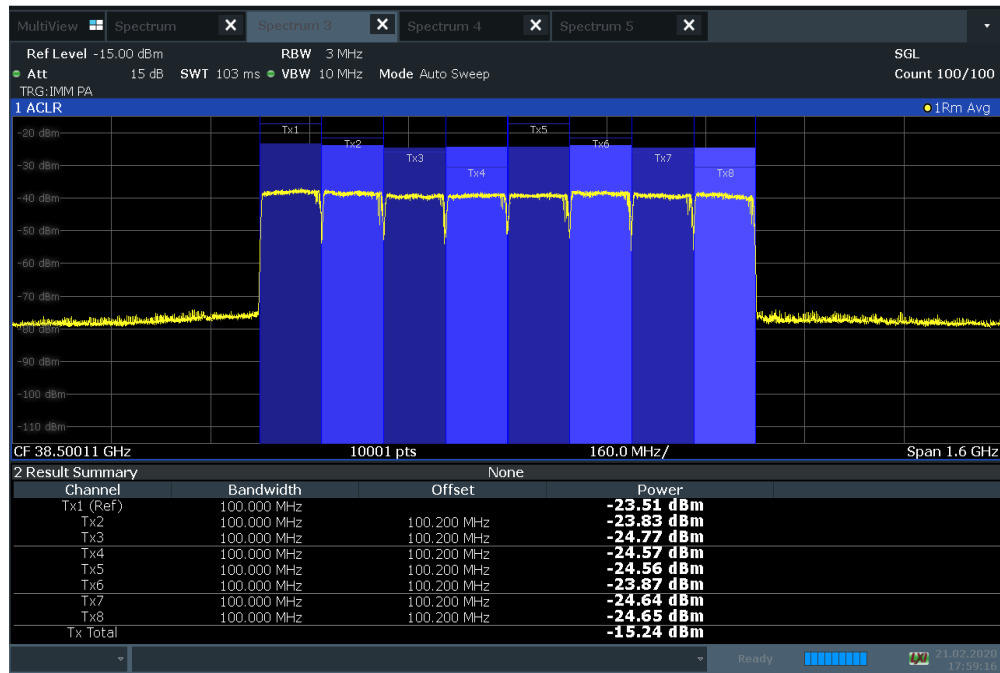


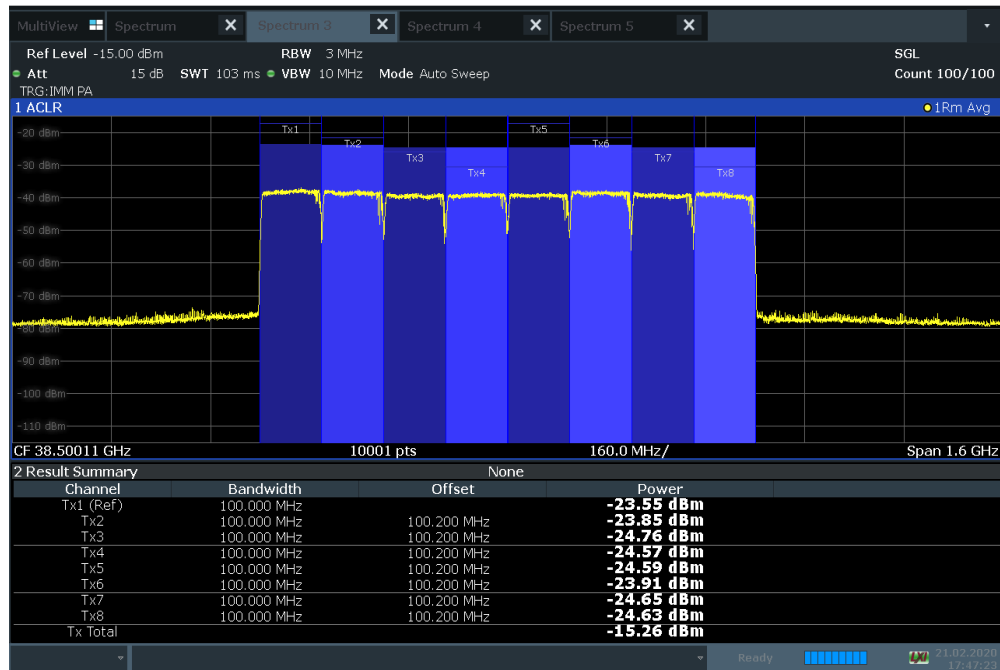
#### ACLRRResults



17:59:16 21.02.2020

**Plot 7-77. Antenna A EIRP Density Plot (100MHz BW 8CC 16QAM Mid Channel)**

#### ACLRRResults

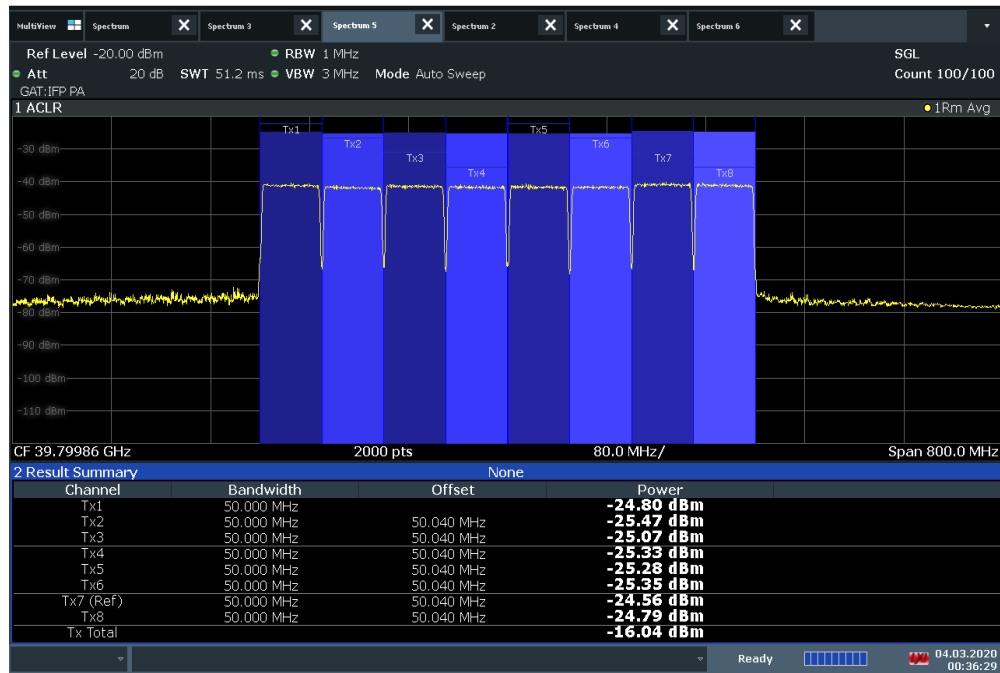


17:47:24 21.02.2020

**Plot 7-78. Antenna A EIRP Density Plot (100MHz BW 8CC 64QAM Mid Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 64 of 356                  |

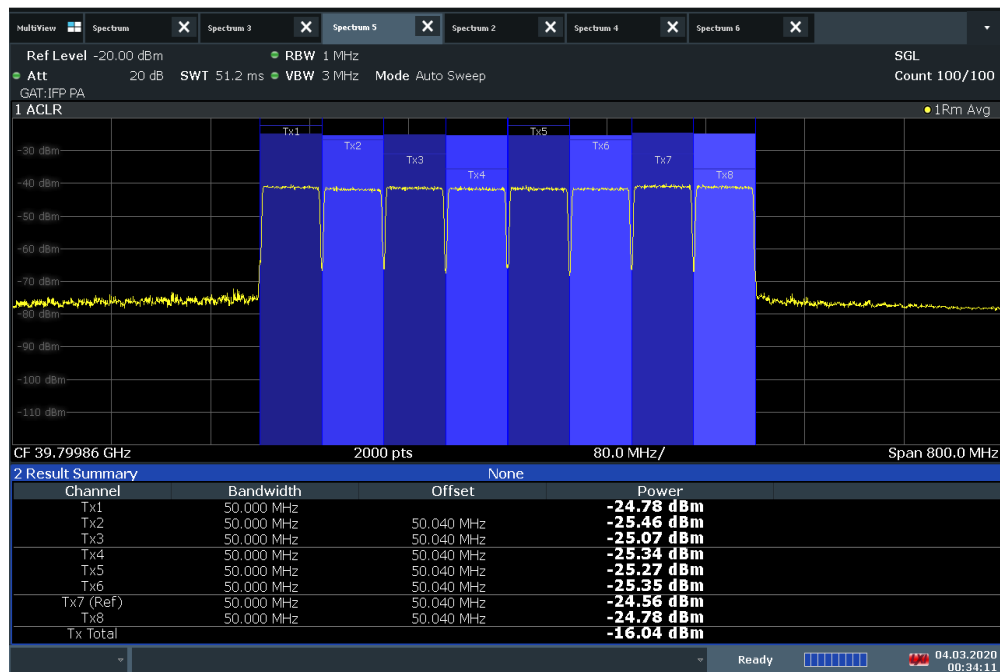
#### ACLRResults



00:36:30 04.03.2020

**Plot 7-79. Antenna A EIRP Density Plot (50MHz BW 8CC QPSK High Channel)**

#### ACLRResults

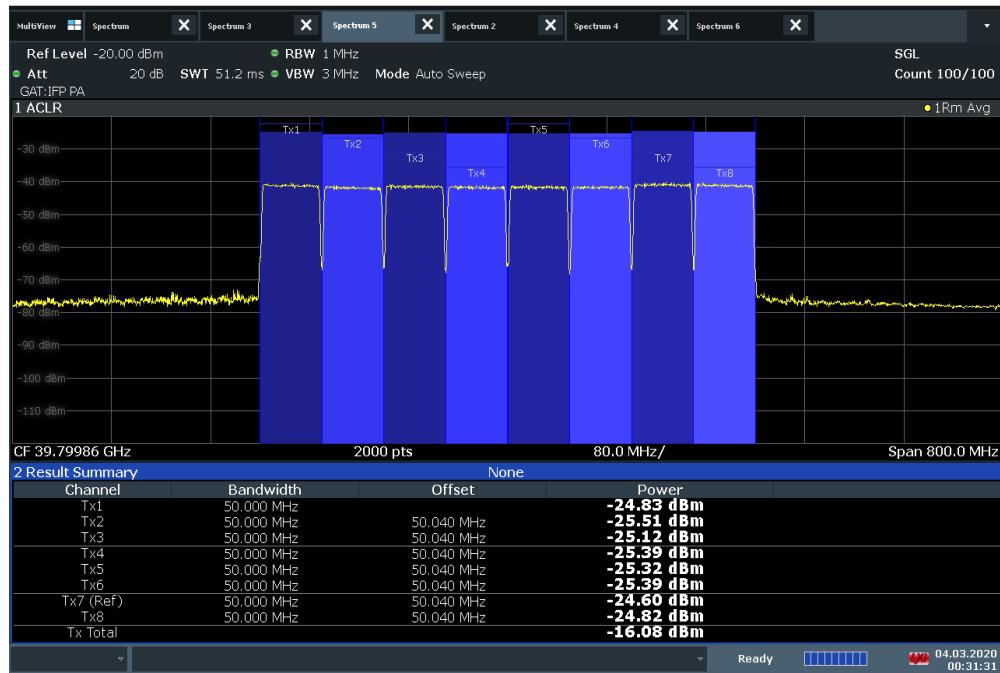


00:34:12 04.03.2020

**Plot 7-80. Antenna A EIRP Density Plot (50MHz BW 8CC 16QAM High Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 65 of 356                  |

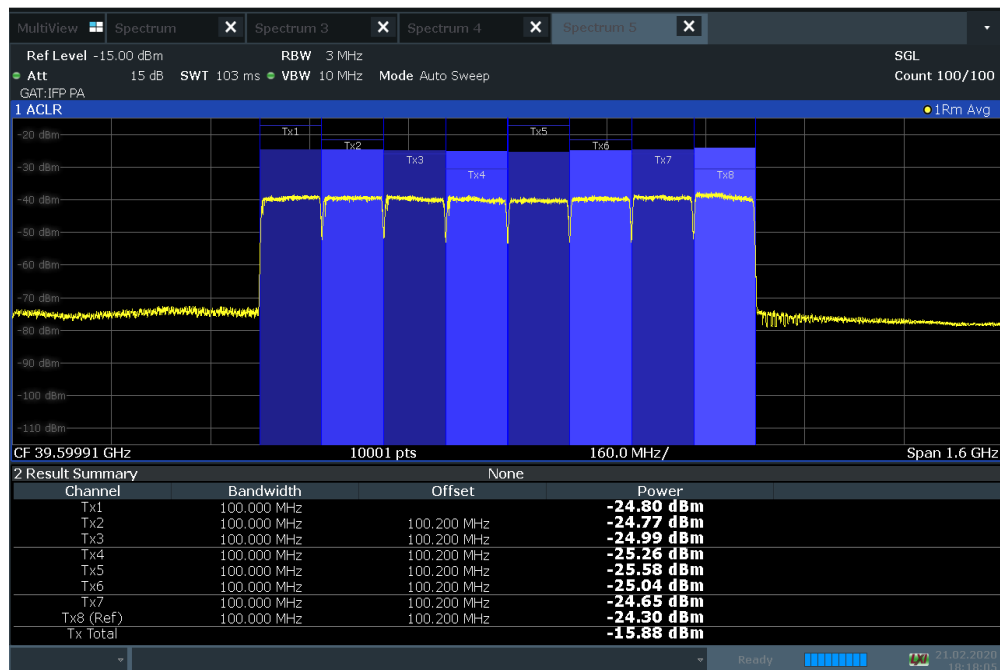
#### ACLRResults



00:31:32 04.03.2020

**Plot 7-81. Antenna A EIRP Density Plot (50MHz BW 8CC 64QAM High Channel)**

#### ACLRResults

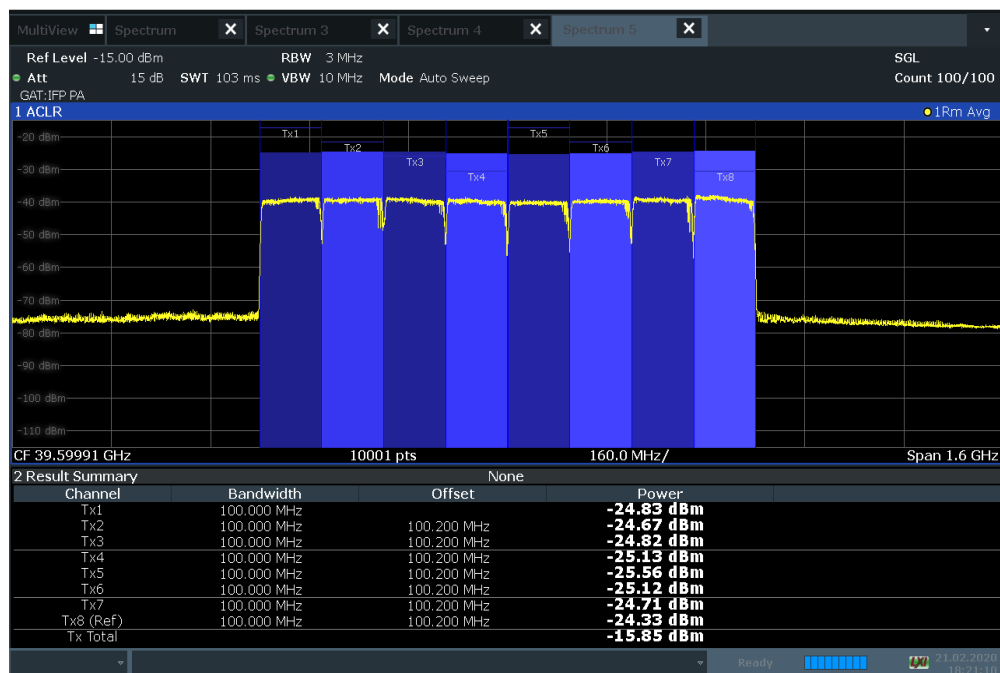


18:18:05 21.02.2020

**Plot 7-82. Antenna A EIRP Density Plot (100MHz BW 8CC QPSK High Channel)**

|                                       |                                              |                                               |                |                                 |
|---------------------------------------|----------------------------------------------|-----------------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit                   |                | Page 66 of 356                  |

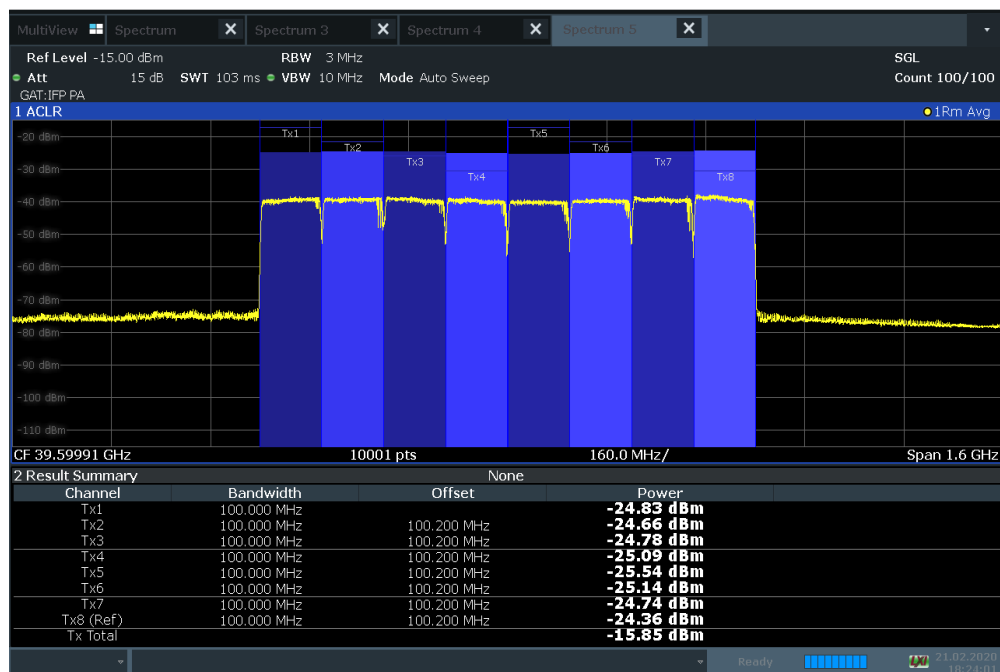
#### ACLRRResults



18:21:11 21.02.2020

Plot 7-83. Antenna A EIRP Density Plot (100MHz BW 8CC 16QAM High Channel)

#### ACLRRResults

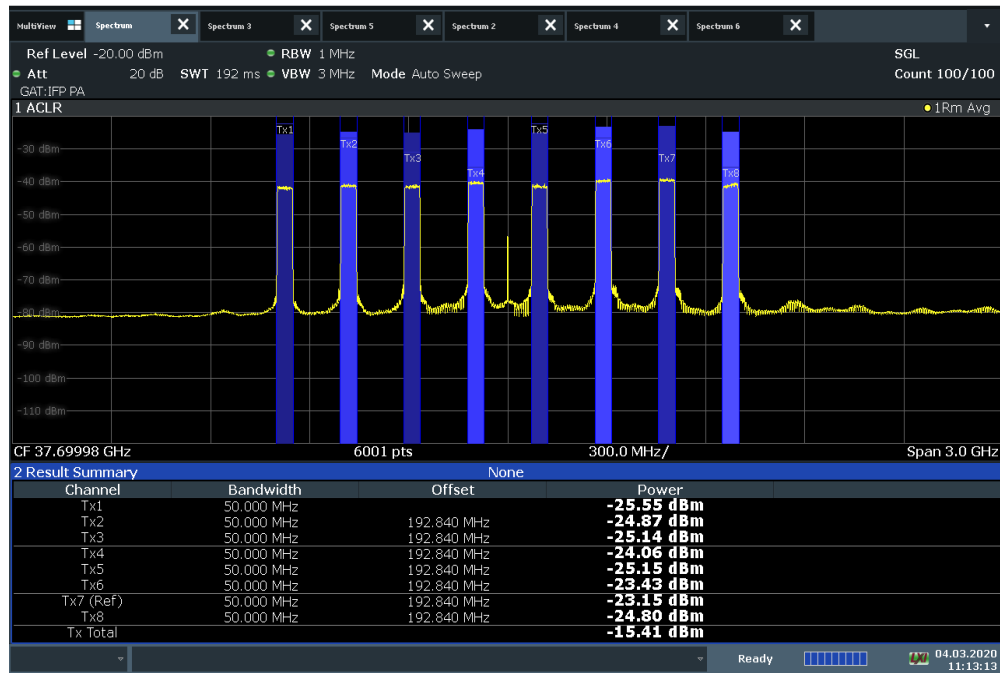


18:24:01 21.02.2020

Plot 7-84. Antenna A EIRP Density Plot (100MHz BW 8CC 64QAM High Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 67 of 356                  |

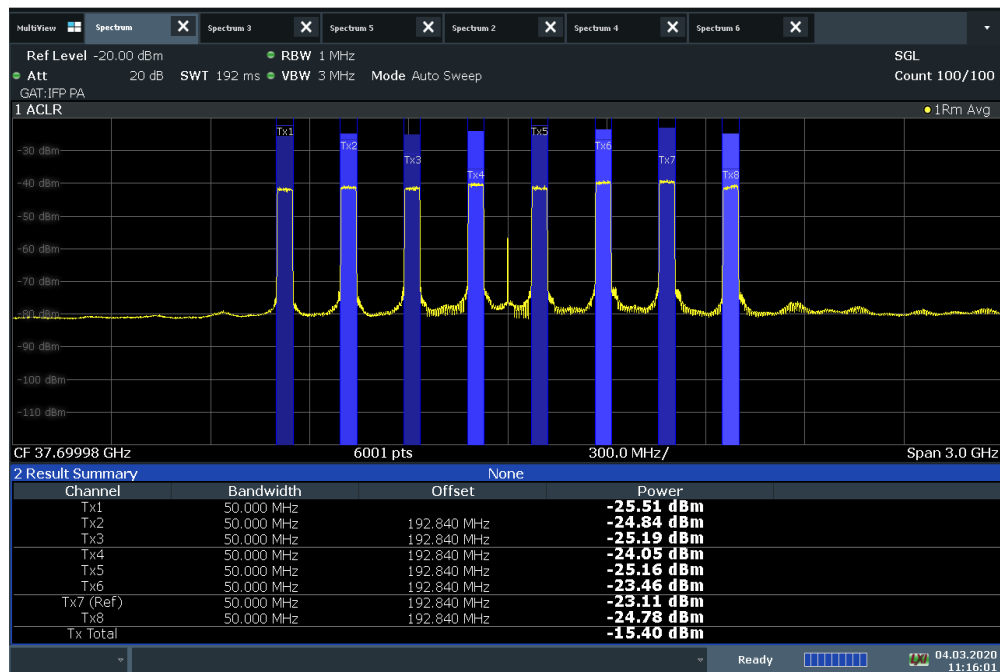
#### ACLRRResults



11:13:14 04.03.2020

**Plot 7-85. Antenna A EIRP Density Plot (50MHz BW 8CC NC QPSK Low Channel)**

#### ACLRRResults

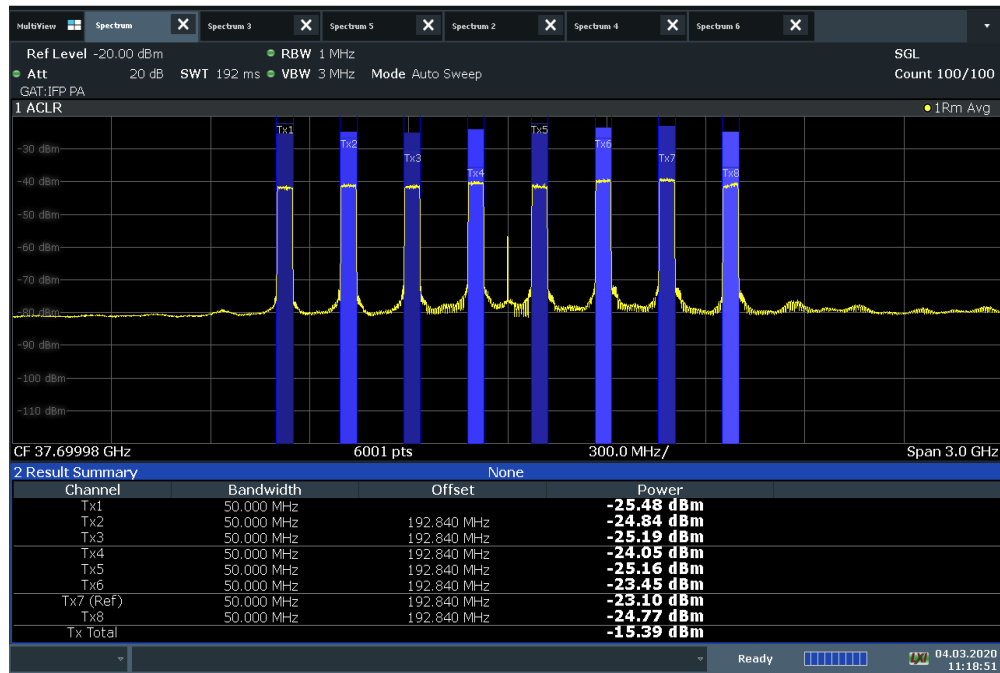


11:16:02 04.03.2020

**Plot 7-86. Antenna A EIRP Density Plot (50MHz BW 8CC NC 16QAM Low Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 68 of 356                  |

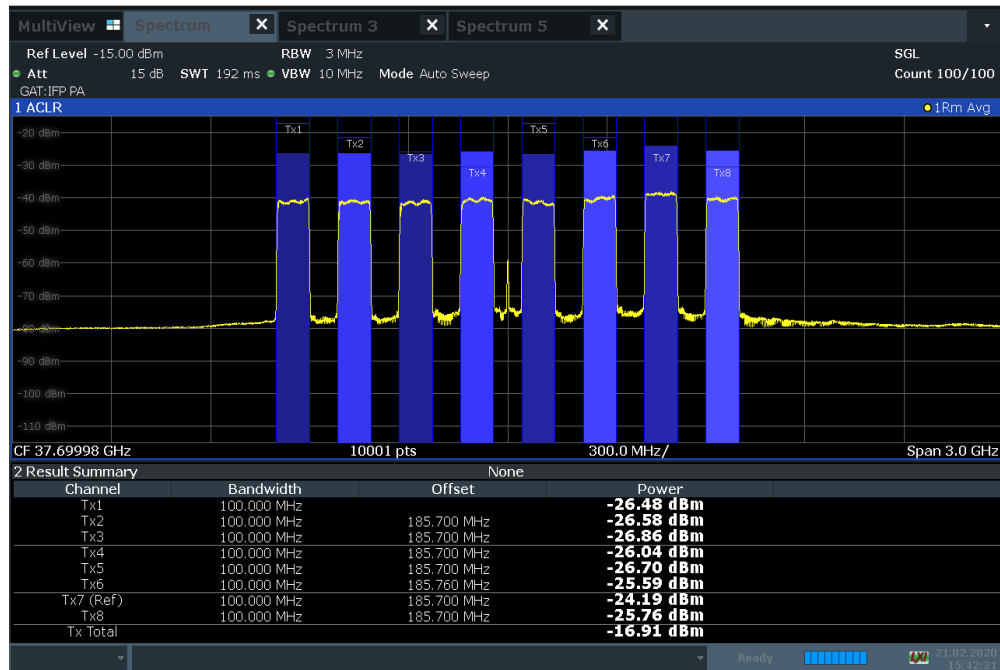
#### ACLRRResults



11:18:52 04.03.2020

**Plot 7-87. Antenna A EIRP Density Plot (50MHz BW 8CC NC 64QAM Low Channel)**

#### ACLRRResults

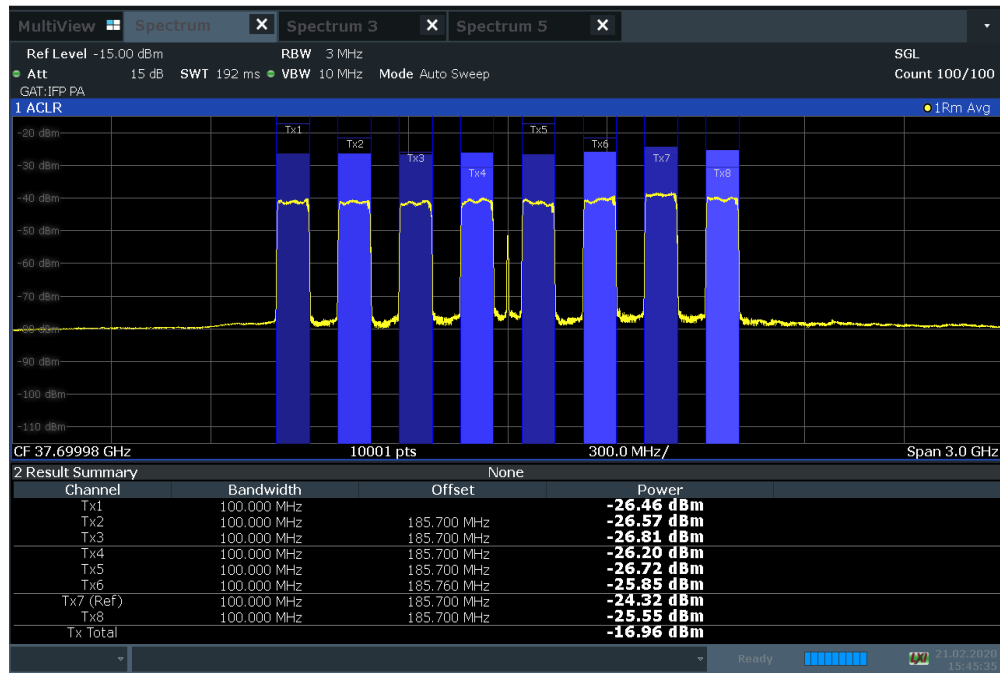


15:42:21 21.02.2020

**Plot 7-88. Antenna A EIRP Density Plot (100MHz BW 8CC NC QPSK Low Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 69 of 356                  |

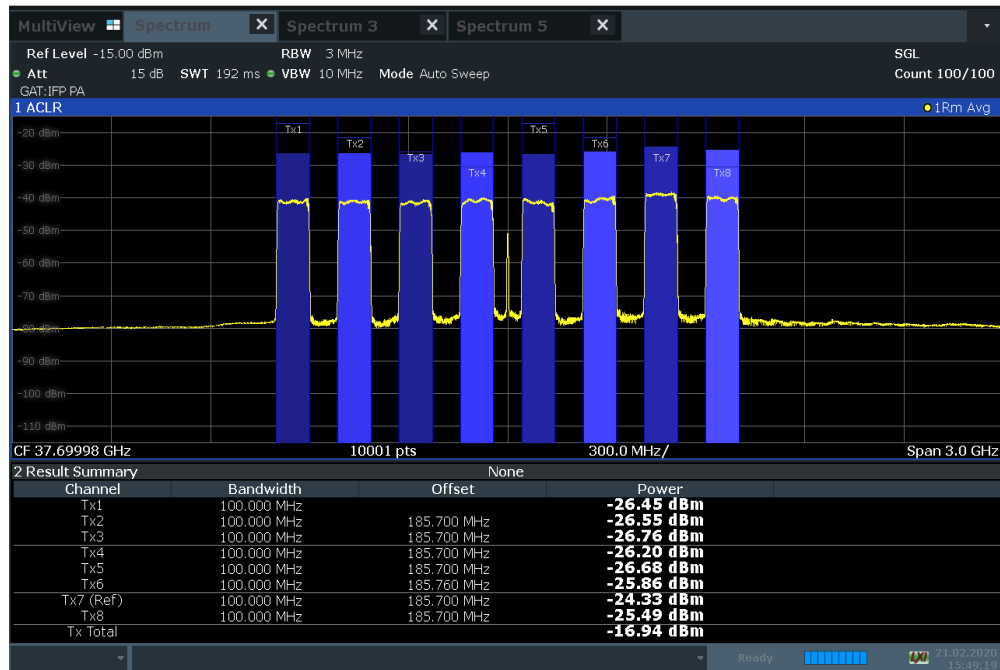
ACLRRResults



15:45:36 21.02.2020

Plot 7-89. Antenna A EIRP Density Plot (100MHz BW 8CC NC 16QAM Low Channel)

ACLRRResults



15:49:19 21.02.2020

Plot 7-90. Antenna A EIRP Density Plot (100MHz BW 8CC NC 64QAM Low Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 70 of 356                  |

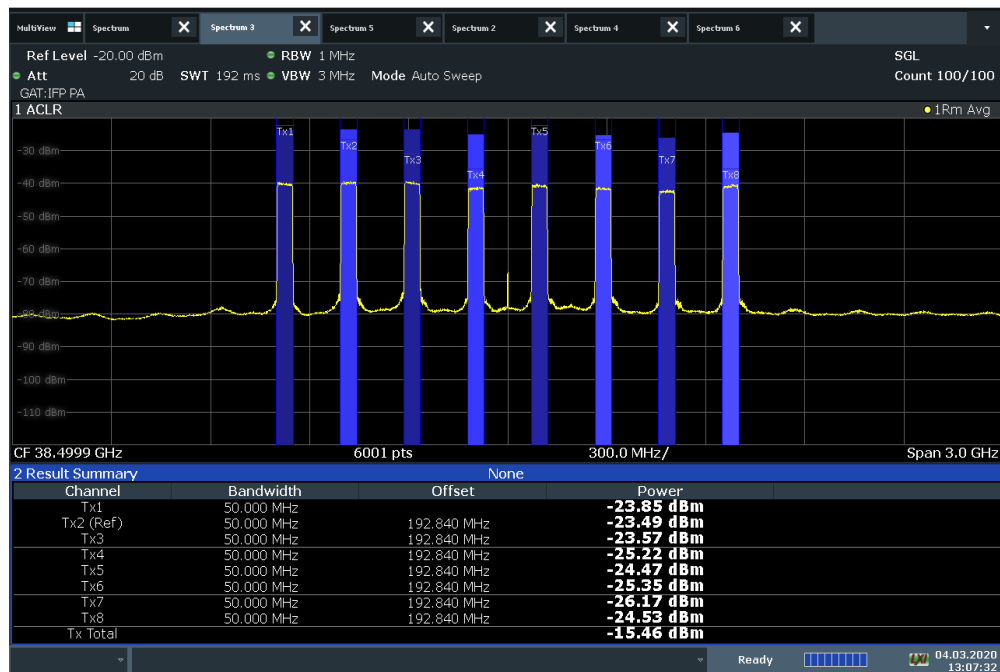
#### ACLRRResults



13:14:54 04.03.2020

Plot 7-91. Antenna A EIRP Density Plot (50MHz BW 8CC NC QPSK Mid Channel)

#### ACLRRResults

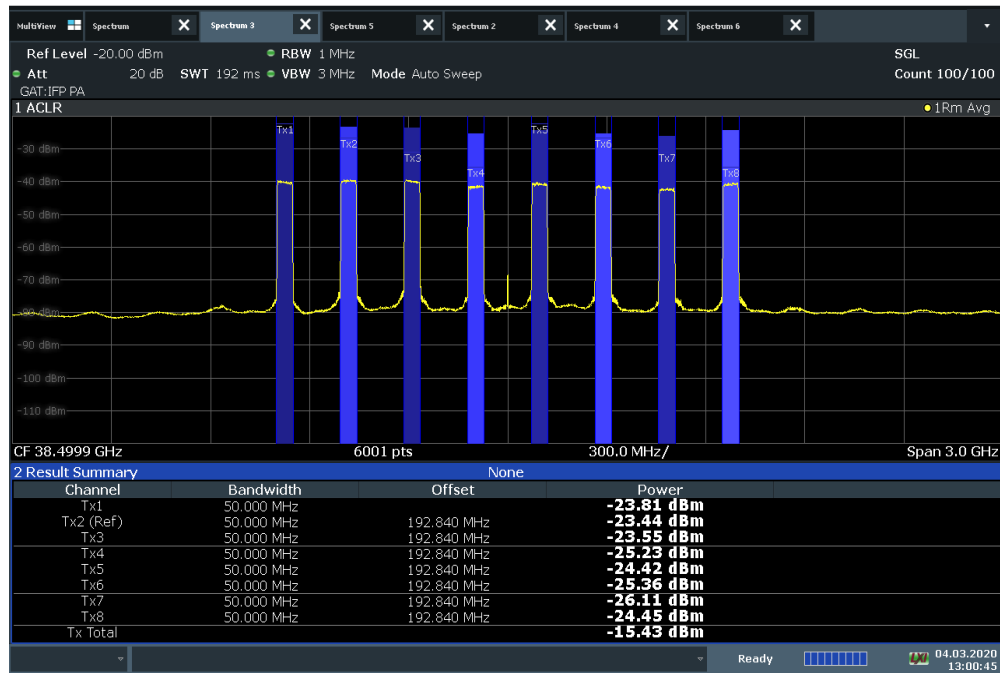


13:07:32 04.03.2020

Plot 7-92. Antenna A EIRP Density Plot (50MHz BW 8CC NC 16QAM Mid Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 71 of 356                  |

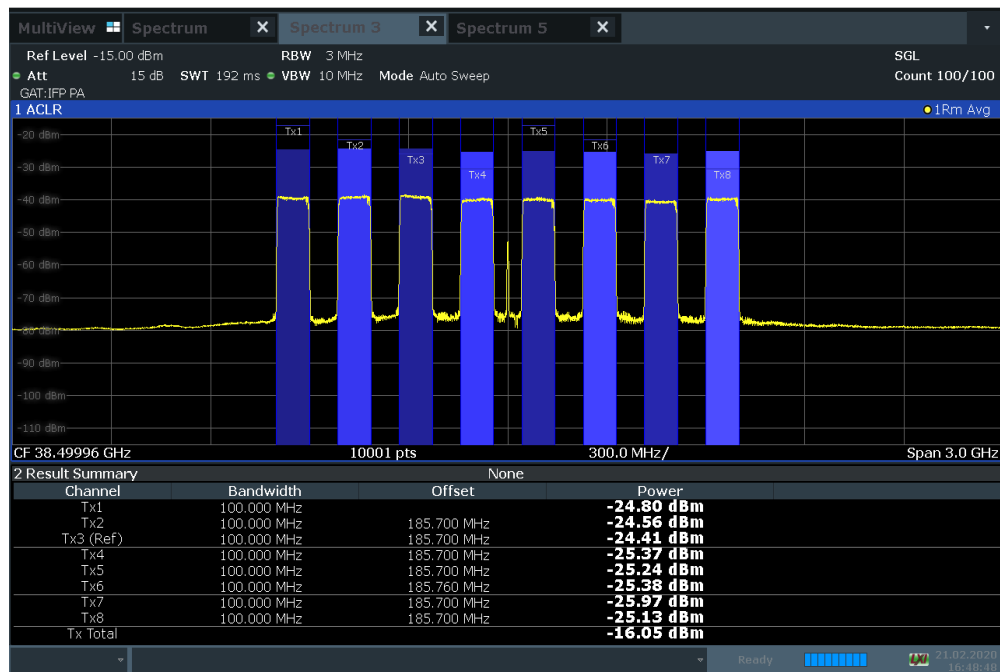
#### ACLRResults



13:00:46 04.03.2020

**Plot 7-93. Antenna A EIRP Density Plot (50MHz BW 8CC NC 64QAM Mid Channel)**

#### ACLRResults

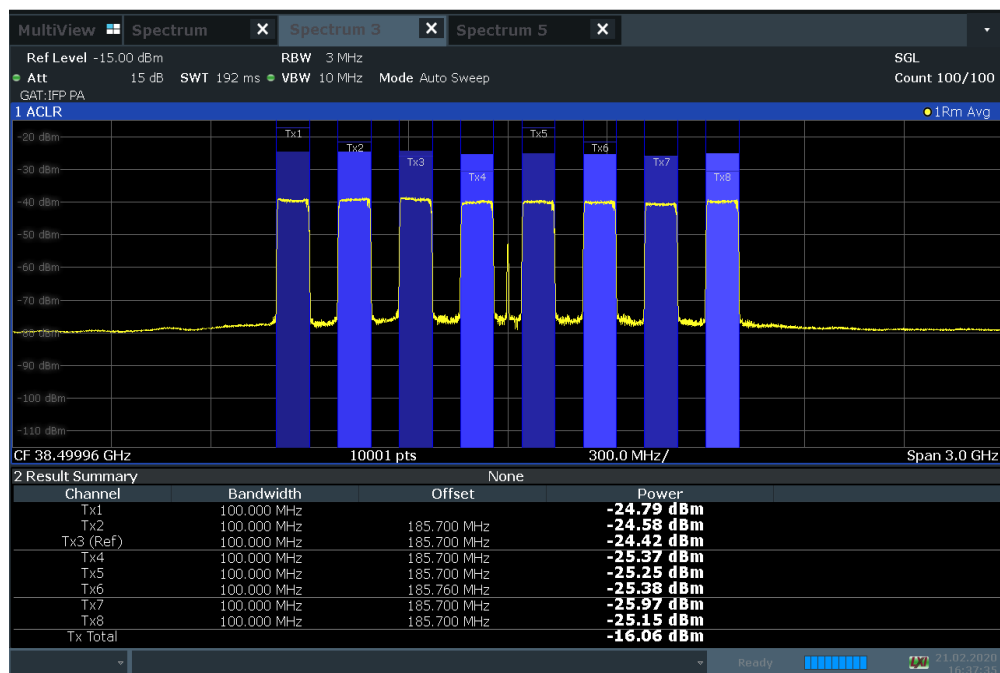


16:48:49 21.02.2020

**Plot 7-94. Antenna A EIRP Density Plot (100MHz BW 8CC NC QPSK Mid Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 72 of 356                  |

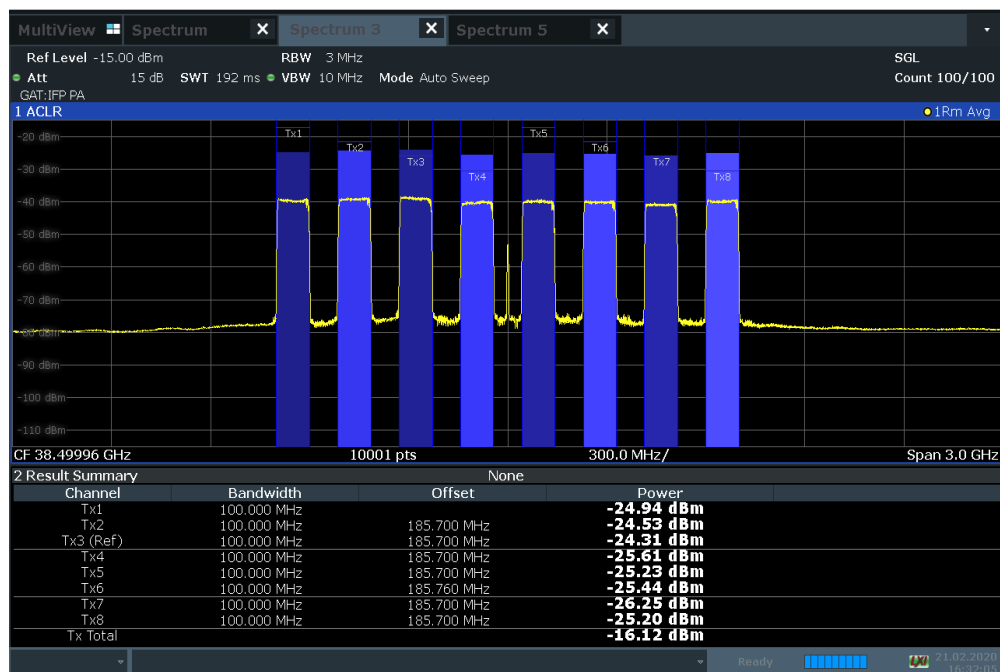
#### ACLRRResults



16:37:35 21.02.2020

Plot 7-95. Antenna A EIRP Density Plot (100MHz BW 8CC NC 16QAM Mid Channel)

#### ACLRRResults

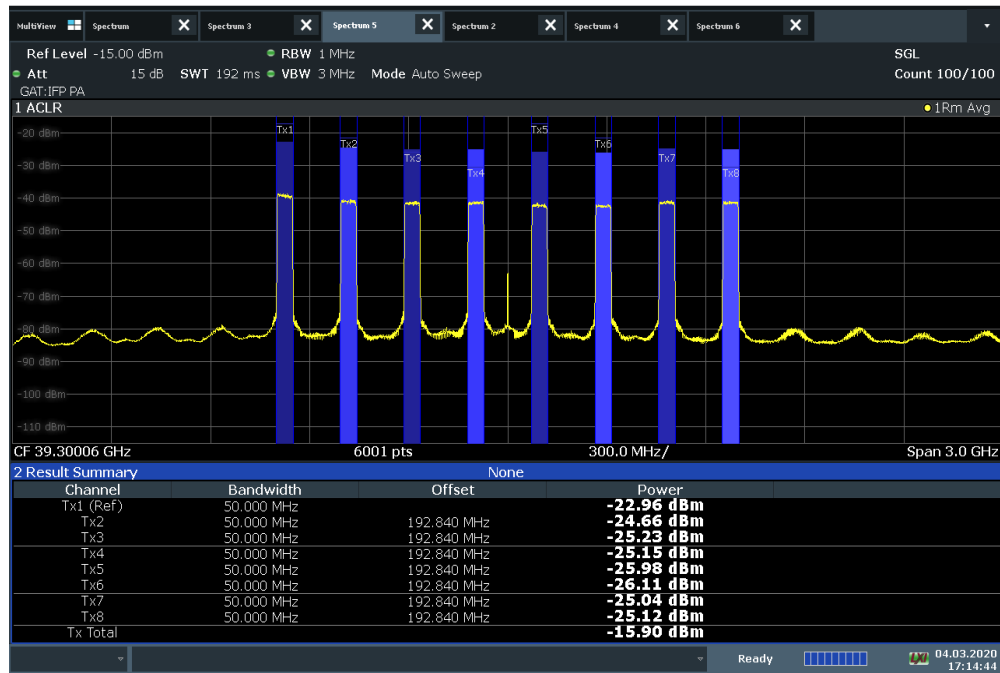


16:32:06 21.02.2020

Plot 7-96. Antenna A EIRP Density Plot (100MHz BW 8CC NC 64QAM Mid Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 73 of 356                  |

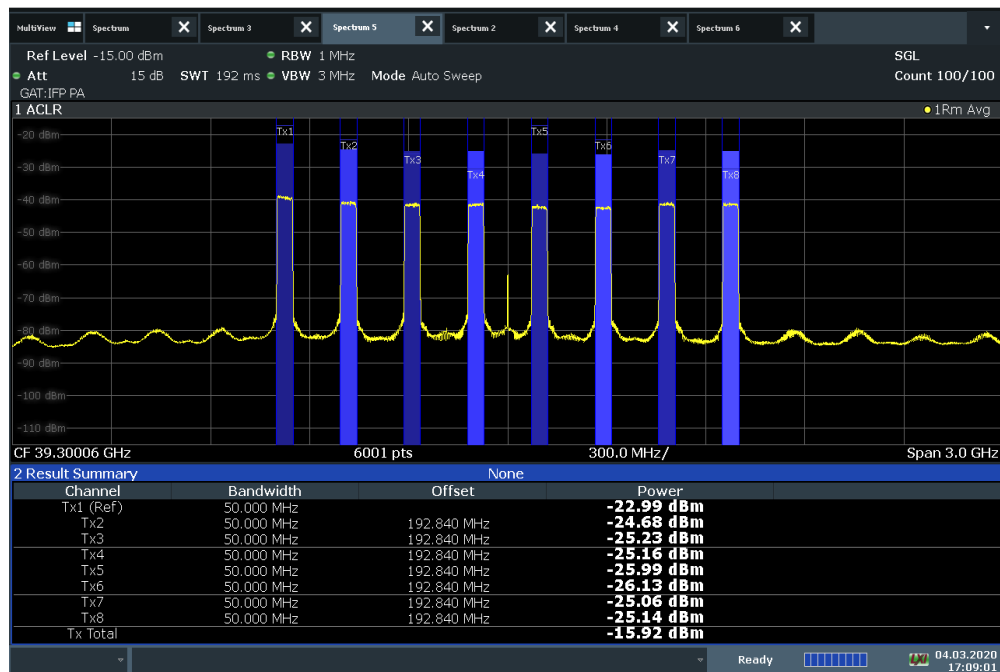
#### ACLRResults



17:14:45 04.03.2020

Plot 7-97. Antenna A EIRP Density Plot (50MHz BW 8CC NC QPSK High Channel)

#### ACLRResults

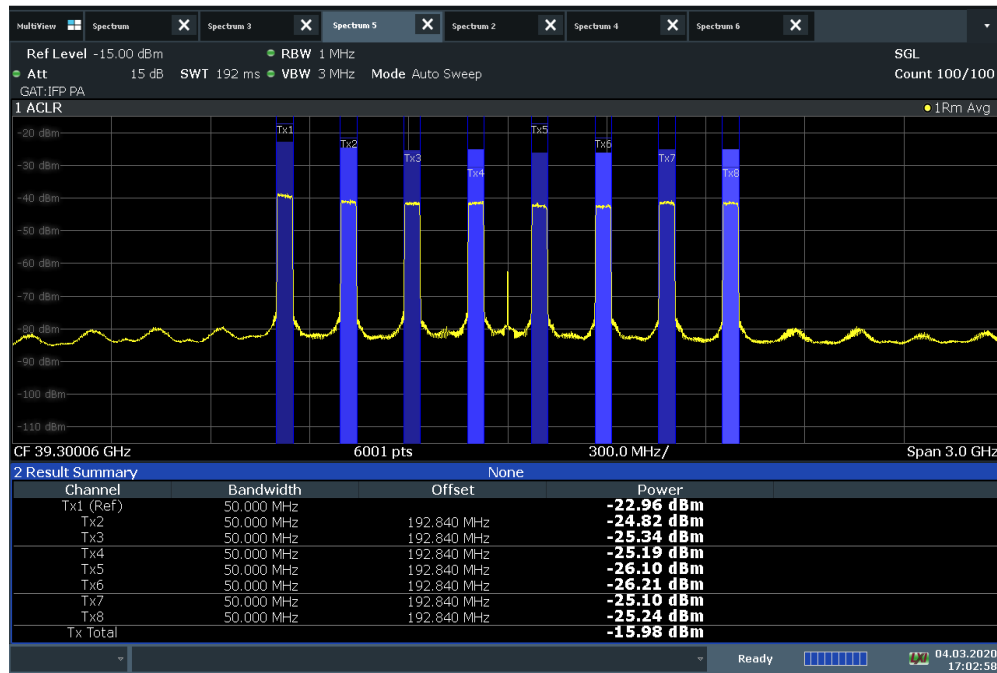


17:09:01 04.03.2020

Plot 7-98. Antenna A EIRP Density Plot (50MHz BW 8CC NC 16QAM High Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 74 of 356                  |

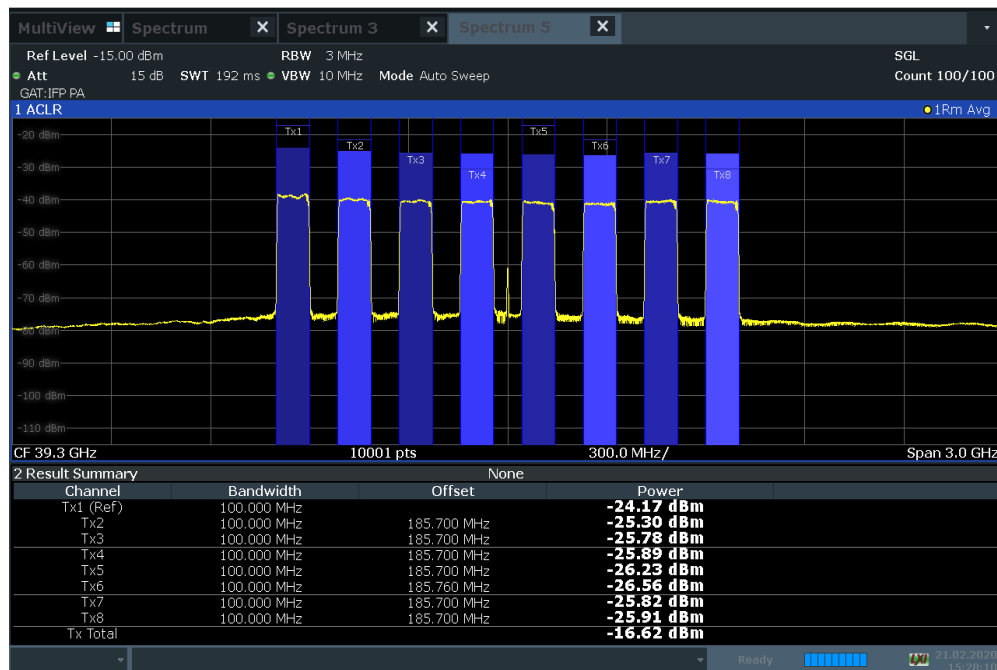
#### ACLRRResults



17:02:58 04.03.2020

Plot 7-99. Antenna A EIRP Density Plot (50MHz BW 8CC NC 64QAM High Channel)

#### ACLRRResults



15:28:10 21.02.2020

Plot 7-100. Antenna A EIRP Density Plot (100MHz BW 8CC NC QPSK High Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 75 of 356                  |

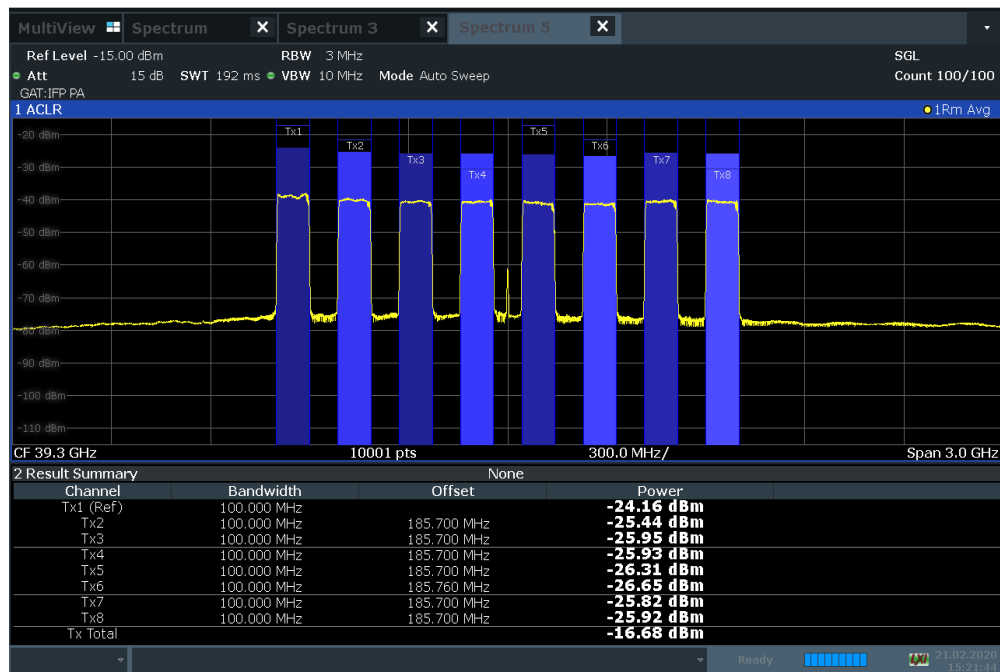
#### ACLRRResults



15:25:08 21.02.2020

**Plot 7-101. Antenna A EIRP Density Plot (100MHz BW 8CC NC 16QAM High Channel)**

#### ACLRRResults



15:21:44 21.02.2020

**Plot 7-102. Antenna A EIRP Density Plot (100MHz BW 8CC NC 64QAM High Channel)**

|                                       |                                              |                                               |                |                                 |
|---------------------------------------|----------------------------------------------|-----------------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit                   |                | Page 76 of 356                  |

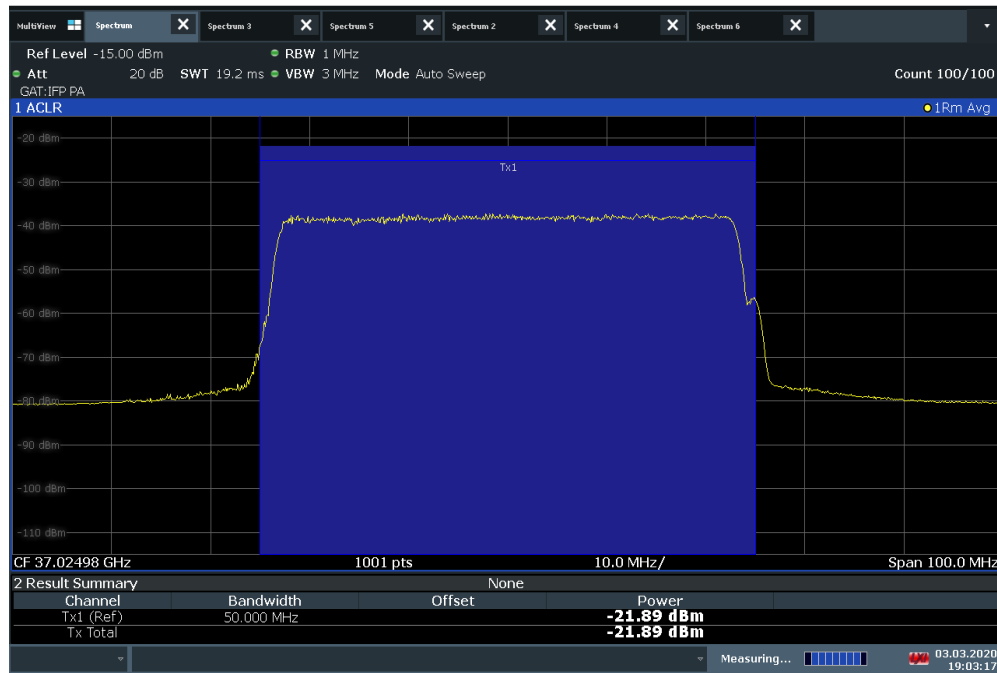
## 7.3.2 Antenna B EIRP Density

| Antenna | Bandwidth | Channel | CCs active | Modulation | Horn Angle | Horn Height | Turntable Azimuth | Analyzer Level | AFCL   | Average e.i.r.p. PSD | PSD Limit    | Margin |
|---------|-----------|---------|------------|------------|------------|-------------|-------------------|----------------|--------|----------------------|--------------|--------|
|         | [MHz]     |         |            |            | [degrees]  | [cm]        | [degrees]         | [dBm]          | [dB/m] | [dBm/100MHz]         | [dBm/100MHz] | [dB]   |
| B       | 50        | Low     | 0          | QPSK       | 45.0       | 141         | 9                 | -21.89         | 57.22  | 48.87                | 75.00        | -29.14 |
|         |           | Low     | 0          | 16QAM      | 45.0       | 141         | 9                 | -21.85         | 57.22  | 48.91                | 75.00        | -29.10 |
|         |           | Low     | 0          | 64QAM      | 45.0       | 141         | 9                 | -21.85         | 57.22  | 48.91                | 75.00        | -29.10 |
|         | 100       | Low     | 0          | QPSK       | 45.0       | 141         | 9                 | -18.30         | 57.22  | 49.45                | 75.00        | -25.55 |
|         |           | Low     | 0          | 16QAM      | 45.0       | 141         | 9                 | -18.30         | 57.22  | 49.45                | 75.00        | -25.55 |
|         |           | Low     | 0          | 64QAM      | 45.0       | 141         | 9                 | -18.31         | 57.22  | 49.44                | 75.00        | -25.56 |
|         | 50        | Mid     | 4          | QPSK       | 45.0       | 141         | 9                 | -21.97         | 57.17  | 48.74                | 75.00        | -29.27 |
|         |           | Mid     | 4          | 16QAM      | 45.0       | 141         | 9                 | -22.01         | 57.17  | 48.70                | 75.00        | -29.31 |
|         |           | Mid     | 4          | 64QAM      | 45.0       | 141         | 9                 | -21.99         | 57.17  | 48.72                | 75.00        | -29.29 |
|         | 100       | Mid     | 4          | QPSK       | 45.0       | 141         | 9                 | -19.04         | 57.17  | 48.66                | 75.00        | -26.34 |
|         |           | Mid     | 4          | 16QAM      | 45.0       | 141         | 9                 | -19.08         | 57.17  | 48.62                | 75.00        | -26.38 |
|         |           | Mid     | 4          | 64QAM      | 45.0       | 141         | 9                 | -19.10         | 57.17  | 48.60                | 75.00        | -26.40 |
|         | 50        | High    | 7          | QPSK       | 45.0       | 141         | 9                 | -22.19         | 58.95  | 50.30                | 75.00        | -27.71 |
|         |           | High    | 7          | 16QAM      | 45.0       | 141         | 9                 | -22.21         | 58.95  | 50.28                | 75.00        | -27.73 |
|         |           | High    | 7          | 64QAM      | 45.0       | 141         | 9                 | -22.20         | 58.95  | 50.29                | 75.00        | -27.72 |
|         | 100       | High    | 7          | QPSK       | 45.0       | 141         | 9                 | -19.38         | 58.95  | 50.10                | 75.00        | -24.90 |
|         |           | High    | 7          | 16QAM      | 45.0       | 141         | 9                 | -19.24         | 58.95  | 50.24                | 75.00        | -24.76 |
|         |           | High    | 7          | 64QAM      | 45.0       | 141         | 9                 | -19.22         | 58.95  | 50.26                | 75.00        | -24.74 |
|         | 50        | Low     | 0-7        | QPSK       | 45.0       | 141         | 9                 | -24.04         | 57.22  | 46.72                | 75.00        | -31.29 |
|         |           | Low     | 0-7        | 16QAM      | 45.0       | 141         | 9                 | -24.07         | 57.22  | 46.69                | 75.00        | -31.32 |
|         |           | Low     | 0-7        | 64QAM      | 45.0       | 141         | 9                 | -24.14         | 57.22  | 46.62                | 75.00        | -31.39 |
|         | 100       | Low     | 0-7        | QPSK       | 45.0       | 141         | 9                 | -24.37         | 57.22  | 43.38                | 75.00        | -31.62 |
|         |           | Low     | 0-7        | 16QAM      | 45.0       | 141         | 9                 | -24.03         | 57.22  | 43.72                | 75.00        | -31.28 |
|         |           | Low     | 0-7        | 64QAM      | 45.0       | 141         | 9                 | -23.99         | 57.22  | 43.76                | 75.00        | -31.24 |
|         | 50        | Mid     | 0-7        | QPSK       | 45.0       | 141         | 9                 | -23.46         | 57.17  | 47.25                | 75.00        | -30.76 |
|         |           | Mid     | 0-7        | 16QAM      | 45.0       | 141         | 9                 | -23.46         | 57.17  | 47.25                | 75.00        | -30.76 |
|         |           | Mid     | 0-7        | 64QAM      | 45.0       | 141         | 9                 | -23.48         | 57.17  | 47.23                | 75.00        | -30.78 |
|         | 100       | Mid     | 0-7        | QPSK       | 45.0       | 141         | 9                 | -23.52         | 57.17  | 44.18                | 75.00        | -30.82 |
|         |           | Mid     | 0-7        | 16QAM      | 45.0       | 141         | 9                 | -23.61         | 57.17  | 44.09                | 75.00        | -30.91 |
|         |           | Mid     | 0-7        | 64QAM      | 45.0       | 141         | 9                 | -23.27         | 57.17  | 44.43                | 75.00        | -30.57 |
|         | 50        | High    | 0-7        | QPSK       | 45.0       | 141         | 9                 | -24.14         | 58.95  | 48.35                | 75.00        | -29.66 |
|         |           | High    | 0-7        | 16QAM      | 45.0       | 141         | 9                 | -24.25         | 58.95  | 48.24                | 75.00        | -29.77 |
|         |           | High    | 0-7        | 64QAM      | 45.0       | 141         | 9                 | -24.27         | 58.95  | 48.22                | 75.00        | -29.79 |
|         | 100       | High    | 0-7        | QPSK       | 45.0       | 141         | 9                 | -23.84         | 58.95  | 45.64                | 75.00        | -29.36 |
|         |           | High    | 0-7        | 16QAM      | 45.0       | 141         | 9                 | -24.03         | 58.95  | 45.45                | 75.00        | -29.55 |
|         |           | High    | 0-7        | 64QAM      | 45.0       | 141         | 9                 | -23.88         | 58.95  | 45.60                | 75.00        | -29.40 |
|         | 50        | Low     | 0-7(NC)    | QPSK       | 45.0       | 141         | 9                 | -23.09         | 57.22  | 47.67                | 75.00        | -30.34 |
|         |           | Low     | 0-7(NC)    | 16QAM      | 45.0       | 141         | 9                 | -23.26         | 57.22  | 47.50                | 75.00        | -30.51 |
|         |           | Low     | 0-7(NC)    | 64QAM      | 45.0       | 141         | 9                 | -23.29         | 57.22  | 47.47                | 75.00        | -30.54 |
|         | 100       | Low     | 0-7(NC)    | QPSK       | 45.0       | 141         | 9                 | -22.78         | 57.22  | 44.97                | 75.00        | -30.03 |
|         |           | Low     | 0-7(NC)    | 16QAM      | 45.0       | 141         | 9                 | -22.81         | 57.22  | 44.94                | 75.00        | -30.06 |
|         |           | Low     | 0-7(NC)    | 64QAM      | 45.0       | 141         | 9                 | -22.80         | 57.22  | 44.95                | 75.00        | -30.05 |
|         | 50        | Mid     | 0-7(NC)    | QPSK       | 45.0       | 141         | 9                 | -23.72         | 57.17  | 46.99                | 75.00        | -31.02 |
|         |           | Mid     | 0-7(NC)    | 16QAM      | 45.0       | 141         | 9                 | -23.70         | 57.17  | 47.01                | 75.00        | -31.00 |
|         |           | Mid     | 0-7(NC)    | 64QAM      | 45.0       | 141         | 9                 | -23.71         | 57.17  | 47.00                | 75.00        | -31.01 |
|         | 100       | Mid     | 0-7(NC)    | QPSK       | 45.0       | 141         | 9                 | -23.46         | 57.17  | 44.24                | 75.00        | -30.76 |
|         |           | Mid     | 0-7(NC)    | 16QAM      | 45.0       | 141         | 9                 | -23.48         | 57.17  | 44.22                | 75.00        | -30.78 |
|         |           | Mid     | 0-7(NC)    | 64QAM      | 45.0       | 141         | 9                 | -23.53         | 57.17  | 44.17                | 75.00        | -30.83 |
|         | 50        | High    | 0-7(NC)    | QPSK       | 45.0       | 141         | 9                 | -23.14         | 58.95  | 49.35                | 75.00        | -28.66 |
|         |           | High    | 0-7(NC)    | 16QAM      | 45.0       | 141         | 9                 | -23.11         | 58.95  | 49.38                | 75.00        | -28.63 |
|         |           | High    | 0-7(NC)    | 64QAM      | 45.0       | 141         | 9                 | -23.13         | 58.95  | 49.36                | 75.00        | -28.65 |
|         | 100       | High    | 0-7(NC)    | QPSK       | 45.0       | 141         | 9                 | -22.92         | 58.95  | 46.56                | 75.00        | -28.44 |
|         |           | High    | 0-7(NC)    | 16QAM      | 45.0       | 141         | 9                 | -22.99         | 58.95  | 46.49                | 75.00        | -28.51 |
|         |           | High    | 0-7(NC)    | 64QAM      | 45.0       | 141         | 9                 | -23.00         | 58.95  | 46.48                | 75.00        | -28.52 |

Table 7-8. Antenna B Power Density Summary Data

|                                       |                                                                                                                                        |                                       |                                                                                       |                                 |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 |  PCTEST <sup>®</sup><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020                                                                                                   | EUT Type:<br>5G Access Unit           |                                                                                       | Page 77 of 356                  |

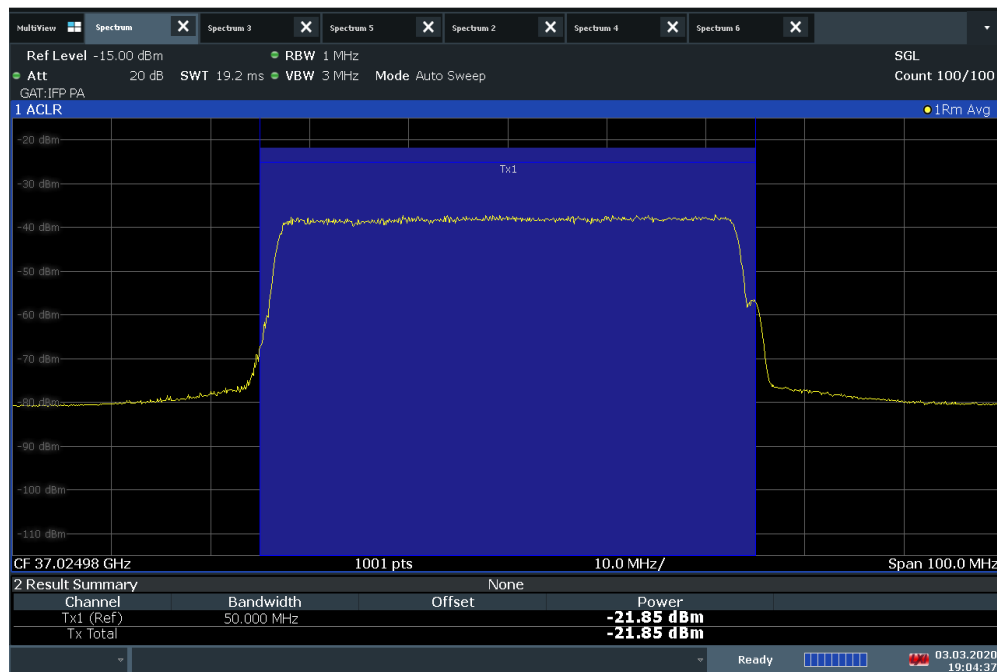
**ACLRResults**



19:03:18 03.03.2020

**Plot 7-103. Antenna B EIRP Density Plot (50MHz BW 1CC QPSK Low Channel)**

**ACLRResults**

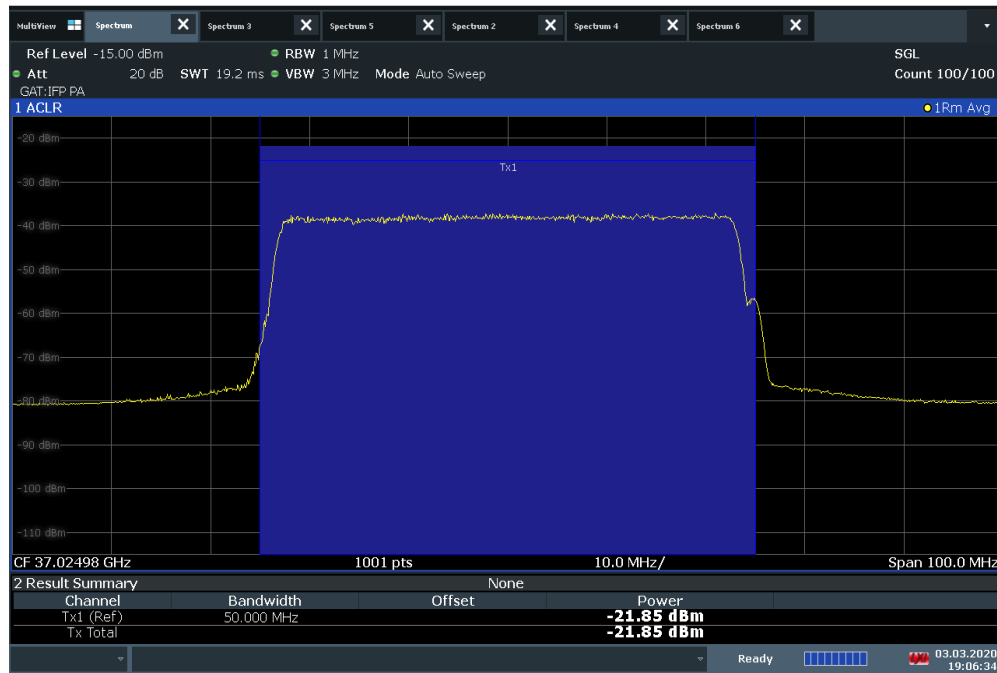


19:04:37 03.03.2020

**Plot 7-104. Antenna B EIRP Density Plot (50MHz BW 1CC 16QAM Low Channel)**

|                                       |                                                     |                                               |                |                                 |
|---------------------------------------|-----------------------------------------------------|-----------------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of <b>element</b> | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020                | EUT Type:<br>5G Access Unit                   |                | Page 78 of 356                  |

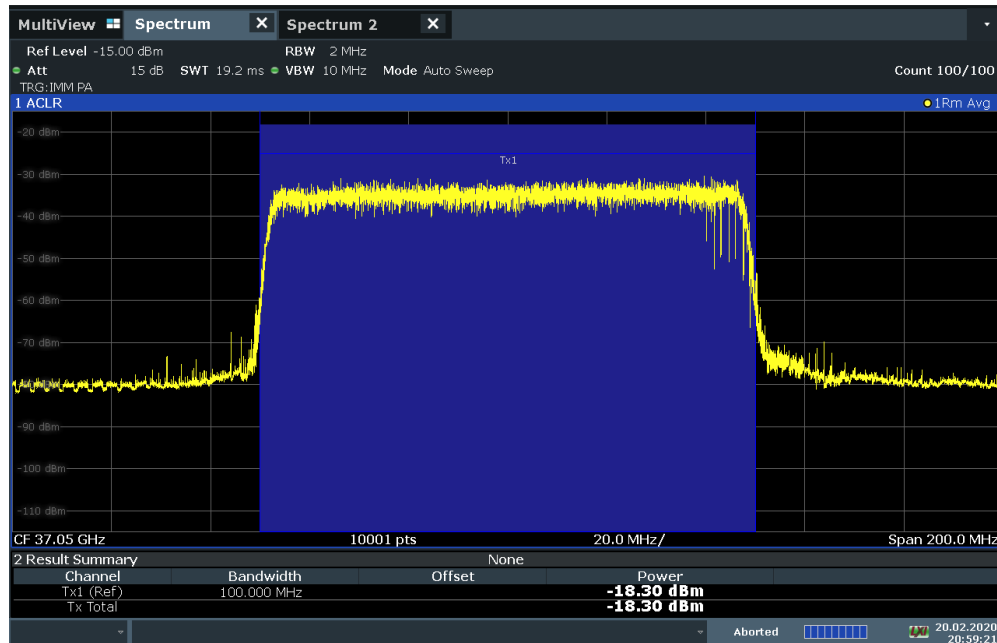
#### ACLRResults



19:06:34 03.03.2020

**Plot 7-105. Antenna B EIRP Density Plot (50MHz BW 1CC 64QAM Low Channel)**

#### ACLRResults

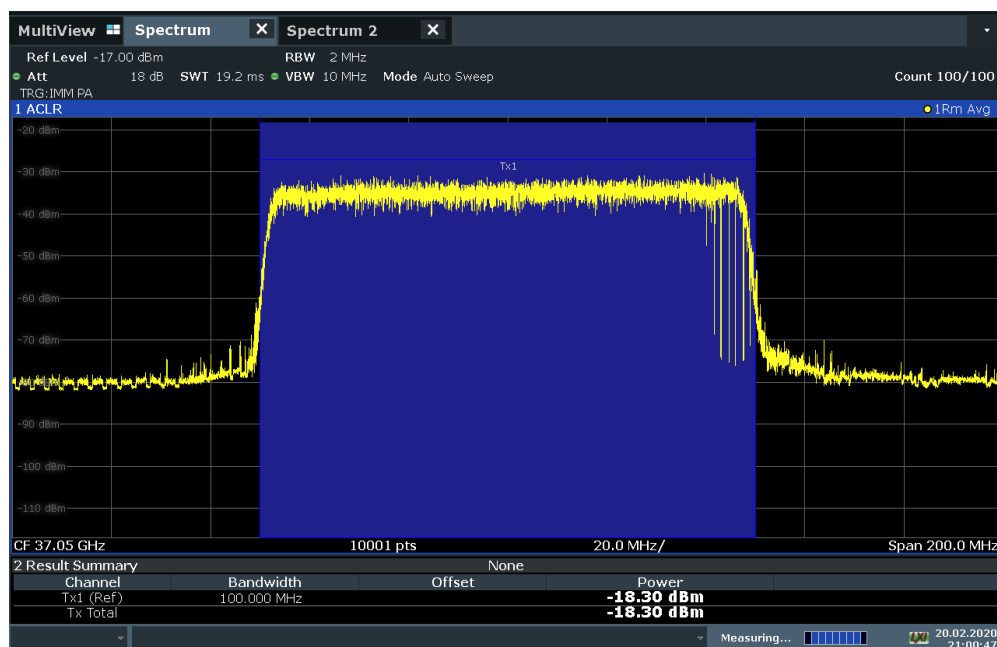


20:59:21 20.02.2020

**Plot 7-106. Antenna B EIRP Density Plot (100MHz BW 1CC QPSK Low Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 79 of 356                  |

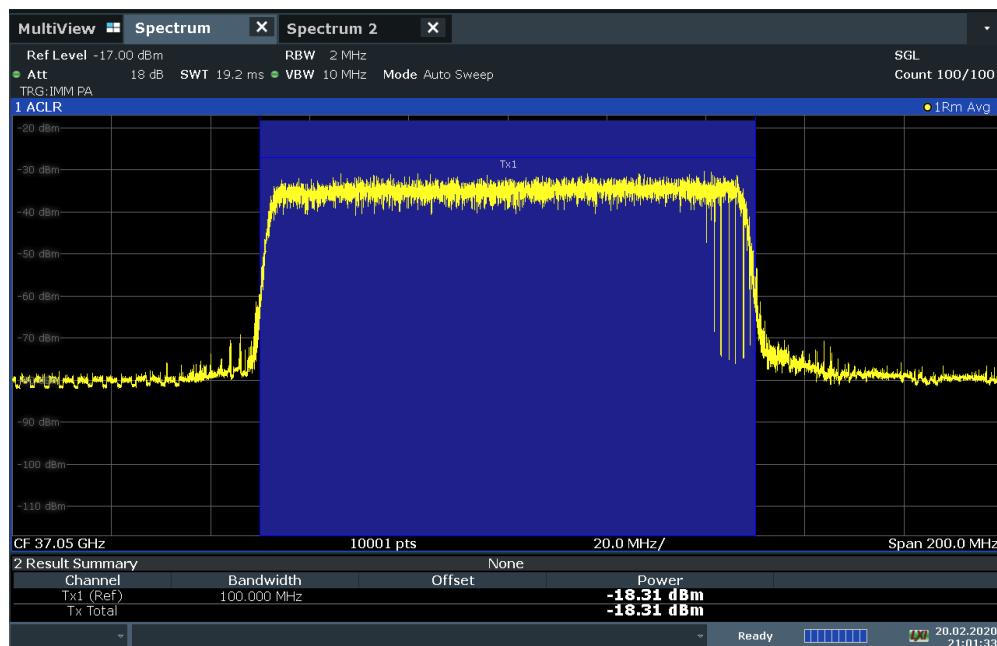
#### ACLRRResults



21:00:47 20.02.2020

Plot 7-107. Antenna B EIRP Density Plot (100MHz BW 1CC 16QAM Low Channel)

#### ACLRRResults

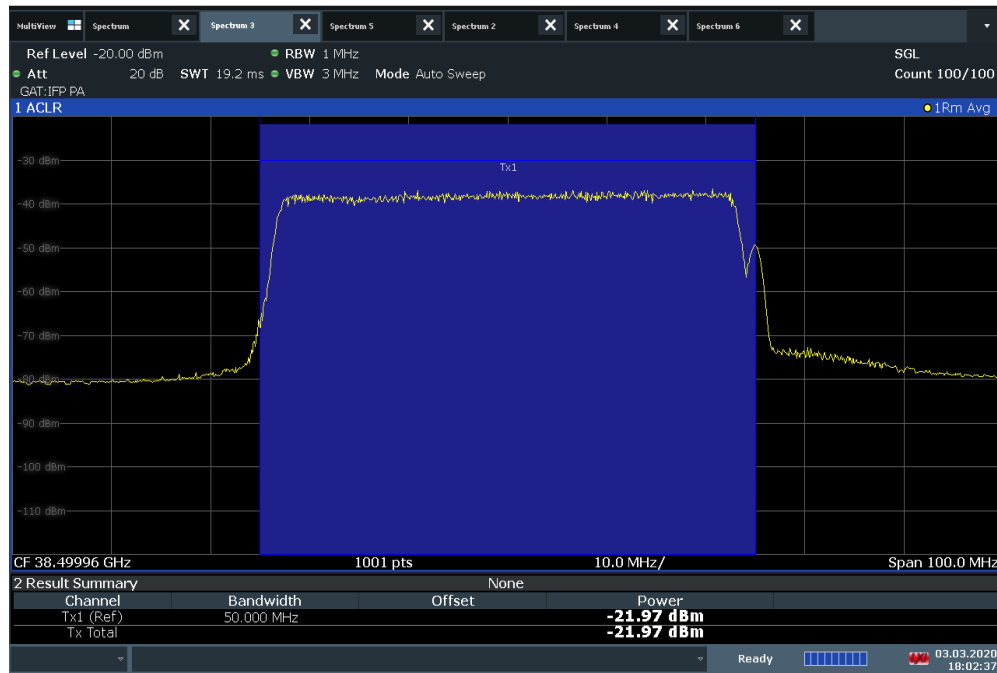


21:01:33 20.02.2020

Plot 7-108. Antenna B EIRP Density Plot (100MHz BW 1CC 64QAM Low Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 80 of 356                  |

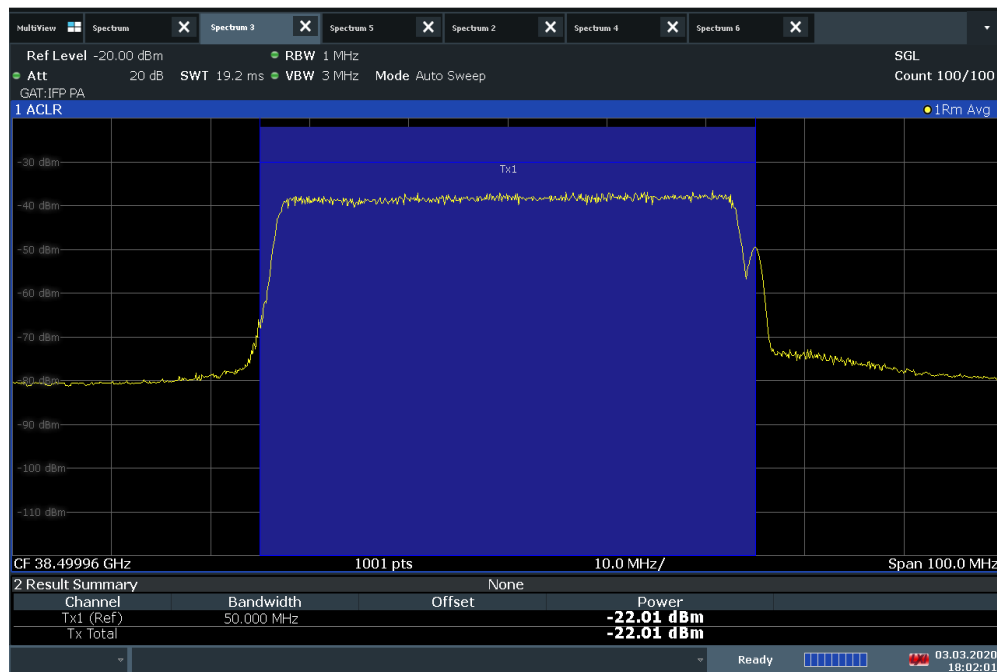
#### ACLRRResults



18:02:38 03.03.2020

**Plot 7-109. Antenna B EIRP Density Plot (50MHz BW 1CC QPSK Mid Channel)**

#### ACLRRResults

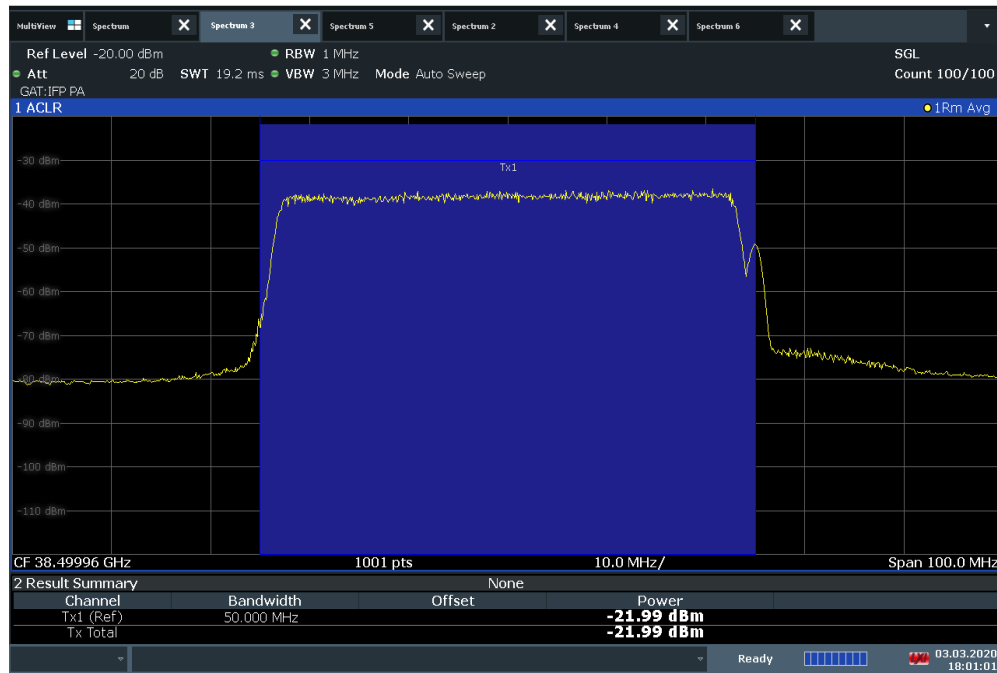


18:02:01 03.03.2020

**Plot 7-110. Antenna B EIRP Density Plot (50MHz BW 1CC 16QAM Mid Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 81 of 356                  |

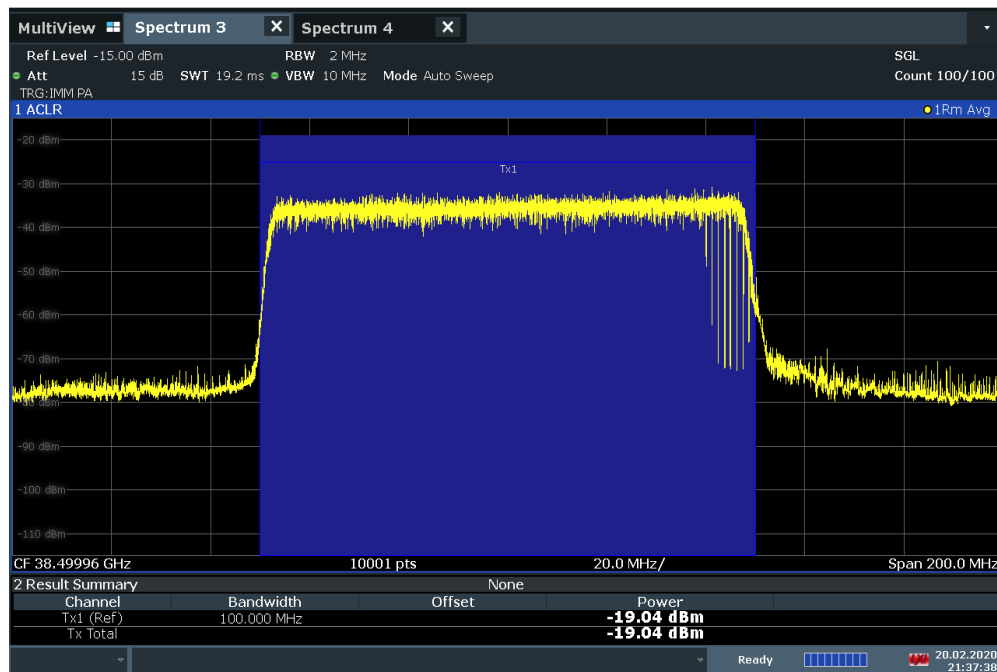
#### ACLRResults



18:01:01 03.03.2020

**Plot 7-111. Antenna B EIRP Density Plot (50MHz BW 1CC 64QAM Mid Channel)**

#### ACLRResults

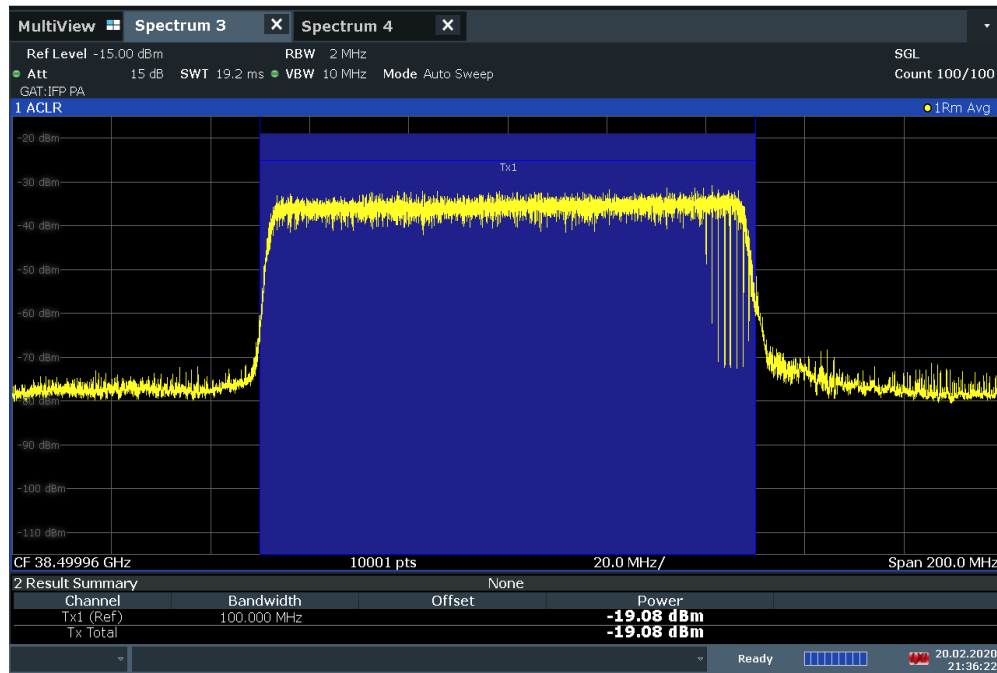


21:37:38 20.02.2020

**Plot 7-112. Antenna B EIRP Density Plot (100MHz BW 1CC QPSK Mid Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 82 of 356                  |

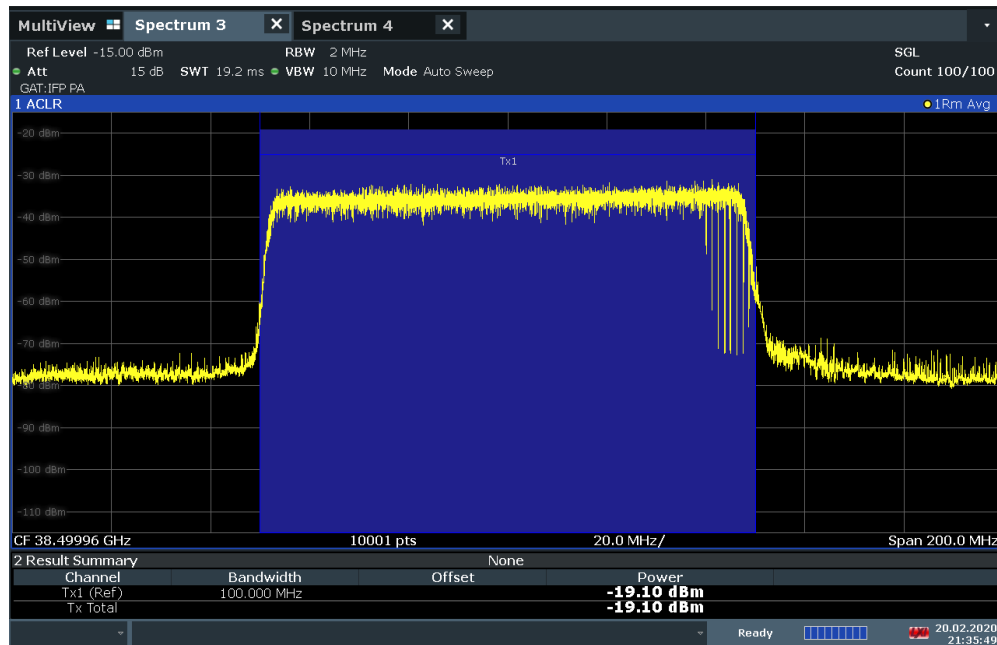
ACLRRResults



21:36:23 20.02.2020

Plot 7-113. Antenna B EIRP Density Plot (100MHz BW 1CC 16QAM Mid Channel)

ACLRRResults

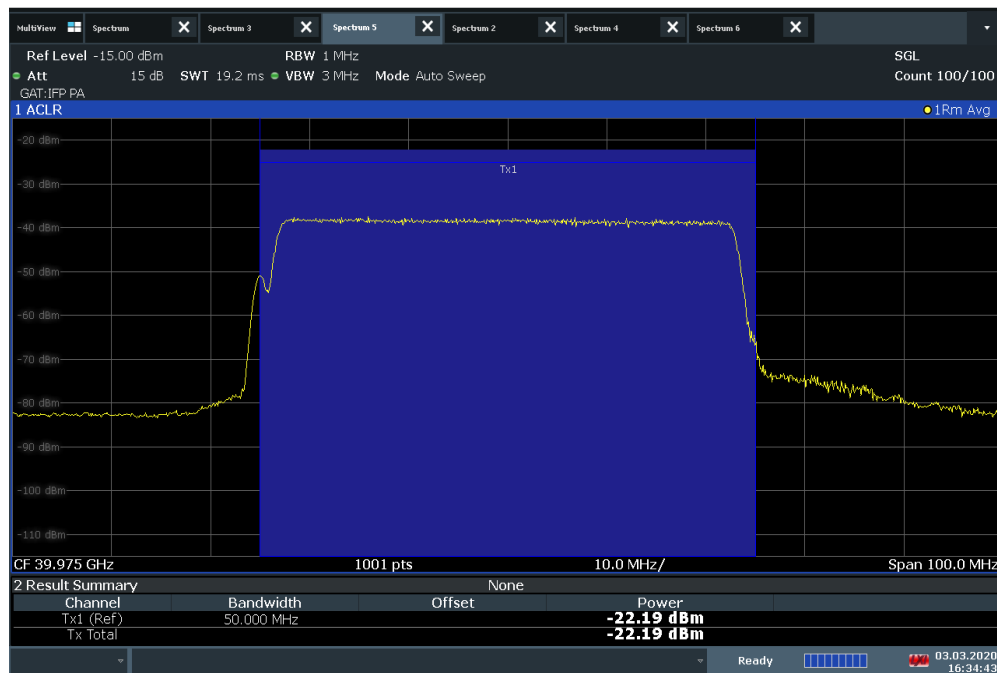


21:35:50 20.02.2020

Plot 7-114. Antenna B EIRP Density Plot (100MHz BW 1CC 64QAM Mid Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 83 of 356                  |

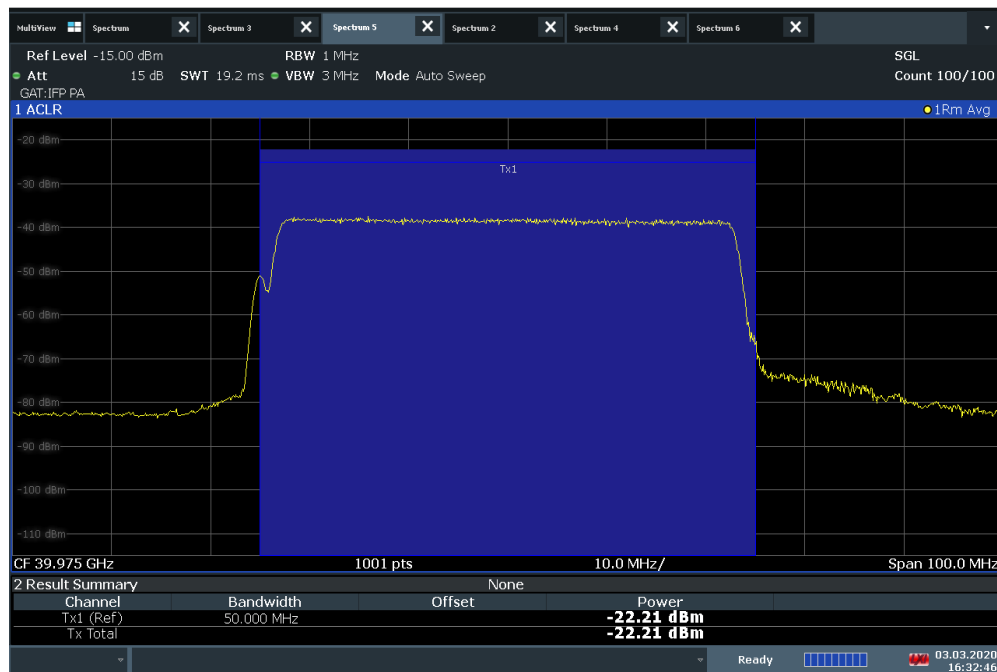
#### ACLRResults



16:34:44 03.03.2020

**Plot 7-115. Antenna B EIRP Density Plot (50MHz BW 1CC QPSK High Channel)**

#### ACLRResults

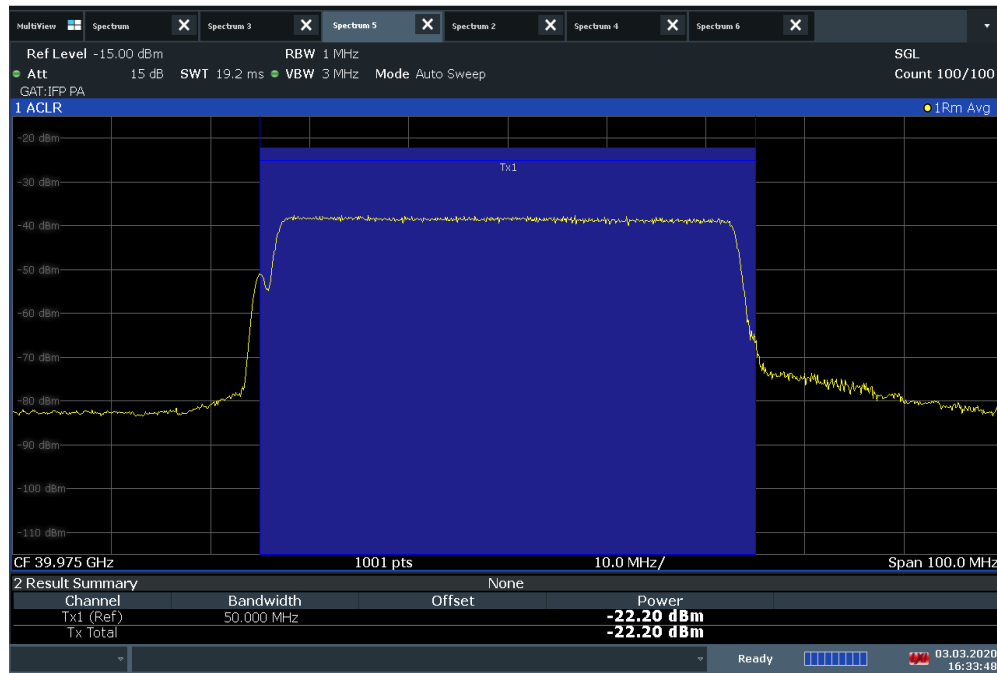


16:32:46 03.03.2020

**Plot 7-116. Antenna B EIRP Density Plot (50MHz BW 1CC 16QAM High Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 84 of 356                  |

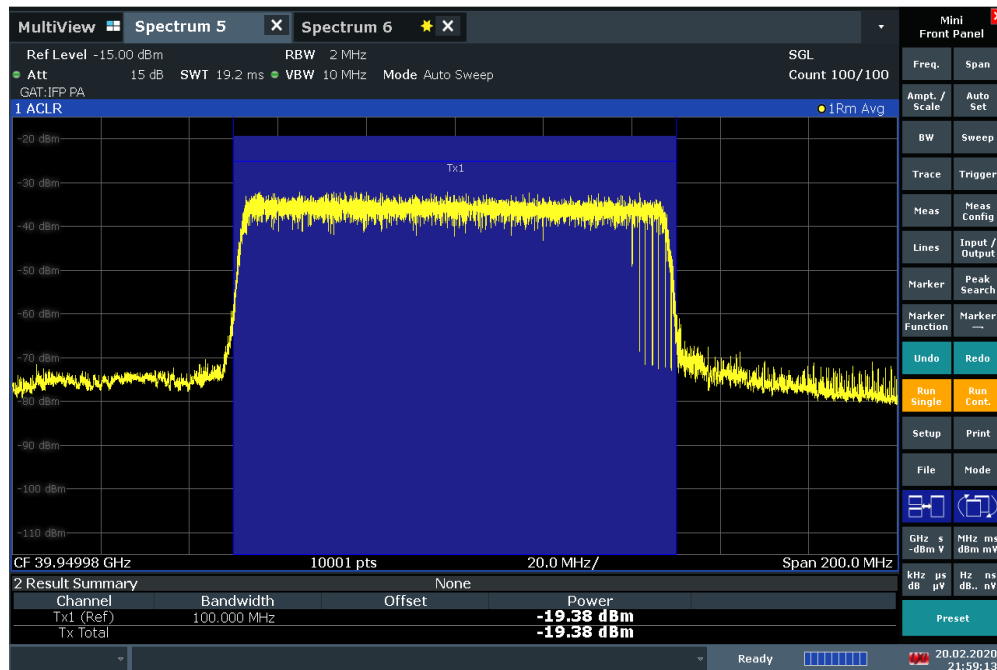
#### ACLRResults



16:33:48 03.03.2020

Plot 7-117. Antenna B EIRP Density Plot (50MHz BW 1CC 64QAM High Channel)

#### ACLRResults

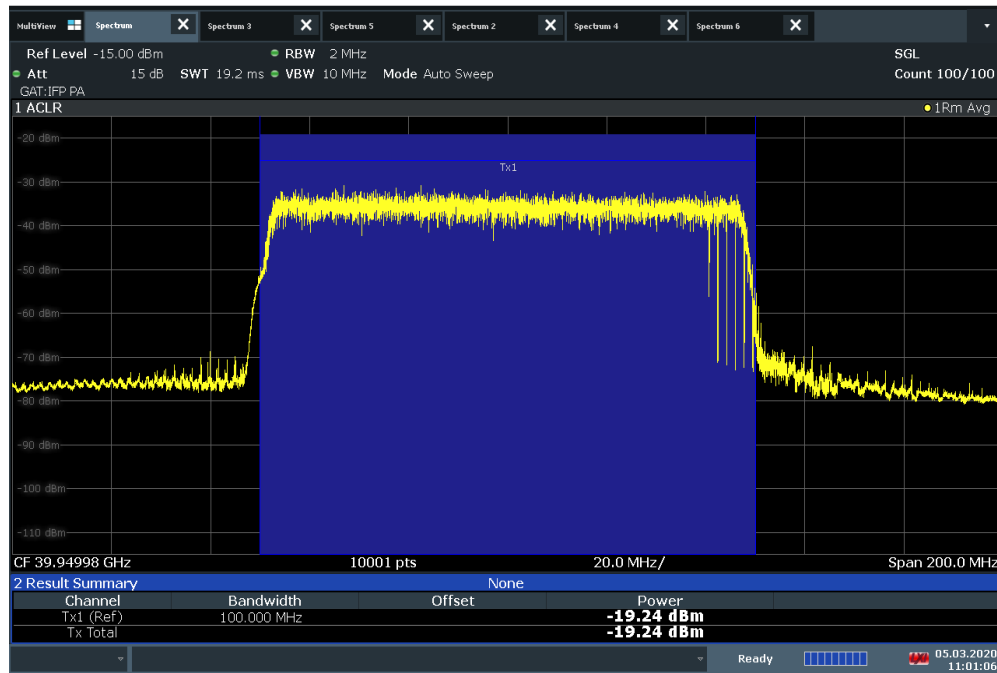


21:59:14 20.02.2020

Plot 7-118. Antenna B EIRP Density Plot (100MHz BW 1CC QPSK High Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 85 of 356                  |

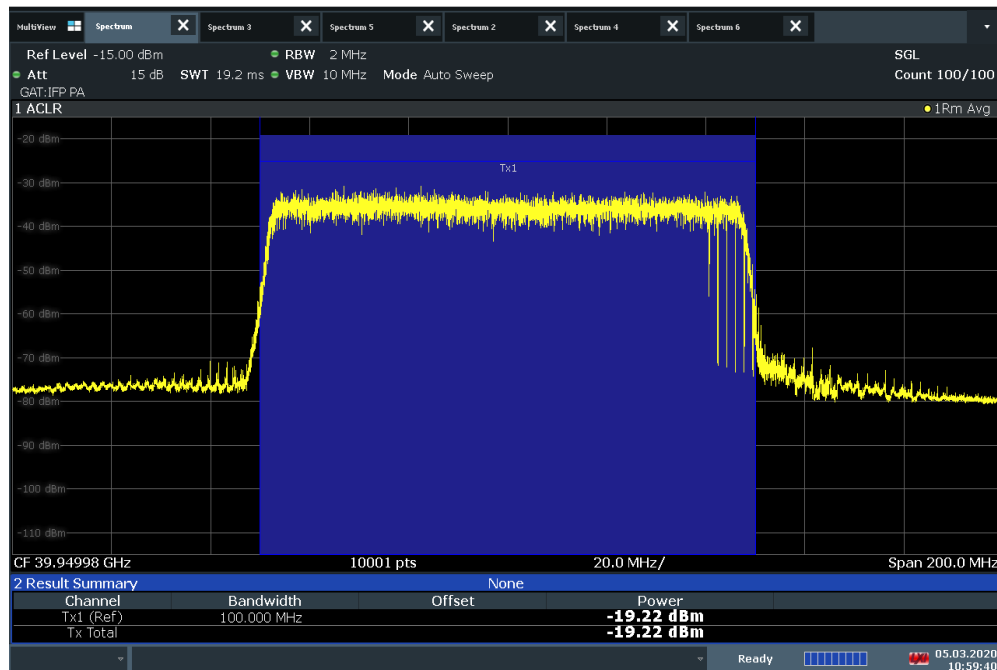
#### ACLRResults



11:01:06 05.03.2020

**Plot 7-119. Antenna B EIRP Density Plot (100MHz BW 1CC 16QAM High Channel)**

#### ACLRResults

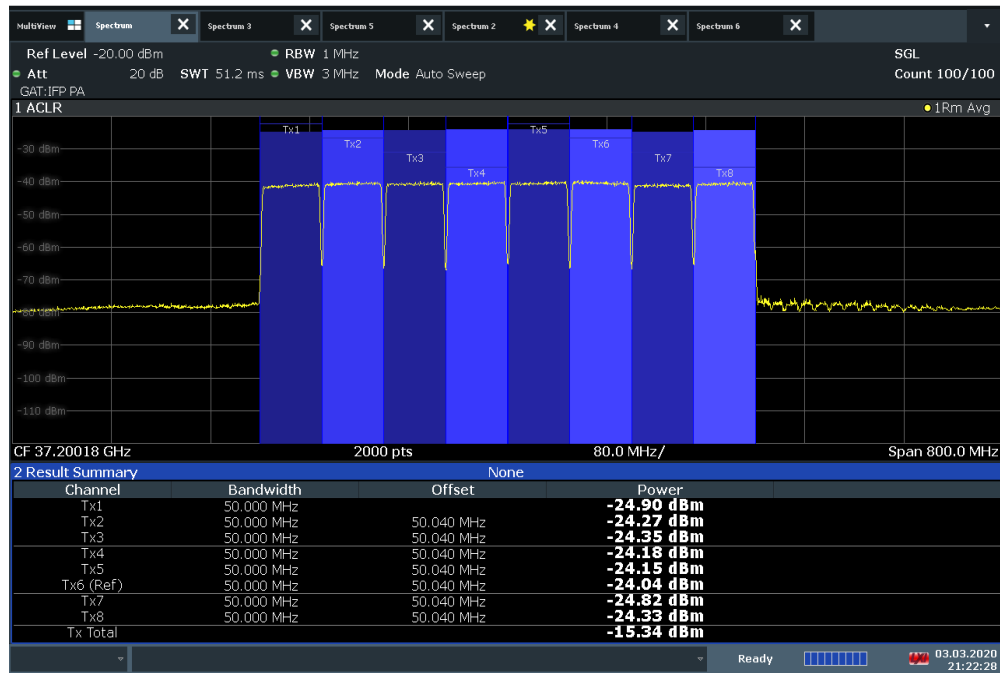


10:59:41 05.03.2020

**Plot 7-120. Antenna B EIRP Density Plot (100MHz BW 1CC 64QAM High Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 86 of 356                  |

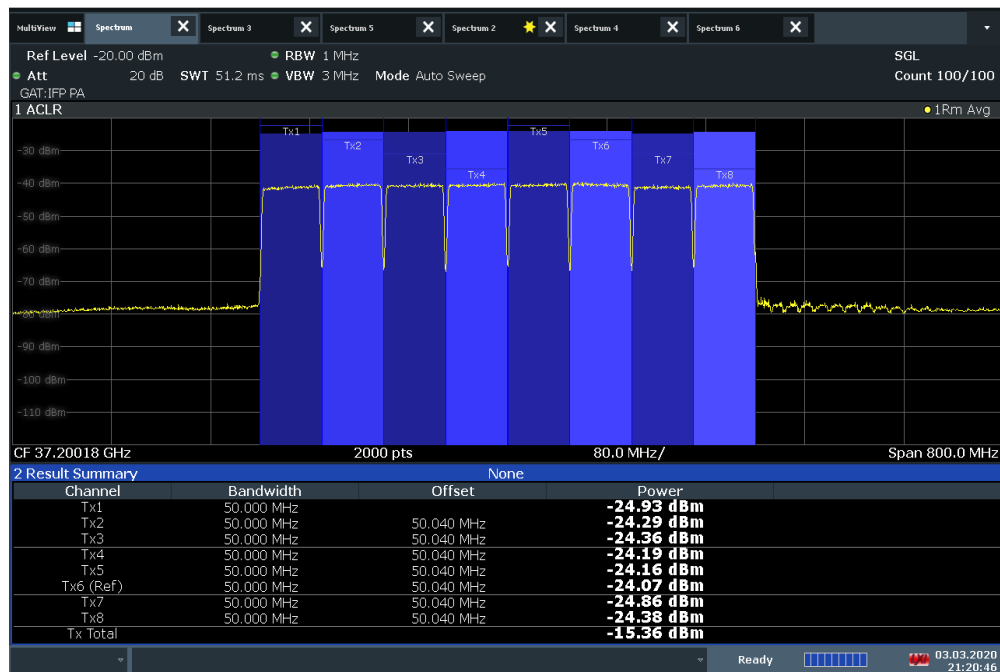
#### ACLRResults



21:22:28 03.03.2020

**Plot 7-121. Antenna B EIRP Density Plot (50MHz BW 8CC QPSK Low Channel)**

#### ACLRResults

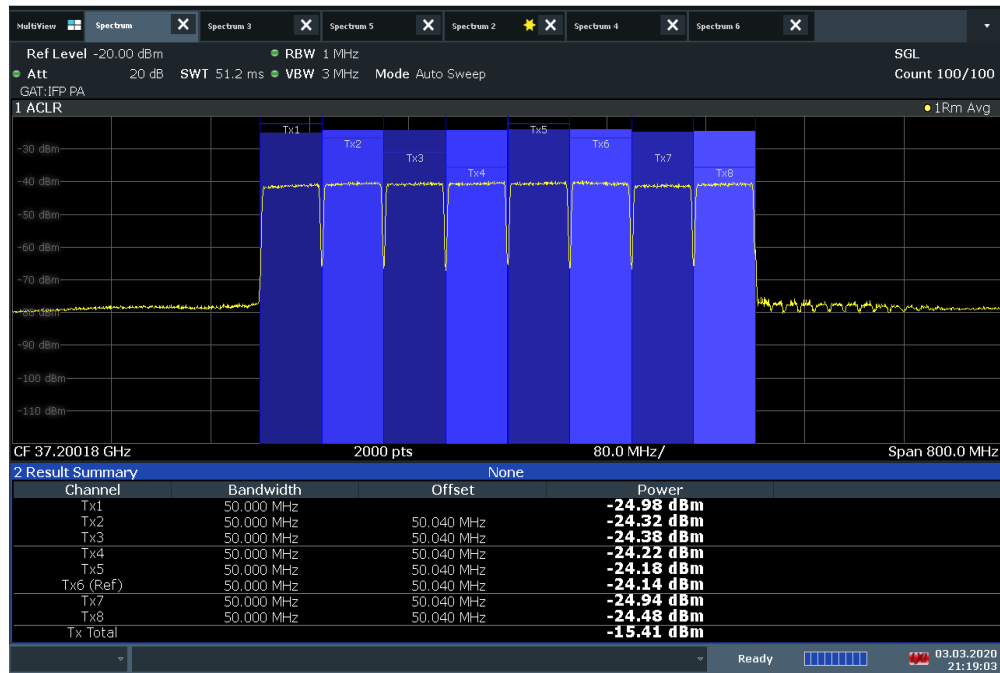


21:20:47 03.03.2020

**Plot 7-122. Antenna B EIRP Density Plot (50MHz BW 8CC 16QAM Low Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 87 of 356                  |

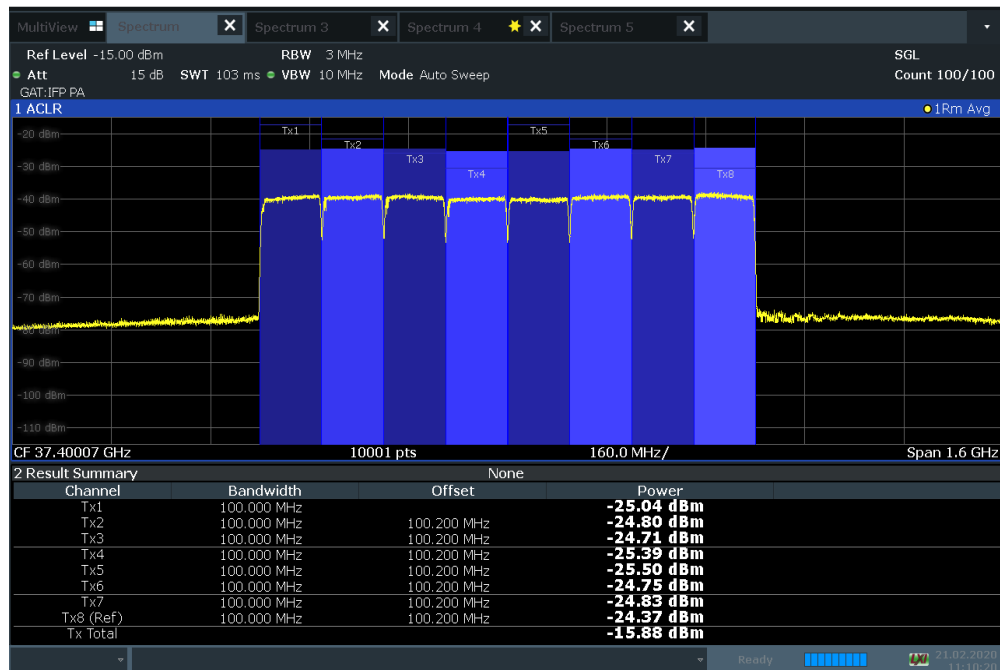
#### ACLRResults



21:19:03 03.03.2020

**Plot 7-123. Antenna B EIRP Density Plot (50MHz BW 8CC 64QAM Low Channel)**

#### ACLRResults

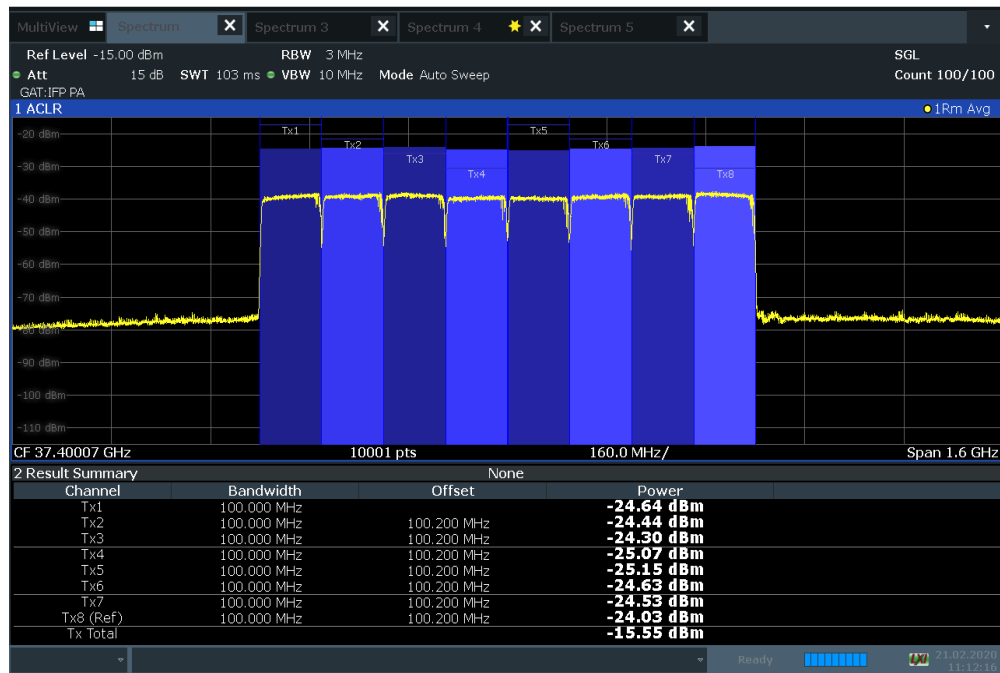


11:10:21 21.02.2020

**Plot 7-124. Antenna B EIRP Density Plot (100MHz BW 8CC QPSK Low Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 88 of 356                  |

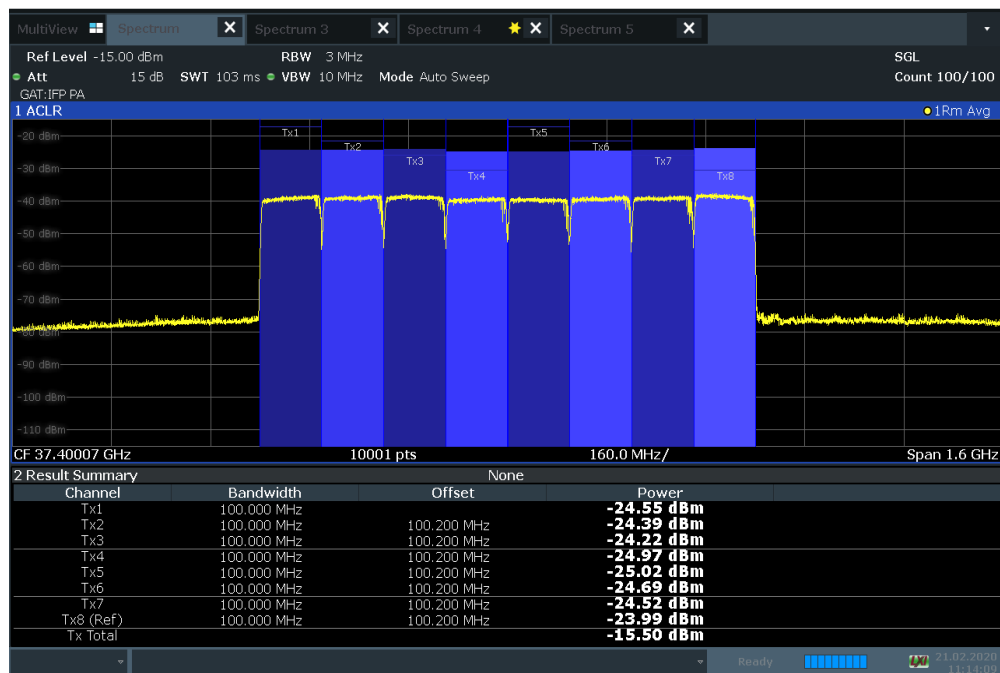
#### ACLRRResults



11:12:17 21.02.2020

Plot 7-125. Antenna B EIRP Density Plot (100MHz BW 8CC 16QAM Low Channel)

#### ACLRRResults

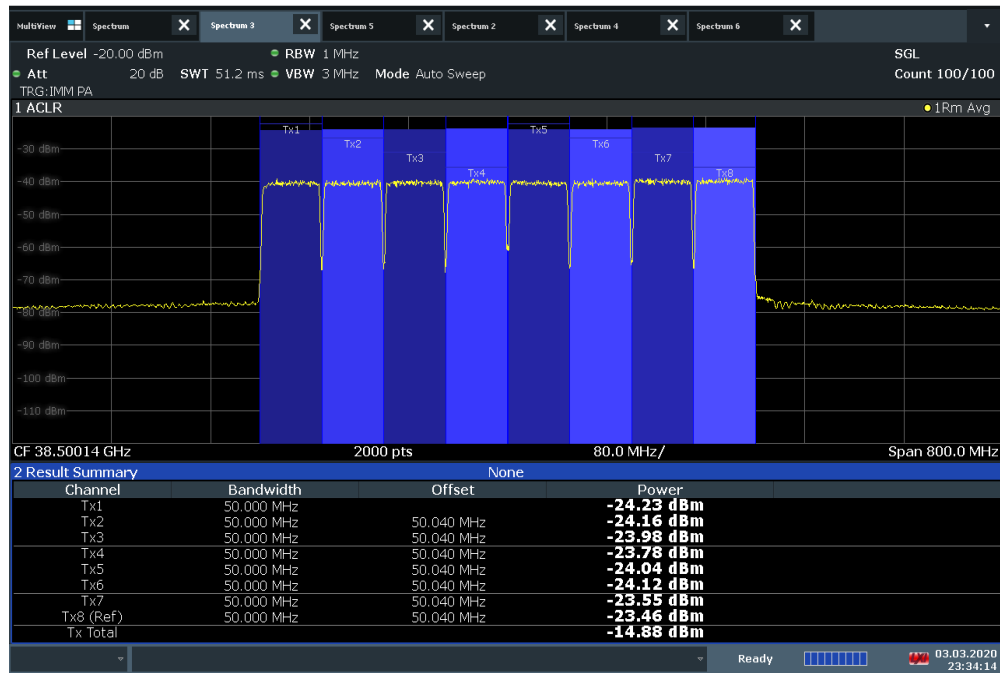


11:14:10 21.02.2020

Plot 7-126. Antenna B EIRP Density Plot (100MHz BW 8CC 64QAM Low Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 89 of 356                  |

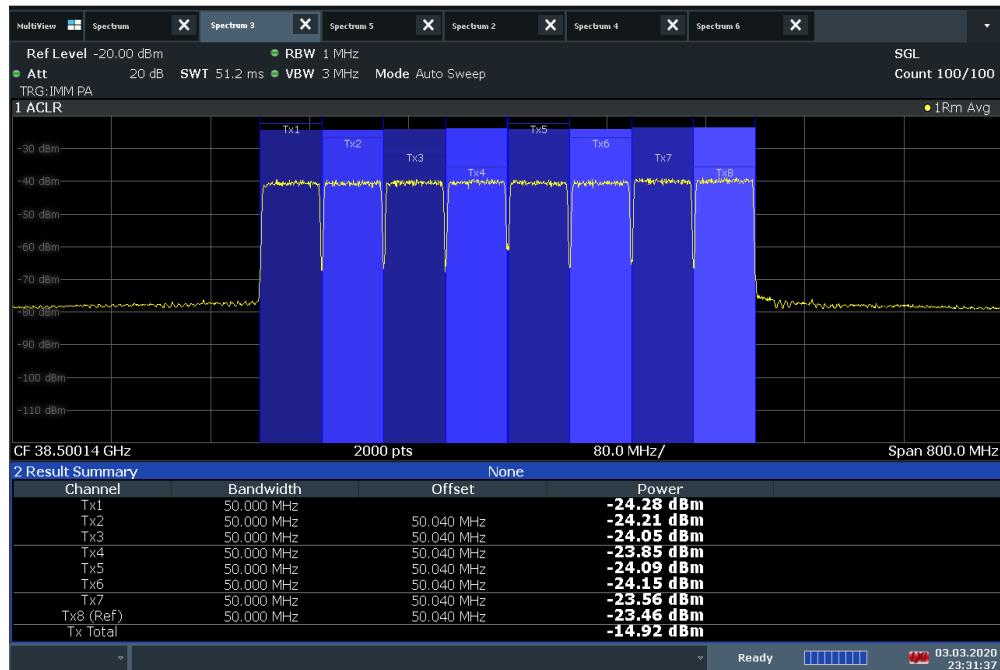
#### ACLRRResults



23:34:14 03.03.2020

**Plot 7-127. Antenna B EIRP Density Plot (50MHz BW 8CC QPSK Mid Channel)**

#### ACLRRResults

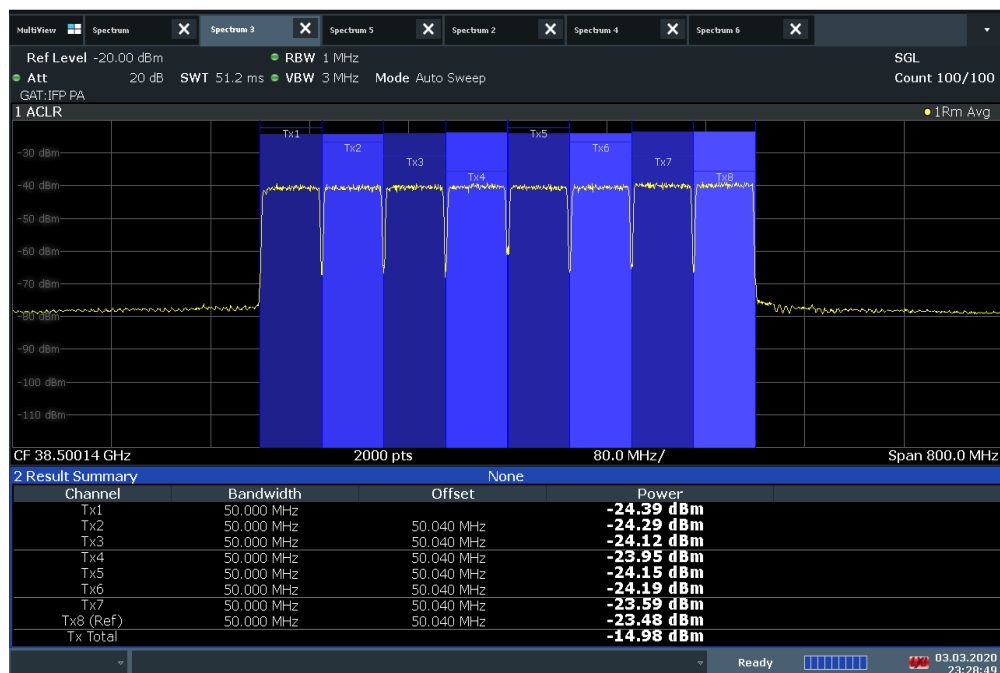


23:31:37 03.03.2020

**Plot 7-128. Antenna B EIRP Density Plot (50MHz BW 8CC 16QAM Mid Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 90 of 356                  |

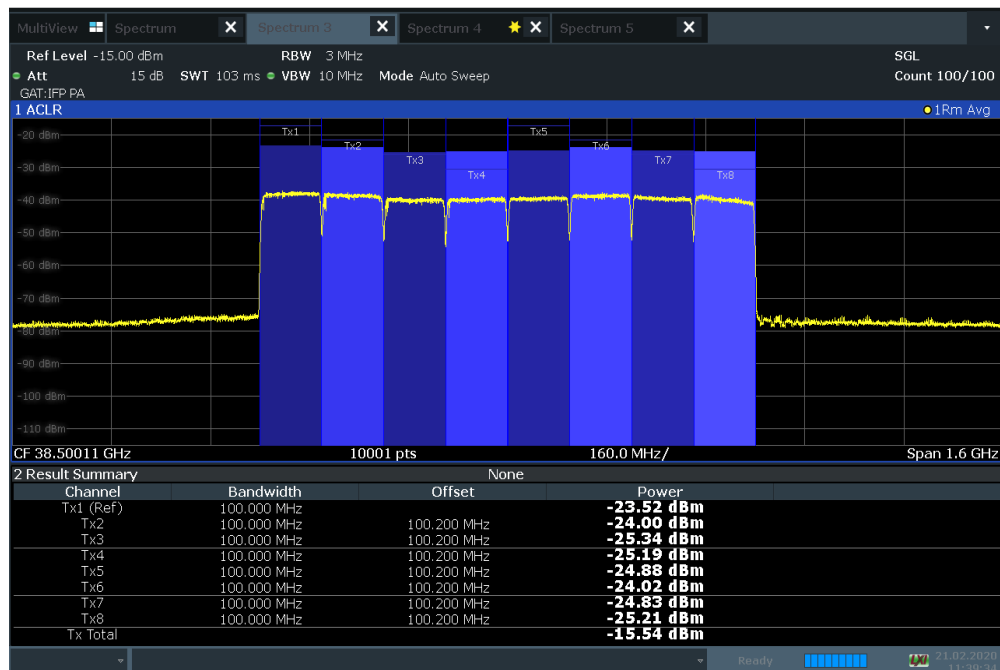
#### ACLRRResults



23:28:50 03.03.2020

**Plot 7-129. Antenna B EIRP Density Plot (50MHz BW 8CC 64QAM Mid Channel)**

#### ACLRRResults

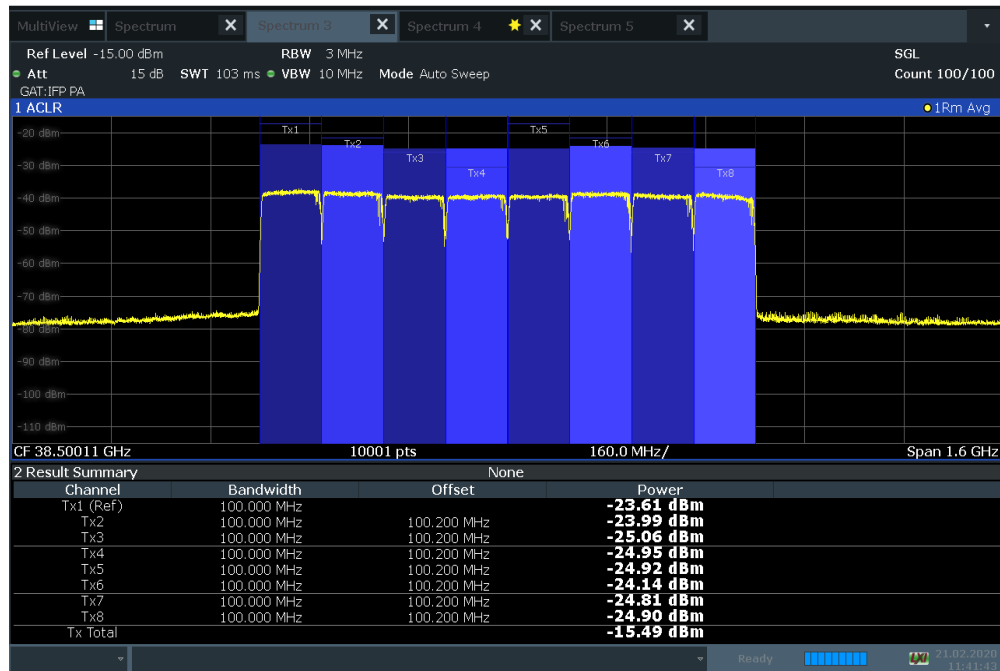


11:39:34 21.02.2020

**Plot 7-130. Antenna B EIRP Density Plot (100MHz BW 8CC QPSK Mid Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 91 of 356                  |

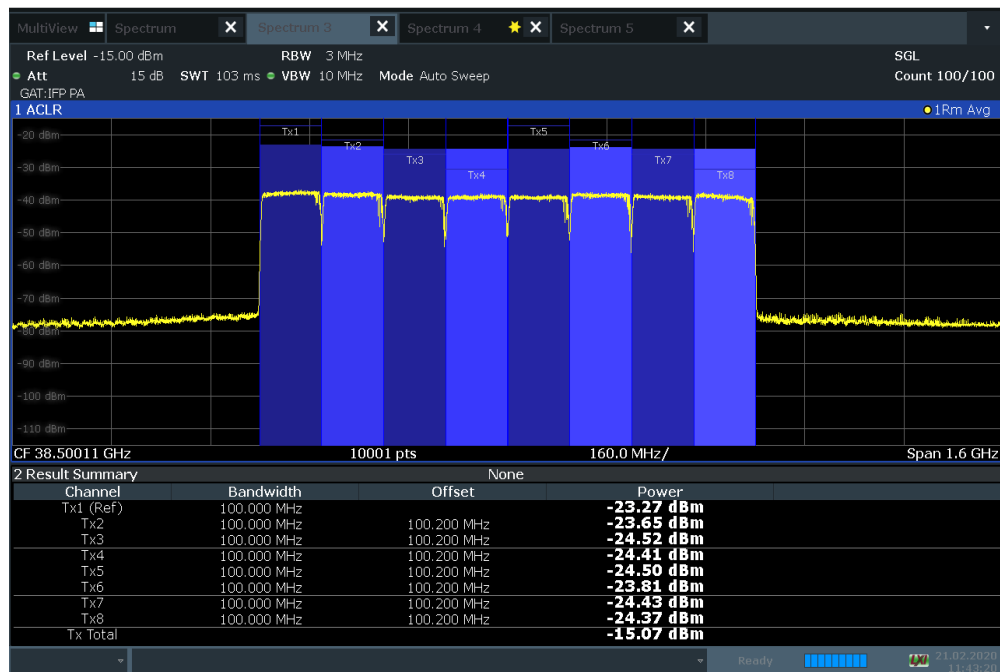
#### ACLRRResults



11:41:44 21.02.2020

**Plot 7-131. Antenna B EIRP Density Plot (100MHz BW 8CC 16QAM Mid Channel)**

#### ACLRRResults

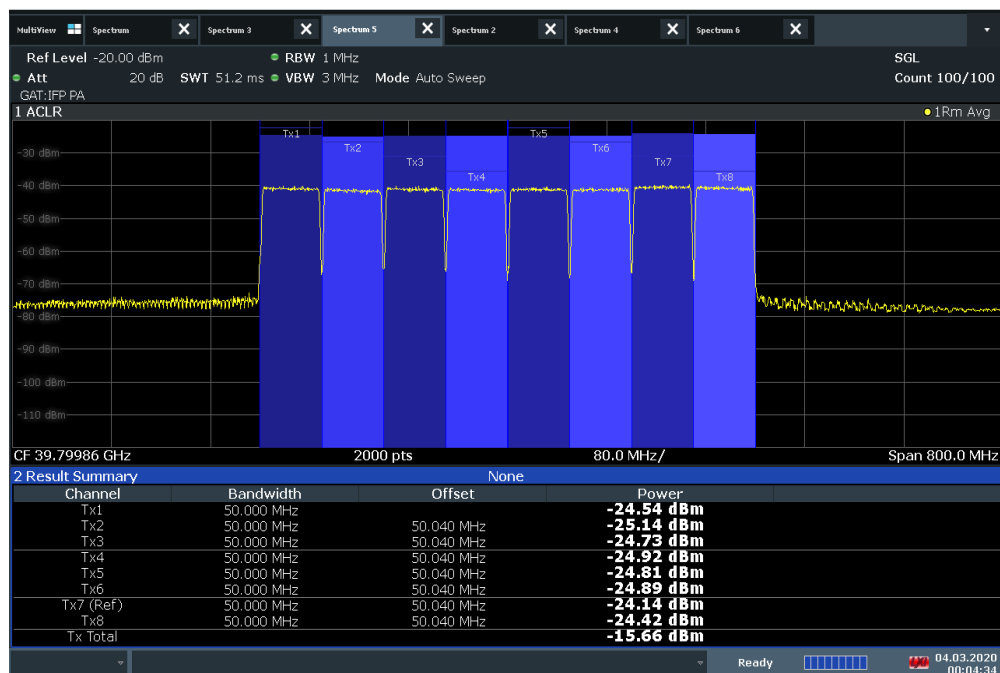


11:43:20 21.02.2020

**Plot 7-132. Antenna B EIRP Density Plot (100MHz BW 8CC 64QAM Mid Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 92 of 356                  |

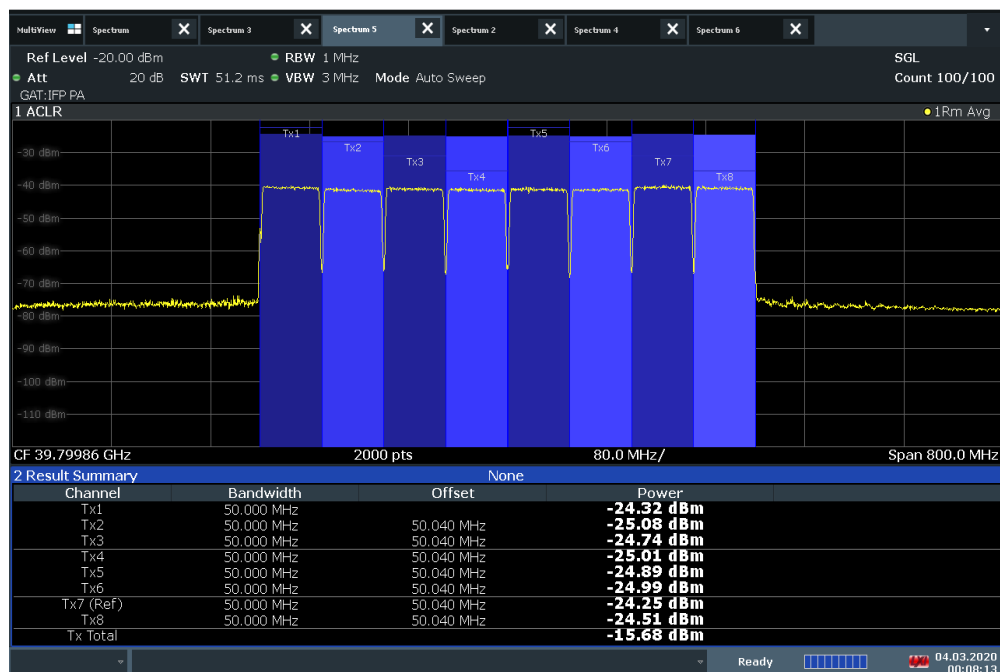
#### ACLRResults



00:04:35 04.03.2020

**Plot 7-133. Antenna B EIRP Density Plot (50MHz BW 8CC QPSK High Channel)**

#### ACLRResults

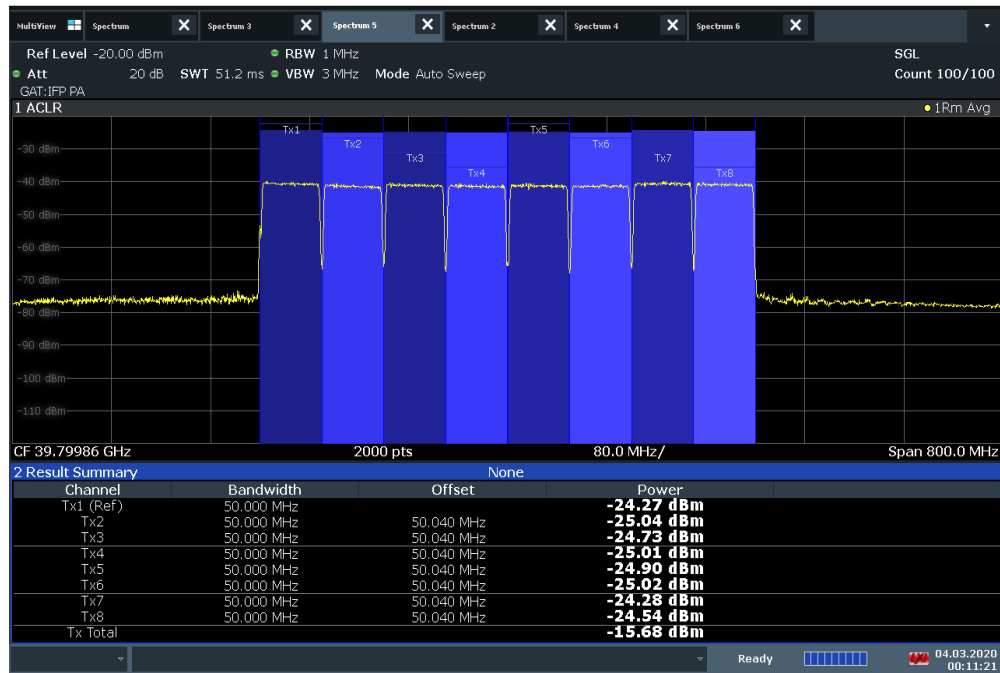


00:08:14 04.03.2020

**Plot 7-134. Antenna B EIRP Density Plot (50MHz BW 8CC 16QAM High Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 93 of 356                  |

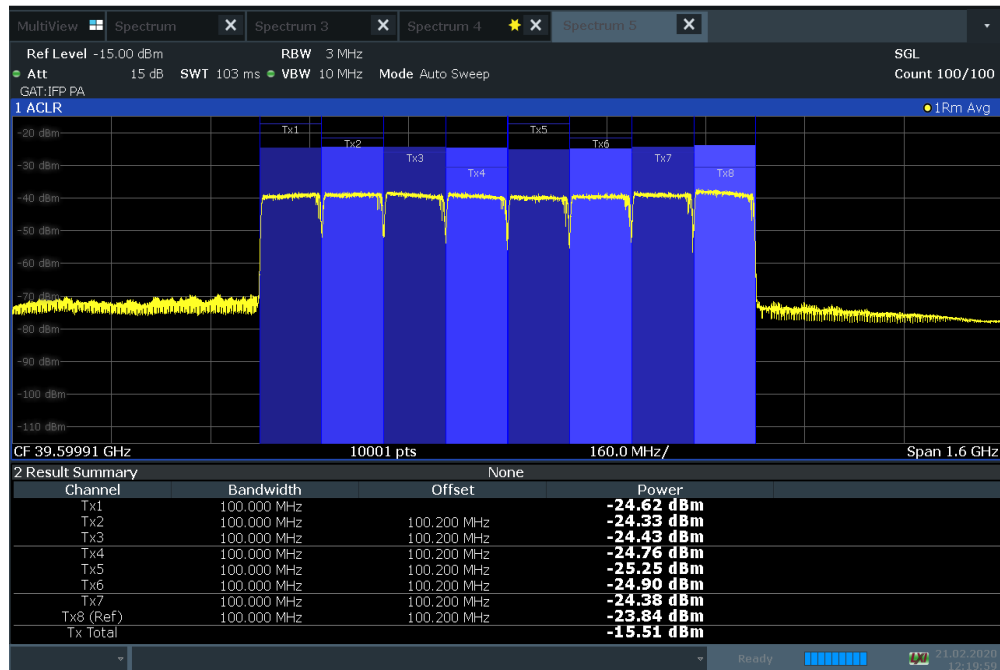
#### ACLRResults



00:11:21 04.03.2020

**Plot 7-135. Antenna B EIRP Density Plot (50MHz BW 8CC 64QAM High Channel)**

#### ACLRResults

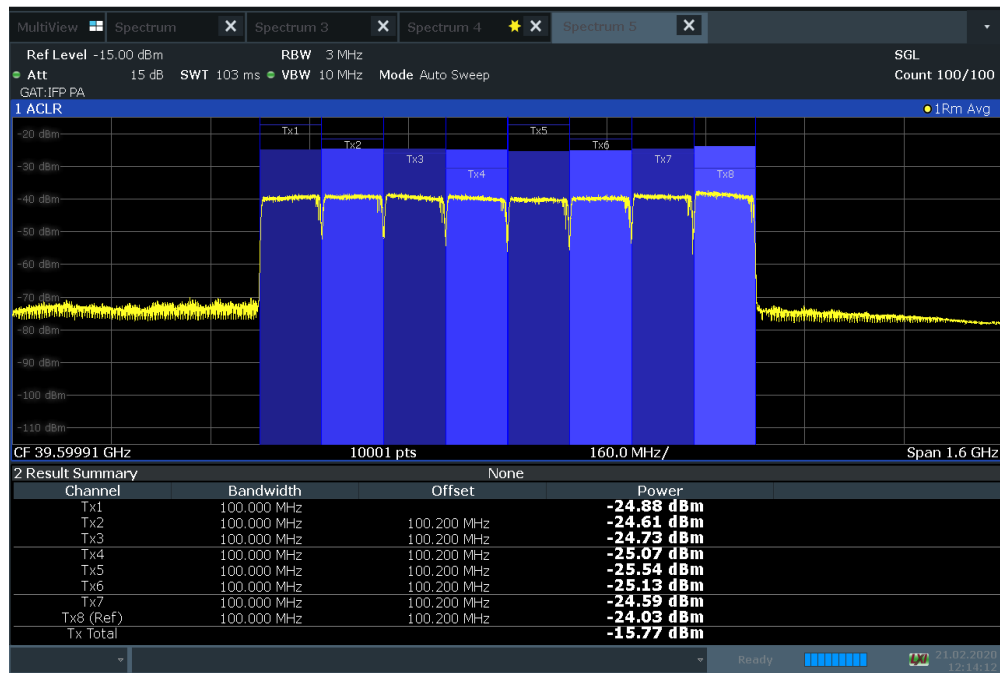


12:19:59 21.02.2020

**Plot 7-136. Antenna B EIRP Density Plot (100MHz BW 8CC QPSK High Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 94 of 356                  |

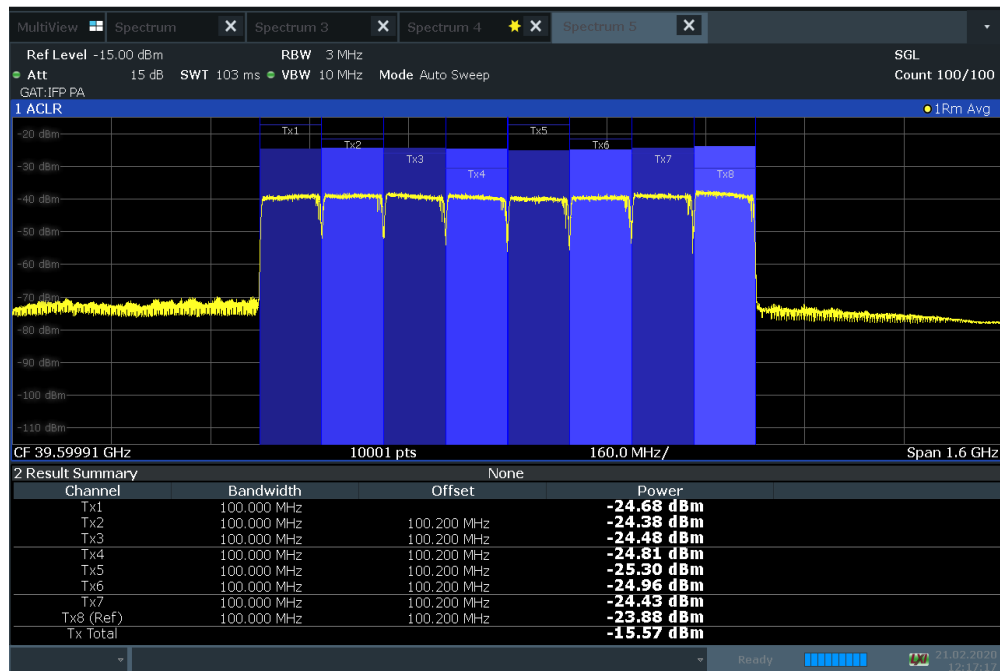
#### ACLRRResults



12:14:13 21.02.2020

Plot 7-137. Antenna B EIRP Density Plot (100MHz BW 8CC 16QAM High Channel)

#### ACLRRResults

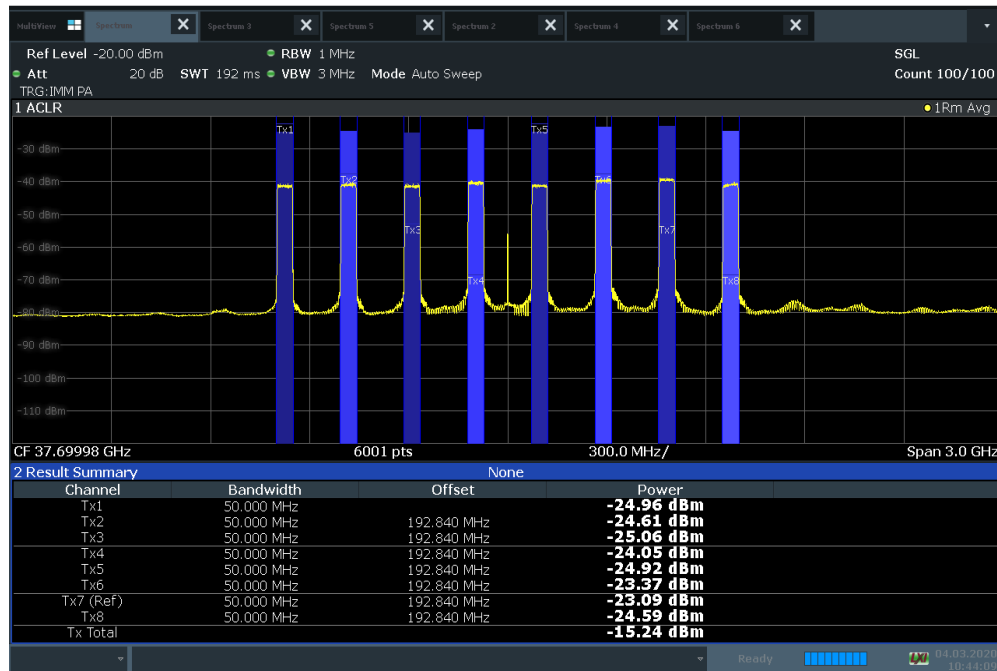


12:17:18 21.02.2020

Plot 7-138. Antenna B EIRP Density Plot (100MHz BW 8CC 64QAM High Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 95 of 356                  |

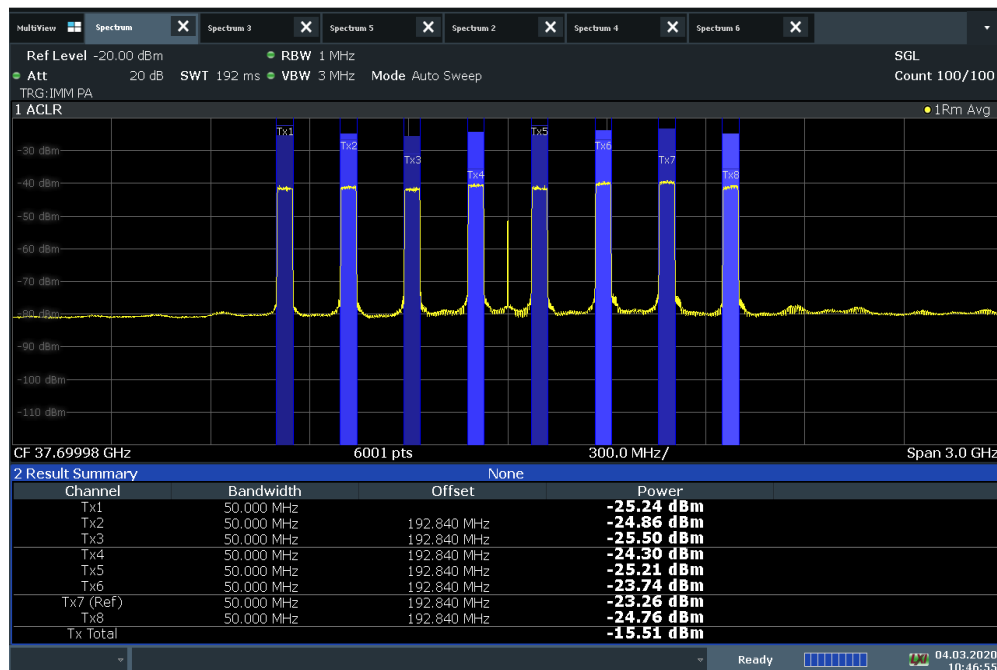
#### ACLRRResults



10:44:10 04.03.2020

**Plot 7-139. Antenna B EIRP Density Plot (50MHz BW 8CC NC QPSK Low Channel)**

#### ACLRRResults

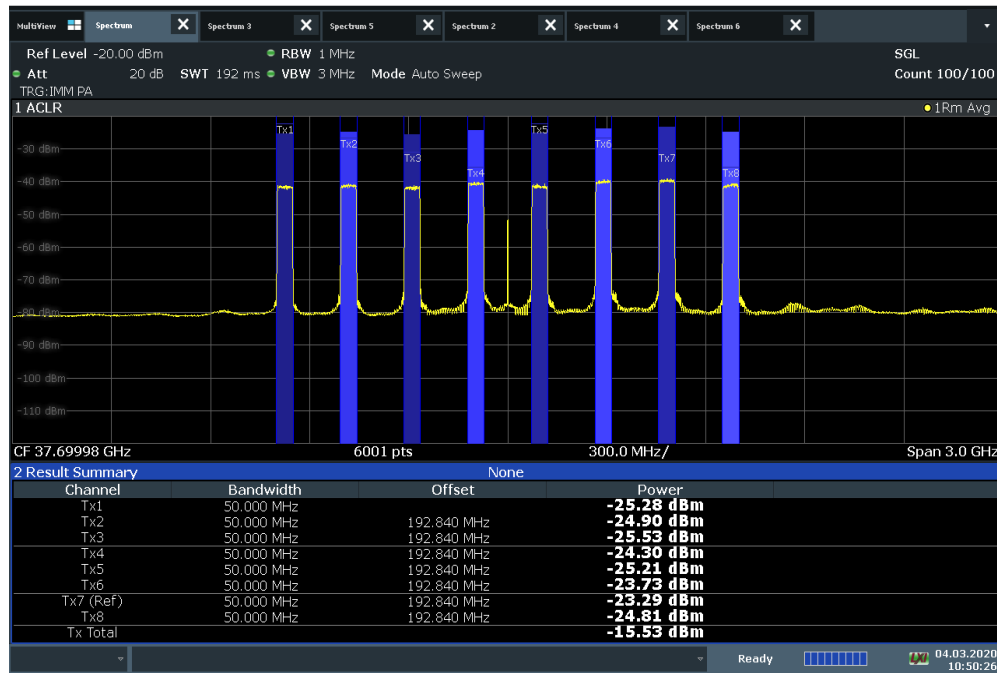


10:46:56 04.03.2020

**Plot 7-140. Antenna B EIRP Density Plot (50MHz BW 8CC NC 16QAM Low Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 96 of 356                  |

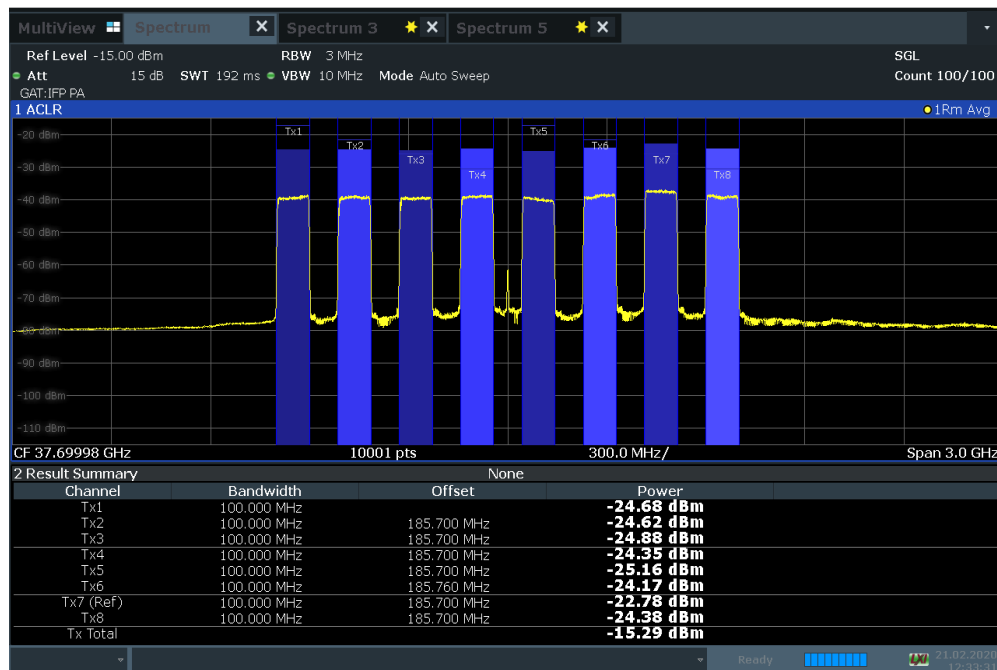
#### ACLRRResults



10:50:27 04.03.2020

**Plot 7-141. Antenna B EIRP Density Plot (50MHz BW 8CC NC 64QAM Low Channel)**

#### ACLRRResults

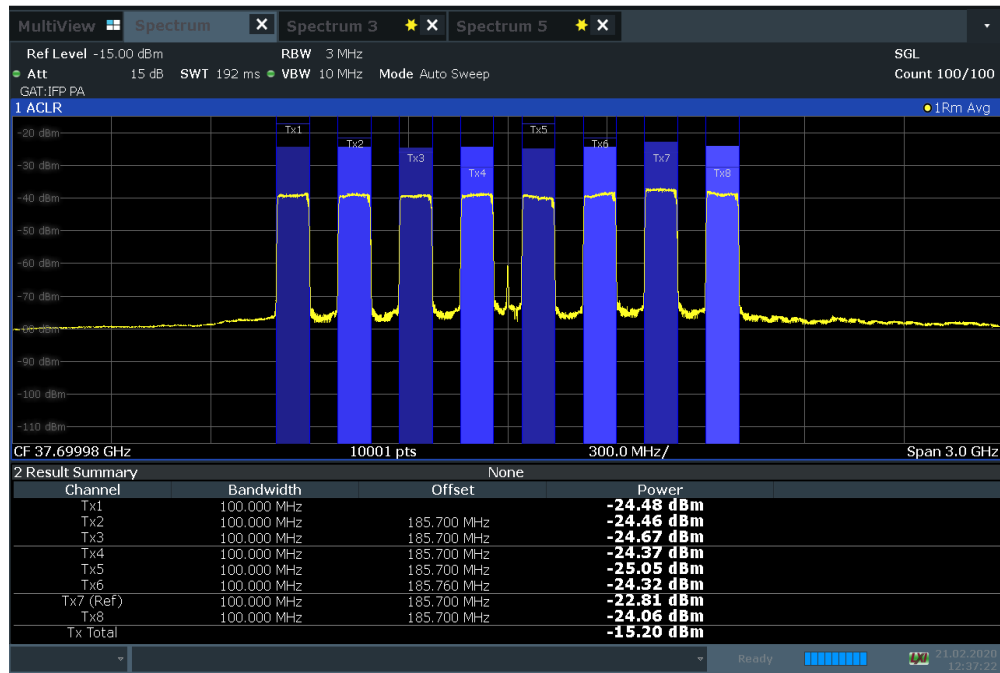


12:33:32 21.02.2020

**Plot 7-142. Antenna B EIRP Density Plot (100MHz BW 8CC NC QPSK Low Channel)**

|                                       |                                              |                                               |                |                                 |
|---------------------------------------|----------------------------------------------|-----------------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit                   |                | Page 97 of 356                  |

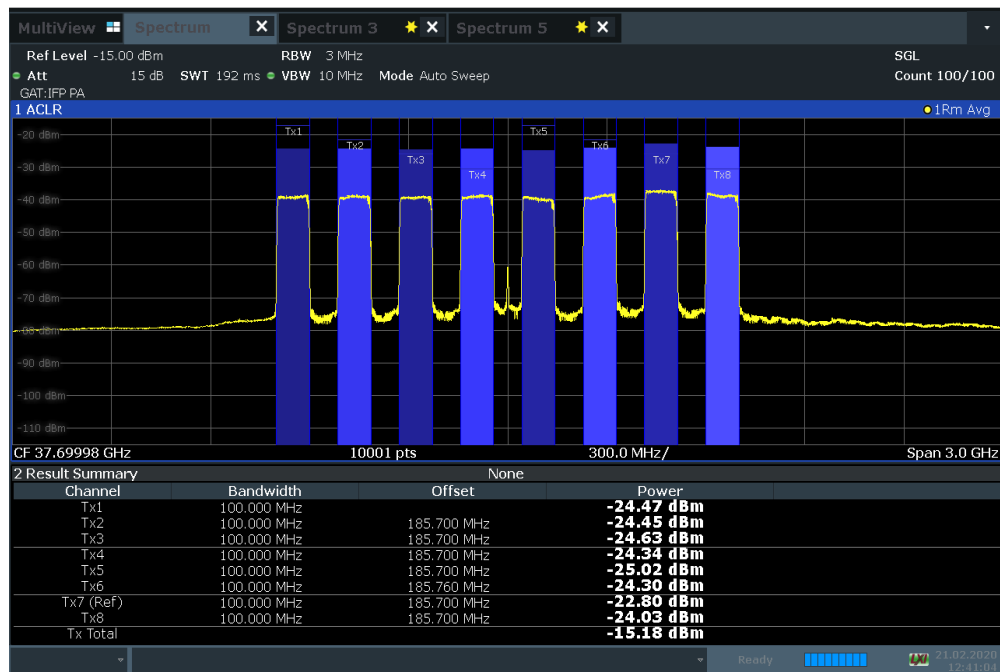
#### ACLRRResults



12:37:23 21.02.2020

**Plot 7-143. Antenna B EIRP Density Plot (100MHz BW 8CC NC 16QAM Low Channel)**

#### ACLRRResults

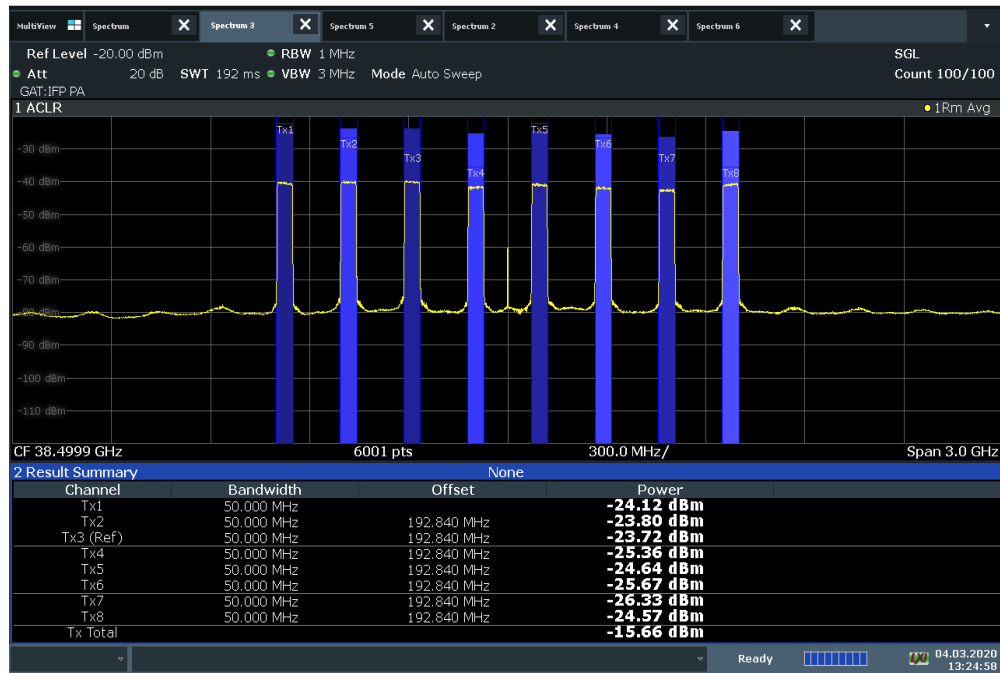


12:41:04 21.02.2020

**Plot 7-144. Antenna B EIRP Density Plot (100MHz BW 8CC NC 64QAM Low Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 98 of 356                  |

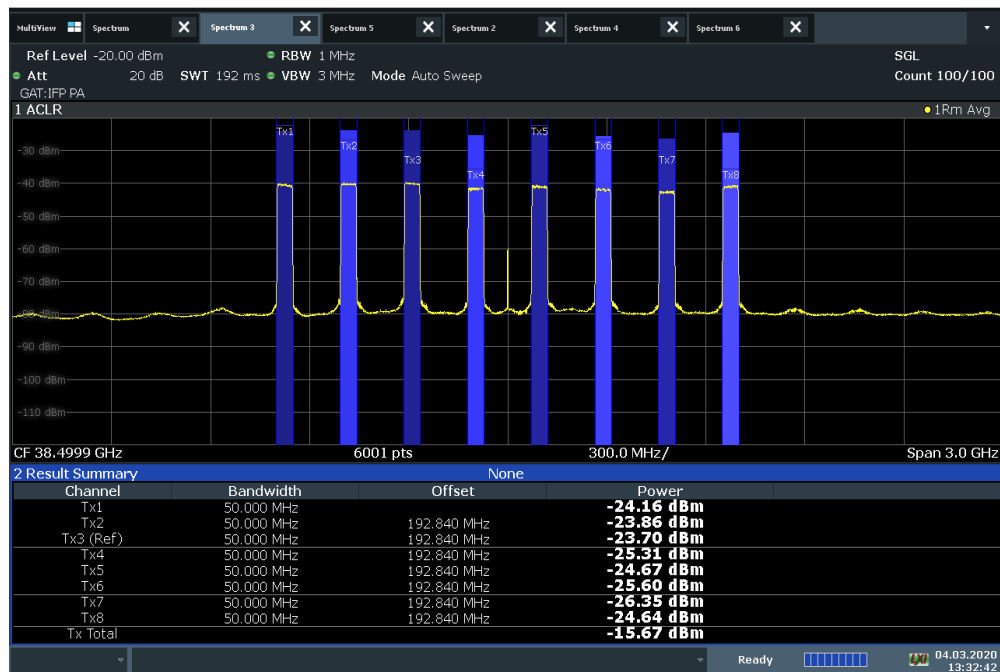
#### ACLRRResults



13:24:59 04.03.2020

**Plot 7-145. Antenna B EIRP Density Plot (50MHz BW 8CC NC QPSK Mid Channel)**

#### ACLRRResults



13:32:43 04.03.2020

**Plot 7-146. Antenna B EIRP Density Plot (50MHz BW 8CC NC 16QAM Mid Channel)**

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 99 of 356                  |

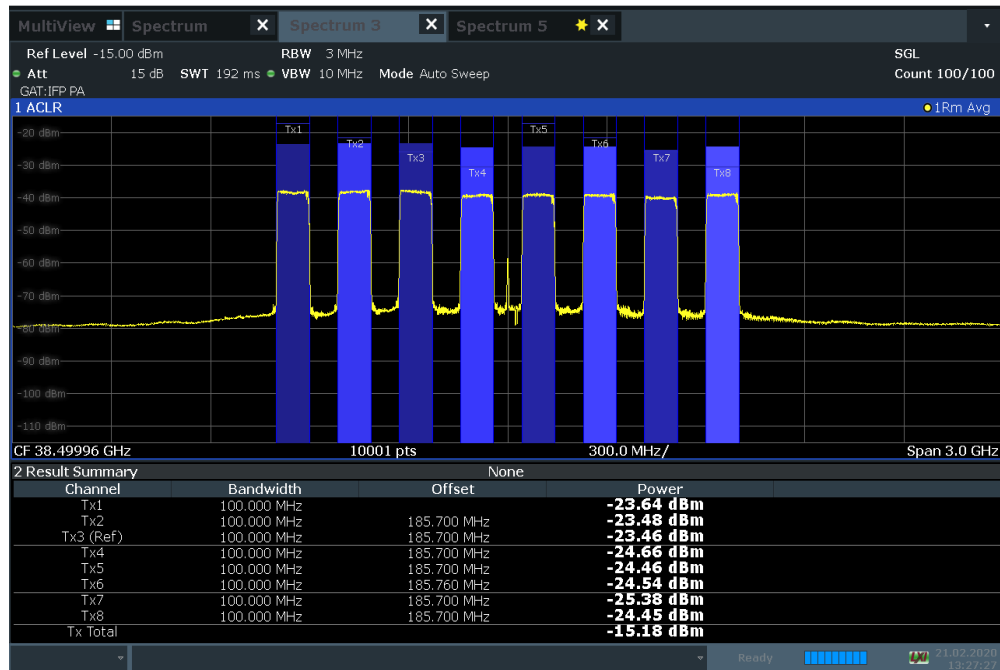
#### ACLRRResults



13:40:01 04.03.2020

Plot 7-147. Antenna B EIRP Density Plot (50MHz BW 8CC NC 64QAM Mid Channel)

#### ACLRRResults

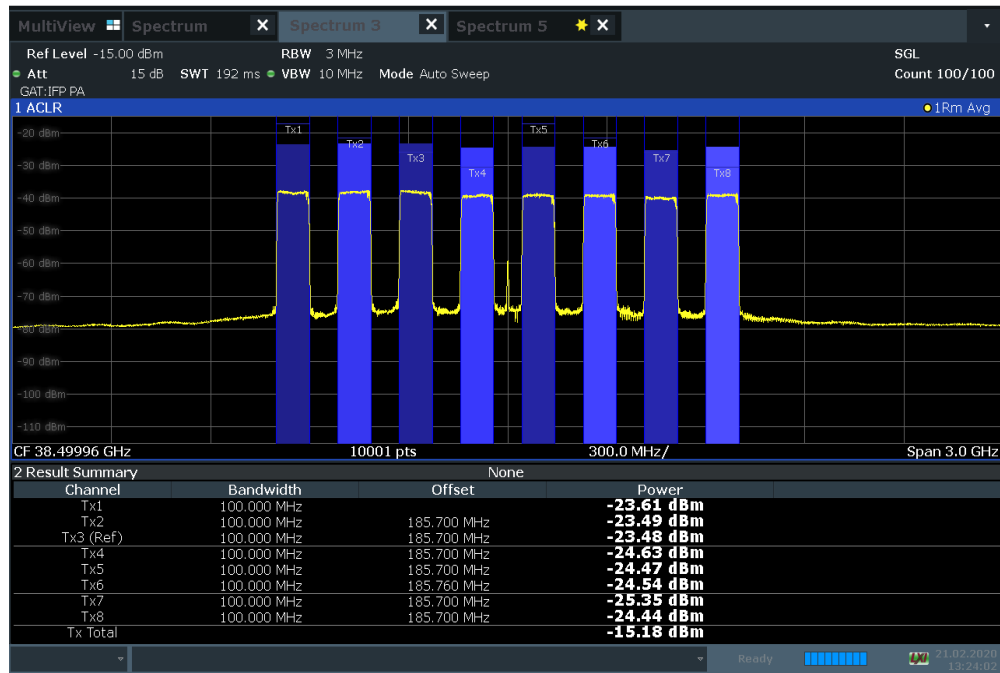


13:27:27 21.02.2020

Plot 7-148. Antenna B EIRP Density Plot (100MHz BW 8CC NC QPSK Mid Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 100 of 356                 |

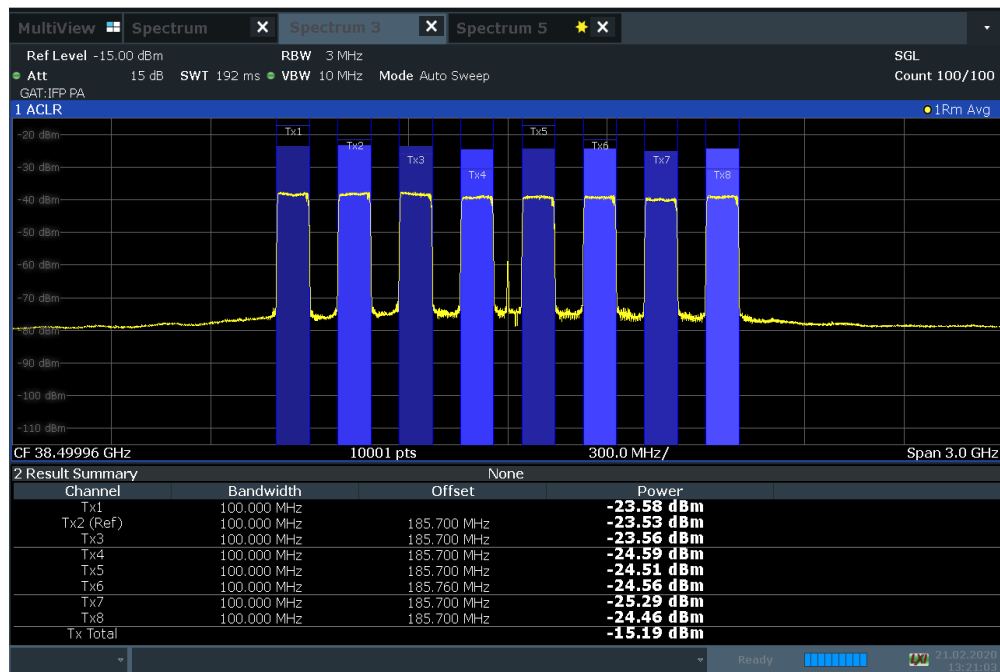
#### ACLRRResults



13:24:03 21.02.2020

Plot 7-149. Antenna B EIRP Density Plot (100MHz BW 8CC NC 16QAM Mid Channel)

#### ACLRRResults

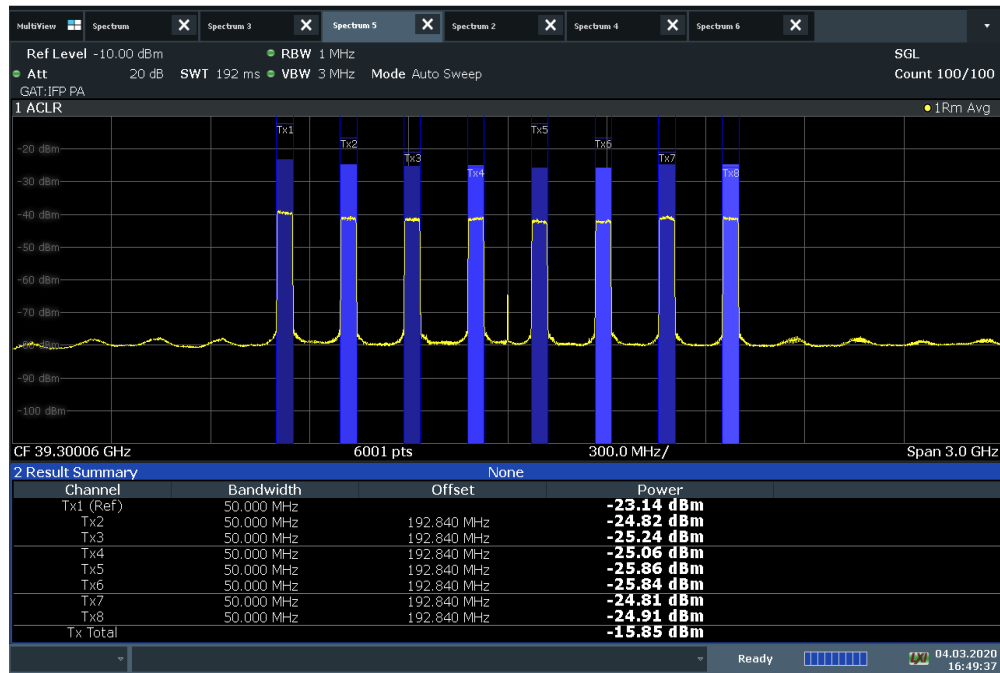


13:21:03 21.02.2020

Plot 7-150. Antenna B EIRP Density Plot (100MHz BW 8CC NC 64QAM Mid Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 101 of 356                 |

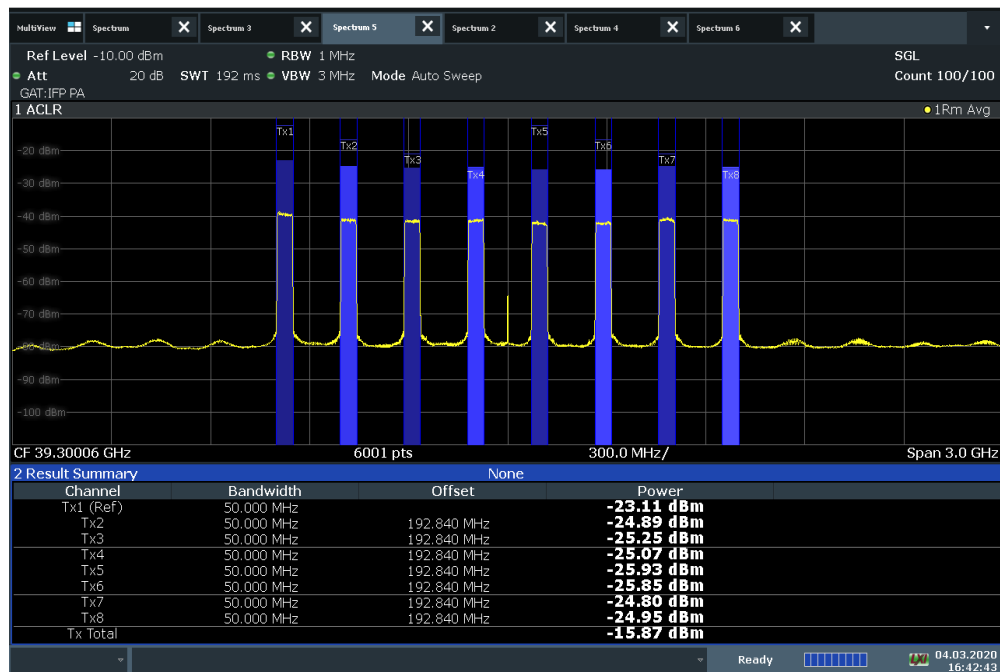
#### ACLRRResults



16:49:37 04.03.2020

Plot 7-151. Antenna B EIRP Density Plot (50MHz BW 8CC NC QPSK High Channel)

#### ACLRRResults



16:42:43 04.03.2020

Plot 7-152. Antenna B EIRP Density Plot (50MHz BW 8CC NC 16QAM High Channel)

|                                       |                                              |                                       |                |                                 |
|---------------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------------------------|
| FCC ID: A3LAT1K02-A00                 | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>8K19110701-01.A3L | Test Dates:<br>02/18/2020-03/06/2020         | EUT Type:<br>5G Access Unit           |                | Page 102 of 356                 |