

| RL              | RI                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | CORREC | 2      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SENSE:INT<br>r Freq: 3.72000<br>Free Run | 0000 ( |         | ALIGN AUTO | 07:35:1<br>Radio \$ |                                        | eb 15, 2022<br>one          | Frequ       | ency    |
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| ASS             | Gate                  | e: LO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | IFGain | :Low   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | n: 26 dB                                 |        |         |            | Radio I             | Device                                 | BTS                         |             |         |
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| 50.0            | in the spectrum decay | and an an and a state of the st |       |        |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |        |         |            |                     |                                        |                             |             |         |
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| 1               |                       | 3.6500 GH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | z 3.6 | 950 GH | Ηz     | 1.000 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3.694925000                              | GHz -  | -36.04  | dBm        | -23.04              | dB                                     |                             |             |         |
| 2               |                       | 3.6950 GH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | z 3.6 | 990 GH | Ηz     | 510.0 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3.698946667                              | GHz -  | 34.55   | dBm        | -21.55              | dB                                     |                             | Fre         | q Offs  |
|                 |                       | 3.6990 GH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | z 3.7 | 000 GH | lz     | 360.0 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3.699985000                              | GHz -  | -34.03  | dBm        | -21.03              | dB                                     |                             | 110         | 0       |
| 3 3             |                       | 3.7000 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | z 3.7 | 500 GH | Ιz     | 1.000 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3.724583333                              | GHz (  | 6.565 d | Bm         | -19.43              | dB                                     |                             |             | 01      |
|                 |                       | 0.1000 011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |        |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |        |         |            |                     |                                        |                             |             |         |
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Plot 7-96. Lower ACP Plot (NR Band n77 - 40MHz CP-OFDM-QPSK - Full RB - C-Band - Ant G - SRS 1)



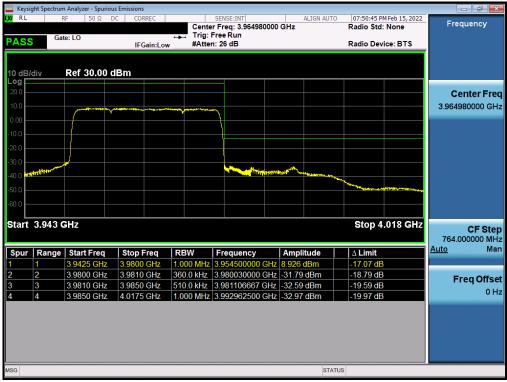
Plot 7-97. Upper ACP Plot (NR Band n77 - 40MHz CP-OFDM-QPSK - Full RB - C-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Dega CC of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 66 of 149                    |
| © 2022 PCTEST       |                      | -                                                          |         | V3.0 1/6/2022                     |



| RL                   |           | n Analyzer - Sp<br>RF 50 9<br>te: LO |        | CORREC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Trig:                                                                                                            | SENSE:INT<br>er Freq: 3.7150000<br>Free Run | ALIGN AUTO   | Radio Std: N           | one               | Frequency               |
|----------------------|-----------|--------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------|------------------------|-------------------|-------------------------|
| PAS                  | S         |                                      |        | IFGain:Lo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | w #Atte                                                                                                          | en: 26 dB                                   |              | Radio Device           | : BTS             |                         |
|                      |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
| 0 dE<br>.og <b>[</b> | 3/div     | Ref 30.0                             | 00 dBn | <u>1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                  |                                             |              |                        |                   |                         |
| 20.0                 |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   | Center Fre              |
| 10.0                 |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   | 3.715000000 GH          |
| D.00                 |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
| 10.0                 |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
| 20.0                 |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
| 30.0                 |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | الطبر برار                                                                                                       |                                             |              |                        | Second Street and |                         |
| 40.0                 |           |                                      |        | and the second sec | and the second |                                             |              |                        |                   |                         |
| 50.0                 |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
| 60.0                 |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
|                      | 0 0 0 0 0 |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              | Oton 2.7               | 20.00             |                         |
| start                | 3.663 (   | 582                                  |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              | Stop 3.7               | 38 GH2            | CF Ste<br>764.000000 MH |
| Spur                 |           | Start Fre                            |        | top Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RBW                                                                                                              | Frequency                                   | Amplitude    | ∆ Limit                |                   | <u>Auto</u> Ma          |
|                      | 1         | 3.6625 G                             |        | 6950 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                  | 3.694729167 GH                              |              | -18.61 dB              |                   |                         |
| 2                    | 2         | 3.6950 G                             |        | 6990 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                  | 3.698913333 GH                              |              | -20.58 dB              |                   | Freq Offs               |
| }<br>                | 3         | 3.6990 G<br>3.7000 G                 |        | 7000 GHz<br>7375 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                  | 3.699633333 GH<br>3.722187500 GH            |              | -20.31 dB<br>-18.66 dB |                   | 01                      |
|                      |           | 0.1000 G                             | 12 3.  | I ST S GHZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.000 Mil 12                                                                                                     | 19.122 107 300 GI                           | 2 HOAG (DIII | -10.00 ub              |                   |                         |
|                      |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
|                      |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
|                      |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
|                      |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |
|                      |           |                                      |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                  |                                             |              |                        |                   |                         |

Plot 7-98. Lower ACP Plot (NR Band n77 - 30MHz CP-OFDM-QPSK - Full RB - C-Band - Ant G - SRS 1)



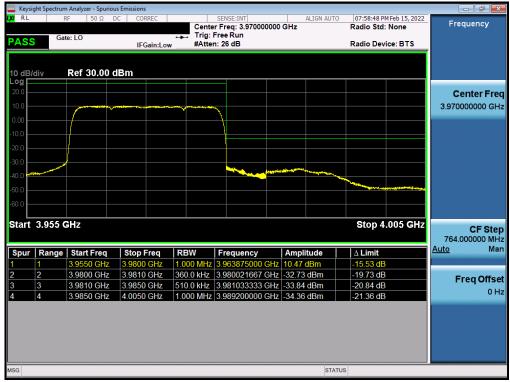
Plot 7-99. Upper ACP Plot (NR Band n77 - 30MHz CP-OFDM-QPSK - Full RB - C-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMBUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Dege 67 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 67 of 149                    |
| © 2022 PCTEST       | ·                    |                                                            |         | V3.0 1/6/2022                     |



|            | R           | Analyzer - Spurio<br>F 50 Ω            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cente                               | SENSE:INT<br>Freq: 3.71000000                         | ALIGN AUTO                             | 07:53:32 PM Feb 15, 2022<br>Radio Std: None | Frequency                |
|------------|-------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|----------------------------------------|---------------------------------------------|--------------------------|
| ASS        | Gat         | e: LO                                  | IFGain:Lo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Trig:                               | Free Run<br>n: 26 dB                                  |                                        | Radio Device: BTS                           |                          |
| 0 dB/d     | div         | Ref 30.00                              | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                                       |                                        |                                             |                          |
| og<br>20.0 |             |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        |                                             | Center Fre               |
| 0.0        |             |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        |                                             | 3.710000000 G            |
|            |             |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        | <u> </u>                                    |                          |
| 0.0        |             |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        |                                             |                          |
| 20.0       |             |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        |                                             |                          |
| 0.0        |             |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | vi <b>gi</b>                                          |                                        |                                             |                          |
| 0.0        |             |                                        | and the second s |                                     |                                                       |                                        |                                             |                          |
| io.o 📥     | ~~~~~       |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        |                                             |                          |
| 60.0       |             |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        |                                             |                          |
| tart       | 3.675 G     | 147                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        | Stop 3.725 GHz                              |                          |
| lait       | 3.073 0     | 9112                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        | Stop 3.725 GHz                              | CF Sto<br>764.000000 M   |
|            |             |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                       |                                        |                                             |                          |
| Spur       | Range       | Start Freq                             | Stop Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RBW                                 | Frequency                                             | Amplitude                              | ∆ Limit                                     | <u>Auto</u> M            |
|            | 1           | 3.6750 GHz                             | 3.6950 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.000 MHz                           | 3.695000000 GHz                                       | -30.30 dBm                             | -17.30 dB                                   | Auto M                   |
|            | 1<br>2      | 3.6750 GHz<br>3.6950 GHz               | 3.6950 GHz<br>3.6990 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.000 MHz<br>510.0 kHz              | 3.695000000 GHz<br>3.698966667 GHz                    | -30.30 dBm<br>-30.53 dBm               | -17.30 dB<br>-17.53 dB                      |                          |
|            | 1<br>2<br>3 | 3.6750 GHz                             | 3.6950 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.000 MHz<br>510.0 kHz<br>360.0 kHz | 3.695000000 GHz                                       | -30.30 dBm<br>-30.53 dBm<br>-29.86 dBm | -17.30 dB                                   | Freq Offs                |
|            | 1<br>2<br>3 | 3.6750 GHz<br>3.6950 GHz<br>3.6990 GHz | 3.6950 GHz<br>3.6990 GHz<br>3.7000 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.000 MHz<br>510.0 kHz<br>360.0 kHz | 3.695000000 GHz<br>3.698966667 GHz<br>3.699988333 GHz | -30.30 dBm<br>-30.53 dBm<br>-29.86 dBm | -17.30 dB<br>-17.53 dB<br>-16.86 dB         | Freq Offs                |
|            | 1<br>2<br>3 | 3.6750 GHz<br>3.6950 GHz<br>3.6990 GHz | 3.6950 GHz<br>3.6990 GHz<br>3.7000 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.000 MHz<br>510.0 kHz<br>360.0 kHz | 3.695000000 GHz<br>3.698966667 GHz<br>3.699988333 GHz | -30.30 dBm<br>-30.53 dBm<br>-29.86 dBm | -17.30 dB<br>-17.53 dB<br>-16.86 dB         | Freq Offs                |
|            | 1<br>2<br>3 | 3.6750 GHz<br>3.6950 GHz<br>3.6990 GHz | 3.6950 GHz<br>3.6990 GHz<br>3.7000 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.000 MHz<br>510.0 kHz<br>360.0 kHz | 3.695000000 GHz<br>3.698966667 GHz<br>3.699988333 GHz | -30.30 dBm<br>-30.53 dBm<br>-29.86 dBm | -17.30 dB<br>-17.53 dB<br>-16.86 dB         | Freq Offs                |
|            | 1<br>2<br>3 | 3.6750 GHz<br>3.6950 GHz<br>3.6990 GHz | 3.6950 GHz<br>3.6990 GHz<br>3.7000 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.000 MHz<br>510.0 kHz<br>360.0 kHz | 3.695000000 GHz<br>3.698966667 GHz<br>3.699988333 GHz | -30.30 dBm<br>-30.53 dBm<br>-29.86 dBm | -17.30 dB<br>-17.53 dB<br>-16.86 dB         | Auto M<br>Freq Offs<br>0 |

Plot 7-100. Lower ACP Plot (NR Band n77 - 20MHz CP-OFDM-QPSK - Full RB - C-Band - Ant G - SRS 1)



Plot 7-101. Upper ACP Plot (NR Band n77 - 20MHz CP-OFDM-QPSK - Full RB - C-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Dage 69 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 68 of 149                    |
| © 2022 PCTEST       | •                    | •                                                          |         | V3.0 1/6/2022                     |



| RL    |                                        | 1F 50             | ΩI  | DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CORREC        |                          | 🛻 Trig:               | er Fre<br>Free |           | 0000 G                |       | ALIGN AUTO | Rad     | io Std | M Feb 15, 2022<br>: None | Fre          | equency  |
|-------|----------------------------------------|-------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|-----------------------|----------------|-----------|-----------------------|-------|------------|---------|--------|--------------------------|--------------|----------|
| ASS   |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IFGain:       | Low                      | #Atte                 | n: 26          | dB        |                       |       |            | Rad     | io Dev | rice: BTS                |              |          |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
| ) dB/ | div                                    | Ref 30            | .00 | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
| og┌   |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
| 0.0   |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          | C            | enter Fr |
| 0.0   |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                | 1 martine | and the second second |       |            | ******* | -      |                          | 3.705        | 000000 G |
| .00   |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       | 1              |           |                       |       |            |         | 1      | \                        |              |          |
| J.O _ |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
| 0.0   |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       | _              |           |                       |       |            |         |        | 1                        |              |          |
| D.O - |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | القويب المرين | rred <sup>in d</sup> ida | Man at a start of the | -              |           |                       |       |            |         |        |                          |              |          |
| 0.0   |                                        |                   |     | and the second s |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       | ************************************** | <b>₩₽₽₩₽₽₽</b> ₽₽ |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
| 0.0   |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       | 0.000.0                                | <u></u>           |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        | 740 00-                  |              |          |
| lari  | 3.688 C                                | PΠZ               |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            | 5       | top a  | .713 GHz                 |              | CF St    |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          | 764.<br>Auto | 000000 M |
| pur   | Range                                  |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | p Free        |                          | RBW                   |                | quency    |                       | Ampli |            |         | .imit  |                          | Auto         | N        |
|       | 1                                      | 3.6875 (          |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 950 GH        |                          |                       |                | 4887500   |                       |       |            |         | .39 dE |                          |              |          |
|       | 2                                      | 3.6950            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 90 GH         |                          |                       |                | 6693333 ( |                       |       |            |         | .83 dE |                          | F            | reg Offs |
|       | 3                                      | 3.6990            |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 00 GH         |                          |                       |                | 9991667   |                       |       |            |         | .48 dE |                          |              | • 0      |
|       | 4                                      | 3.7000 (          | GHZ | 3.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25 GH         | z  1                     | .000 MHz              | 3.70           | 2125000 ( | GHz   1               | 2.780 | IBm        | -13     | .22 dE | 3                        |              | -        |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |
|       |                                        |                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                          |                       |                |           |                       |       |            |         |        |                          |              |          |

Plot 7-102. Lower ACP Plot (NR Band n77 - 10MHz CP-OFDM-QPSK – Full RB – C-Band - Ant G - SRS 1)

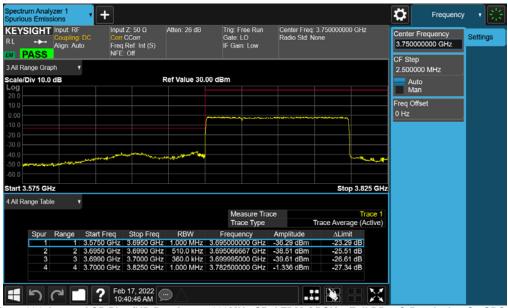


Plot 7-103. Upper ACP Plot (NR Band n77 - 10MHz CP-OFDM-QPSK - Full RB - C-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Dege 60 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 69 of 149                    |
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# NR Band n77 – C-Band - Ant C - SRS 2



Plot 7-104. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - C-Band - Ant C - SRS 2)

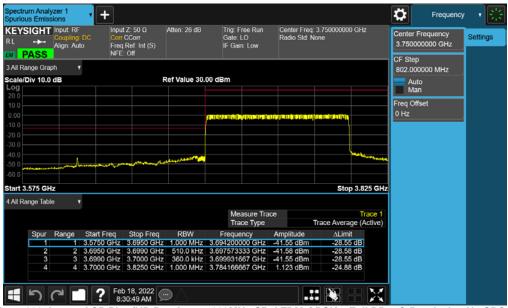


Plot 7-105. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - C-Band - Ant C - SRS 2)

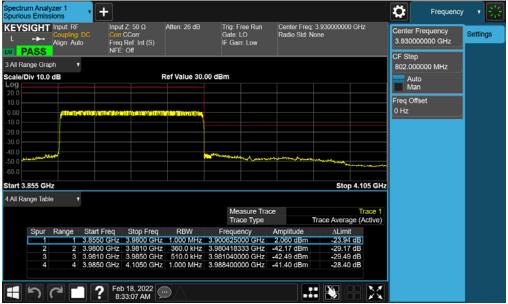
| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Dama 70 of 440                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 70 of 149                    |
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# NR Band n77 – C-Band - Ant H - SRS 3



Plot 7-106. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - C-Band - Ant H - SRS 3)

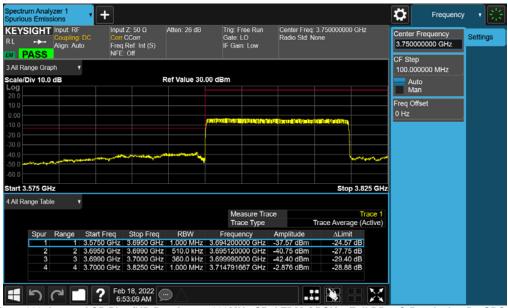


Plot 7-107. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - C-Band - Ant H - SRS 3)

| FCC ID: A3LSMS901E  | Rout to be part of the internet | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMBUNG | Approved by:<br>Technical Manager |
|---------------------|---------------------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:                     | EUT Type:                                                  |         | Dama 74 at 440                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022            | Portable Handset                                           |         | Page 71 of 149                    |
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# NR Band n77 – C-Band - Ant D - SRS 4



Plot 7-108. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - C-Band - Ant D - SRS 4)

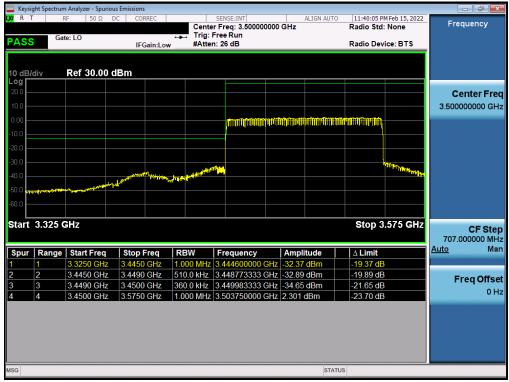


Plot 7-109. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - C-Band - Ant D - SRS 4)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | De r.a. 70 af 440                 |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 72 of 149                    |
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## NR Band n77 – DoD-Band - Ant G - SRS 1



Plot 7-110. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



Plot 7-111. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK – Full RB – DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Daga 72 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 73 of 149                    |
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2022 PCTES



| R T                           |                                | RF 50Ω<br>te:LO                | DC     | CORREC                       | Trig:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SENSE:INT<br>er Freq: 3.49500<br>Free Run<br>n: 26 dB | 00000 GHz                              | ALIGN AUTO | 11:29:58 P<br>Radio Std<br>Radio Dev                            |                                                                                                                 | Frequ    | ency    |
|-------------------------------|--------------------------------|--------------------------------|--------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------|------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------|---------|
| 0 dB/                         |                                | Ref 30.0                       | 0 dBm  | IFGain:Lo                    | w #Atte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11. 20 dB                                             |                                        |            | Radio Dev                                                       | ice. B13                                                                                                        |          |         |
| 0 ab/<br>.og<br>20.0          | aiv                            | Rei 30.0                       |        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                        |            |                                                                 |                                                                                                                 | Cen      | ter Fre |
| 10.0 -                        |                                |                                |        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | anna d <b>ran</b> nin                                 |                                        | สำนักสาวาร | 14 <b>0-01-01-01-0</b> 1-01-01-01-01-01-01-01-01-01-01-01-01-01 |                                                                                                                 | 3.495000 | 0000 GH |
| 10.0                          |                                |                                |        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       | 11 11 11 11 11 11 11 11 11 11 11 11 11 |            |                                                                 |                                                                                                                 |          |         |
| 20.0 -<br>30.0 -              |                                |                                |        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                        |            |                                                                 |                                                                                                                 |          |         |
| 40.0                          |                                | and and a second second second | hunner | PARTY NOT THE REAL PARTY NEW | ny internet in the state of the | m <mark>ye</mark> l                                   |                                        |            |                                                                 | and the second secon |          |         |
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| L<br>Start                    | 3.338 0                        | GHz                            |        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                        |            | Stop 3                                                          | .563 GHz                                                                                                        | 707.000  | CF Ste  |
| Spur                          | Range                          | Start Fre                      | q St   | top Freq                     | RBW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Frequency                                             | Amp                                    | litude     | ∆ Limit                                                         |                                                                                                                 | Auto     | М       |
|                               | 1                              | 3.3375 G                       |        | 450 GHz                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3.444641667                                           |                                        |            | -21.32 dB                                                       |                                                                                                                 |          |         |
|                               | 2                              | 3.4450 GH                      |        | 490 GHz                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3.448106667                                           |                                        |            | -21.34 dB                                                       |                                                                                                                 | Fre      | q Offs  |
|                               | 3<br>4                         | 3.4490 GH<br>3.4500 GH         |        | 1500 GHz<br>5625 GHz         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3.449966667<br>3.495375000                            |                                        |            | -22.14 dB                                                       |                                                                                                                 |          | 0       |
|                               |                                |                                |        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                        |            |                                                                 |                                                                                                                 |          |         |
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Plot 7-112. Lower ACP Plot (NR Band n77 - 90MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



Plot 7-113. Upper ACP Plot (NR Band n77 - 90MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Daga 74 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 74 of 149                    |
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|                 | C at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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Freq: 3.490000<br>: Free Run        |                                        | ALIGN AUTO        | 11:23:00 P<br>Radio Std:                       | M Feb 15, 2022<br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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Plot 7-114. Lower ACP Plot (NR Band n77 - 80MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



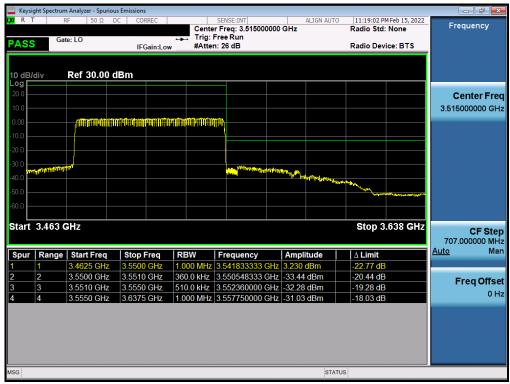
Plot 7-115. Upper ACP Plot (NR Band n77 - 80MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Dega 75 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 75 of 149                    |
| © 2022 PCTEST       |                      |                                                            |         | V3.0 1/6/2022                     |



| R        |                  | RF 50:<br>te:LO                                                                                                 | Ω DC         | CORF               |         | ITrig:                    | SENSE:INT<br>er Freq: 3.4850<br>Free Run | 00000 GHz   | ALIGN AUTO    | Radio Sto |                                                                                                                 | Frequ    | ency   |
|----------|------------------|-----------------------------------------------------------------------------------------------------------------|--------------|--------------------|---------|---------------------------|------------------------------------------|-------------|---------------|-----------|-----------------------------------------------------------------------------------------------------------------|----------|--------|
| AS       | <u> </u>         |                                                                                                                 |              | IFGa               | ain:Low | #Atte                     | n: 26 dB                                 |             |               | Radio De  | vice: BTS                                                                                                       |          |        |
|          |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| 0 dB     | (diu             | Ref 30.                                                                                                         | oo de        | 20                 |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| .og [    | vuiv             | Ker Ju.                                                                                                         |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| 20.0     |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 | Cen      | ter Fr |
| 10.0     |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 | 3.485000 |        |
|          |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 | 3.485000 | 000 GI |
| D.00     |                  |                                                                                                                 |              |                    |         |                           |                                          | MULTIN      | AUTUUL AUTUUL |           |                                                                                                                 |          |        |
| 10.0     |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| 20.0     |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| 30.0     |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
|          |                  |                                                                                                                 |              |                    | A       | A                         | t <b>ett</b>                             |             |               |           | Manufacture of the second s |          |        |
| 40.0     |                  |                                                                                                                 | at a destate | nproduction        |         | in a south and the second |                                          |             |               |           |                                                                                                                 |          |        |
| 50.0 🚽   | try that the set | and the state of the |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| 50.0     |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
|          |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| tart     | 3.363 0          | GHz                                                                                                             |              |                    |         |                           |                                          |             |               | Stop      | 3.538 GHz                                                                                                       |          |        |
|          |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 | 707.000  | CF Ste |
| <b>.</b> | Range            | Start Fre                                                                                                       |              | Mara Er            |         | RBW                       |                                          | <b>A</b> ma | nlitude       | ∆ Limit   |                                                                                                                 | Auto     | M      |
| Spur     | 1                | 3.3625 G                                                                                                        |              | Stop Fi<br>.4450 ( |         |                           | Frequency<br>3.444037500                 |             | plitude       | -19.18 d  | D                                                                                                               |          |        |
| )        | 2                | 3.4450 G                                                                                                        |              | .4490 (            |         |                           | 3.449000000                              |             |               | -19.18 d  |                                                                                                                 |          |        |
| }        | 3                | 3.4490 G                                                                                                        |              | .4500 (            |         |                           | 3.449301667                              |             |               | -19.41 d  |                                                                                                                 | Fre      | q Offs |
| ,        | 4                | 3.4500 G                                                                                                        |              | .4300 (            |         |                           | 3.495062500                              |             |               | -20.08 d  |                                                                                                                 |          | 0      |
|          | 4                | 3.4300 0                                                                                                        | 112 3        | .3373 (            | JIIZ    | 1.000 10112               | 3.433002300                              | 0112 3.04   | o ubm         | -22.10 u  | 0                                                                                                               |          |        |
|          |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| •        |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
|          |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
| •        |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
|          |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |
|          |                  |                                                                                                                 |              |                    |         |                           |                                          |             |               |           |                                                                                                                 |          |        |

Plot 7-116. Lower ACP Plot (NR Band n77 - 70MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



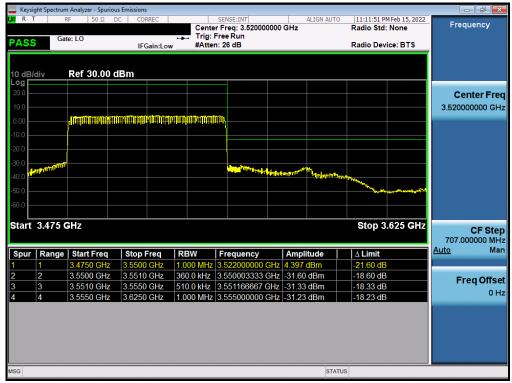
Plot 7-117. Upper ACP Plot (NR Band n77 - 70MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  | PCTEST<br>Pous to be part of the internet | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | ASUNG | Approved by:<br>Technical Manager |
|---------------------|-------------------------------------------|------------------------------------------------------------|-------|-----------------------------------|
| Test Report S/N:    | Test Dates:                               | EUT Type:                                                  |       | Daga 76 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022                      | Portable Handset                                           |       | Page 76 of 149                    |
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| ASS    |                                                                                                                | rF 50 Ω<br>te:LO                        |                                        | Trig:                                     | SENSE:INT<br>Freq: 3.4800000<br>Free Run           | ALIGN AUTO                                                                                                      | Radio Std                           |                | Frequency                   |
|--------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|-------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------|-----------------------------|
| A33    | <u> </u>                                                                                                       |                                         | IFGain:L                               | _ow #Atte                                 | n: 26 dB                                           |                                                                                                                 | Radio Dev                           | ice: BTS       |                             |
|        |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                |                             |
| 0 dB/  | /div                                                                                                           | Ref 30.00                               | dBm                                    |                                           |                                                    |                                                                                                                 |                                     |                |                             |
| .og 🔽  |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                |                             |
| 20.0   |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                | Center Fre                  |
| 10.0   |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                | 3.480000000 GI              |
| D.00   |                                                                                                                |                                         |                                        |                                           |                                                    | רי היידוף ייד <b>ו</b> ן (המתוארת היודויה)                                                                      |                                     |                |                             |
|        |                                                                                                                |                                         |                                        |                                           |                                                    | STATE THE STATE AND A STATE OF A S |                                     |                |                             |
| 10.0   |                                                                                                                |                                         |                                        |                                           | _                                                  |                                                                                                                 |                                     |                |                             |
| 20.0   |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                |                             |
| 30.0   |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                |                             |
|        |                                                                                                                |                                         |                                        | manjorgetelleter                          |                                                    |                                                                                                                 |                                     | Militarian and |                             |
| 40.0   |                                                                                                                | AND | Andrew Colors                          |                                           |                                                    |                                                                                                                 |                                     |                |                             |
| 50.0 🕂 | and a second | an ward                                 |                                        |                                           |                                                    |                                                                                                                 |                                     |                |                             |
| 50.0   |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                |                             |
|        |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                |                             |
|        | 3.375 G                                                                                                        | Hz                                      |                                        |                                           |                                                    |                                                                                                                 | Stop 3                              | .525 GHz       | CF Ste                      |
| lan    |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                | 707.000000 M                |
| an     |                                                                                                                |                                         |                                        |                                           |                                                    |                                                                                                                 |                                     |                |                             |
|        |                                                                                                                | Start Fred                              | Stop Fred                              | RBW                                       | Frequency                                          | Amplitude                                                                                                       |                                     |                | Auto Ma                     |
| Spur   | Range                                                                                                          |                                         | Stop Freq                              |                                           | Frequency                                          | Amplitude                                                                                                       | Δ Limit                             |                | <u>Auto</u> Ma              |
| Spur   | Range                                                                                                          | 3.3750 GHz                              | 3.4450 GHz                             | z 1.000 MHz                               | 3.444766667 G                                      | Iz -31.96 dBm                                                                                                   | -18.96 dB                           |                |                             |
| Spur   | Range<br>1<br>2                                                                                                | 3.3750 GHz<br>3.4450 GHz                | 3.4450 GHz<br>3.4490 GHz               | z <u>1.000 MHz</u><br>z 510.0 kHz         | 3.444766667 GI<br>3.447400000 GI                   | Hz -31.96 dBm<br>Hz -31.93 dBm                                                                                  | -18.96 dB<br>-18.93 dB              | 3              | Freq Offs                   |
| Spur   | Range 1 2 3                                                                                                    | 3.3750 GHz                              | 3.4450 GHz<br>3.4490 GHz<br>3.4500 GHz | z 1.000 MHz<br>z 510.0 kHz<br>z 360.0 kHz | 3.444766667 GI<br>3.447400000 GI<br>3.449935000 GI | Iz         -31.96 dBm           Iz         -31.93 dBm           Iz         -33.24 dBm                           | -18.96 dB<br>-18.93 dB<br>-20.24 dB | ;<br>;         | Auto Ma<br>Freq Offs<br>0 H |
| Spur   | Range 1 2 3                                                                                                    | 3.3750 GHz<br>3.4450 GHz<br>3.4490 GHz  | 3.4450 GHz<br>3.4490 GHz<br>3.4500 GHz | z 1.000 MHz<br>z 510.0 kHz<br>z 360.0 kHz | 3.444766667 GI<br>3.447400000 GI                   | Iz         -31.96 dBm           Iz         -31.93 dBm           Iz         -33.24 dBm                           | -18.96 dB<br>-18.93 dB              | ;<br>;         | Freq Offs                   |
| Spur   | Range 1 2 3                                                                                                    | 3.3750 GHz<br>3.4450 GHz<br>3.4490 GHz  | 3.4450 GHz<br>3.4490 GHz<br>3.4500 GHz | z 1.000 MHz<br>z 510.0 kHz<br>z 360.0 kHz | 3.444766667 GI<br>3.447400000 GI<br>3.449935000 GI | Iz         -31.96 dBm           Iz         -31.93 dBm           Iz         -33.24 dBm                           | -18.96 dB<br>-18.93 dB<br>-20.24 dB | ;<br>;         | Freq Offs                   |
| Spur   | Range 1 2 3                                                                                                    | 3.3750 GHz<br>3.4450 GHz<br>3.4490 GHz  | 3.4450 GHz<br>3.4490 GHz<br>3.4500 GHz | z 1.000 MHz<br>z 510.0 kHz<br>z 360.0 kHz | 3.444766667 GI<br>3.447400000 GI<br>3.449935000 GI | Iz         -31.96 dBm           Iz         -31.93 dBm           Iz         -33.24 dBm                           | -18.96 dB<br>-18.93 dB<br>-20.24 dB | ;<br>;         | Freq Offs                   |
| Spur   | Range 1 2 3                                                                                                    | 3.3750 GHz<br>3.4450 GHz<br>3.4490 GHz  | 3.4450 GHz<br>3.4490 GHz<br>3.4500 GHz | z 1.000 MHz<br>z 510.0 kHz<br>z 360.0 kHz | 3.444766667 GI<br>3.447400000 GI<br>3.449935000 GI | Iz         -31.96 dBm           Iz         -31.93 dBm           Iz         -33.24 dBm                           | -18.96 dB<br>-18.93 dB<br>-20.24 dB | ;<br>;         | Freq Offs                   |
| Spur   | Range 1 2 3                                                                                                    | 3.3750 GHz<br>3.4450 GHz<br>3.4490 GHz  | 3.4450 GHz<br>3.4490 GHz<br>3.4500 GHz | z 1.000 MHz<br>z 510.0 kHz<br>z 360.0 kHz | 3.444766667 GI<br>3.447400000 GI<br>3.449935000 GI | Iz         -31.96 dBm           Iz         -31.93 dBm           Iz         -33.24 dBm                           | -18.96 dB<br>-18.93 dB<br>-20.24 dB | ;<br>;         | Freq Offs                   |
| Spur   | Range 1 2 3                                                                                                    | 3.3750 GHz<br>3.4450 GHz<br>3.4490 GHz  | 3.4450 GHz<br>3.4490 GHz<br>3.4500 GHz | z 1.000 MHz<br>z 510.0 kHz<br>z 360.0 kHz | 3.444766667 GI<br>3.447400000 GI<br>3.449935000 GI | Iz         -31.96 dBm           Iz         -31.93 dBm           Iz         -33.24 dBm                           | -18.96 dB<br>-18.93 dB<br>-20.24 dB | ;<br>;         | Freq Offs                   |

Plot 7-118. Lower ACP Plot (NR Band n77 - 60MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



Plot 7-119. Upper ACP Plot (NR Band n77 - 60MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Daga 77 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 77 of 149                    |
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| R      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ₹ 50 Ω<br>te:LO | DC DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CORREC   | Trig       | SENSE:INT<br>ter Freq: 3.475000<br>: Free Run | ALIGN AUT     | Radio Std |              | Frequency               |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|-----------------------------------------------|---------------|-----------|--------------|-------------------------|
| ASS    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IFGain:L | ow #Att    | en: 26 dB                                     |               | Radio Dev | ice: BTS     |                         |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
| 0 dBi  | div                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ref 30.0        | 00 dBr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | n        |            |                                               |               |           |              |                         |
| .og    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
| 20.0   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              | Center Fre              |
| 10.0   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              | 3.475000000 Gi          |
| D.00 - |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
| 10.0   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
| 20.0   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
| 30.0   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | seen and   | mar a                                         |               |           | and a second |                         |
| 40.0   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A               | and the second s |          |            |                                               |               |           |              |                         |
| 50.0 州 | the state of the s | ~~~             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
| 50.0   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
| L      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           | 540 011-     |                         |
| an     | 3.388 (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | βĦΖ             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               | Stop 3    | .513 GHz     | CF Ste<br>707.000000 Mi |
| Spur   | Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Start Fre       | a S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | top Freg | RBW        | Frequency                                     | Amplitude     | ∆ Limit   |              | <u>Auto</u> Ma          |
|        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.3875 G        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4450 GHz |            | z 3.444904167 G                               |               | -20.90 dB | ;            |                         |
| )      | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.4450 GI       | Hz 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4490 GHz | 510.0 kHz  | 3.448900000 G                                 | Hz -31.36 dBm | -18.36 dB | ;            | Freq Offs               |
| ;      | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.4490 GI       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4500 GHz |            | 3.449001667 G                                 |               | -20.20 dB |              | 01                      |
| ļ      | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.4500 G        | Hz 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5125 GHz | 1.000 MH   | z 3.484687500 G                               | Hz 5.032 dBm  | -20.97 dB | ;            | 01                      |
|        | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.4300 01       | 12 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5123 OH2 | 1.000 With | 210.10100100010                               | 12 3.002 dbm  | -20.57 48 |              |                         |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |            |                                               |               |           |              |                         |

Plot 7-120. Lower ACP Plot (NR Band n77 - 50MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



Plot 7-121. Upper ACP Plot (NR Band n77 - 50MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Deep 70 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 78 of 149                    |
| © 2022 PCTEST       |                      |                                                            |         | V3.0 1/6/2022                     |



|                                             | RF<br>Gate: LO                        | 50 Ω DC                 | CORREC                              | Cent                                         | SENSE:INT<br>er Freq: 3.4700000<br>Free Run        | ALIGN AUTO                                                                            | 10:46:49 Pl<br>Radio Std:                      | M Feb 15, 2022<br>None | Frequency                                           |
|---------------------------------------------|---------------------------------------|-------------------------|-------------------------------------|----------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------|------------------------|-----------------------------------------------------|
| PASS                                        | Guid. EO                              |                         | IFGain:                             | Low #Atte                                    | n: 26 dB                                           |                                                                                       | Radio Dev                                      | ice: BTS               |                                                     |
|                                             |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| 0 dB/div                                    | Ref                                   | 30.00 d                 | Bm                                  |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| .og                                         |                                       | 00.00 a                 |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| 20.0                                        |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        | Center Fre                                          |
| 10.0                                        |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        | 3.47000000 GH                                       |
| 0.00                                        |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        | 0.47000000000                                       |
|                                             |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| 10.0                                        |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| 20.0                                        |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| 30.0                                        |                                       |                         |                                     |                                              |                                                    |                                                                                       | k                                              |                        |                                                     |
| 40.0                                        |                                       |                         | and the second                      | a second and a second as                     | ~~~                                                |                                                                                       |                                                | 141                    |                                                     |
|                                             |                                       | and a start             |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| 50.0                                        |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| 60.0                                        |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
|                                             |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
|                                             |                                       |                         |                                     |                                              |                                                    |                                                                                       |                                                |                        |                                                     |
| Start 3.4                                   | 4 GHz                                 |                         |                                     |                                              |                                                    |                                                                                       | Stop                                           | 3.5 GHz                | CF Ste<br>707.000000 Mi                             |
|                                             |                                       | Freq                    | Stop Free                           | RBW                                          | Frequency                                          | Amplitude                                                                             |                                                | 9 3.5 GHz              |                                                     |
|                                             | ange   Star                           | t Freq                  | Stop Frec                           |                                              | Frequency                                          | Amplitude                                                                             | Stop                                           |                        | 707.000000 MH                                       |
| Spur   Ra                                   | ange Start<br>3.400                   |                         |                                     | z 1.000 MHz                                  |                                                    | lz -31.25 dBm                                                                         | ∆ Limit                                        |                        | 707.000000 Mł<br><u>Auto</u> Ma                     |
| <b>Spur   Ra</b><br>1<br>2 2                | ange Start<br>3.400<br>3.445          | 0 GHz                   | 3.4450 GH                           | z 1.000 MHz<br>z 510.0 kHz                   | 3.445000000 GH                                     | Iz         -31.25 dBm           Iz         -31.86 dBm                                 | Δ Limit<br>-18.25 dB                           |                        | 707.000000 Mł<br><u>Auto</u> Ma<br><b>Freq Offs</b> |
| <b>Spur   R</b> a<br>1 2 2<br>3 3           | ange Starf<br>3.400<br>3.445<br>3.449 | IO GHz<br>IO GHz        | 3.4450 GH<br>3.4490 GH              | Iz 1.000 MHz<br>Iz 510.0 kHz<br>Iz 360.0 kHz | 3.445000000 GH<br>3.448853333 GH                   | Iz         -31.25 dBm           Iz         -31.86 dBm           Iz         -32.44 dBm | ∆ Limit<br>-18.25 dB<br>-18.86 dB              |                        | 707.000000 Mł<br><u>Auto</u> Ma                     |
| <b>Spur   R</b> a<br>1 1<br>2 2<br>3 3      | ange Starf<br>3.400<br>3.445<br>3.449 | 0 GHz<br>0 GHz<br>0 GHz | 3.4450 GH<br>3.4490 GH<br>3.4500 GH | Iz 1.000 MHz<br>Iz 510.0 kHz<br>Iz 360.0 kHz | 3.445000000 GH<br>3.448853333 GH<br>3.449991667 GH | Iz         -31.25 dBm           Iz         -31.86 dBm           Iz         -32.44 dBm | ∆ Limit<br>-18.25 dB<br>-18.86 dB<br>-19.44 dB |                        | 707.000000 Mł<br><u>Auto</u> Ma<br><b>Freq Offs</b> |
| <b>Spur   R</b> a<br><b>1</b><br>2 2<br>3 3 | ange Starf<br>3.400<br>3.445<br>3.449 | 0 GHz<br>0 GHz<br>0 GHz | 3.4450 GH<br>3.4490 GH<br>3.4500 GH | Iz 1.000 MHz<br>Iz 510.0 kHz<br>Iz 360.0 kHz | 3.445000000 GH<br>3.448853333 GH<br>3.449991667 GH | Iz         -31.25 dBm           Iz         -31.86 dBm           Iz         -32.44 dBm | ∆ Limit<br>-18.25 dB<br>-18.86 dB<br>-19.44 dB |                        | 707.000000 Mł<br><u>Auto</u> Ma<br><b>Freq Offs</b> |
| <b>Spur   R</b> a<br>1 1<br>2 2<br>3 3      | ange Starf<br>3.400<br>3.445<br>3.449 | 0 GHz<br>0 GHz<br>0 GHz | 3.4450 GH<br>3.4490 GH<br>3.4500 GH | Iz 1.000 MHz<br>Iz 510.0 kHz<br>Iz 360.0 kHz | 3.445000000 GH<br>3.448853333 GH<br>3.449991667 GH | Iz         -31.25 dBm           Iz         -31.86 dBm           Iz         -32.44 dBm | ∆ Limit<br>-18.25 dB<br>-18.86 dB<br>-19.44 dB |                        | 707.000000 Mł<br><u>Auto</u> Ma<br><b>Freq Offs</b> |
| <b>Spur   R</b> a<br><b>1</b><br>2 2<br>3 3 | ange Starf<br>3.400<br>3.445<br>3.449 | 0 GHz<br>0 GHz<br>0 GHz | 3.4450 GH<br>3.4490 GH<br>3.4500 GH | Iz 1.000 MHz<br>Iz 510.0 kHz<br>Iz 360.0 kHz | 3.445000000 GH<br>3.448853333 GH<br>3.449991667 GH | Iz         -31.25 dBm           Iz         -31.86 dBm           Iz         -32.44 dBm | ∆ Limit<br>-18.25 dB<br>-18.86 dB<br>-19.44 dB |                        | 707.000000 Mi<br><u>Auto</u> Mi<br><b>Freq Offs</b> |
| <b>Spur   R</b> a<br>1<br>2 2<br>3 3        | ange Starf<br>3.400<br>3.445<br>3.449 | 0 GHz<br>0 GHz<br>0 GHz | 3.4450 GH<br>3.4490 GH<br>3.4500 GH | Iz 1.000 MHz<br>Iz 510.0 kHz<br>Iz 360.0 kHz | 3.445000000 GH<br>3.448853333 GH<br>3.449991667 GH | Iz         -31.25 dBm           Iz         -31.86 dBm           Iz         -32.44 dBm | ∆ Limit<br>-18.25 dB<br>-18.86 dB<br>-19.44 dB |                        | 707.000000 Mi<br><u>Auto</u> Mi<br><b>Freq Offs</b> |

Plot 7-122. Lower ACP Plot (NR Band n77 - 40MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



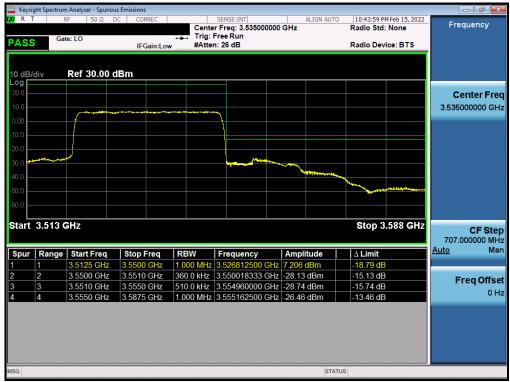
Plot 7-123. Upper ACP Plot (NR Band n77 - 40MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMBUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Daga 70 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 79 of 149                    |
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| URT             | RF 50 Ω                                  | DC CORREC                  |                                     | SENSE:INT<br>Freq: 3.46500000<br>Free Run | ALIGN AUTO<br>) GHz                    | 10:39:57 PM Fe<br>Radio Std: No |                            | Frequency              |
|-----------------|------------------------------------------|----------------------------|-------------------------------------|-------------------------------------------|----------------------------------------|---------------------------------|----------------------------|------------------------|
| ASS             | Guie. EO                                 | IFGain:Lov                 | w #Atte                             | n: 26 dB                                  |                                        | Radio Device                    | : BTS                      |                        |
|                 |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
| 0.1D/10         | Dof 20.00                                | dBm                        |                                     |                                           |                                        |                                 |                            |                        |
| 0 dB/div<br>.og | Ref 30.00                                | авти                       |                                     |                                           |                                        |                                 |                            |                        |
| 20.0            |                                          |                            |                                     |                                           |                                        |                                 |                            | Center Fre             |
|                 |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
| 10.0            |                                          |                            |                                     |                                           |                                        |                                 |                            | 3.465000000 GI         |
| ).00            |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
| 0.0             |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
| 0.0             |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
|                 |                                          |                            |                                     |                                           |                                        | how we have                     |                            |                        |
| 30.0            |                                          |                            | and the second second               |                                           |                                        |                                 | A DESCRIPTION OF THE OWNER |                        |
| 10.0            | Hand and and and and and and and and and | A CONTRACTOR OF THE OWNER. |                                     |                                           |                                        |                                 |                            |                        |
| 50.0            |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
| 50.0            |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
| 5U.U            |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
| start 3.4       | 13 GHz                                   |                            |                                     |                                           |                                        | Stop 3.48                       | 88 GH7                     |                        |
|                 |                                          |                            |                                     |                                           |                                        | 0100 0.41                       |                            | CF Ste<br>707.000000 M |
|                 |                                          |                            |                                     |                                           |                                        |                                 |                            |                        |
| Spur   Rai      | nge   Start Freg                         | Stop Freg                  | RBW                                 | Frequency                                 | Amplitude                              | A Limit                         | <u>A</u>                   |                        |
|                 |                                          | Stop Freq                  | RBW                                 | Frequency                                 | Amplitude                              | Δ Limit                         | A                          |                        |
| 1               | 3.4125 GHz                               | 3.4450 GHz                 | 1.000 MHz                           | 3.437091667 GHz                           | -28.39 dBm                             | -15.39 dB                       |                            | <u>uto</u> M           |
| 1<br>2 2        | 3.4125 GHz<br>3.4450 GHz                 | 3.4450 GHz<br>3.4490 GHz   | 1.000 MHz<br>510.0 kHz              | 3.437091667 GHz<br>3.448960000 GHz        | -28.39 dBm<br>-27.58 dBm               | -15.39 dB<br>-14.58 dB          |                            | <u>uto</u> M           |
| 1               | 3.4125 GHz                               | 3.4450 GHz                 | 1.000 MHz<br>510.0 kHz<br>360.0 kHz | 3.437091667 GHz                           | -28.39 dBm<br>-27.58 dBm<br>-26.53 dBm | -15.39 dB                       |                            |                        |

Plot 7-124. Lower ACP Plot (NR Band n77 - 30MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



Plot 7-125. Upper ACP Plot (NR Band n77 - 30MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMSUNS | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Dago 90 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 80 of 149                    |
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| 0 dB/div<br>og                 | Ref 30.00         | IFGain:Lo    |           | n: 26 dB        |            | Radio Device: BTS | -                            |
|--------------------------------|-------------------|--------------|-----------|-----------------|------------|-------------------|------------------------------|
|                                |                   |              |           |                 |            |                   |                              |
| 10.0                           |                   |              |           |                 |            |                   | Center Fre<br>3.460000000 Gł |
| 0.00                           |                   |              |           |                 |            |                   |                              |
| 30.0<br>30.0<br>40.0           |                   |              | ~~~       | ~~              |            |                   |                              |
| 50.0 <b>مىلىدىنىيە</b><br>50.0 |                   |              |           |                 |            |                   |                              |
| itart 3.4                      | 25 GHz            |              |           |                 |            | Stop 3.475 GHz    | CF Ste<br>707.000000 Mi      |
| Spur   Ra                      | ange   Start Freq | Stop Freq    | RBW       | Frequency       | Amplitude  | ∆ Limit           | Auto Ma                      |
| 1                              | 3.4250 GHz        | z 3.4450 GHz | 1.000 MHz | 3.442466667 GHz | -28.23 dBm | -15.23 dB         |                              |
| 2                              | 3.4450 GHz        | z 3.4490 GHz |           | 3.448960000 GHz |            | -16.46 dB         | Freq Offs                    |
| 3                              | 3.4490 GHz        |              |           | 3.449905000 GHz |            | -14.75 dB         | 0                            |
| 4                              | 3.4500 GHz        | z 3.4750 GHz | 1 000 MHz | 3.463750000 GHz | 0.603 dBm  | -16.40 dB         | 01                           |

Plot 7-126. Lower ACP Plot (NR Band n77 - 20MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)



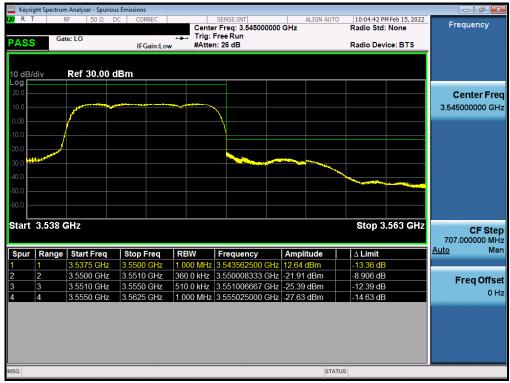
Plot 7-127. Upper ACP Plot (NR Band n77 - 20MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

| FCC ID: A3LSMS901E  |                      | PART 27 MEASUREMENT REPORT<br>(CLASS II PERMISSIVE CHANGE) | SAMBUNG | Approved by:<br>Technical Manager |
|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | Dogo 91 of 140                    |
| 1M2202030012-03.A3L | 2/1/2022 - 2/28/2022 | Portable Handset                                           |         | Page 81 of 149                    |
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| RT            |                                                                                                                 | ¥F 50 Ω    | DC    | CORREC     |     | SENSE:INT<br>Freq: 3.45500<br>Free Run | 0000 GHz | ALIGN AUTO | 10:01:19 P<br>Radio Std | M Feb 15, 2022<br>None | Frequency          |
|---------------|-----------------------------------------------------------------------------------------------------------------|------------|-------|------------|-----|----------------------------------------|----------|------------|-------------------------|------------------------|--------------------|
| ASS           | Ga                                                                                                              | le: LO     |       | IFGain:Low |     | n: 26 dB                               |          |            | Radio Dev               | ice: BTS               |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
| 0 dB/<br>og 🔽 | div                                                                                                             | Ref 30.0   | 0 dBm |            |     |                                        |          |            |                         |                        |                    |
| 20.0          |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        | Contor             |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        | Center F           |
| 0.0           |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        | 3.455000000        |
| .00           |                                                                                                                 |            |       |            |     |                                        |          |            | \                       |                        |                    |
| 0.0           |                                                                                                                 |            |       |            |     |                                        |          |            | _                       |                        |                    |
| 0.0           |                                                                                                                 |            |       |            |     |                                        |          |            |                         | ۱.                     |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         | Complementer of        |                    |
| 0.0           |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
| 0.0 🗮         | and the state of the |            |       |            |     |                                        |          |            |                         |                        |                    |
| 0.0           |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
| 0.0           |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
| 0.0           |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
| tart          | 3.438 (                                                                                                         | H7         |       |            |     |                                        |          |            | Stop 3                  | .463 GHz               |                    |
| -cui c        | 01100 1                                                                                                         |            |       |            |     |                                        |          |            | ecop o                  |                        | CF S<br>707.000000 |
| Spur          | Range                                                                                                           | Start Free | ı İst | op Freq    | RBW | Frequency                              | Am       | plitude    | ∆ Limit                 |                        | <u>Auto</u>        |
| pui           | 1                                                                                                               | 3.4375 GH  |       | 450 GHz    |     | 3.444962500                            |          |            | -16.91 dE               |                        |                    |
|               | 2                                                                                                               | 3.4450 GH  |       | 490 GHz    |     | 3.448553333                            |          |            | -12.88 dB               |                        |                    |
|               | 3                                                                                                               | 3.4490 GH  |       | 500 GHz    |     | 3.449943333                            |          |            | -11.25 dB               |                        | Freq Of            |
|               | 4                                                                                                               | 3.4500 GH  |       | 625 GHz    |     | 3.455104167                            |          |            | -13.93 dB               |                        |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |
|               |                                                                                                                 |            |       |            |     |                                        |          |            |                         |                        |                    |

Plot 7-128. Lower ACP Plot (NR Band n77 - 10MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

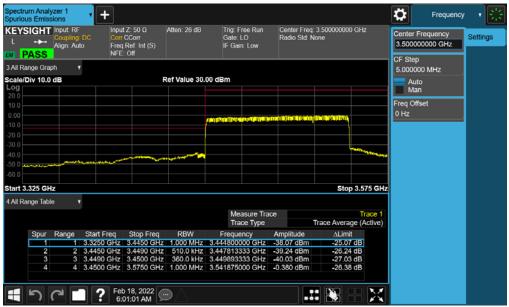


Plot 7-129. Upper ACP Plot (NR Band n77 - 10MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant G - SRS 1)

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## NR Band n77 – DoD-Band - Ant C - SRS 2



Plot 7-130. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant C - SRS 2)

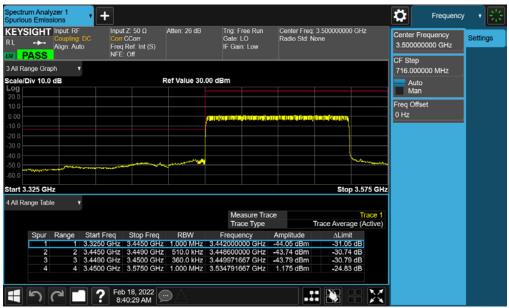


Plot 7-131. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant C - SRS 2)

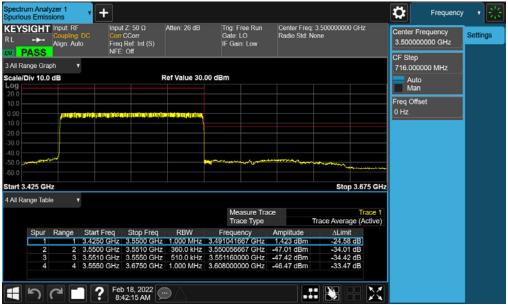
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# NR Band n77 – DoD-Band - Ant H - SRS 3



Plot 7-132. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant H - SRS 3)

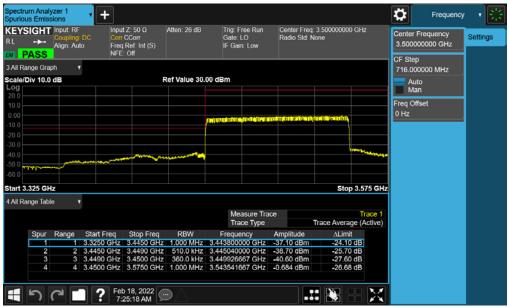


Plot 7-133. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant H - SRS 3)

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## NR Band n77 – DoD-Band - Ant D - SRS 4



Plot 7-134. Lower ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant D - SRS 4)



Plot 7-135. Upper ACP Plot (NR Band n77 - 100MHz CP-OFDM-QPSK - Full RB - DoD-Band - Ant D - SRS 4)

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### Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

#### Test Procedure Used

KDB 971168 D01 v03r01 - Section 5.7.1

### Test Settings

- 1. The signal analyzer's CCDF measurement profile is enabled
- 2. Frequency = carrier center frequency
- 3. Measurement BW ≥ OBW or specified reference bandwidth
- 4. The signal analyzer was set to collect one million samples to generate the CCDF curve
- 5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

#### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-5. Test Instrument & Measurement Setup

### Test Notes

None.

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# NR Band n77- C-Band - Ant G - SRS 1



Plot 7-136. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-137. PAR Plot (NR Band n77 - 100MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)

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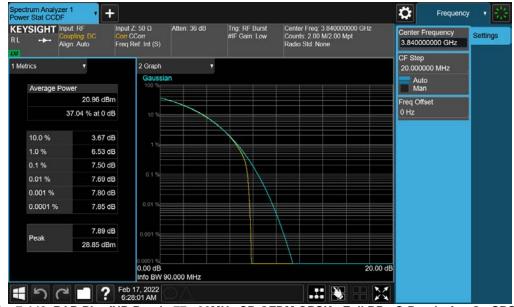
Plot 7-138. PAR Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)



Plot 7-139. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)

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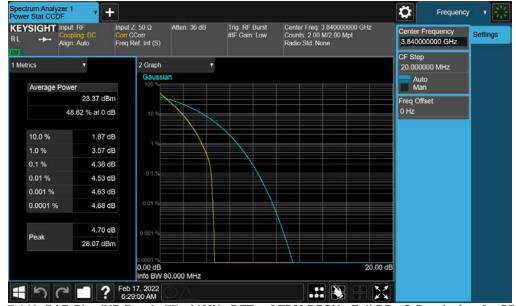
Plot 7-140. PAR Plot (NR Band n77 - 90MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-141. PAR Plot (NR Band n77 - 90MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-142. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-143. PAR Plot (NR Band n77 - 80MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-144. PAR Plot (NR Band n77 - 80MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)



Plot 7-145. PAR Plot (NR Band n77 - 70MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-146. PAR Plot (NR Band n77 - 70MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-147. PAR Plot (NR Band n77 - 70MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-148. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-149. PAR Plot (NR Band n77 - 60MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-150. PAR Plot (NR Band n77 - 60MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)



Plot 7-151. PAR Plot (NR Band n77 - 50MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)

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| Test Report S/N:    | Test Dates:          | EUT Type:                                                  |         | De 22 04 26 4 40                  |
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Plot 7-152. PAR Plot (NR Band n77 - 50MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-153. PAR Plot (NR Band n77 - 50MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-154. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-155. PAR Plot (NR Band n77 - 40MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-156. PAR Plot (NR Band n77 - 40MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)



Plot 7-157. PAR Plot (NR Band n77 - 30MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)

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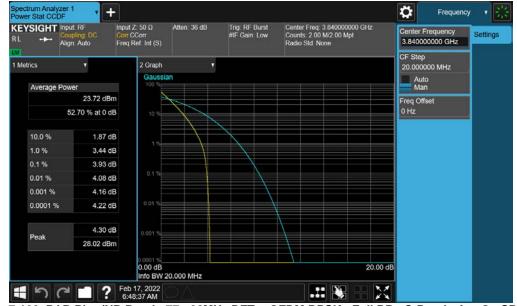
Plot 7-158. PAR Plot (NR Band n77 - 30MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-159. PAR Plot (NR Band n77 - 30MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-160. PAR Plot (NR Band n77 - 20MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-161. PAR Plot (NR Band n77 - 20MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-162. PAR Plot (NR Band n77 - 20MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)



Plot 7-163. PAR Plot (NR Band n77 - 15MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)

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Plot 7-164. PAR Plot (NR Band n77 - 15MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)





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Plot 7-166. PAR Plot (NR Band n77 - 10MHz DFT-s-OFDM BPSK - Full RB- C-Band - Ant G - SRS 1)



Plot 7-167. PAR Plot (NR Band n77 - 10MHz CP-OFDM QPSK - Full RB- C-Band - Ant G - SRS 1)

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| Spectrum Analyzer<br>Power Stat CCDF | ' <b>+</b> +                |                                      |              |                                 |                                                                           | ₿                                   | Frequency |
|--------------------------------------|-----------------------------|--------------------------------------|--------------|---------------------------------|---------------------------------------------------------------------------|-------------------------------------|-----------|
| Alig                                 | pling DC Con                | t Ζ: 50 Ω<br>CCorr<br>  Ref: Int (S) | Atten: 36 dB | Trig: RF Burst<br>#IF Gain: Low | Center Freq: 3.840000000 Gi<br>Counts: 2.00 M/2.00 Mpt<br>Radio Std: None | Hz Center Free<br>3.8400000         |           |
| 1 Metrics<br>Average Pow             | ۲<br>er                     | 2 Graph<br>Gaussia                   | n            |                                 |                                                                           | CF Step<br>20.000000<br>Auto<br>Man | MHz       |
|                                      | 14.71 dBm<br>0.04 % at 0 dB | 10 %                                 | $\checkmark$ |                                 |                                                                           | Freq Offset<br>0 Hz                 |           |
| 10.0 %<br>1.0 %                      | 5.10 dB<br>9.06 dB          | 1 %                                  |              |                                 |                                                                           |                                     |           |
| 0.1 %                                | 10.94 dB                    | 0.1 %                                |              |                                 |                                                                           |                                     |           |
| 0.01 %<br>0.001 %                    | 12.24 dB<br>13.14 dB        |                                      |              |                                 |                                                                           |                                     |           |
| 0.0001 %                             | 13.20 dB                    | 0.01 %                               |              |                                 |                                                                           |                                     |           |
| Peak                                 | 13.33 dB<br>28.04 dBm       | 0.001 %                              |              |                                 |                                                                           |                                     |           |

Plot 7-168. PAR Plot (NR Band n77 - 10MHz CP-OFDM 256-QAM - Full RB- C-Band - Ant G - SRS 1)

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## NR Band n77– DoD-Band - Ant G - SRS 1



Plot 7-169. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM BPSK - Full RB- DoD-Band - Ant G - SRS 1)



Plot 7-170. PAR Plot (NR Band n77 - 100MHz CP-OFDM QPSK - Full RB- DoD-Band - Ant G - SRS 1)

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Plot 7-171. PAR Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - Full RB- DoD-Band - Ant G - SRS 1)



Plot 7-172. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM BPSK - Full RB- DoD-Band - Ant G - SRS 1)

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|---------------------|----------------------------------------|------------------------------------------------------------|---------|-----------------------------------|
| Test Report S/N:    | Test Dates:                            | EUT Type:                                                  |         | Dage 105 of 140                   |
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Plot 7-173. PAR Plot (NR Band n77 - 90MHz CP-OFDM QPSK - Full RB- DoD-Band - Ant G - SRS 1)



Plot 7-174. PAR Plot (NR Band n77 - 90MHz CP-OFDM 256-QAM - Full RB- DoD-Band - Ant G - SRS 1)

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|---------------------|----------------------|------------------------------------------------------------|---------|-----------------------------------|
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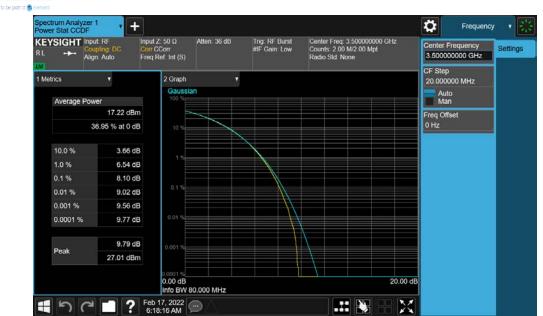
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Plot 7-175. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM BPSK - Full RB- DoD-Band - Ant G - SRS 1)



Plot 7-176. PAR Plot (NR Band n77 - 80MHz CP-OFDM QPSK - Full RB- DoD-Band - Ant G - SRS 1)

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Plot 7-177. PAR Plot (NR Band n77 - 80MHz CP-OFDM 256-QAM - Full RB- DoD-Band - Ant G - SRS 1)



Plot 7-178. PAR Plot (NR Band n77 - 70MHz DFT-s-OFDM BPSK - Full RB- DoD-Band - Ant G - SRS 1)

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