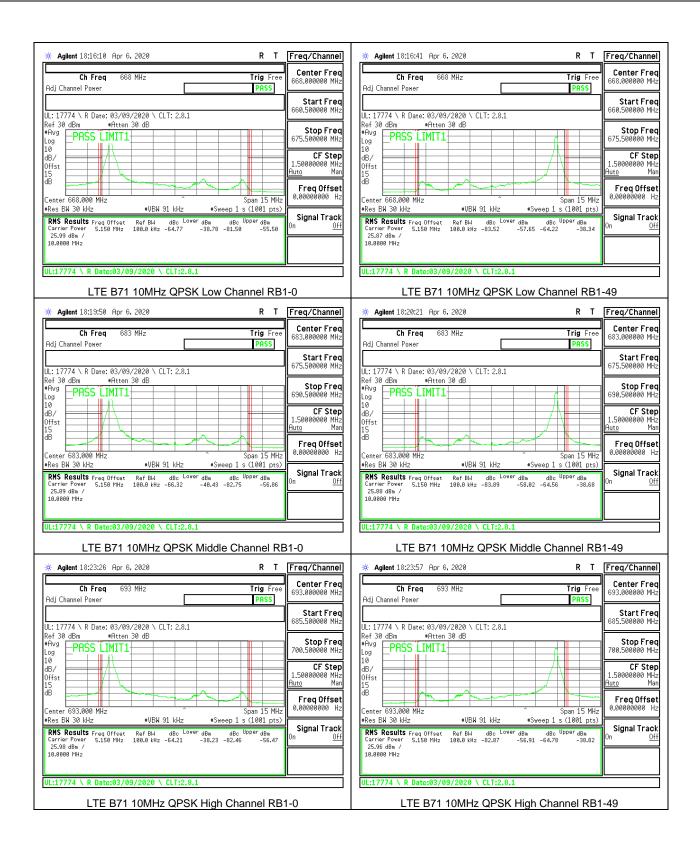
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* Agilent 18:12:14 Apr 6, 2020 R T	Freq/Channel	* Agilent 18:12:45 Apr 6, 2020 R T Freq/Channel
Ch Freq 695.5 MHz Trig Free Adj Channel Power PASS	Center Freq 695.500000 MHz	Ch Freq         695.5 MHz         Trig         Free         695.500000 MHz           Adj Channel Power         PPRS         695.500000 MHz         695.500000 MHz
UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1	Start Freq 690.500000 MHz	UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1
Ref 30 dBm •Atten 30 dB •Avg PRSS LIMIT1	<b>Stop Freq</b> 700.500000 MHz	Ref 30 dBm         #Atten 30 dB           *Avg         PRSS LIMIT1           Log         700.500000 MHz
10 dB/ Offst 15 06	CF Step 1.00000000 MHz <u>Auto</u> Man	10 dB/ Offst 15 dB CF Step 1.0000000 MHz Huto Mar
Center 695.50 MHz Span 10 MHz	Freq Offset 0.00000000 Hz	Center 695.50 MHz
#Res BW 30 kHz         #VBW 91 kHz         #Sweep 1 s (1001 pts)           RMS Results Freq Offset Carrier Power         Ref BW         dBc         Lower dBm         dBc         Upper dBm           25.86 dBm /         25.86 dBm /         100.0 kHz         -63.55         -37.69         -80.51         -54.65	Signal Track <sup>On <u>Off</u></sup>	Ress         BW 30 kHz         #VBW 91 kHz         #Sweep 1 s (1001 pts)         Signal Track           RMS         Results         Freq Offset         Ref BW         dBc         Lover dBm         dBc         Upper dBm           Carrier         Power         2.650 MHz         108.0 kHz         -88.65         -54.80         -62.27         -36.42         On         Off
5.00000 MHz		5.89890 MHz
UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1		UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1
LTE B71 5MHz QPSK High Channel RB1	-0	LTE B71 5MHz QPSK High Channel RB1-24

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∦ Agilent 18:05:51 Apr 6, 2020	Channel] * Agilent 18:09:32 Apr 6, 2020 R T Freq/Channel
	Chainer         Content Freq         Content Freq
UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1	Start Freq 0000 MHz         Start Freq 075.500000 MHz
	op Freq         Ref 30 dBm         #Atten 30 dB           #Rvg         PRSS LIMIT         685.500000 MHz           100         10         685.500000 MHz
	CF Step dB/ 0000 MHz Offst
Center 665.50 MHz ^ Span 10 MHz 0.0000	dB         Freq Offset           0000 Hz         Center 680.50 MHz
Res BW 30 kHz         •VBW 91 kHz         •Sweep 1 s (1001 pts)         Sign           RMS Results Freq Offset Carrier Power 2.558 MHz         Ref BW 180.6 kHz -58.87 -33.71 -58.32 -35.16 Mp /         On         Sign	Bit Track         #Res BW 30 kHz         #VBW 91 kHz         #Sweep 1 s (1001 pts)         Signal Track           0ff         RHS Results Freq Offset         Ref BW         dBc Lower dBm         dBc Upper dBm         Dff           25.15 dBm /         25.15 dBm /         180.0 kHz - 58.20         -33.05         -56.56         -31.41
5.00000 MHz	5,00000 MHz
UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1	UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1
LTE B71 5MHz QPSK Low Channel RB25-0	LTE B71 5MHz QPSK Middle Channel RB25-0
<b>i → Agilent</b> 18:13:15 Apr 6, 2020	R T Freq/Channel
Ch Freq 695.5 MHz Adi Channel Power	Trig Free Center Freq e95.500000 MHz
	Start Freq 690.500000 MHz
UL: 17774 \ R Date: 03/09/2020 \	
Ref 30 dBm •Atten 30 dB •Rv9 PASS LIMIT1	CLT: 2.8.1 Stop Freq 700.500000 MHz
Ref 30 dBm •Atten 30 dB •Avg Log 10 dB/	CLI: 2.8.1 Stop Freq 700.500000 MHz CF Step
Ref 30 dBm •Atten 30 dB •Avg Log 10 •Atten 30 dB •Atten 30 dB •Atte	CLI: 2.8.1 Stop Freq 700.50000 MHz
Ref 30 dBm •Atten 30 dB •Pvg Log 10 dB/ Offst 15	Stop Freq           760.500000 MHz           1.00000000 HHz
Ref 30 dBm •Atten 30 dB •Rvg PASS LIMIT1 10 0Ffst 15 dB Center 695.50 MHz •Res BW 30 kHz •VB <b>IRMS Results</b> Free Offset Bef BW	Stop Freq           700.500000 MHz           1.00000000 Hz           91 kHz         Span 10 MHz           Span 10 MHz           Signal Track
Ref 30 dBm         •Atten 30 dB           •Pvg         PASS LIMIT1           10         0           0dB/	Stop Freq           700.500000 MHz           1.00000000 Hz           91 kHz         Span 10 MHz           Span 10 MHz           Signal Track
Ref 30 dBm • Atten 30 dB • Atten 30	CL1: 2.3.1       Stop Freq         700.500000 MHz       700.500000 MHz         1.00000000 Hz       1.00000000 Hz         91 kHz       *Swep 1 s (1001 pts)         dbc Lover dBm dBc Upper dBm       Bc Upper dBm         iz -61.43       -36.42
Ref 30 dBm •Atten 30 dB •Atten 40 dB •Atte	CL1: 2.3.1       Stop Freq         700.500000 MHz       700.500000 MHz         1.00000000 Hz       1.00000000 Hz         91 kHz       *Swep 1 s (1001 pts)         dbc Lover dBm dBc Upper dBm       Bc Upper dBm         iz -61.43       -36.42

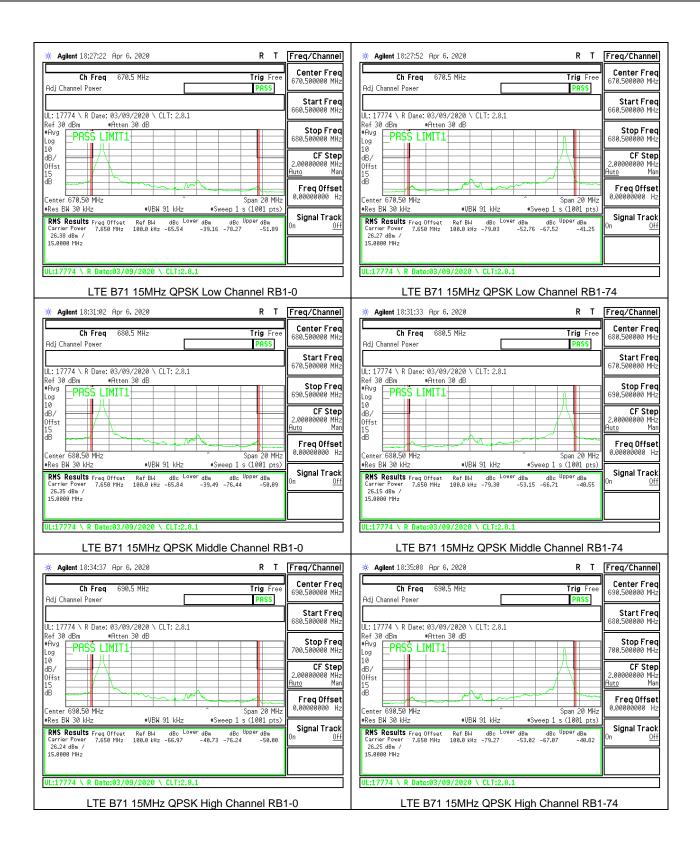
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ዡ Agilent 18:17:11 Apr 6, 2020	Freg/Channel	🔆 Agilent 18:20:51 Apr 6, 2020	RT	Freg/Channel
Ch Freq 668 MHz Trig Fre Adj Channel Power PRSS	Center Fred	Ch Freq 683 MHz Adj Channel Power	Trig Free PASS	Center Freq 683.000000 MHz
UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1 Ref 30 dBm • Atten 30 dB	Start Freq 660.500000 MHz	UL: 17774 \ R Date: 03/09/2020 \ CLT: Ref 30 dBm	2.8.1	Start Freq 675.500000 MHz
•Avg PRSS LIMIT1	Stop Freq 675.500000 MHz	*Avg Log 10 PRSS LIMIT1		Stop Freq 690.500000 MHz
dB/ Offst 15 dB	<b>CF Step</b> 1.50000000 MHz <u>Auto</u> Man	dB/ Offst dB		<b>CF Step</b> 1.50000000 MHz <u>Auto</u> Man
Center 668,000 MHz		Center 633.000 MHz •Res BW 30 kHz •VBW 91 k	^ Span 15 MHz Hz #Sweep 1 s (1001 pts)	FreqOffset 0.00000000 Hz
RMS Results         Freq Offset         Ref BW         dBc         Lower dBm         dBc         Upper dBm           Carrier Power         5.150         MHz         100.0         kHz         -58.05         -32.96         -60.40         -35.31           25.09         dBm         /         -         35.31         -         -         -         -         -         -         -         35.31         -         -         35.31         -         -         35.31         -         -         35.31         -         -         35.31         -         35.31         -         35.31         -         -         35.31         -         36.35         -         36.35         -         36.35         -         36.35         -         36.35         -         36.35         -         36.35         -         36.35         -         36.35         -         36.35	Signal Track	RMS Results Freq Offset Ref BW dB Carrier Power 5.150 MHz 100.0 kHz -59, 25.01 dBm /	c Lower dBm dBc Upper dBm	Signal Track On <u>Off</u>
18.8000 MHz		18.8888 MHz		
UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1 LTE B71 10MHz QPSK Low Channel RB	50-0	UL:17774 \ R Date:03/09/2020 \ CL	SK Middle Channel RB	50-0
ዡ Agilent 18:24:28 Ap	r 6, 2020	R T Freq/Chann	el	
Ch Freq Adj Channel Power	693 MHz	Trig Free 693.000000 M		
UL: 17774 \ R Date: 03/		Start Free 685.500000 M		
Ref 30 dBm •Att *Avg Log 10	en 30 dB	Stop Fra 700.500000 M		
dB/ Offst 15		CF Sto 1.5000000 M Auto		
dB Center 693.000 MHz		Span 15 MHz	et Hz	
•Res BW 30 kHz RMS Results Freq Diffs Carrier Power 5.150 MH	#VBW 91 kHz at Ref BW dBc Lov z 100.0 kHz -59.57	*Sweep 1 s (1001 pts) ver dBm dBc Upper dBm -34.64 -58.93 -34.00 On Signal Tra	ck <sub>Dff</sub>	
24.93 dBm / 18.0000 MHz				
UL:17774 \ R Date:03	/09/2020 \ CLT:2.8	.1	3	
LTE B7	1 10MHz QPSł	K High Channel RB50-0		

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Transformer (2000)         R + 1         (1900)         (1100)         (1	Centre Freq 60.330000 High 1: 17774 \ R Date: 03/05/10/2020 \ CLT: 2.6.1         Centre Freq 60.330000 High 1: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/05/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1         L: 17774 \ R Date: 03/06/2020 \ CLT: 2.6.1 <th< th=""><th>∰ Agilent 18:28:23 Apr 6, 2020 R T</th><th>Freg/Channel 🔆 Agilen</th><th>nt 18:32:03 Apr 6, 2020</th><th>R T Freg/Channel</th></th<>	∰ Agilent 18:28:23 Apr 6, 2020 R T	Freg/Channel 🔆 Agilen	nt 18:32:03 Apr 6, 2020	R T Freg/Channel
Start Freq Be 38 dbm **ftten 30 db         Start Freq Be 20000000 Htg Be 20000000 Htg         Start Freq Be 20000000 Htg Be 200000000 Htg         Start Freq Be 20000000 Htg         Start Freq Be 20000000 Htg         Start Freq Be 2000000 Htg         Start Freq Be 200000000000000 Htg         Start Freq Be 2000000000000000000000000000000000000	Start Free deal 30 db db db db db db db db db db	Ch Freq 670.5 MHz Trig Free	Center Freq 670.500000 MHz	Ch Freq 680.5 MHz	Trig Free 680,500000 MHz
Hog 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Hyg       PRSS LIMIT1       Image: Cristing of the construction of the constr	UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1	Start Freq 0660.500000 MHz UL: 17774	4 \ R Date: 03/09/2020 \ CLT: 2.8.1	Start Freq
db/ fifst b	dB/ dB/ dB/ dB/ dB/ dB/ dB/ dB/	PASS LIMIT1	Stop Freq #Avg 680.500000 MHz Log		
Freq Offset 0x0000000 Hz Span 20 HHz *Span 20 Hz *Span 20 Hz *	Freq Offset Res Bil 30 kHz       Som 20 HHz       Som 20 Hz       Som 20 H	dB/ 0ffst	CF Step dB/ 2.00000000 MHz Offst <u>Auto</u> Man 15		2.0000000 MHz
KNS Results Freq Offset Darrier Power         Ref Bill 25,36 dbit         dbc. Lover dba 35,36 dbit         dbc. Upper dba 35,36 dbit         Signal Track on         MS Results Freq Offset Carrier Power         Ref Bill 18.8 kHz         dbc. Lover dba 36.0 Upper dba 35.36 dbit         Signal Track on         MS Results Freq Offset         Ref Bill         dbc. Lover dba 48.0 kHz         dbc. Upper dba 35.36 dbit         Signal Track 35.36 dbit         MS Results Freq Offset         Ref Bill         dbc. Lover dba 48.0 kHz         dbc. Upper dba 35.36 dbit         MS Results Freq Offset         Ref Bill         dbc. Lover dba 48.0 kHz         dbc. Upper dba 35.36 dbit         MS Results Freq Offset         Ref Bill         dbc. Lover dba 48.0 kHz         dbc. Upper dba 35.36 dbit         MS Results Freq Offset         Ref Bill         dbc. Lover dba 48.0 kHz         dbc. Upper dba 35.36 dbit         MS Results Freq Offset         Ref Bill         dbc. Lover dba 48.0 kHz         dbc. Upper dba 35.36 dbit         MS Results Freq Offset         Ref Bill         dbc. Lover dba 48.0 kHz         dbc. Upper dba 35.0 kHz         MS Results Freq Offset         MS Results Freq Offset<	Image: Second Private Ref Bill dig Lower die dig Upper die 15.58 die / 15.68 die / 12.77 - 36.42 - 63.21 - 37.86       Signal Track of Bill dig Lower die dig Lower die dig Lower die die	Center 670.50 MHz ^ Span 20 MH	z 0.00000000 Hz Center 68		Span 20 MHz 0.00000000 Hz
15.0000 HHz       15.0000 HHz         UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1       UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1         LTE B71 15MHz QPSK Low Channel RB75-0       LTE B71 15MHz QPSK Middle Channel RB75-0         * Aglent 10:35:38 Apr 6, 2020       R T         Freq/Channel       Ch Freq 690.5 MHz         Hz       Good State         UI: 17774 \ R Date: 03/09/2020 \ CLT:2.8.1         LI: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1         Frig       Ch Freq 690.5 MHz         Frig       Freq         UI: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1         For So dBm       *Atten 30 dB         * Hyg       PRSS         Hyg       PRSS         Hyg       PRSS         UI: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1         For So dBm       *Atten 30 dB         * Hyg       Stop Freq         10       Stop Freq         0.0000000 HHz       Stop Freq         2.00000000 Htz       8.000 Htz         * BB / 01 Htz       *Sweep 1 s (1001 Hzz         * BB / 01 Htz       *Sweep 1 s (1001 Hzz         * BB / 01 Htz       *Stop Freq         Signal Track       Signal Track         0n       UI         Ba / 01       Htz       *Stop	LIS-0000 HHz UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1 UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1 Freq/Channel Center Freq 090.500000 HHz Freq 000.500000 HHz Freq 000.500000 HHz 00000000 Hz 00000000 Hz 0000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 0000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 0000000 Hz 00000000 Hz 00000000 Hz 0000000 Hz 00000000 Hz 0000000 Hz 00000000 Hz 00000000 Hz 0000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 00000000 Hz 0000000 Hz 000000 Hz 0000000 Hz 0000000 H	RMS Results Freq Offset         Ref BW         dBc         Lower dBm         dBc         Upper dBm           Carrier Power         7.550 MHz         100.0 KHz         -61.77         -36.42         -63.21         -37.86	On Off Carrier Po	<b>sults</b> Freq Offset Ref BW dBc Low ower 7.650 MHz 100.0 kHz –56.84	er dBm dBc Upper dBm Signal Track
LTE B71 15MHz QPSK Low Channel RB75-0         LTE B71 15MHz QPSK Middle Channel RB75-0         * Aglent 18:35:38 Apr 6, 2020       R T       Freq/Channel         Ch Freq 690.5 MHz       Trig Free         Adj Channel Power       PRSS         UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1       Start Freq         Ref 30 dBm       *Itten 30 dB         *Hvg       PRSS       Start Freq         Offst       Span 20 MHz         Span 20 MHz       Signal 20 MHz         NEW Res BH 30 HHz       *VEN 91 KHz       *Soup offst       Span 20 MHz         Rth Res BH 30 HHz       *VEN 91 kHz       *Soup offset       Signal 20 MHz         Rth Res BH 30 HHz       *VEN 91 kHz       *Soup offset       Signal 20 MHz         Rth Res BH 30 HHz       *VEN 91 kHz       *Soup offset       Signal Track         Displan       displan       displan       Signal 20 MHz       Signal 20 MHz         Signal 20 MHz       Signal 20 MHz       Signal 20 MHz <th< td=""><td>LTE B71 15MHz QPSK Low Channel RB75-0         LTE B71 15MHz QPSK Middle Channel RB75-0         * Aglient 18:35:38 Apr 6, 2020       R T       Freq/Channel         Center Freq       690.500000 MHz         Center Freq       690.500000 MHz         UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1       Start Freq         R of 30 dBm       *VEH 91 kHz       Start Freq         Freq Offset         Offset       Start Freq         Offset         Offset       Start Freq         Offset       Signal Track         Offset       Signal Track         Offset       Signal Track         Signal Track</td><td></td><th></th><td></td><td></td></th<>	LTE B71 15MHz QPSK Low Channel RB75-0         LTE B71 15MHz QPSK Middle Channel RB75-0         * Aglient 18:35:38 Apr 6, 2020       R T       Freq/Channel         Center Freq       690.500000 MHz         Center Freq       690.500000 MHz         UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1       Start Freq         R of 30 dBm       *VEH 91 kHz       Start Freq         Freq Offset         Offset       Start Freq         Offset         Offset       Start Freq         Offset       Signal Track         Offset       Signal Track         Offset       Signal Track         Signal Track				
**       Agilent 18:35:38       Apr 6, 2020       R       T       Freq/Channel         Ch       Freq       690.5 MHz       Trig       Freq         Adj       Ch       Freq       690.5 MHz       Center Freq         UL: 17774 \ R       Date:       03/09/2020 \ CLT: 2.8.1       Eds       Start Freq         Bef 30       dBm       *Atten 30 dB       *Atten 30 dB       Stop Freq         700.500000 MHz       CF Step       2.0000000 MHz       CF Step         2.0000000 MHz       Span 20 MHz       Stop Freq         *Res Bk 30 kHz       *VBH 91 kHz       *Swep 1 s (1001 Hz       0.0000000 Hz         *Res Bk 30 kHz       #VBH 91 kHz       *Swep 1 s (1001 Hz       Signal Track         Carrier Power       7.65.42       -31.25       -56.93       -31.77	**       Aglient 18:35:38       Apr 6, 2020       R       T       Freq/Channel         Ch       Freq       690.5 MHz       Trig       Freq       690.500000       MHz         Adj Channel Power       PRSS       PRSS       Start Freq       690.500000       MHz         UL:       17774 \ R       Date:       03/99/2020 \ CLT:       2.8.1       Ref       630.500000       MHz         84 Bin       •Ritten 30       dB       •Ritten 30       dB       700.500000       MHz         15       dB       •Ritten 30       dB       •Ref       750.50000       MHz         15       GB       •Ritten 30       MB       •Ref       760.500000       MHz         16       •Ref       Stop Freq       760.500000       MHz       0.00000000 Hz       0.00000000 Hz         15       GB       •Ref       18.11       •VBH 91 kHz       •Span 20 MHz       0.00000000 Hz       0.00000000 Hz         15       Stop Freq       7.550 MHz       100.0 kHz       -56.42       -31.25       -56.93       -31.77       Signal Track         15.0000 HHz       100.0 kHz       -56.42       -31.25       -56.93       -31.77       Signal Track       0.ff	UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1	UL:17774	4 \ R Date:03/09/2020 \ CLT:2.8	1
Ch Freq         690.5 MHz         Trig         Free           Adj Channel Power         PASS         630.500000 MHz           UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1         630.500000 MHz           Ref 30 dBm         *Alten 30 dB         *Alten 30 dB           *Plvg         PRSS         LIMIT1         630.500000 MHz           Log         PRSS         LIMIT1         700.500000 MHz           0 dB/         0 dB         700.500000 MHz         700.500000 MHz           15         0 dB         0 dB         700.500000 MHz           16         0 dB         0 dB         0 dB           0 dB/         0 dB         0 dB         700.500000 MHz           0.0000000 MHz         0 dB         700.500000 MHz         700.500000 MHz           15         dB         0 dB         0 dB         700.500000 MHz           2.00000000 MHz         0 dB         0 dB         700.500000 MHz         700.500000 MHz           *Res BH 30 kHz         *VBH 91 kHz         *Sweep 1 s (1001 pts)         0.0000000 Hz         90000000 Hz           Carrier Power         7.550 HHz         190.0 kHz         -56.42         -31.77         Signal Track           0 n         0 ff         0 ff         0 ff	Ch Freq         690.5 MHz         Trig         Freq           Adj Channel Power         PRSS         B30.500000 MHz         B30.500000 MHz           UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1         Start Freq         B30.500000 MHz           Ref 30 dBm         *Atten 30 dB         Start Freq         B30.500000 MHz           UB         PRSS         LIMIT1         Freq         Freq           0         PRSS         LIMIT1         Freq         CF Step           15         Freq         Span 20 MHz         2.0000000 MHz           0.0000000 MHz         Span 20 MHz         0.0000000 MHz           *Res BH 30 KHz         *VBW 91 KHz         *Sweep 1 s (1001 pts)         Signal Track On           Crister Power         7.650 MHz         100.8 KHz         -31.25         -56.93         -31.77           15.0000 MHz         100.8 KHz         *Stop Freq         -31.27         -31.27         Signal Track On         On         Off	LTE B71 15MHz QPSK Low Channel RB	75-0	LTE B71 15MHz QPSK	Middle Channel RB75-0
Ch Fréq       659.5 MHz       Frég       699.500000 MHz         Adj Channel Power       PRSS       639.500000 MHz         UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1       680.500000 MHz         Ref 30 dBm       efitten 30 dB       efitten 30 dB         effvg       pRSS       LIMIT1       control of ten and	Chi Freq       690.5 MHz       690.500000 MHz         Adj Channel Power       PRSS       630.500000 MHz         UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1       Start Freq         ef 30       dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 30 dB       •Atten 30 dB         •Atten 40 dB       •Atten 40 dB         •Atten 7 568 MHz       180.0 Hz = 56.42         •Atten 7 56.0 MHz       •Atten 50	* Agilent 18:35:38 Ap	r 6,2020		
UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1       630.500000 MHz         Ref 30 dBm       *Atten 30 dB         *Phys       PRSS LIMIT1         0 dB/       0         0 dB/       0         0 dB/       0         0 dB/       0         0 ffst       0         15       0         dB       0         *Res Bk 30 kHz       *VBH 91 kHz         *Swep1 s (1000 Pr dBm         Carrier Power       7,56.42         *Stable Preq Offset         0.00000000 Hz         0.0000000 Hz	UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1 Ref 30 dBm *ftten 30 dB *ftyg PRSS LIMIT1 dB/ 0ffst 15 Center 630.50 MHz *Res BW 30 kHz *VBW 91 kHz *Sweep 1 s (1001 pts) RMS Results Freq Offset Ref BW dBc Lower dBm dBc Upper dBm Carrier Power 7.650 MHz 108.0 kHz -56.42 -31.25 -56.93 -31.77 25.16 dBm / 15.0000 MHz *Sweep 1 s (1001 pts) UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1		90.5 MHz	Irig Free 690,500000 MHz	
Ref 30 dBm       *Atten 30 dB         *Arg       PRSS       LIMIT1       Topological       Stop Freq       Topological	Ref 30 dBm       *Atten 30 dB         *Atyg       PRSS LIMIT1         log       700.500000 MHz         dB/       CF Step         Offst       0         dB       0         center 630.50 MHz       *Span 20 MHz         *Res BW 30 kHz       *UBW 91 kHz         *Span 20 MHz       *Soudout 10 pts)         RMS Results Freq Offset Carrier Power 7.560 MHz       9.0000000 Hz         Carrier Power 7.560 MHz       *Stop Freq 0         Carrier Power 7.560 MHz       100.0 kHz - 56.42         15.0000 MHz       9.1.25         UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1		(00./0000.) CLT: 0.0.4		
Log       700.500600 MHz         10       700.500600 MHz         0 Ffst       700.500600 MHz         15       700.500600 MHz         16       700.500600 MHz         17       700.500600 MHz         18       19         19       10         19       10         19       10         19       10         19       10         19       10         19       10         10       10         10       10         10       10         10       100.0 MHz         10       100.0 MHz         10       100.0 MHz         100       100.0 MHz         100       100.0 MHz         100       100.0 MHz         100.0 MHz       100.0 MHz         100 <td>Log       PHSS LIMIT       700.500000 MHz         0       0       0       0         0</td> <td>Ref 30_dBm #Att</td> <th>en 30 dB</th> <td>Stop Fred</td> <td></td>	Log       PHSS LIMIT       700.500000 MHz         0       0       0       0         0	Ref 30_dBm #Att	en 30 dB	Stop Fred	
dB/ Offst       CF Step 2.00000000 MHz Huto         15 dB       Span 20 MHz         eRes BW 30 kHz       *VBW 91 kHz         *Nes BW 30 kHz       *VBW 91 kHz         *Sweep 1 s (1001 pts)         RMS Results Freq Offset Carrier Power       186.0 kHz -56.42         25.16 dBm       180.0 kHz -56.42         -31.25       -56.93	dB/ Offst       CF Step         dB       Condense         eRes BN 30 kHz       *UBM 91 kHz         *Span 20 MHz         *Signal Track         On         Off         25.16 dBm /         15.0000 MHz         UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1				
dB	dB	dB/		2.0000000 MHz	
Center         690.56         MHz         Span         O MHz         0.00000000         Hz           *Res         BW         30         kHz         *VBW 91         kHz         *Sweep 1 s (1001 pts)         Signal Track           RMS         Results         Freq Offset         Ref BW         dBc         Lower dBm         dBc         Upper dBm         On         Off           25.16         dBm         186.0         kHz         -56.42         -31.25         -56.93         -31.77         On         Off	Center 690.50 MHz       Span 20 MHz       0.00000000 Hz         *Res BH 30 kHz       *VBM 91 kHz       *Sweep 1 s (1001 pts)         RMS Results Freq Offset       Ref BW       dBc. Lower dBm       dBc Upper dBm         Carrier Power 7.650 MHz       100.0 kHz       -56.42       -31.25       -56.93       -31.77         15.0000 MHz       UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1       0.0112       0.00000000 Hz	15 dB			
RMS         Results         Freq         Offset         Ref Bik         dBc         Lower         dBc         Upper         Signal Track         On         Off           Carrier Power         7.550         MHz         108.0         kHz         -56.42         -31.25         -56.93         -31.77         On         Off	RMS Results         Freq Offset         Ref BW         dBc Lower dBm         dBc Upper dBm         Signal Track           Carrier Power         7.650 MHz         100.0 kHz         -56.42         -31.25         -56.93         -31.77         On         0ff           25.16 dBm         15.0000 MHz         15.0000 MHz         0track         0track         0track         0track           UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1         CLT:2.8.1         0track         0track         0track			Span 20 MHz 0.00000000 Hz	
	15.0000 MHz UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1	<b>RMS Results</b> Freq Offse Carrier Power 7.650 MH:	et RefBW dBc <sup>Lower</sup> dBm dB	Bc Upper dBm On Off	
		25.16 dBm /			
UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1					
	LTE B71 15MHz QPSK High Channel RB75-0	UL:17774 \ R Date:03	/09/2020 \ CLT:2.8.1		

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* Agilent 18:39:33 Apr 6, 2020       R T       Freq/Chanel         Ch Freq       673 MHz       Trig Free         Adj Channel Power       PASS       Center Freq         Hug       PASS       Start Freq         UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1       Start Freq         Ref 30 dBm       *Atten 30 dB       Stop Freq         B       PRSS       IMIT1       Generation         0       0       Freq Offset       Stop Freq         15       15       Stop Freq       0.0000000 MHz         *Res BH 30 KHz       *VBH 91 kHz       *Smeep 1 s (1001 pts)       Signal Track         Res Cause MHz       180.6 kHz       -33.56       -62.98       -37.66         25.30 dBm / z       28.0800 MHz       180.6 kHz       -52.98       -37.66         25.30 dBm / z       28.0800 MHz       18.5 MHz       180.6 kHz       -52.98       -37.66         25.30 dBm / z       28.0800 MHz       18.5 MHz       180.6 kHz       -52.98       -37.66       Signal Track         0m       0ff       0ff       0ff       0ff       0ff       0ff       0ff         28.0800 MHz       18.5 MHz       180.6 kHz       -52.91       0ff       0ff       0ff	** Agilent 18:43:08 Apr 6, 2020       R T       Freq/Channel         Ch Freq       683.00000 MHz       Center Freq         Adj Channel Power       PRSS       Start Freq         UL: 17774 \ R Date: 03/09/2020 \ CLT: 2.8.1       668.000000 MHz         8Hyg       •Atten 30 dB       •Atten 30 dB         9Hyg       PRSS       IMIT1       688.000000 MHz         10       0       CF Step         115       0       CF Step         12       •VBH 91 KHz       *Span 30 MHz         •Res BM 30 KHz       •VBH 91 KHz       *Sween 1 s (1001 pts)         Carter Foreq       00000000 MHz         4Res BM 30 KHz       •VBH 91 KHz       *Sween 1 s (1001 pts)         Carter Forew       108.6 KHz - 51.25       -36.02       -56.30       -31.00         25.22 dBm / 20.00500 MHz       108.6 KHz - 51.25       -36.02       -56.30       -31.00         20.0000 MHz       108.6 KHz - 51.25       -36.02       -56.30       -31.00       0ff         UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1       UL:17774 \ R Date:03/09/2020 \ CLT:2.8.1       0       0       0
LTE B71 20MHz QPSK Low Channel RB100-0           ** Agilent 18:46:48 Apr 6, 2020           Ch Freq         688 MHz           Adj Channel Power	LTE B71 20MHz QPSK Middle Channel RB100-0 R T Freq/Channel Center Freq 68.000000 MHz Start Freq 73.0000000 MHz CF Step 3.0000000 MHz Huto Man Freq Offset 0.00000000 Hz Span 30 MHz Span 30 MHz -31.28 -59.88 -34.72

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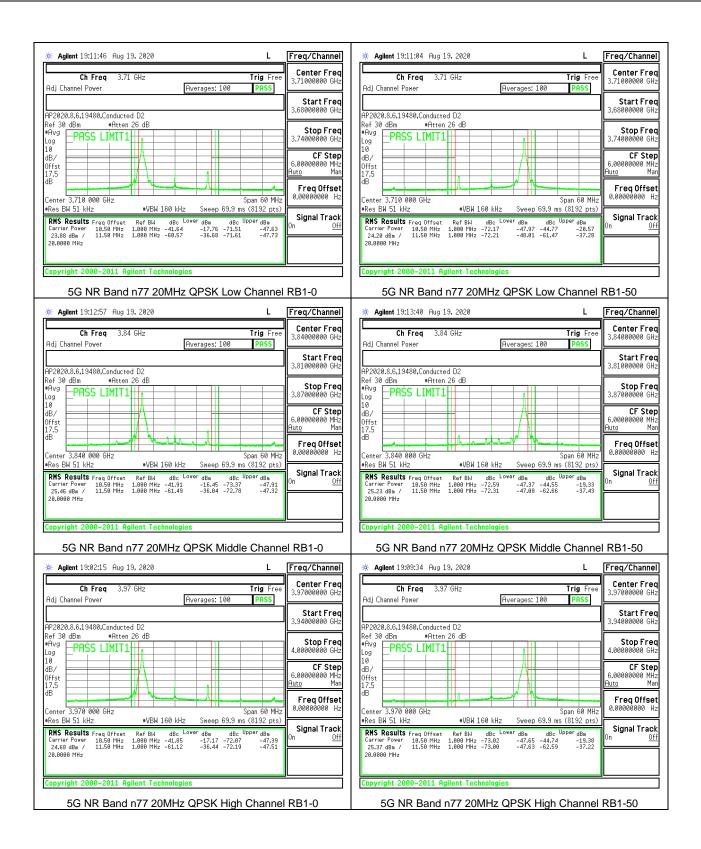
### 8.2.15. 5G NR Band n77 ADJACENT CHANNEL POWER

#### **LIMITS**

#### FCC: §27.53

(I) 3.7 GHz Service. The following emission limits apply to stations transmitting in the 3700-3980 MHz band: (2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (I)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. 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.

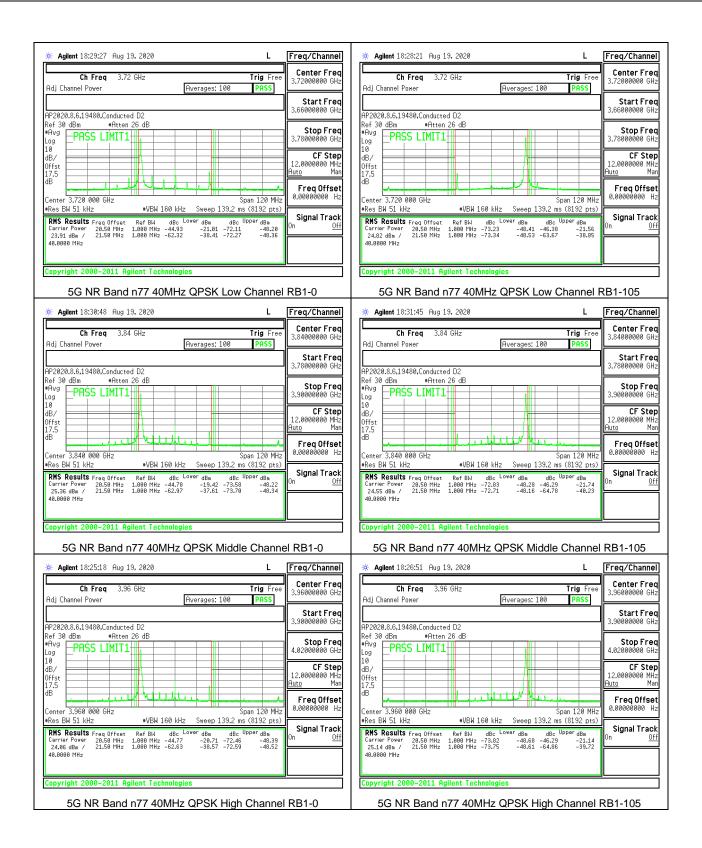
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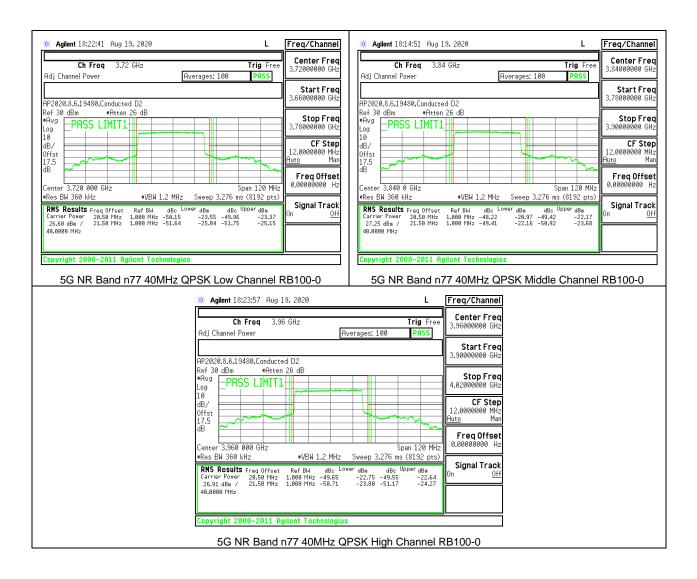
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Ch Freq         3.71 GHz         Trig         Free           Adj Channel Power         Averages: 100         PASS           AP20208.8.6.19480,Conducted D2         3.3           Ref 30 dBm         *Atten 26 dB           *Avg         PASS LIMIT1           0dB/         0           0dB/ <th>Freq Offset .00000000 Hz Signal Track</th> <th>* Agilent 18:57:28         Aug 19,           Ch         Freq         3.84 (Chick of the second second</th> <th>PLZ PVerages D2 6 dB • VBW 620 kHz Sweet • VBW 620 kHz Sweet Ref BM dbc Lover dbm. 800 MHz - dbs.2 - 19.2.</th> <th>Trig         Free           s: 100         PASS           s: 500         PASS           span 60         MHz           p         4.915         ms (8192 pts)</th> <th>Freq/Channel           Center Freq           3.8400000 GHz           Start Freq           3.8100000 GHz           Stop Freq           3.87000000 GHz           CF Step           6.0000000 MHz           Man           Freq Offset           0.0000000 Hz           Signal Track           On</th>	Freq Offset .00000000 Hz Signal Track	* Agilent 18:57:28         Aug 19,           Ch         Freq         3.84 (Chick of the second	PLZ PVerages D2 6 dB • VBW 620 kHz Sweet • VBW 620 kHz Sweet Ref BM dbc Lover dbm. 800 MHz - dbs.2 - 19.2.	Trig         Free           s: 100         PASS           s: 500         PASS           span 60         MHz           p         4.915         ms (8192 pts)	Freq/Channel           Center Freq           3.8400000 GHz           Start Freq           3.8100000 GHz           Stop Freq           3.87000000 GHz           CF Step           6.0000000 MHz           Man           Freq Offset           0.0000000 Hz           Signal Track           On
Copyright 2000-2011 Agilent Technologies 5G NR Band n77 20MHz QPSK Low Channel RB	350-0	Copyright 2000-2011 Agil 5G NR Band n7	ent Technologies 7 20MHz QPSK	Middle Channel	RB50-0
	Z Ave 2 dB • • • • • • • • • • • • •	L Trig Free prages: 100 PASS PASS Span 60 MHz Symee 4.915 ms (8192 pts) r dBm dBc Upper dBm -19.10 -46.88 -19.13 -28.56	Start Freq           3.97000000 GHz           Start Freq           3.9400000 GHz           Stop Freq           4.0000000 GHz           CF Step           6.0000000 MHz           CF Step           6.0000000 Hz           Signal Track           On		
5G NR Band n7	7 20MHz QF	PSK High Channel R	B50-0		

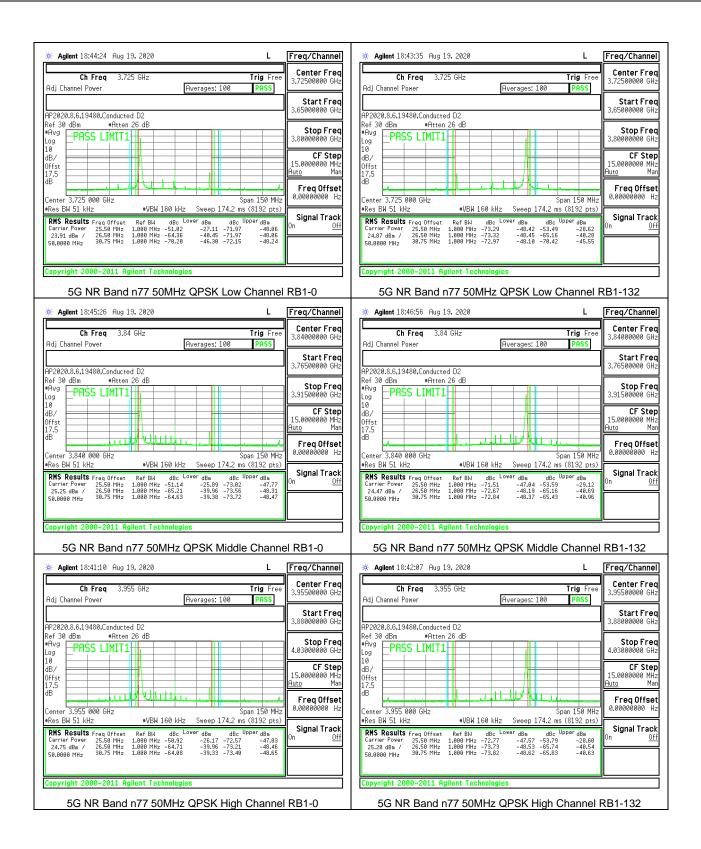
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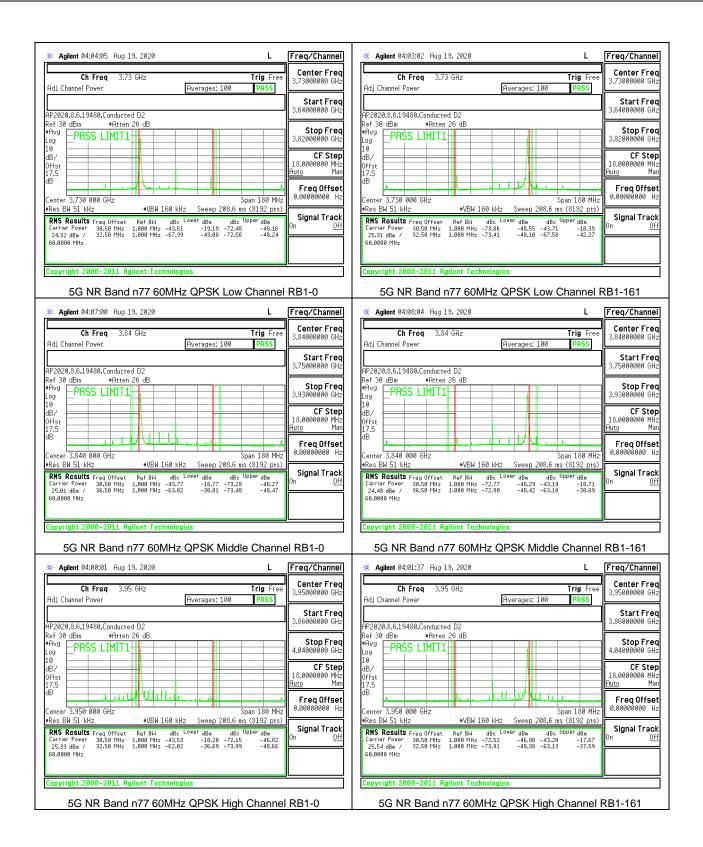
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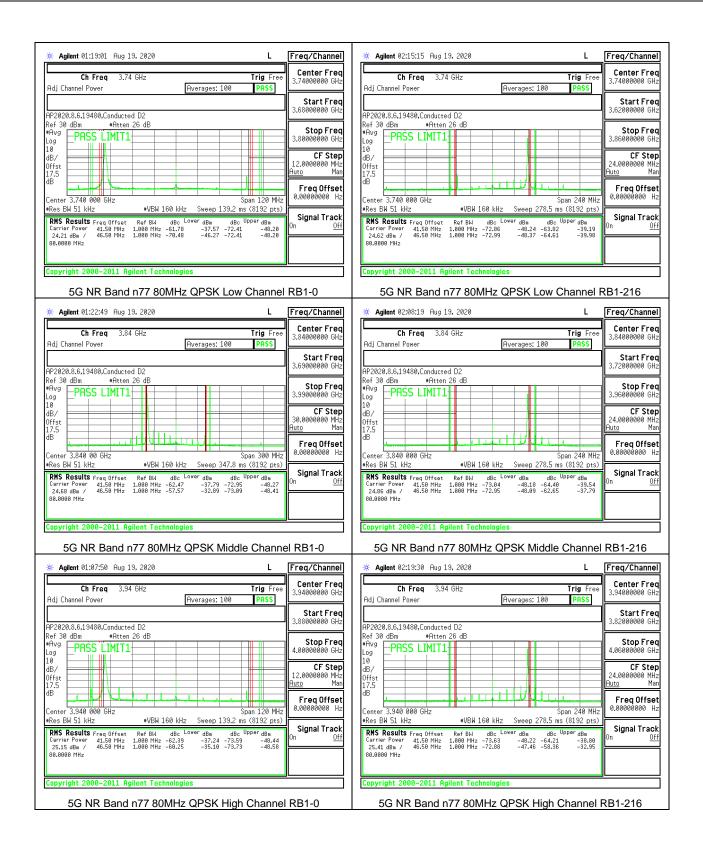
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* Agilent 03:55:12 Aug 19, 2020 L	Freq/Channel	🔆 Agilent 03:51:20 Aug	g 19, 2020	L	Freq/Channel
Ch Freq 3.73 GHz Trig Free Adj Channel Power Averages: 100 PASS	Center Freq 3.73000000 GHz	Ch Freq 3 Adj Channel Power	.84 GHz	Trig Free erages: 100 PASS	Center Freq 3.84000000 GHz
AP2020.8.6,19480,Canducted D2	Start Freq 3.64000000 GHz	AP2020.8.6,19480,Conduc			Start Freq 3.75000000 GHz
Ref 30 dBm •Atten 26 dB •Avg PR\$S LIMIT1	Stop Freq 3.82000000 GHz	PASS LIMI	en 26 dB		Stop Freq 3.93000000 GHz
10 dB/ Offst	CF Step 18.000000 MHz Auto Man	10 dB/ Offst			CF Step 18.0000000 MHz Auto Man
17.5 dB Center 3.730 000 GHz Span 180 MHz	Freq Offset 0.00000000 Hz	17.5 dB Center 3.840 000 GHz		Span 180 MHz	Freq Offset 0.00000000 Hz
Carrier Coner 58,56 Finz 1,666 Finz -46,27 -21,61 -46,55 -15,66	<b>Signal Track</b> <sup>On <u>Off</u></sup>	<ul> <li>Res BW 360 kHz</li> <li>RMS Results Freq Offse Carrier Power 30.50 MH;</li> </ul>	t RefR⊎ dBc Lowe	Sweep 4.369 ms (8192 pts) <sup>r</sup> dBm dBc <sup>Upper</sup> dBm -20.16 -47.36 -19.75	Signal Track <sup>On <u>Off</u></sup>
27.26 dBm / 60.0000 MHz		27.61 dBm / 60.0000 MHz			
Copyright 2000-2011 Agilent Technologies		Copyright 2000-2011	Agilent Technologies		
5G NR Band n77 60MHz QPSK Low Channel R	B162-0	5G NR Band	n77 60MHz QPS	SK Middle Channel	RB162-0
💥 Agilent 03:56:01 Aug	19,2020	L	Freq/Channel		
	5 GHz	Trig Free	Center Freq 3.95000000 GHz		
Adj Channel Power	Av	erages: 100 PASS	Start Freq		
AP2020.8.6,19480,Conduct Ref 30 dBm •Atter	ed D2 1 26 dB		3.86000000 GHz		
*Avg PASS LIMIT1			Stop Freq 4.04000000 GHz		
			CF Step 18.0000000 MHz		
0ffst 17.5 dB			Auto Man		
Center 3.950 000 GHz		Span 180 MHz	FreqOffset 0.00000000 Hz		
•Res BW 360 kHz RMS Results Freq Offset	#VBW 1.2 MHz Ref BW dBc Low	Sweep 4.369 ms (8192 pts) ar dBm dBc <sup>Upper</sup> dBm	Signal Track		
Carrier Power 30.50 MHz 27.20 dBm / 60.0000 MHz	1.000 MHz -46.76	-19.56 -46.91 -19.71			
Copyright 2000-2011 A	gilent Technologies				
5G NR Band r	177 60MHz QI	PSK High Channel	RB162-0		

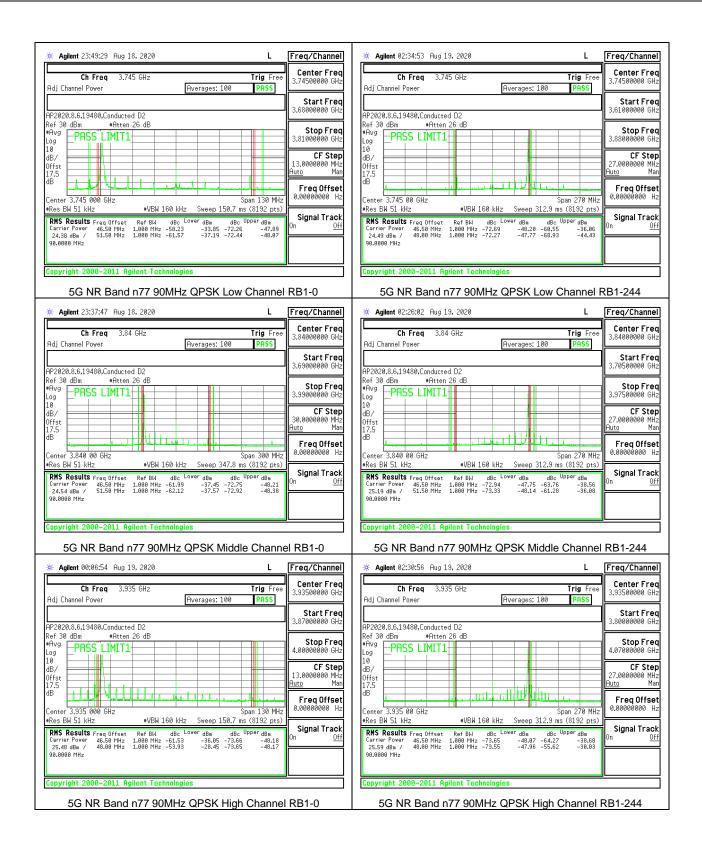
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Ch Freq         3.74 GHz         Trig         Center	<b>r Freq</b> 100 GHz					
AP2020.8.6,19480,Conducted D2 3.68000000 GHz AP2020.8.6,19480,Conducted D2 3.6900000 GHz AP2020.8.6,19480,Conducted D2	<b>tFreq</b> 100 GHz					
Ref 30 dBm         •Atten 26 dB           *Ary         PRSS LIMIT1         Stop Freq 3.8000000 GHz         Ref 30 dBm         •Atten 26 dB           Log         Dot         PRSS LIMIT1         Stop Stop Stop Stop Stop Stop Stop Stop	<b>p Freq</b> 100 GHz					
10 dB/ 0ffst 17.5 0ffst 17	F Step 100 MHz Man					
Center 3.740 000 GHz Span 120 MHz 0.0000000 Hz Center 3.840 00 GHz Span 300 MHz 0.000000	Offset 000 Hz					
Tarrier Power 40,500 MHz 1,000 MHz 1,51,00 Hz -23,87 -49,52 -21,15 0n - 0ff Carrier Power 40,500 MHz 1,000 MHz -51,00 -3,87 -49,50 -21,15 0n - 0ff Carrier Power 40,500 MHz 1,000 MHz -51,00 -3,87 -49,50 -21,15 0n - 0ff Carrier Power 40,500 MHz 1,000 MHz -50,500 -23,16	Track <u>Off</u>					
27.20 dBm / 41.50 MHz 1.000 MHz -50.88 -23.67 -48.99 -21.79						
Copyright 2000-2011 Agilent Technologies Copyright 2000-2011 Agilent Technologies						
5G NR Band n77 80MHz QPSK Low Channel RB216-0 5G NR Band n77 80MHz QPSK Middle Channel RB216	6-0					
* Agilent 01:04:00 Aug 19, 2020 L Freq/Channel						
Ch Freq 3.94 GHz Trig Free 3.9400000 GHz						
Adj Channel Power Averages: 100 PASS Start Freq						
AP2020.8.6,19480,Conducted D2 Ref 30 dBm • Arten 26 dB						
*Avg Log PASS LIMIT1 Stop Freq 4.00000000 GHz						
0ffst 17.5 B						
Center 3,940 000 GHz Span 120 MHz 0.00000000 Hz						
Res BW 360 kHz     VBW 1.2 MHz Sweep 3.276 ms (8192 pts)						
RMS Results         Freq         Offset         Ref Bit         dBc         Lower dBm         dBc         Upper dBm         On         Off           27,20 dBm         41.50 MHz         1.080 MHz         -49.16         -22.08         -47.57         -20.61         On         Off						
80.0000 MHz						
Copyright 2000-2011 Agilent Technologies						
5G NR Band n77 80MHz QPSK High Channel RB216-0						

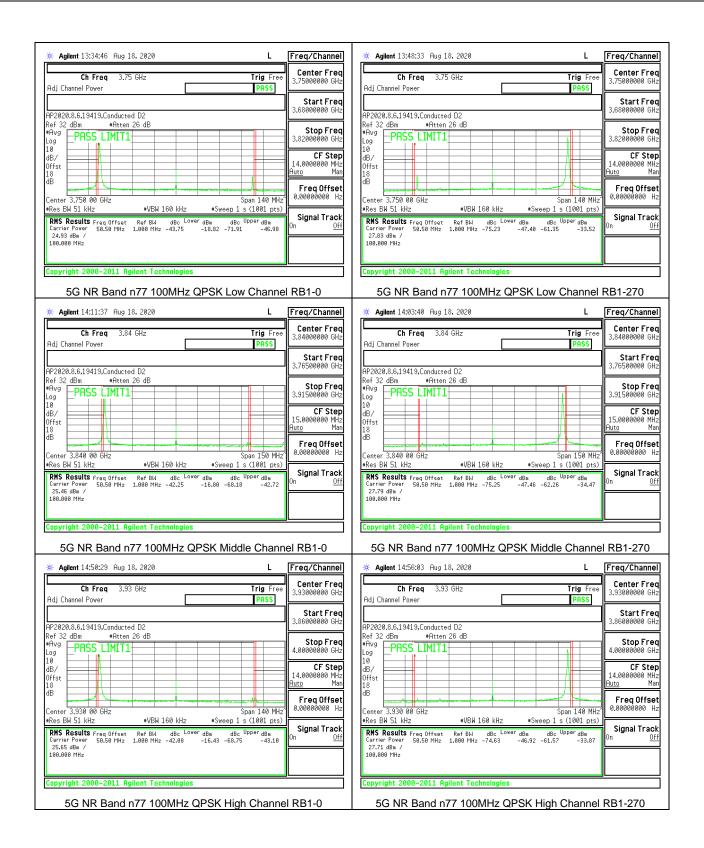
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ዡ Agilent 00:50:59 Aug 19, 2020	Freq/Channel	* Agilent 00:53:57 Aug 19, 2020 L Freq/Channel
Ch Freq 3.745 GHz Trig Free Adj Channel Power Averages: 100 PASS	Center Freq 3.74500000 GHz	Ch Freq 3.84 GHz Trig Free Adj Channel Power Averages: 100 PRS
AP2020.8.6,19480,Conducted D2	Start Freq 3.68000000 GHz	AP2020.8.6,19480,Conducted D2
Ref 30 dBm •Atten 26 dB •Avg PRSS LIMIT1	Stop Freq 3.81000000 GHz	Ref 30 dBm         #Atten 26 dB         Stop Freq           #Avg         PRSS LIMIT1         3.9900000 GHz           10         Press         3.9900000 GHz
10 dB/ 0ffst 17.5	CF Step 13.0000000 MHz <u>Auto</u> Man	L0         CF Step           dB/         30.0000000 MHz           0ffst         17.5
dB Center 3.745 000 GHz Span 130 MHz	Freq Offset 0.00000000 Hz	dB         Freq Offset           Center 3.840 00 GHz         Span 300 MHz
Res BW 360 kHz         *VBW 1.2 MHz         Sweep 3.276 ms (8192 pts)           RHS Results Freq Offset         Ref BH         dBc         Lover dBm         dBc         Upper dBm           Carrier Power         45.58 MHz         1.880 MHz         -51.44         -24.72         -58.01         -23.29           26.71 dBm         / 46.59 MHz         1.880 MHz         -51.51         -24.90         -49.82         -23.11           98.0808 MHz           -51.51         -24.90         -49.82         -23.11	Signal Track On <u>Off</u>	•Res BW 360 kHz         •VBW 1.2 MHz         Sweep 7.099 ms (8192 pts)           RMS Results Frag Offset         Ref BW         dBc         Lover dBm         dBc         Upper dBm           Carrier Power         45.58 MHz         1.880 MHz         -58.77         -23.45         -49.79         -22.47           27.32 dBm / 45.58 MHz         1.880 MHz         -58.93         -23.61         -49.76         -22.44
Copyright 2000-2011 Agilent Technologies		Copyright 2000-2011 Agilent Technologies
5G NR Band n77 90MHz QPSK Low Channel R	B240-0	5G NR Band n77 90MHz QPSK Middle Channel RB240-0
Adj Channel Power AP2020.8.6,19480,Conducte Ref 30 dBm •Atten Phys Log 10 dB/	35 GHz Av id D2 26 dB	L         Freq/Channel           Trig         Free           Verages: 100         PRSS           Start Freq         3.87000000 GHz           Stop Freq         3.87000000 GHz           Stop Freq         4.00000000 GHz           13.0000000 GHz         13.0000000 Hz
Offst 17.5 dB Center 3.935 000 GHz •Res BH 360 KHz RMS Results Freq Diffest	#VBW 1.2 MHz Ref BW dBc Low	Auto         Man           Span 130 MHz         Freq Offset           Sweep 3.276 ms (6192 pts)         Signal Track
Carriar Power 45,58 MHz 27.25 dBm / 46.58 MHz 98,0000 MHz	1.000 MHz -49.58 1.000 MHz -49.62	-22.33 -48.38 -21.13 -22.37 -40.36 -21.11
Copyright 2000-2011 A		
5G NR Band r	177 90MHz QF	PSK High Channel RB240-0

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ዡ Agilent 11:14:59 Aug 18, 2020 L	Freq/Channel	🔆 Agilent 14:21:01 Aug 18, 2020	L	Erog (Channel		
<b>Agricut</b> 11.14.35 mug 10, 2020		Sec. Agilent 14.21.01 Hug 10, 2020	E	Freq/Channel		
Ch Freq 3.75 GHz Trig Free Adj Channel Power PASS	Center Freq 3.75000000 GHz	Ch Freq 3.84 GHz	Trig Free PASS	Center Freq 3.84000000 GHz		
Adj Channel Power PASS	Start Freq	Adj Channel Power	PHSS	Start Freq		
AP2020.8.6,19419,Conducted D2	3.68000000 GHz	AP2020.8.6,19419,Conducted D2		3.76500000 GHz		
Ref 32 dBm #Atten 26 dB #Avg DDCC ITWIT1	Stop Freq	Ref 32 dBm #Atten 26 dB		Stop Freq		
PRVS LIMIT1	3.82000000 GHz			3.91500000 GHz		
dB/ Offst	CF Step 14.0000000 MHz	dB/ Offst		CF Step 15.0000000 MHz		
18 dB	<u>Auto</u> Man	18 dB		<u>Auto</u> Man		
Center 3.750 00 GHz Span 140 MH2	Freq Offset	Center 3.840 00 GHz	Span 150 MHz	Freq Offset		
enter 3.750 00 GHz Span 140 MHZ •Res BW 470 kHz •VBW 1.5 MHz •Sweep 1 s (1001 pts)			Span 150 MHz I.2 MHz #Sweep 1 s (1001 pts)			
RMS Results         Freq Offset         Ref Bil         dBc         Lower         dBm         dBc         Upper dBm           Carrier         Power         50.50 MHz         1.000 MHz         -48.39         -20.78         -47.10         -19.49	Signal Track On <u>Off</u>	RMS Results Freq Offset Ref BW Carrier Power 50.50 MHz 1.000 MHz	dBc Lower dBm dBc Upper dBm -51.53 -23.58 -49.83 -21.88	Signal Track On <u>Off</u>		
27.62 dBm / 100.000 MHz		27.94 dBm / 100.000 MHz				
Copyright 2000–2011 Agilent Technologies		Copyright 2000–2011 Agilent Tecl	nologies			
5G NR Band n77 100MHz QPSK Low Channel	RB270-0	5G NR Band n77 100N	IHz QPSK Middle Channe	I RB270-0		
		Erog (Cl	honnal			
★ Agilent 14:26:50 Aug 1	10, 2020	L Freq/Cl				
	3 GHz	Irig Free 3.930000	<b>r Freq</b> 000 GHz			
Adj Channel Power		PASS	t Freq			
AP2020.8.6.19419.Conducte	ad D2	3.860000				
Ref 32 dBm #Atten	26 dB	Sto	pFreq			
		4.00000				
dB/		C 14.0000	F Step			
0ffst		Auto	Man			
dB			Offset			
Center 3.930 00 GHz *Res BW 360 kHz	∗VBW 1.2 MHz	Span 140 MHz 0.00000 +Sweep 1 s (1001 pts)	000 HZ			
RMS Results Freq Offset	Ref BW dBc Low	er dBm dBc Upper dBm Signal	Track Off			
Carrier Power 50.50 MHz 27.86 dBm /	1.000 MHz -49.22	-21.36 -48.80 -20.93				
100.000 MHz						
Copyright 2000-2011 Ag	ailent Technologies					
5G NR Band n	1// 100MHz Q	PSK High Channel RB270-	0			

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# 8.3. OUT OF BAND EMISSIONS

### TEST PROCEDURE

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

- Set display line at -13 dBm, -25dBm and -40dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz. (NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

# **RESULTS**

Both QPSK and 16QAM modes are tested, QPSK bandwidths results are reported as worst case.

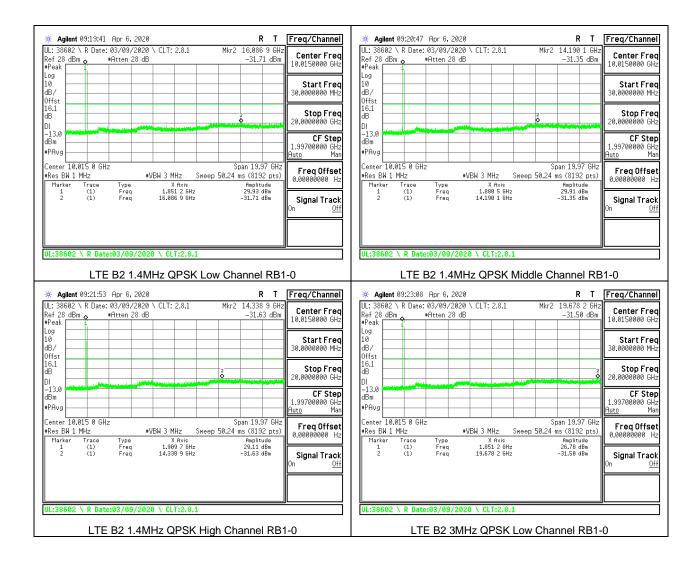
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#### 8.3.1. LTE BAND 2

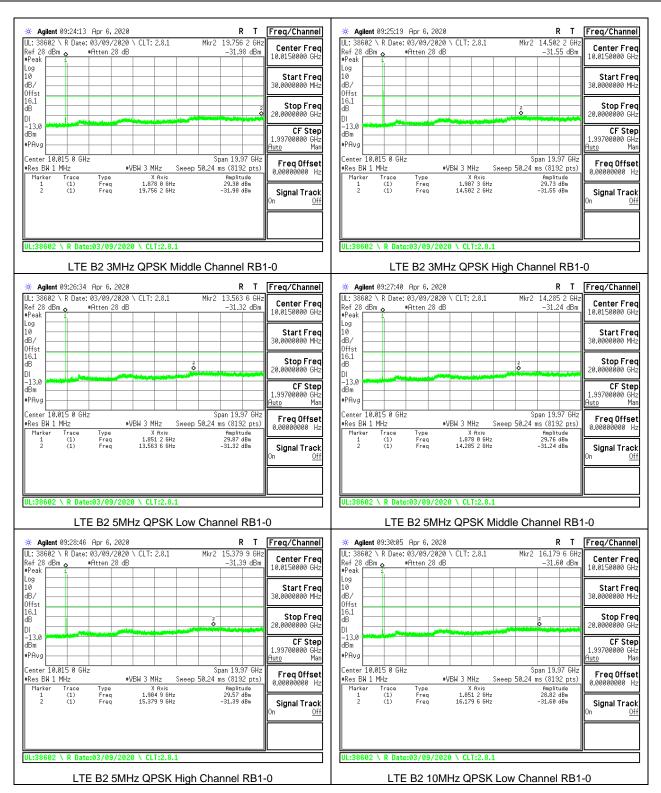
## <u>LIMITS</u>

#### FCC: §24.238

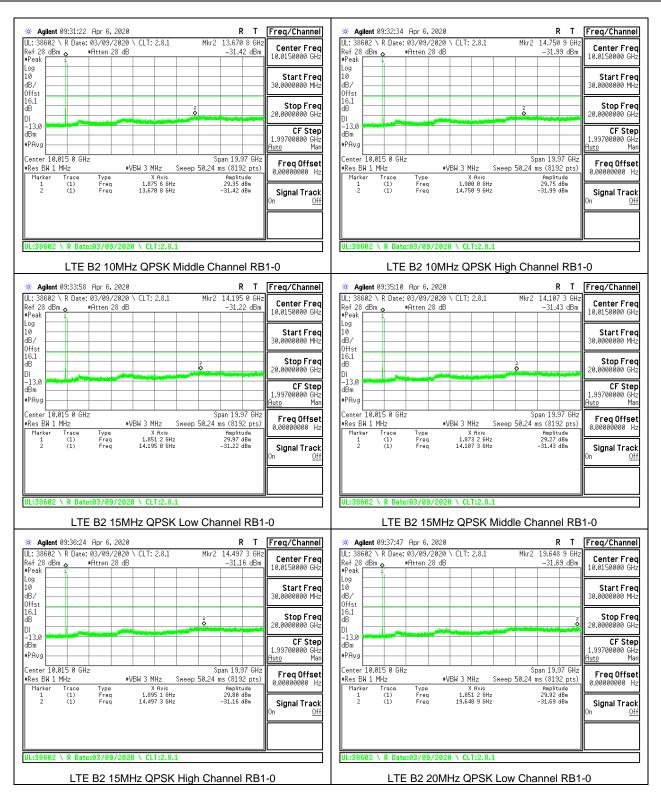
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.



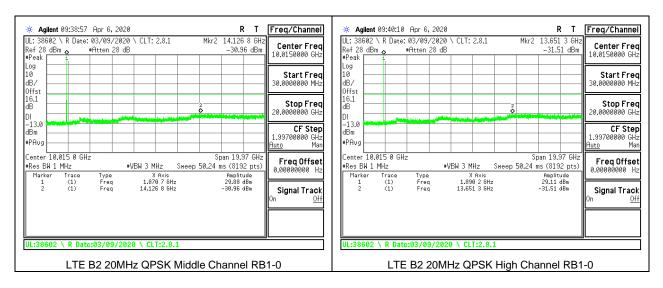
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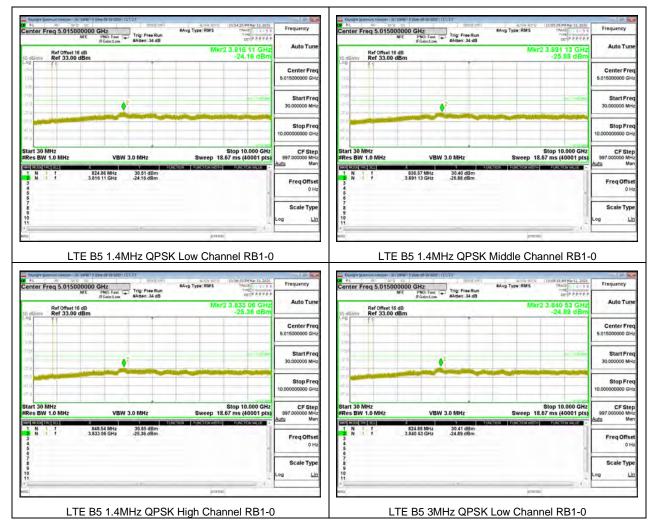
# 8.3.2. LTE BAND 5 AND 5G NR Band n5

#### LIMITS

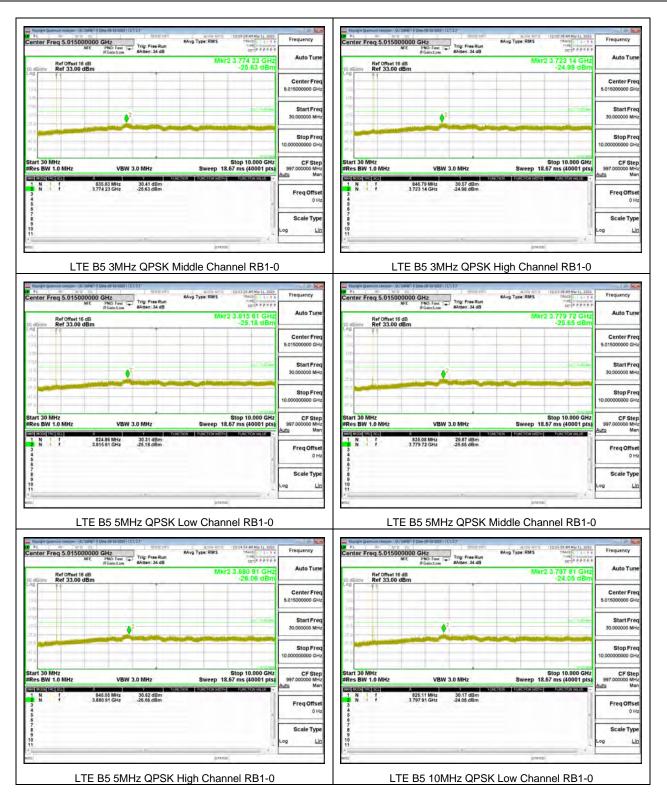
FCC: §22.917

The minimum permissible attenuation level of any spurious emissions is  $43 + 10 \log (P) dB$  where transmitting power (P) in Watts.

## LTE BAND 5



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Mager Barrism Andres - WE CERE 15 Date 15 EF 16 20 11 CF 27 ter Freq 5.0155000000 GH2 MC Intel Freq 5.0155000000 GH2 Trig: Free Run Trig: Free Run		Compare answer average - Accedent Flored Statedoo 10(1)27     Allow - San occ     Allow - San occc     Allow - San occ     Allow - San occ     Allow - San occc	Frequency
NE         Hitchest         Trightee Run Rates: 34 dB         Trightee Run Ref Offset 15 dB         Mkr2 3.830 B1 GH2           Billow         Ref 33.00 dBm         -25.57 dBm	Auto Tune	If Gent.on         #Atten: 34 dB         oct P = P = P           Ref Offset 16 dB         Mkr2 3.873 69 GHz         0 dB/m           10 dB/m         -25.51 dB/m         -25.51 dB/m	Auto Tune
	Center Freq 5.015000000 GHz		Center Fred 5.015000000 GHa
	Start Freq 30.000000 MHz		Start Free 30.000000 MHz
	Stop Freq 10.00000000 GHz	27) 470 270	Stop Free 0.000000000 GH
rt 30 MHz st 30 MHz s BW 1.0 MHz v BW 3.0 MHz sweep 18.67 ms (40001 pts) cost leafsol storage international functional functional	CF Step 997.000000 MHz Auto Man	Start 30 MHz Stop 10.000 GHz Res BW 1.0 MHz VBW 3.0 MHz Sweep 18.67 ms (40001 pts) CS 000 (1872) 10 MHz VBW 3.0 MHz Sweep 18.67 ms (40001 pts)	CF Step 997.000000 MH2 40 Mar
N f 832.55 MHz 30.42 dBm N f 3.830 81 GHz -25.67 rBm	Freq Offset 0 Hz	1 N 1 5 640.06 MHz 30.64 dBm N 5 3.873.68 GHz 25.61 dBm 3 5	Freq Offsel 0 Ha
	Scale Type	6 7 8 9 10 11	Scale Type
en e		3 51411G	

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# 5G NR Band n5



5G NR Band n5 20MHz QPSK High Channel RB1-0

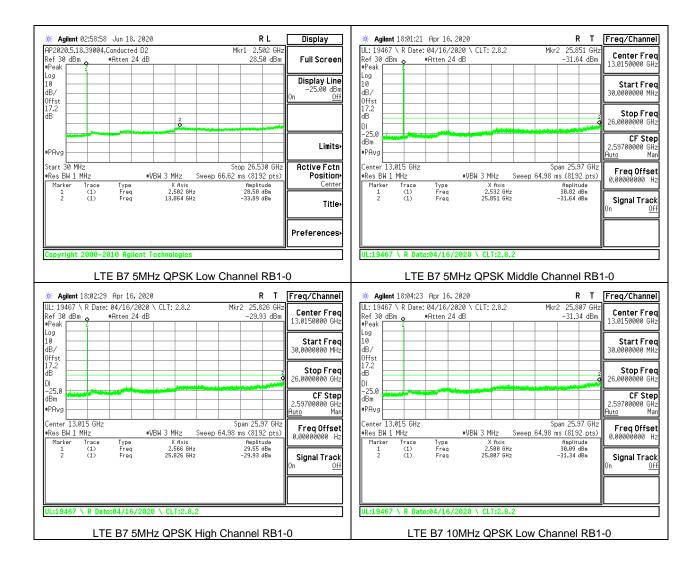
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#### 8.3.3. LTE BAND 7

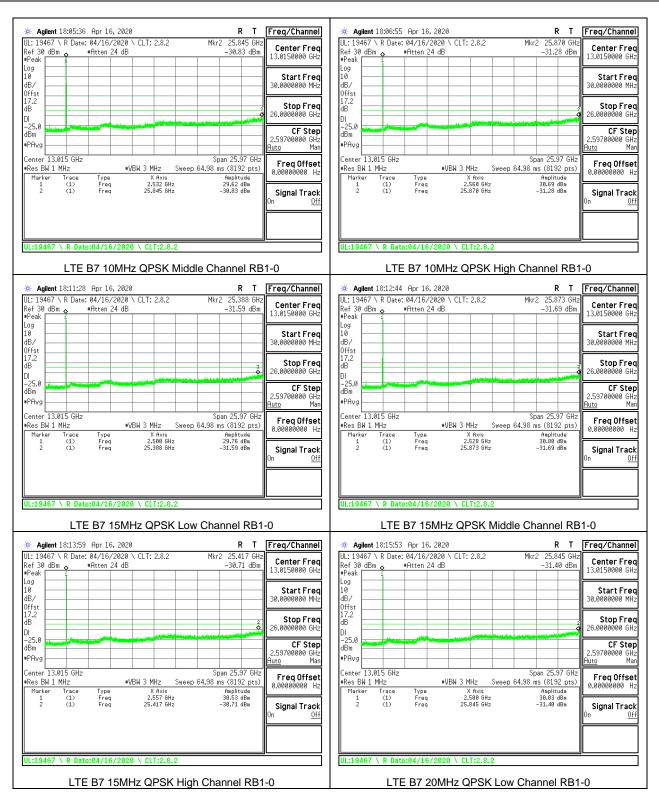
# LIMITS

#### FCC: §27.53 (m)

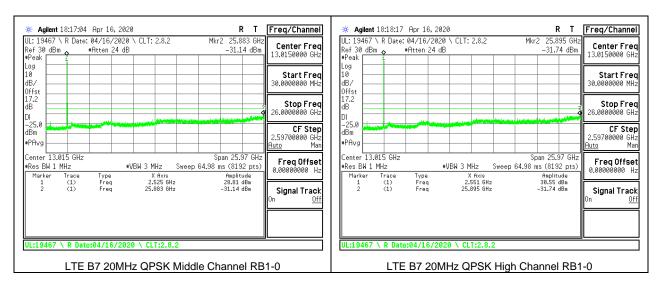
The minimum permissible attenuation level of any spurious emissions is 55 + 10 log (P) dB where transmitting power (P) in Watts.



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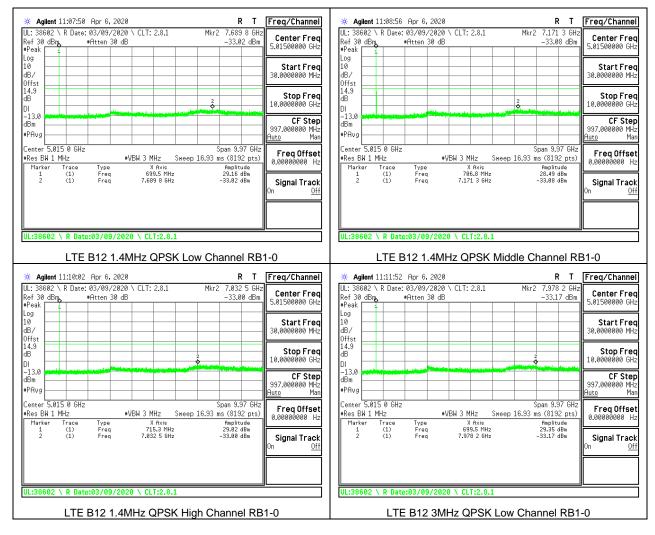
# 8.3.4. LTE BAND 12 AND 5G NR Band n12

## LIMITS

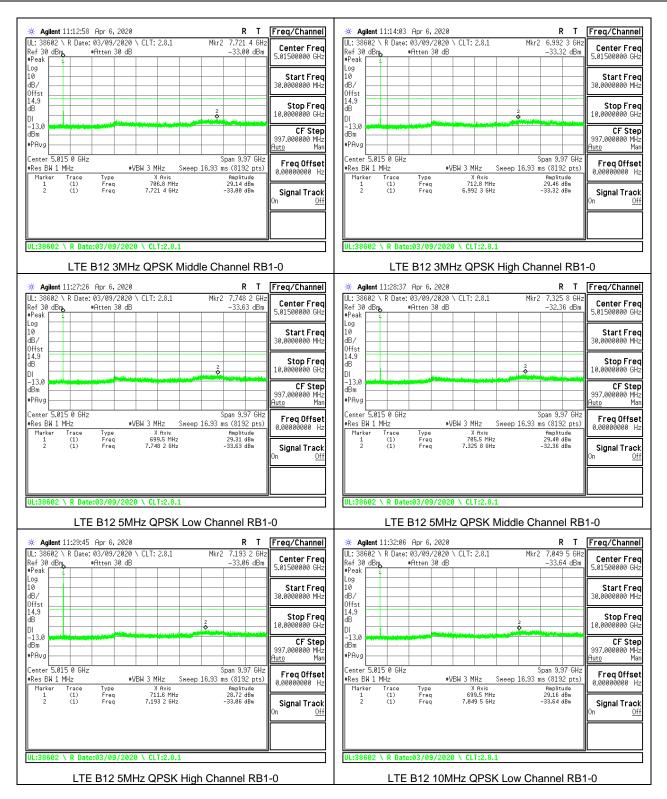
FCC: §27.53 (g)

The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

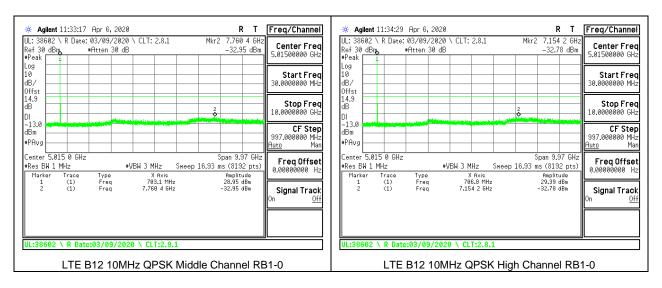
# LTE BAND 12



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# 5G NR Band n12



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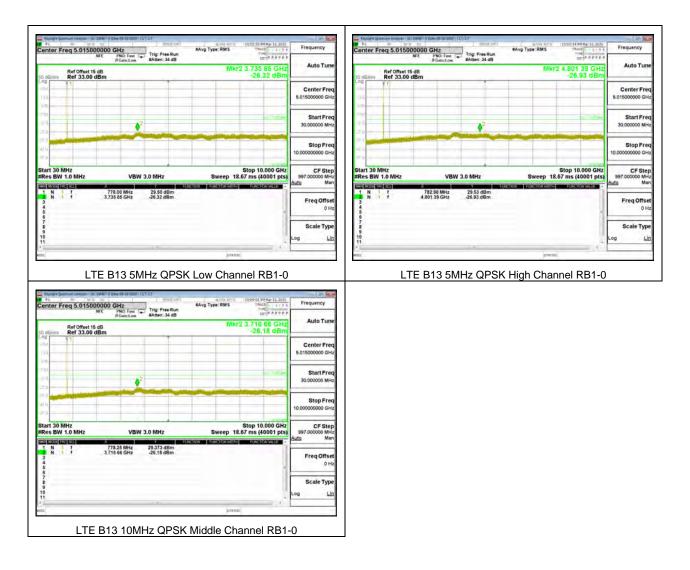
## 8.3.5. LTE BAND 13

## LIMITS

FCC: §27.53 (c), (f)

The minimum permissible attenuation level of any spurious emissions is  $43 + 10 \log (P) dB$  where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 9.1.6 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40dBm/MHz limit was used.



Note: Radiated data in section 9.1.6 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

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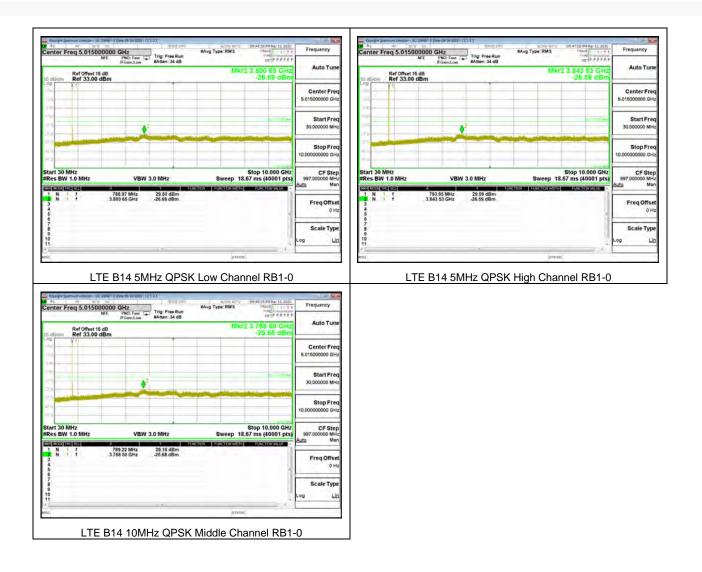
## 8.3.6. LTE BAND 14

#### LIMITS

FCC: §90.543 (e), (f)

The minimum permissible attenuation level of any spurious emissions is  $43 + 10 \log (P) dB$  where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 9.1.7 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40dBm/MHz limit was used.



Note: Radiated data in section 9.1.7 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

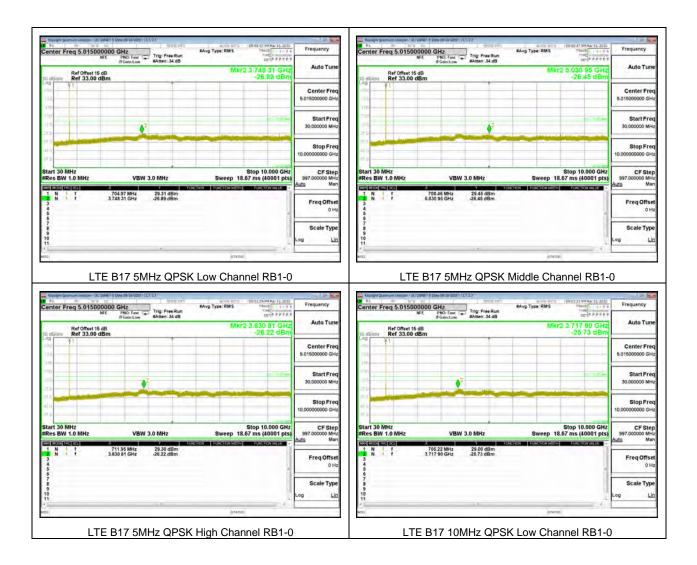
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#### 8.3.7. LTE BAND 17

## LIMITS

#### FCC: §27.53 (g)

The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.



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tef offset 15 dB Mkr2 3.734 60 G		Ref Offset 15 dB Mkr2 3.884 65 GHz Av 10 dB/sw Ref 33.00 dBm -25.52 dBm	uto Tun
	Center Freq 5.015000000 GHz		inter Frei 100000 GH
· · · · · · · · · · · · · · · · · · ·	Start Freq 30.000000 MHz		Start Fre
	Stop Freq 10.00000000 GHz		Stop Free
z Stop 10.000 C D MHz VBW 3.0 MHz Sweep 18.67 ms (40001 p	Auto Man	Auto	CF Step 00000 MH Mar
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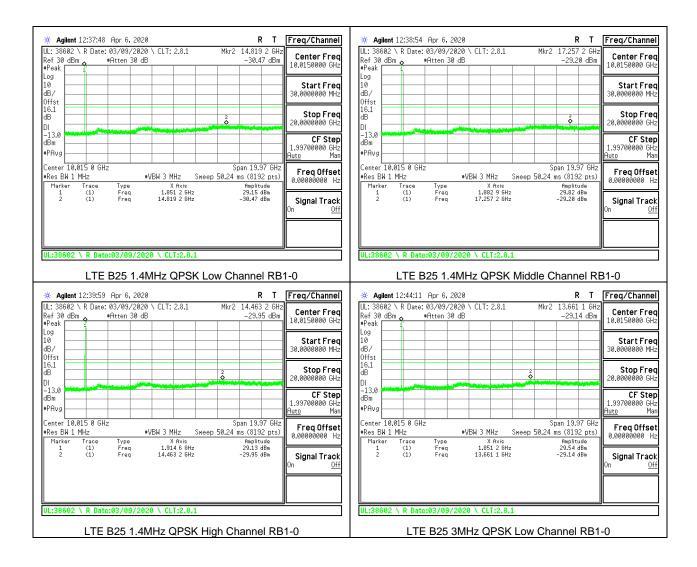
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#### 8.3.8. LTE BAND 25

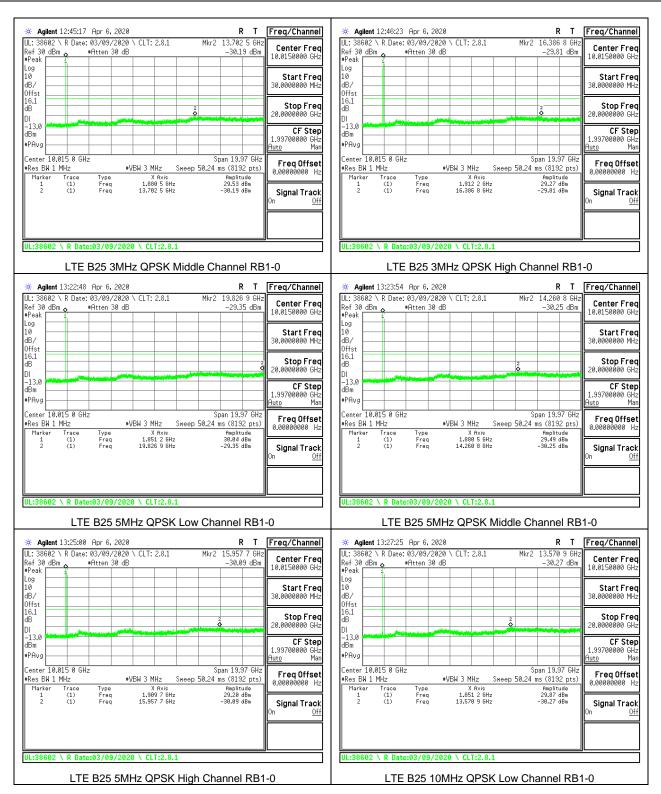
## <u>LIMITS</u>

#### FCC: §24.238

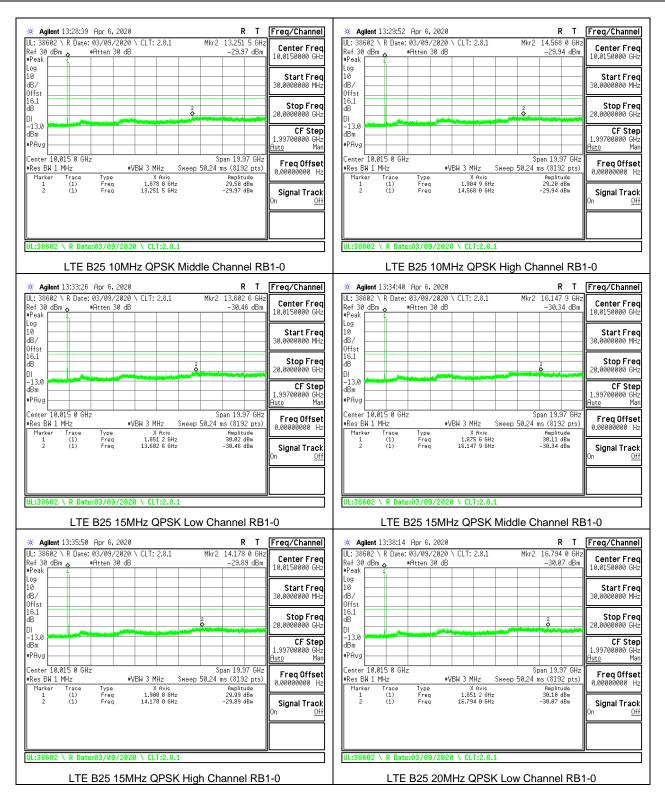
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.



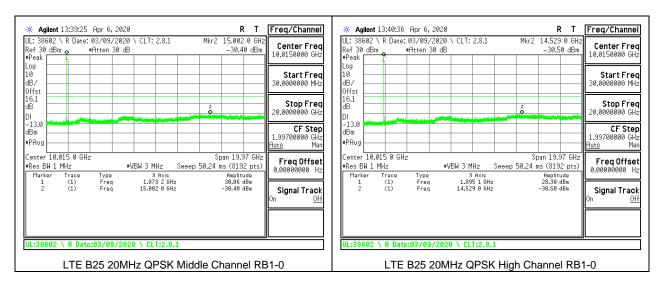
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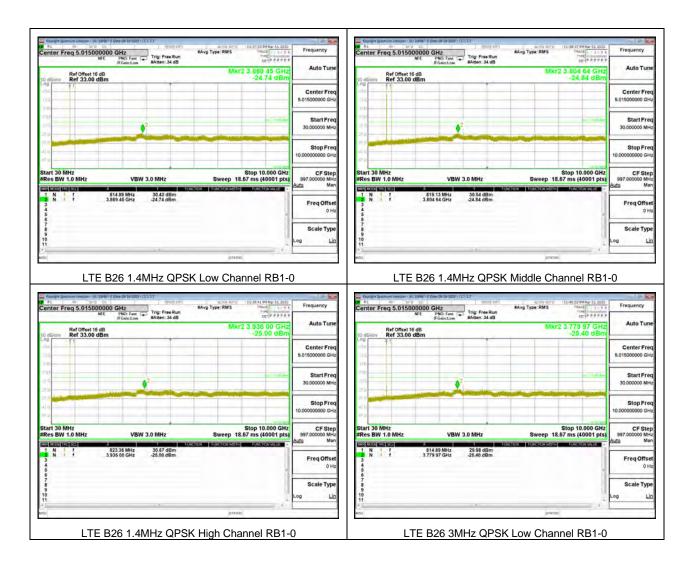
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# 8.3.9. LTE BAND 26 (PART 90S)

## <u>LIMITS</u>

FCC: §90.691

The minimum permissible attenuation level of any spurious emissions is  $43 + 10 \log (P) dB$  where transmitting power (P) in Watts.



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