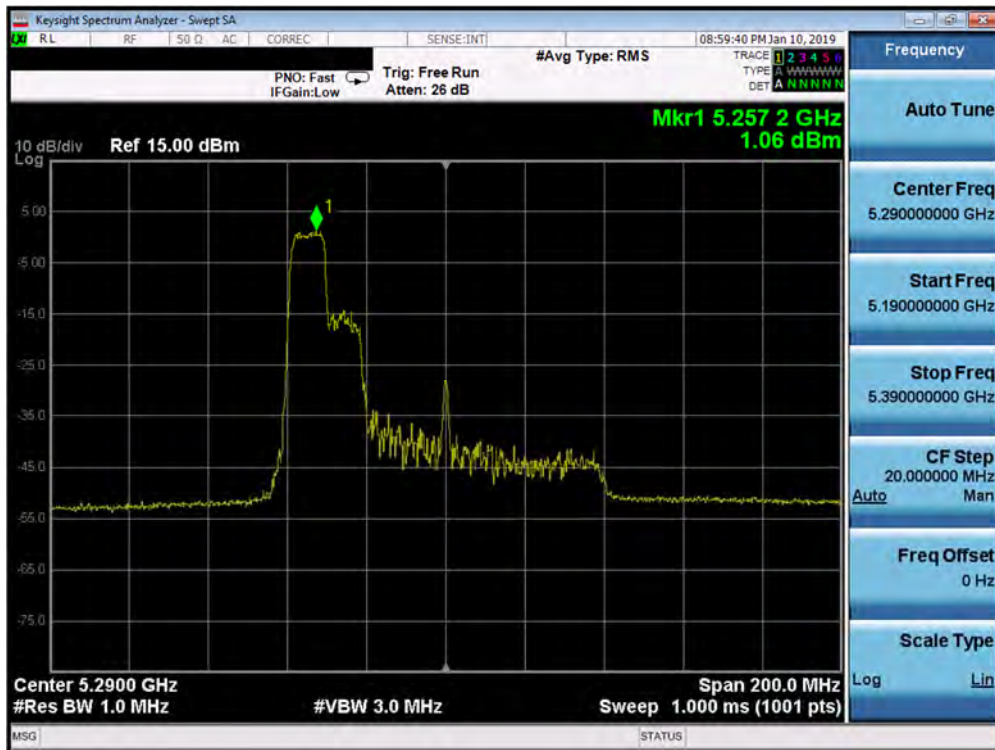


Plot 7-431. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 106 Tones (UNII Band 2A) – Ch. 62)

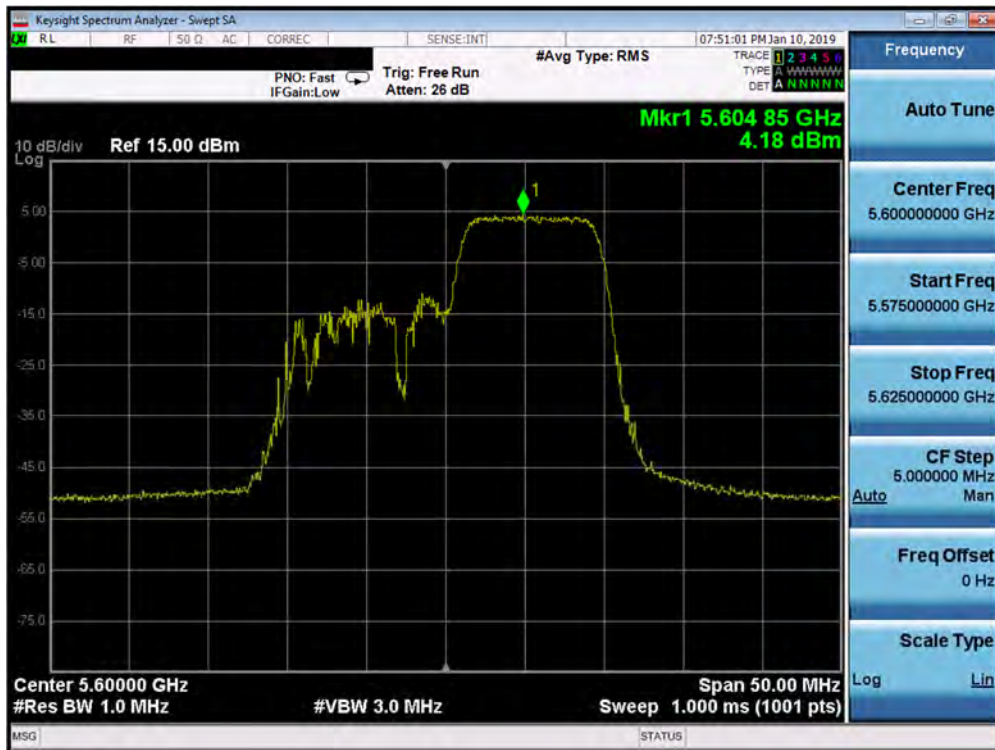


Plot 7-432. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 106 Tones (UNII Band 2A) – Ch. 58)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 298 of 516 |



Plot 7-433. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 100)

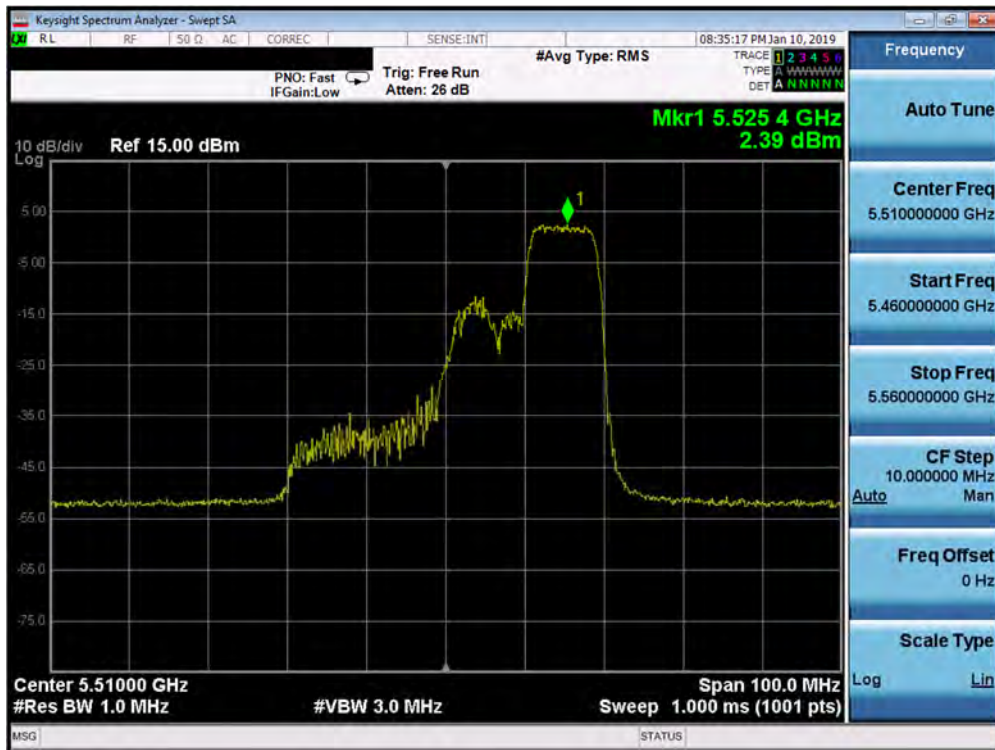


Plot 7-434. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 120)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 299 of 516 |

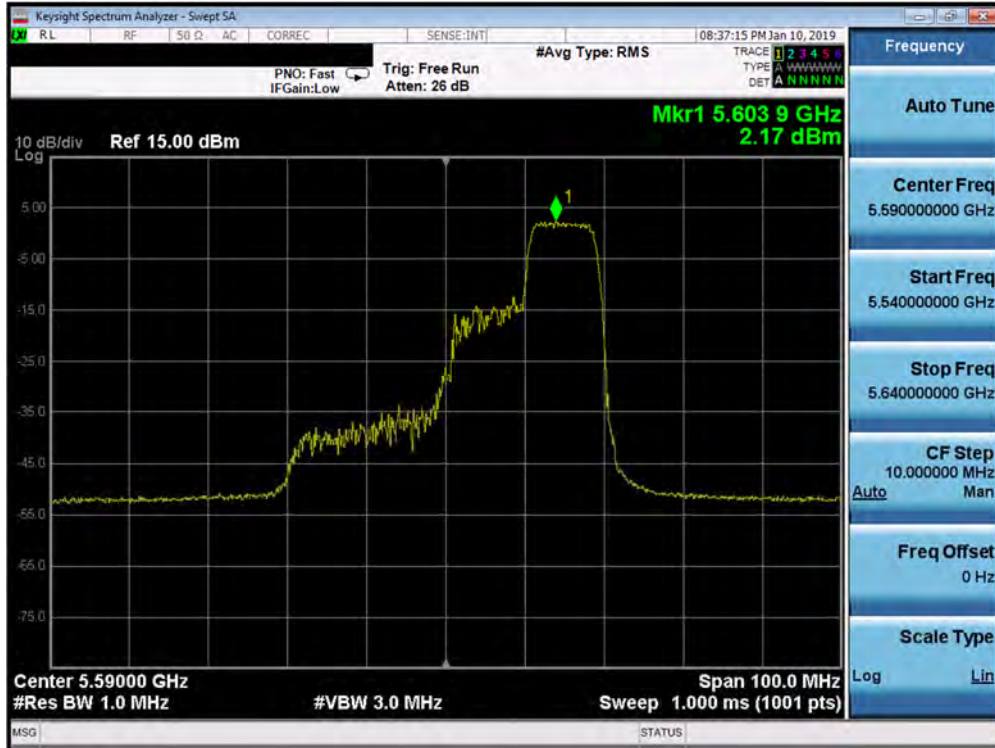


Plot 7-435. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 144)

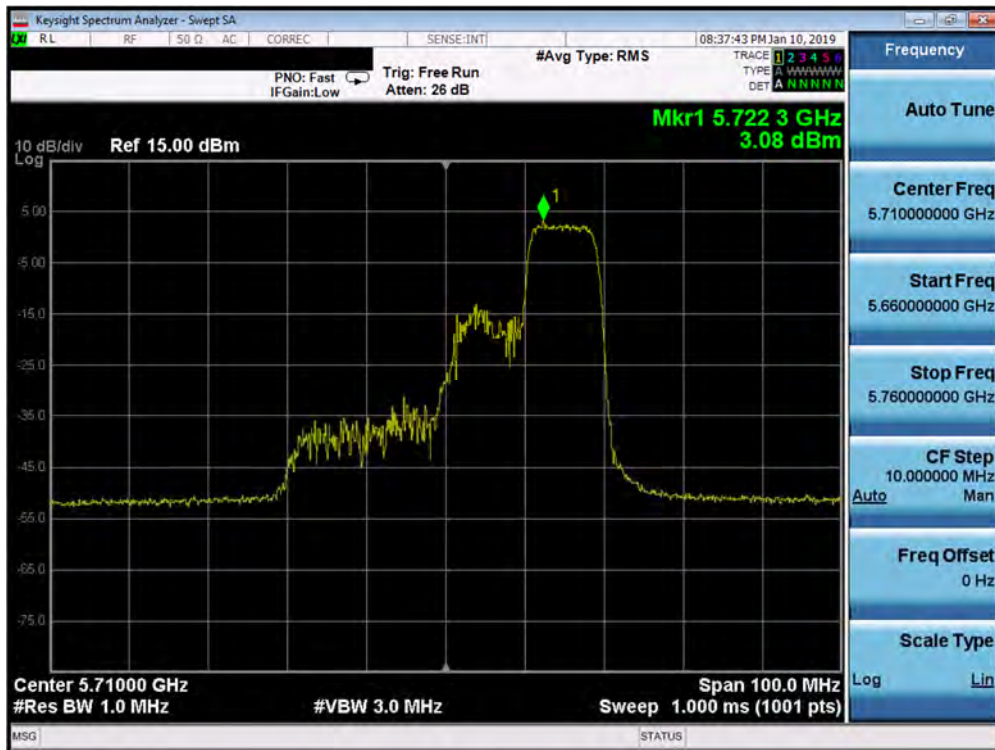


Plot 7-436. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 102)

| | | | | |
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| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 300 of 516 |

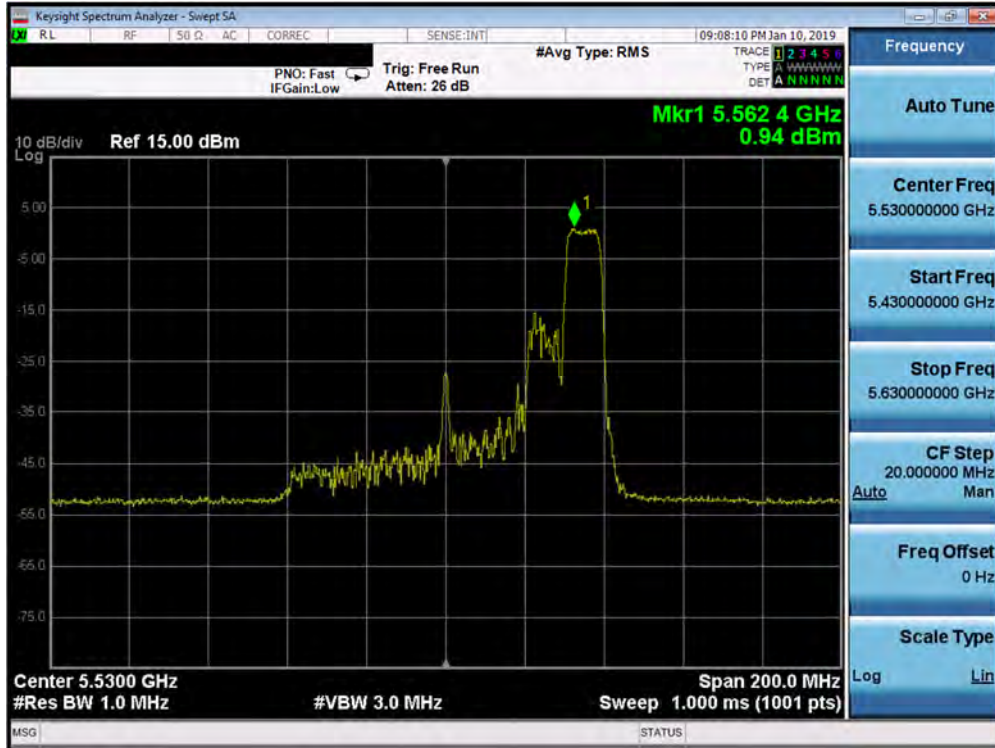


Plot 7-437. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 118)

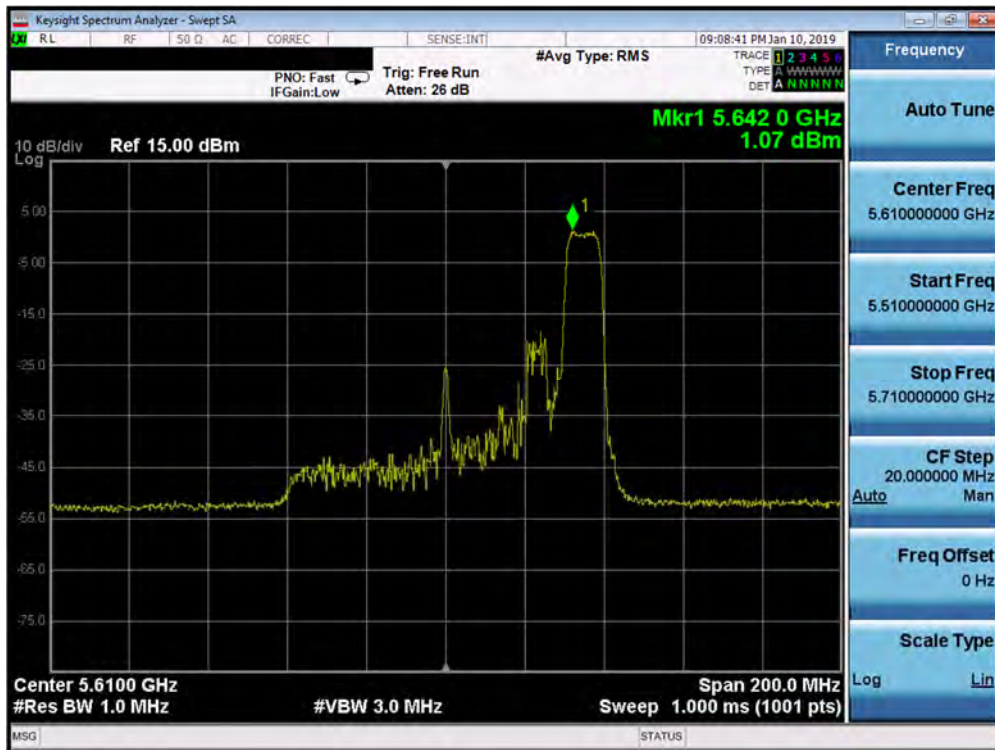


Plot 7-438. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 142)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 301 of 516 |

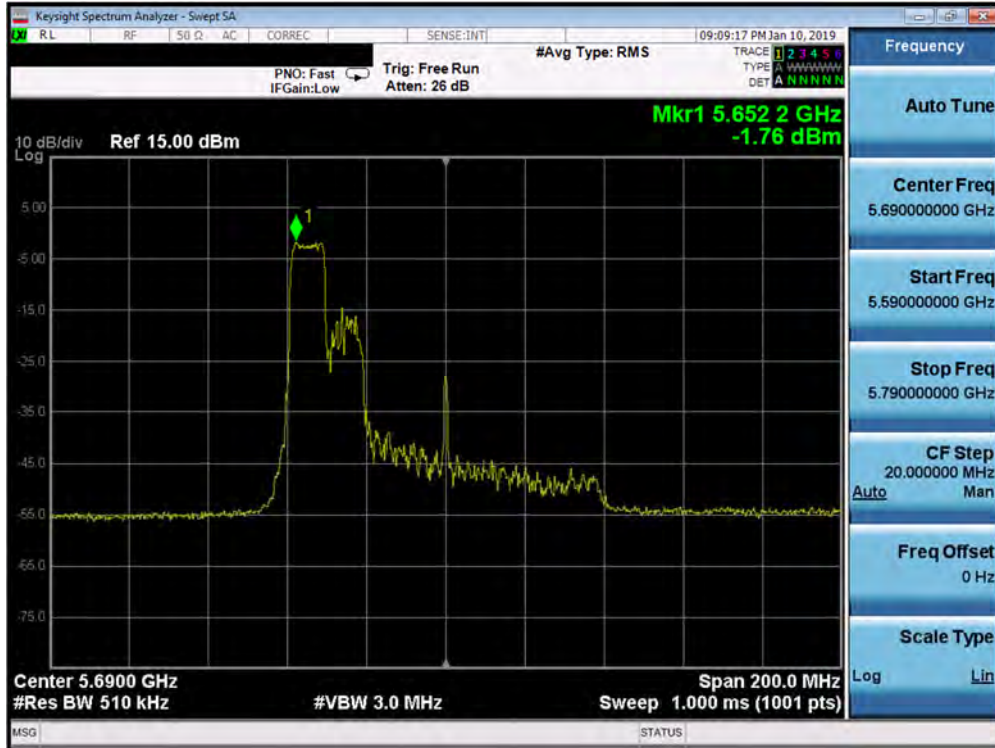


Plot 7-439. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 106)

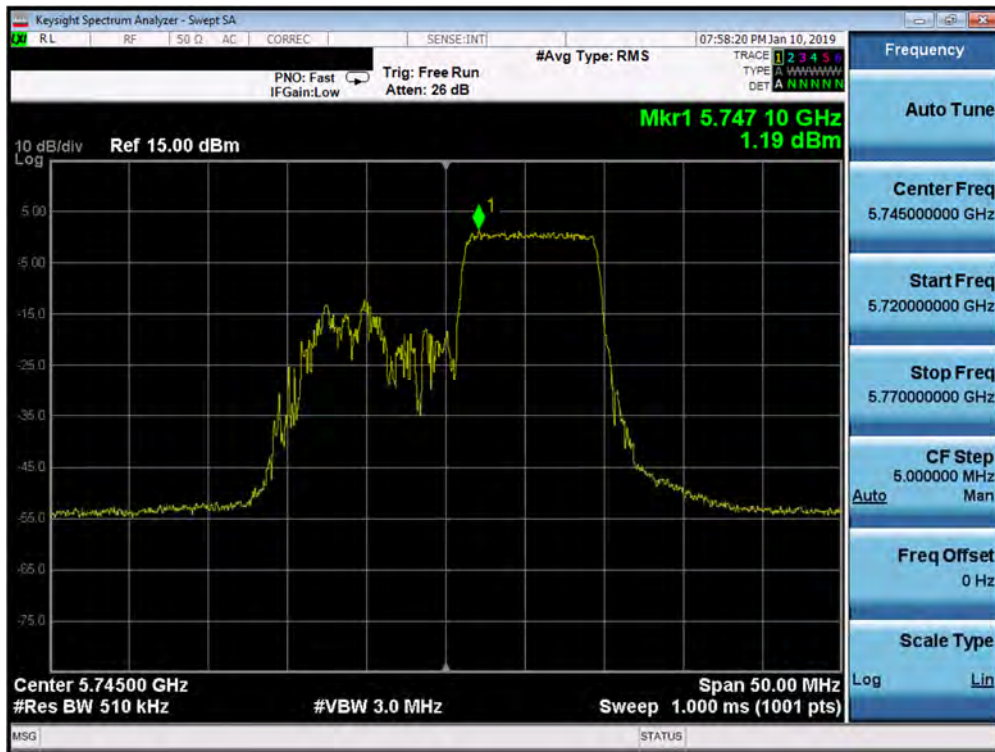


Plot 7-440. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 122)

| | | | | |
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| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 302 of 516 |



Plot 7-441. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 138)

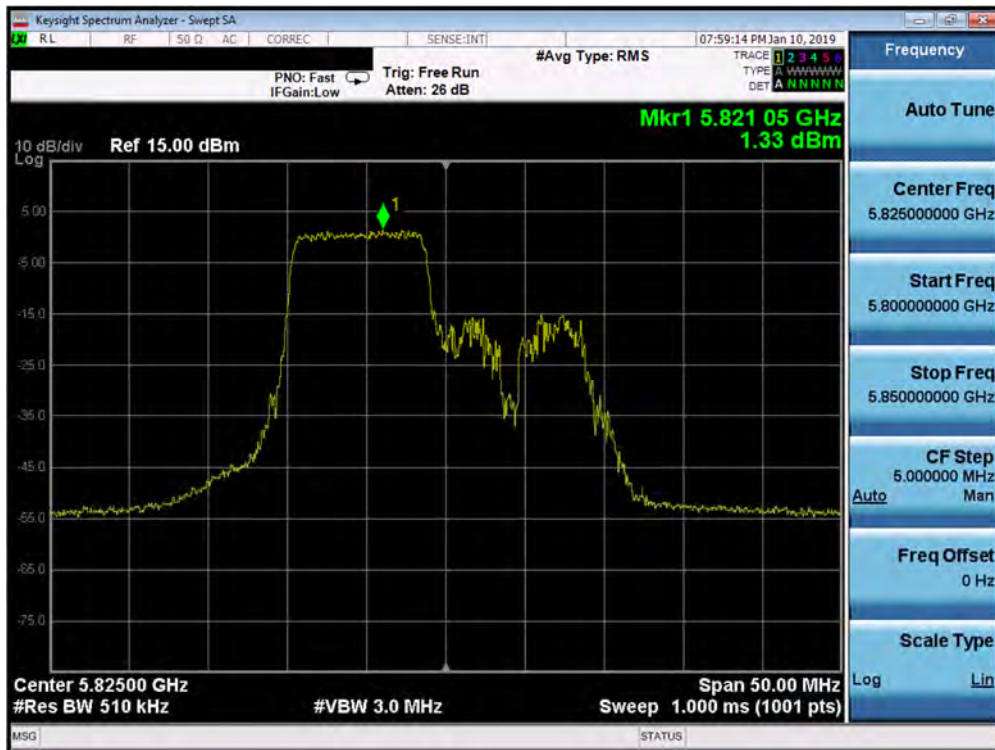


Plot 7-442. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 149)

| | | | | |
|---|--|---------------------------------------|---------|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 303 of 516 |

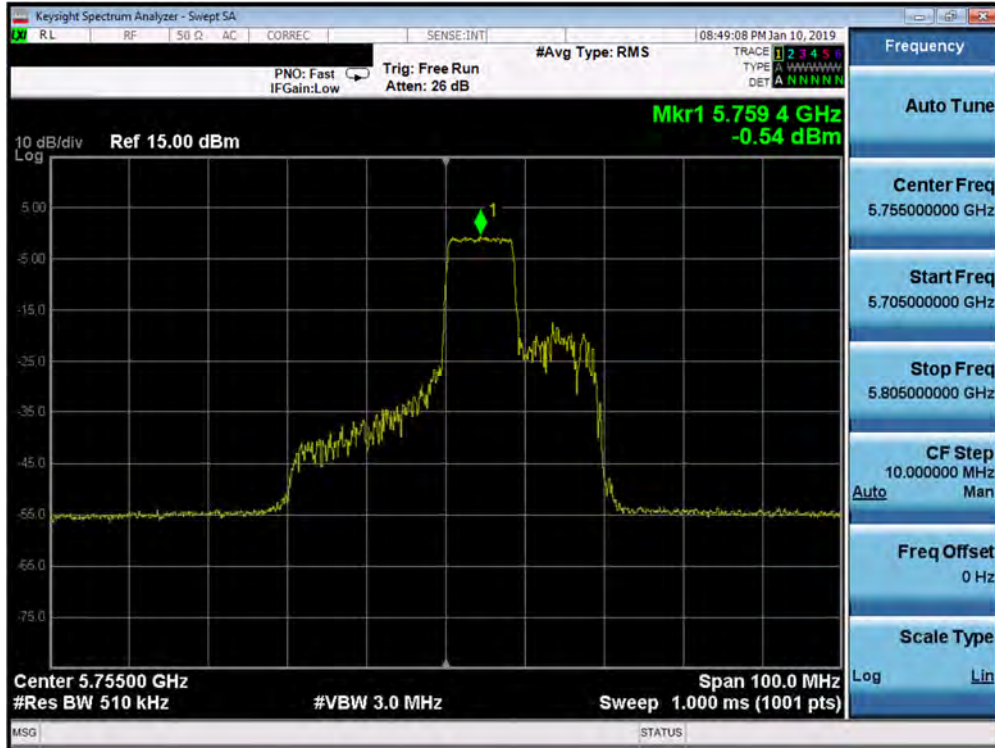


Plot 7-443. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 157)

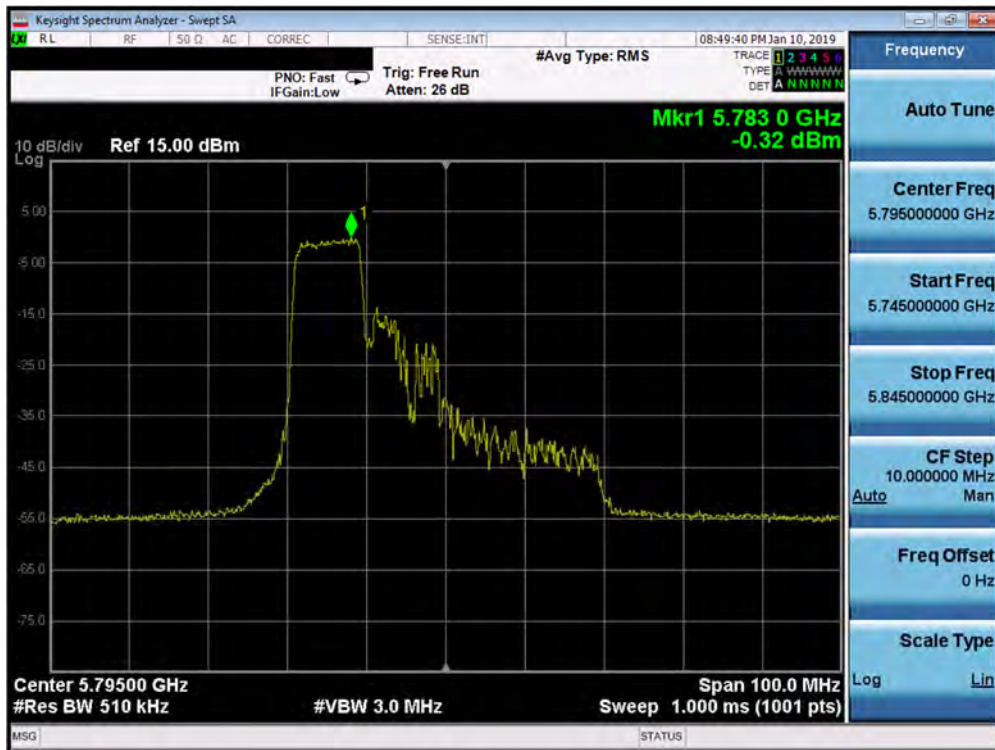


Plot 7-444. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 165)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 304 of 516 |

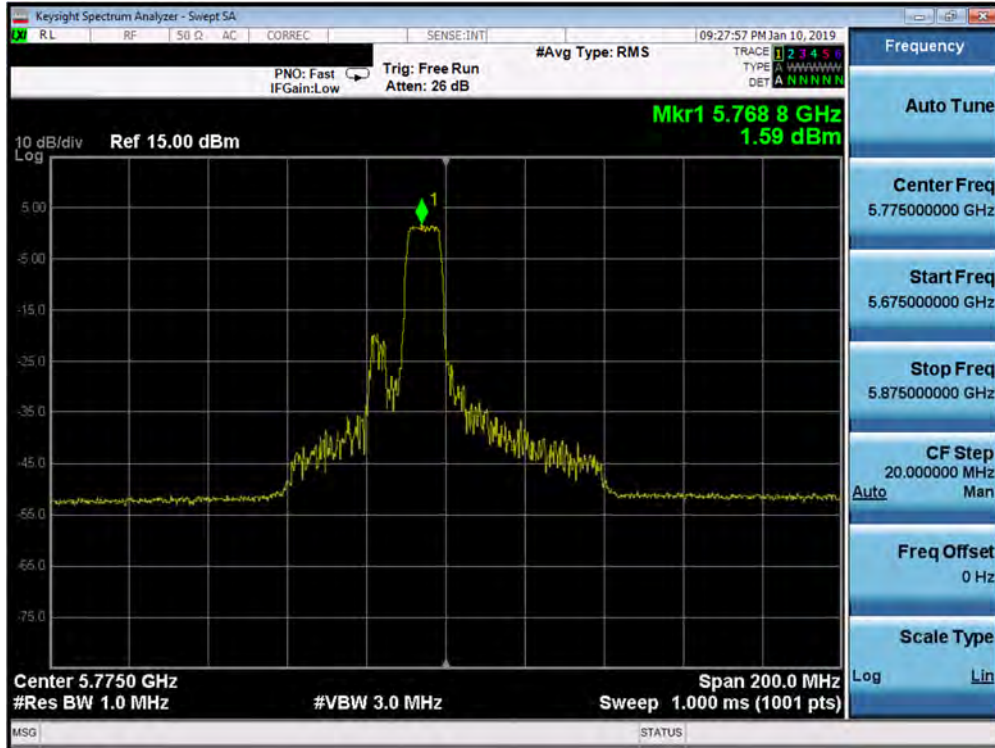


Plot 7-445. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 151)

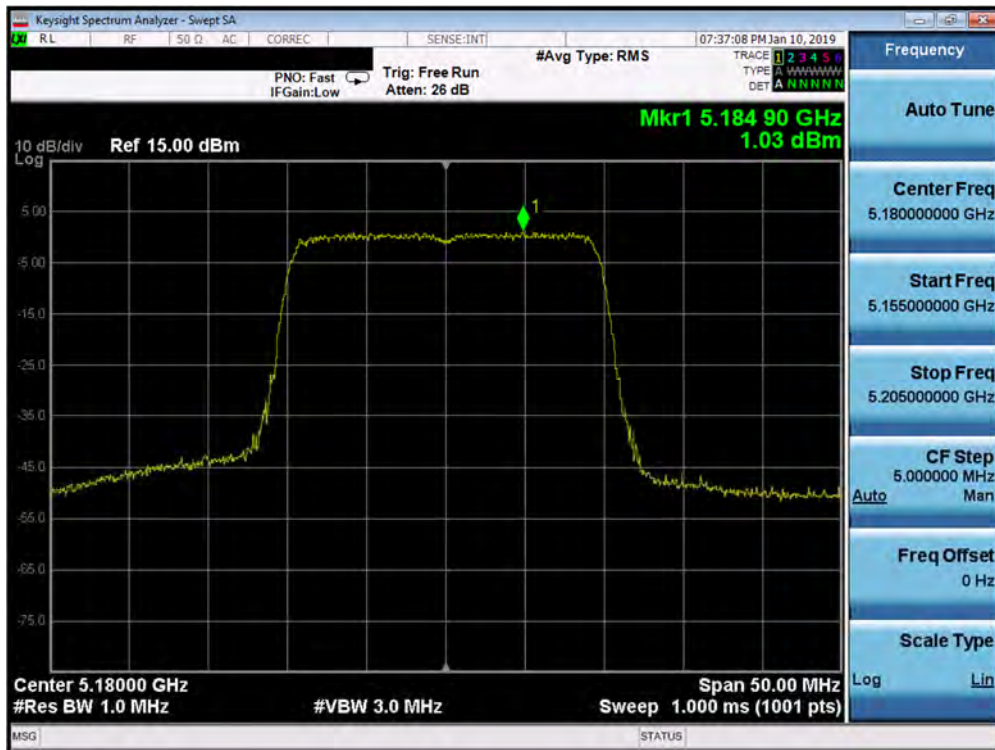


Plot 7-446. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 159)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 305 of 516 |

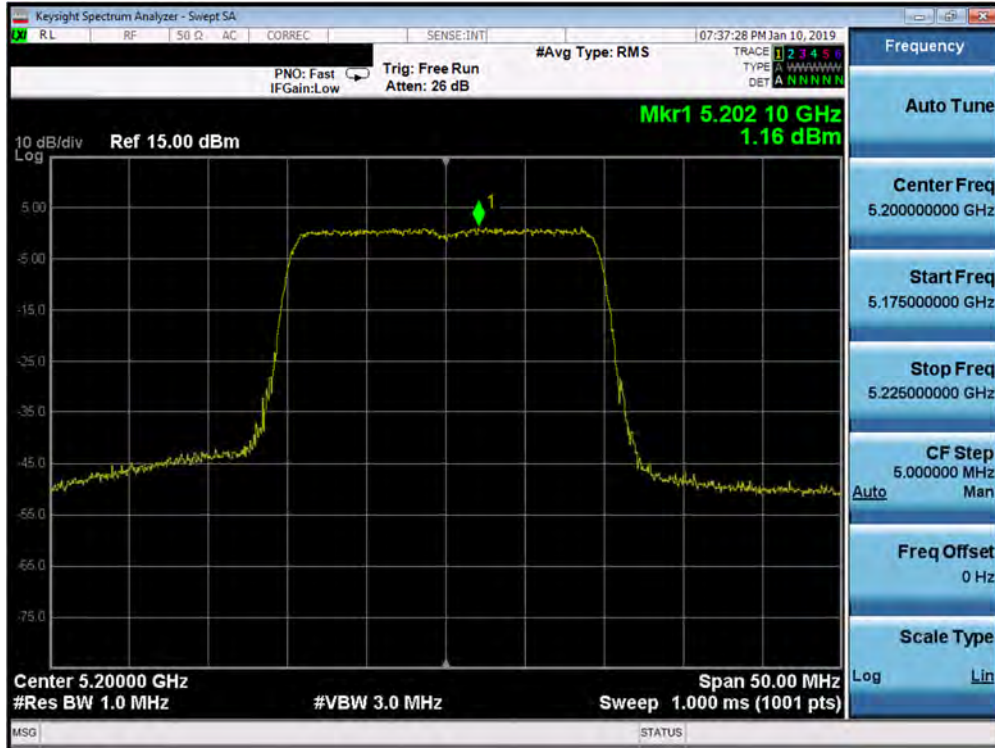


Plot 7-447. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 155)

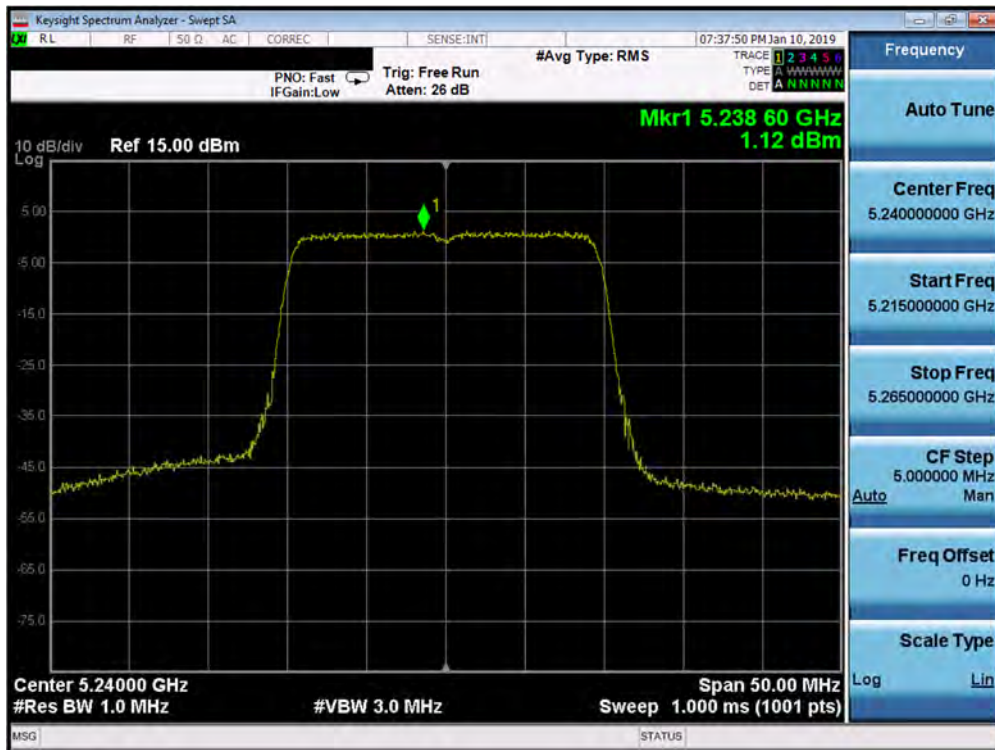


Plot 7-448. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 36)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 306 of 516 |

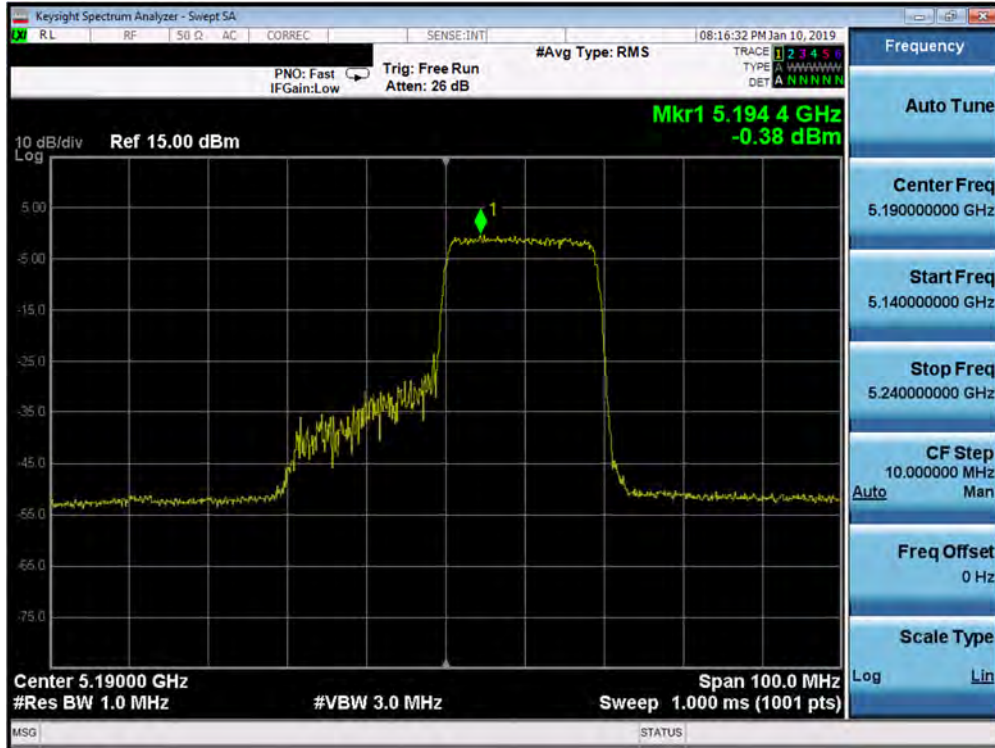


Plot 7-449. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 40)

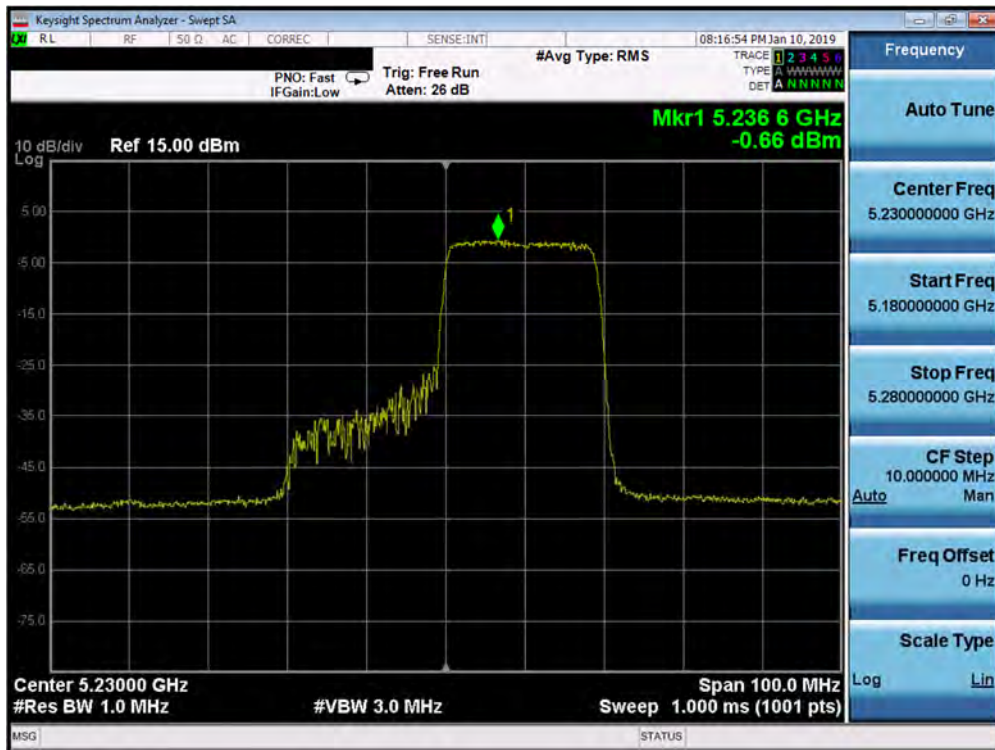


Plot 7-450. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 48)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 307 of 516 |

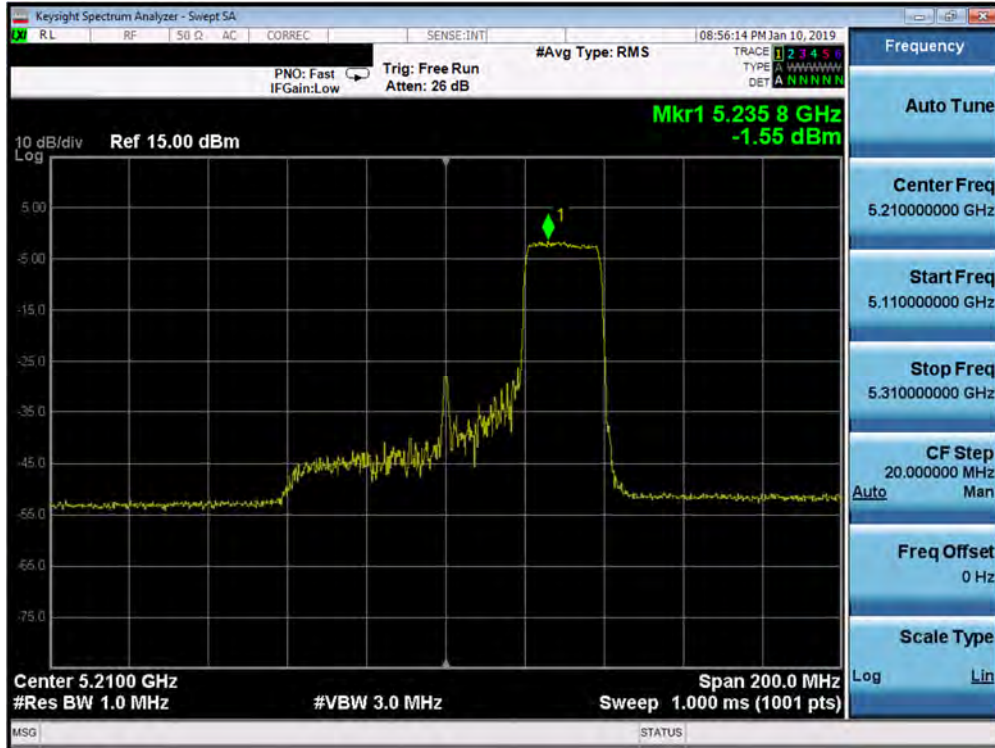


Plot 7-451. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 38)

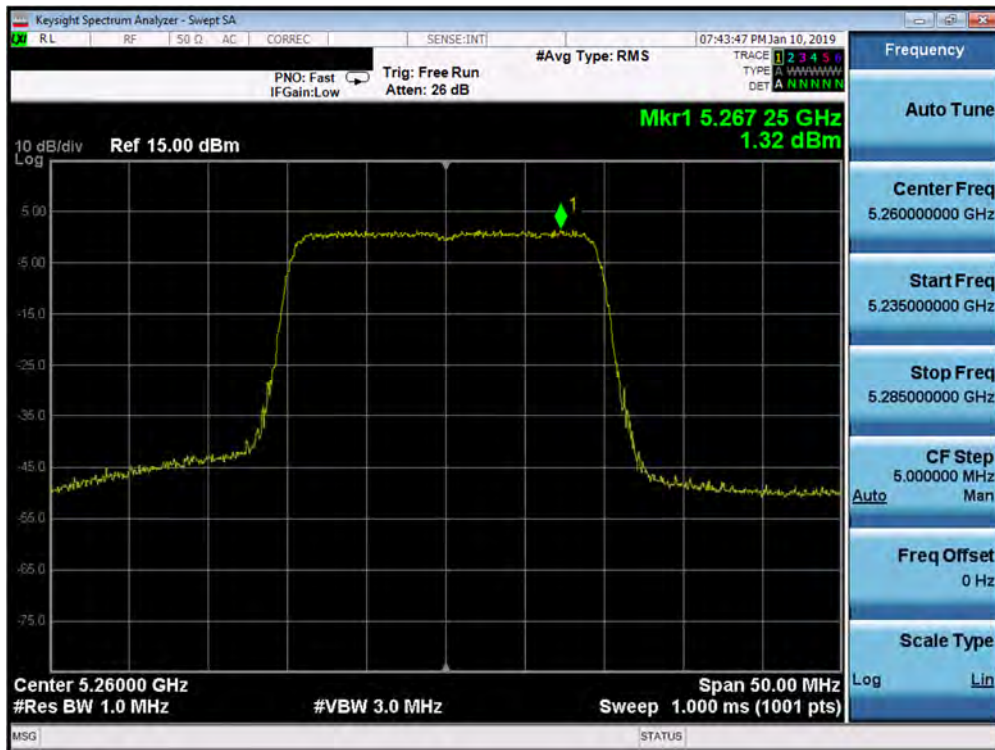


Plot 7-452. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 46)

| | | | | |
|---|--|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 308 of 516 |

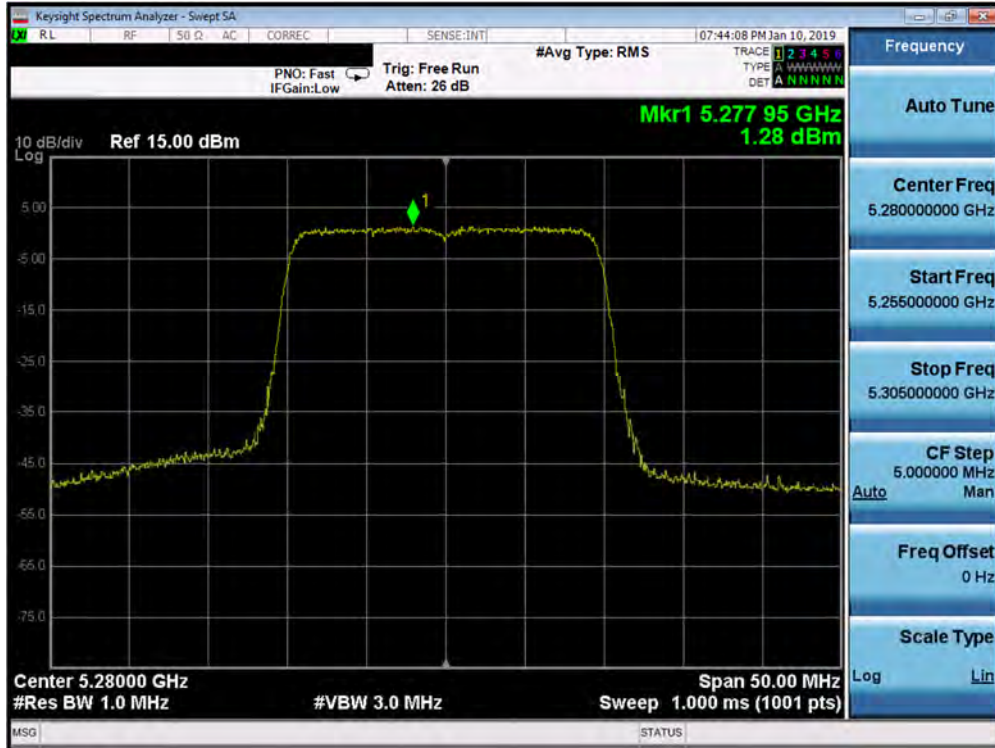


Plot 7-453. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 42)

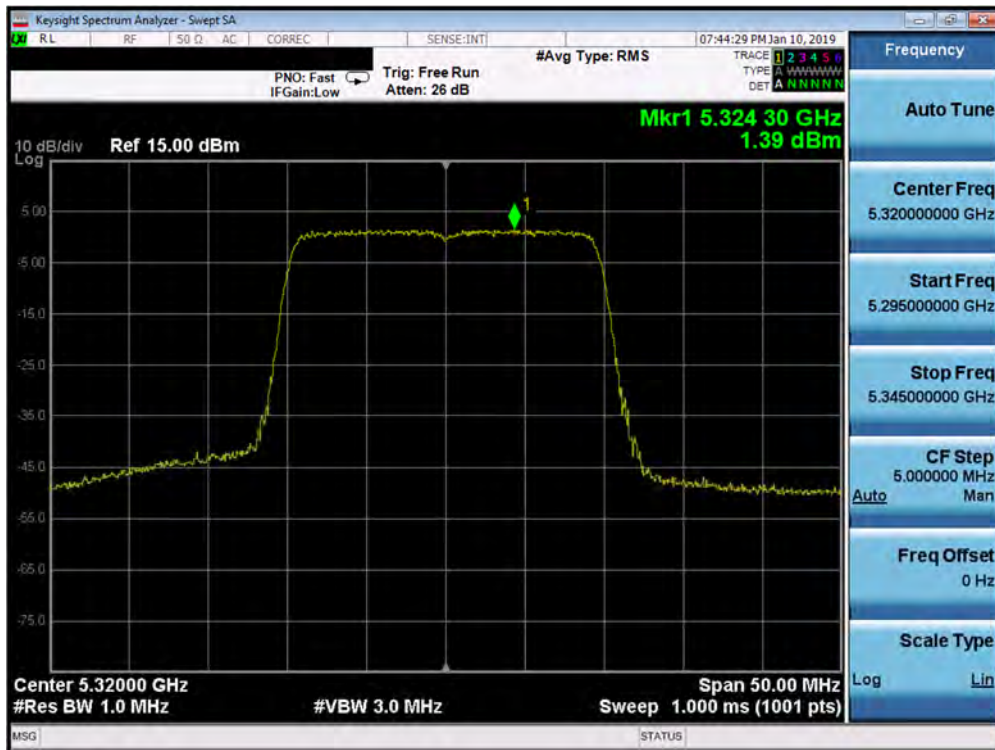


Plot 7-454. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 52)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 309 of 516 |

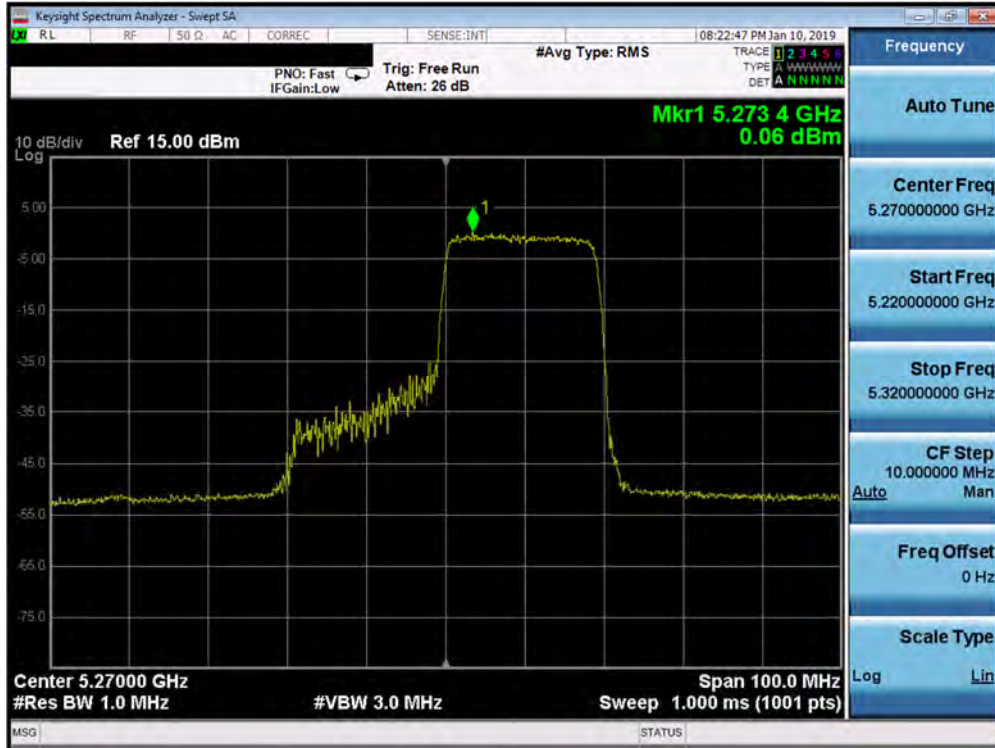


Plot 7-455. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 56)

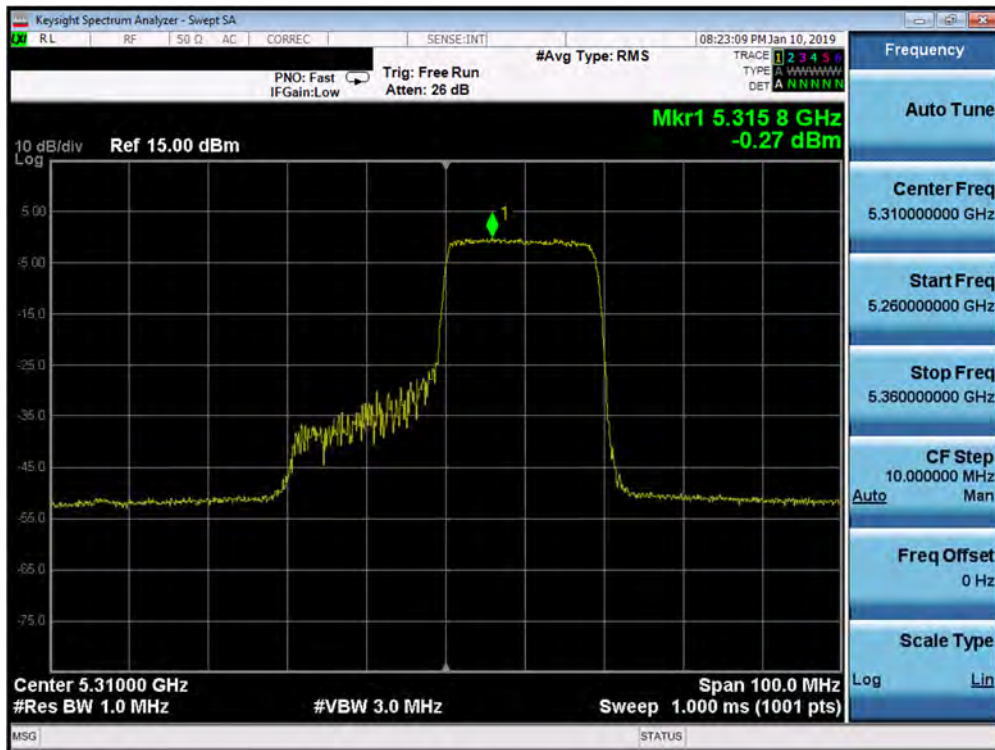


Plot 7-456. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 64)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 310 of 516 |

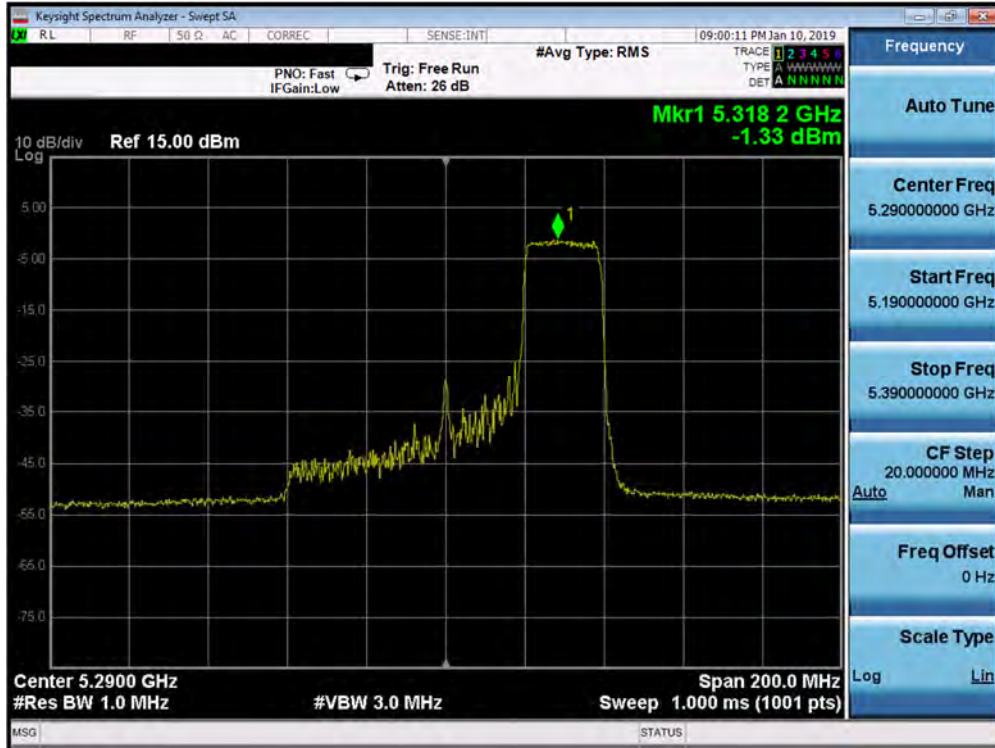


Plot 7-457. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 54)

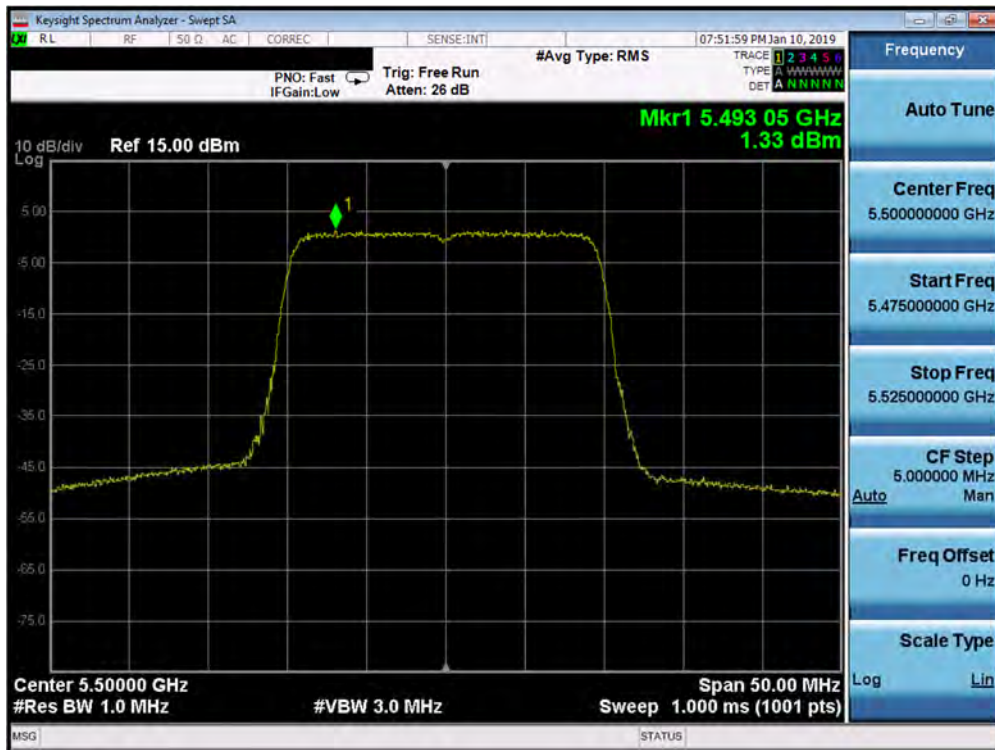


Plot 7-458. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 62)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 311 of 516 |

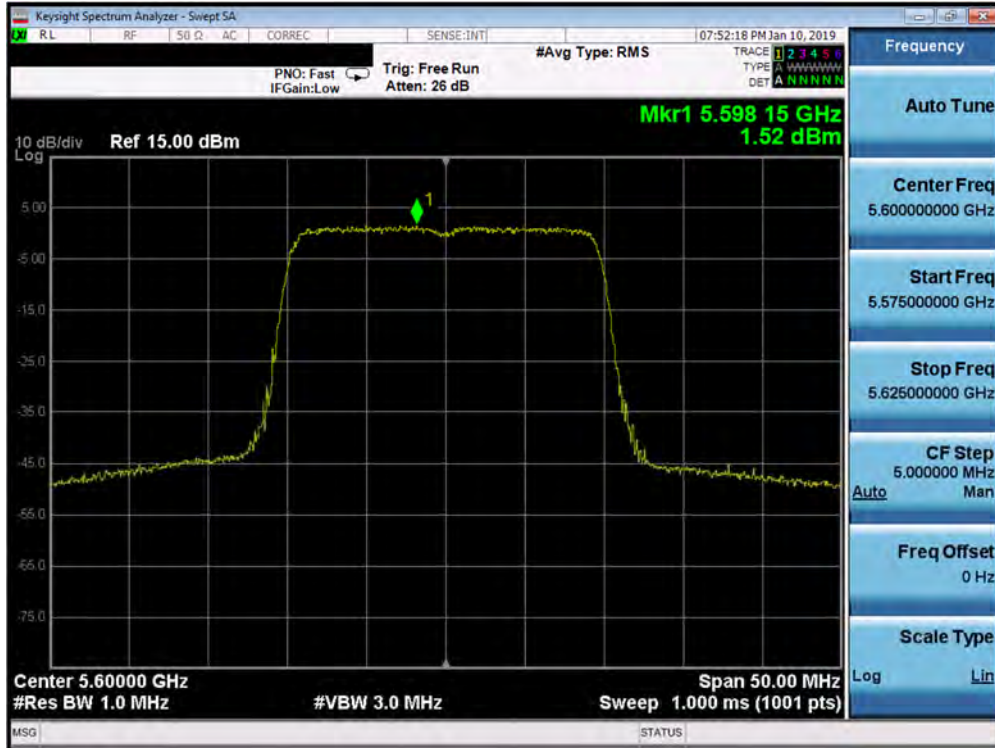


Plot 7-459. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 58)

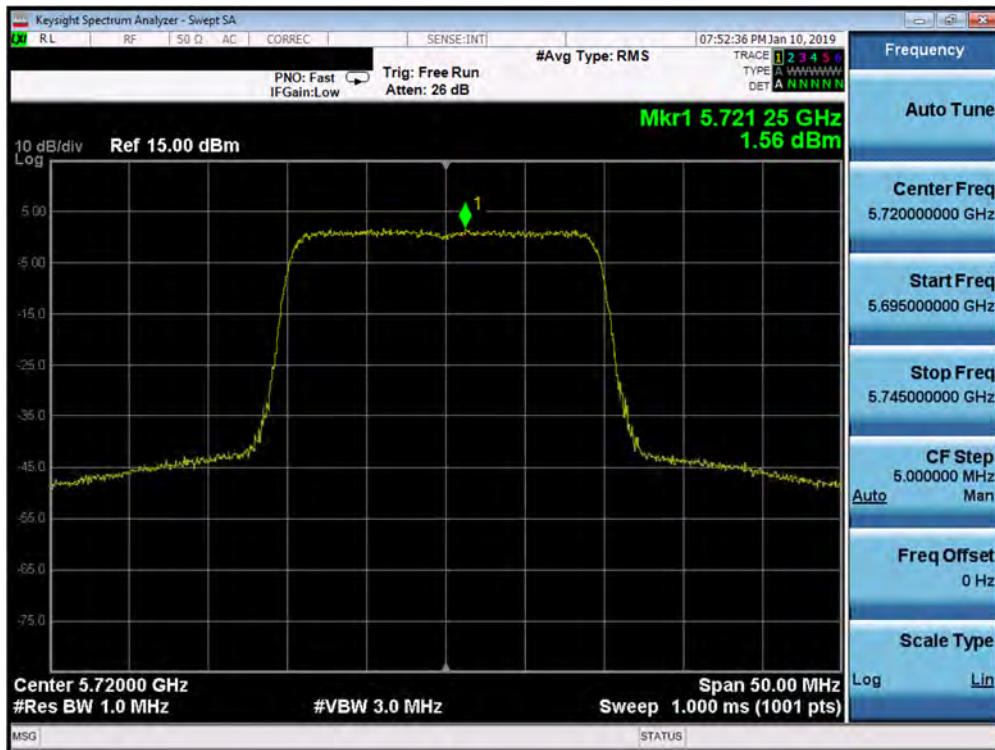


Plot 7-460. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 100)

| | | | | |
|---|--|---------------------------------------|---------|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 312 of 516 |

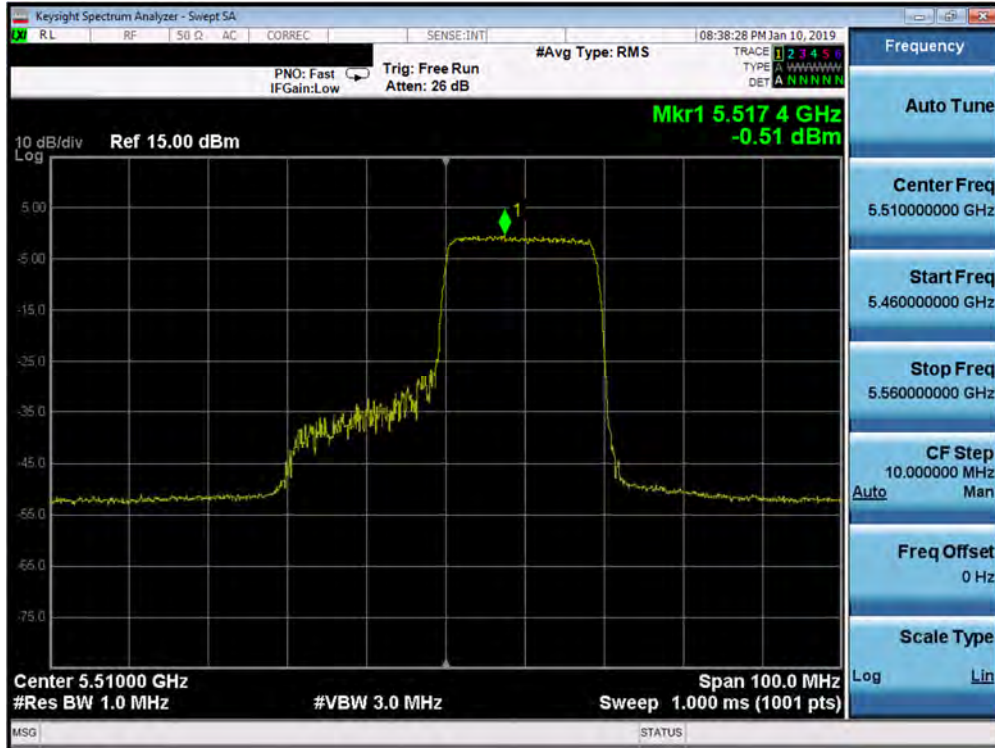


Plot 7-461. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 120)

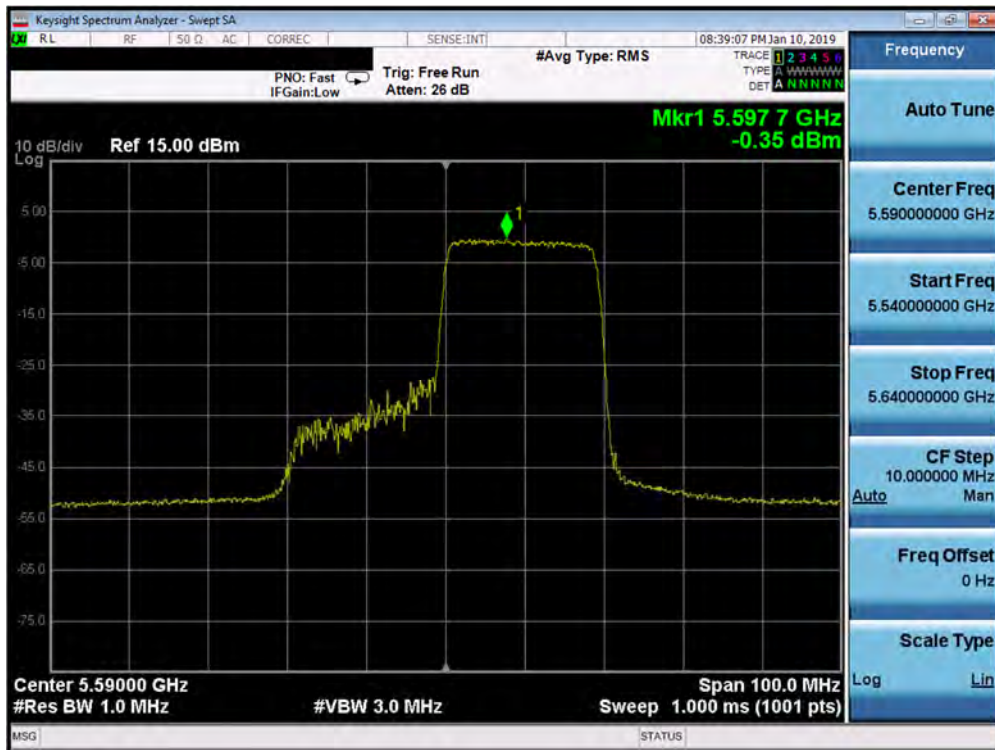


Plot 7-462. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 144)

| | | | | |
|---|--|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 313 of 516 |

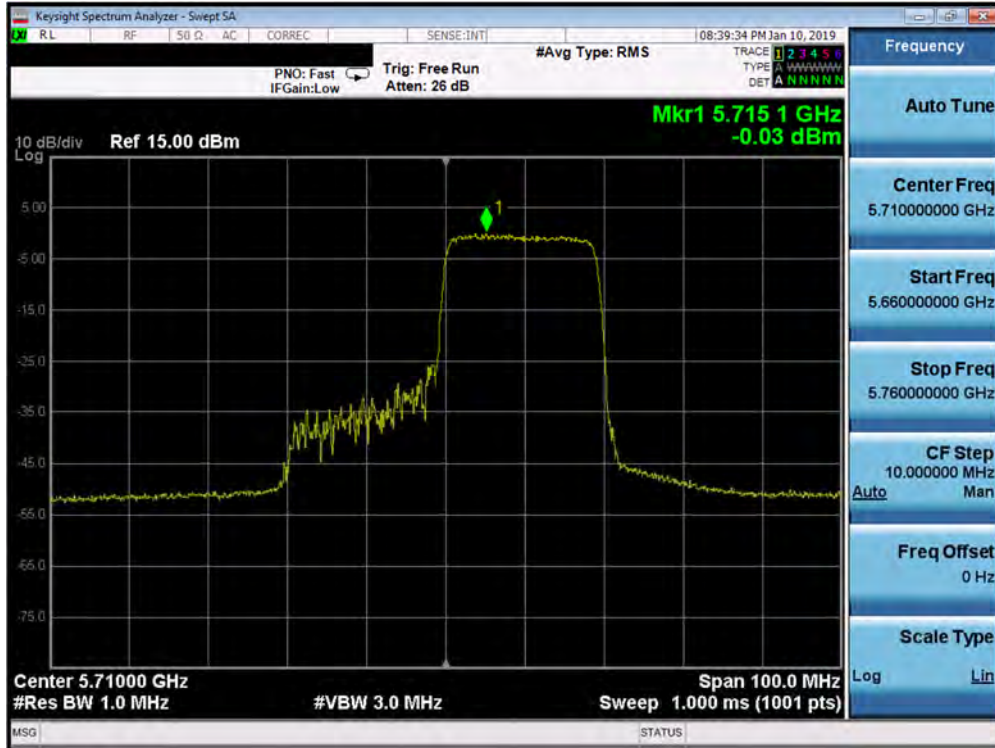


Plot 7-463. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 102)

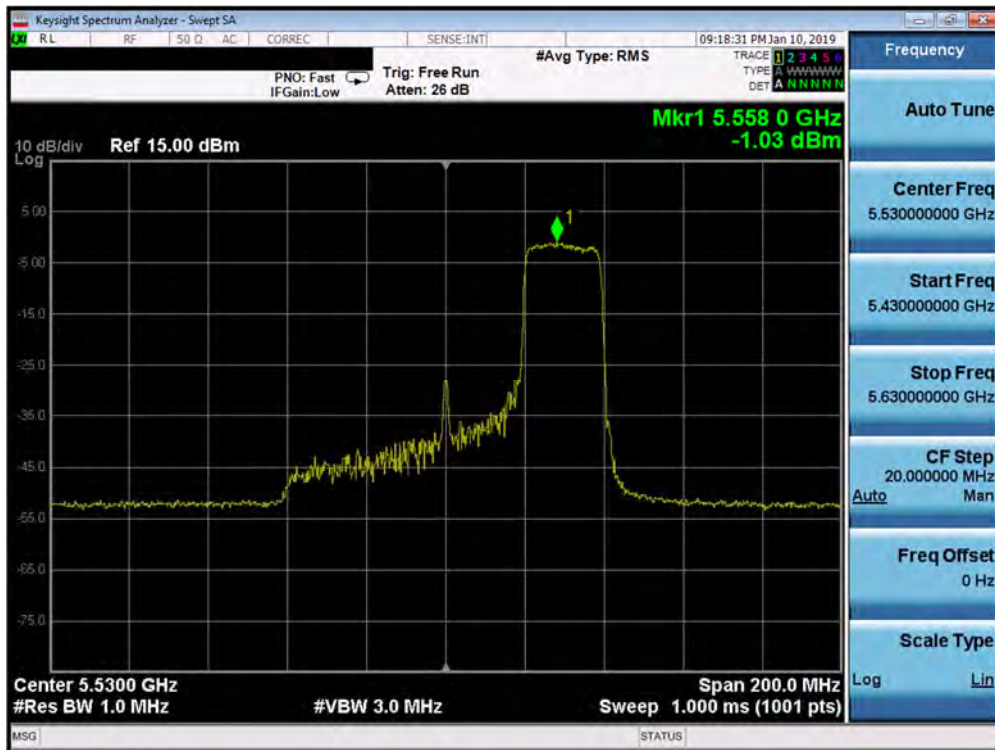


Plot 7-464. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 118)

| | | | |
|---|---|-------------------------------|---------------------------------|
| FCC ID: A3LSMG9750 |  MEASUREMENT REPORT (CERTIFICATION)  | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | Page 314 of 516 |

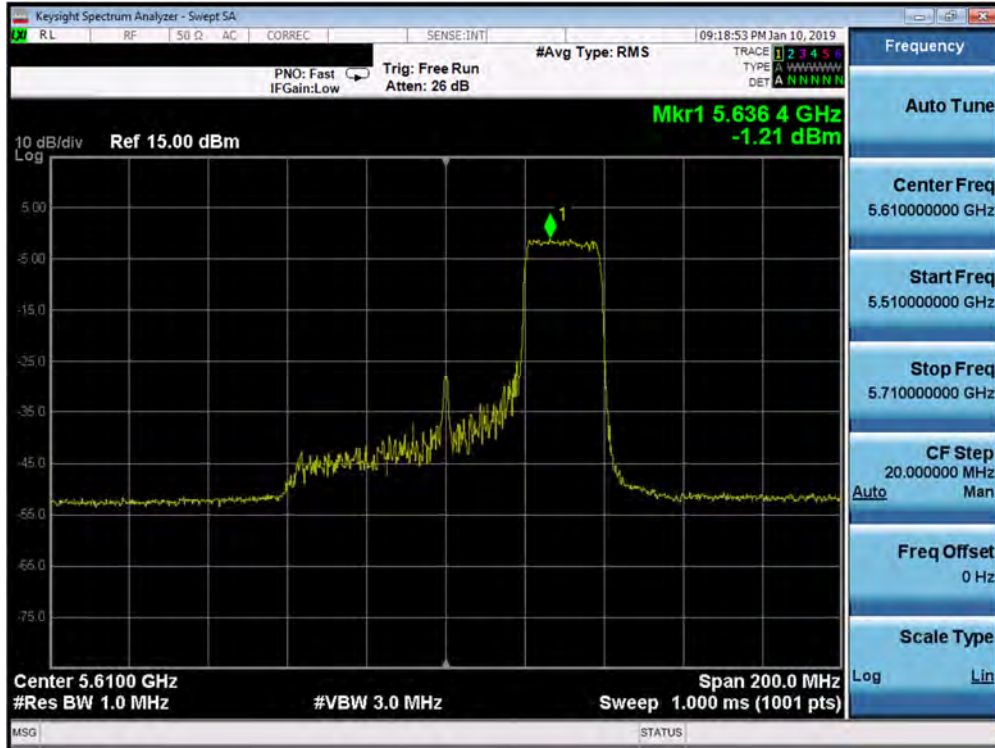


Plot 7-465. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 142)

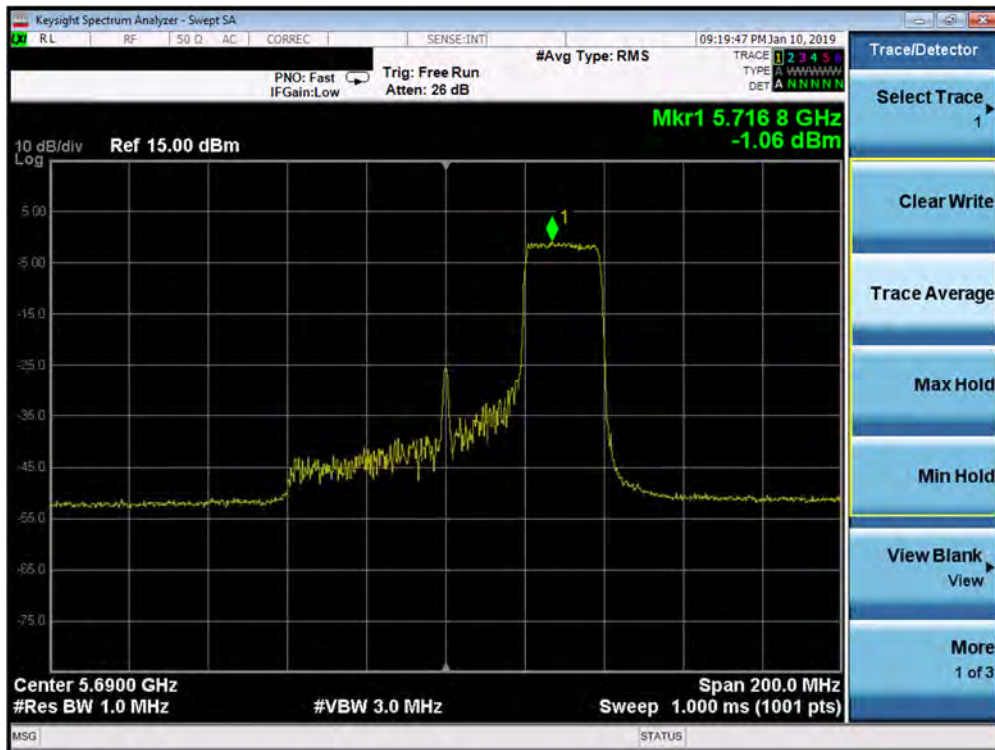


Plot 7-466. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 106)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 315 of 516 |

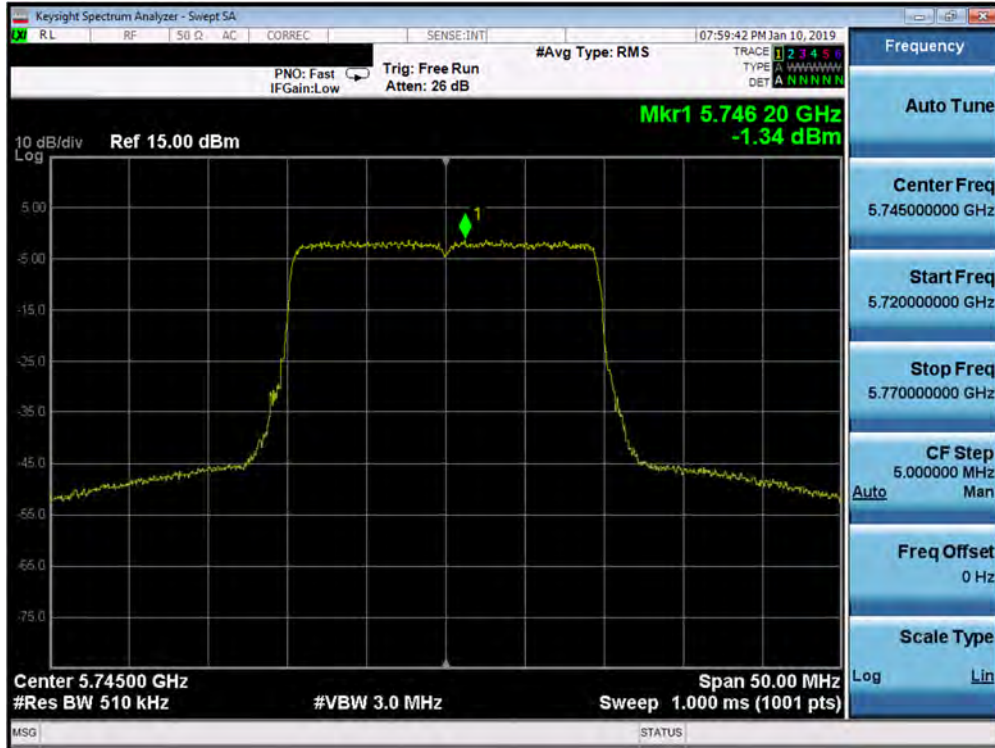


Plot 7-467. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 122)

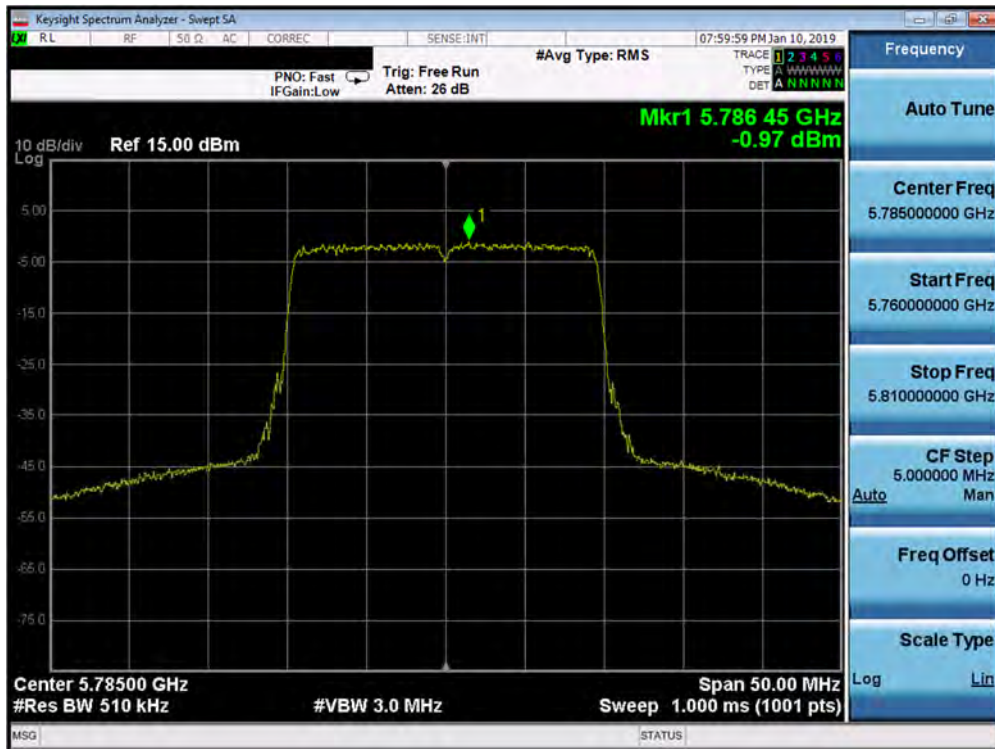


Plot 7-468. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 138)

| | | | | |
|---|--|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 316 of 516 |

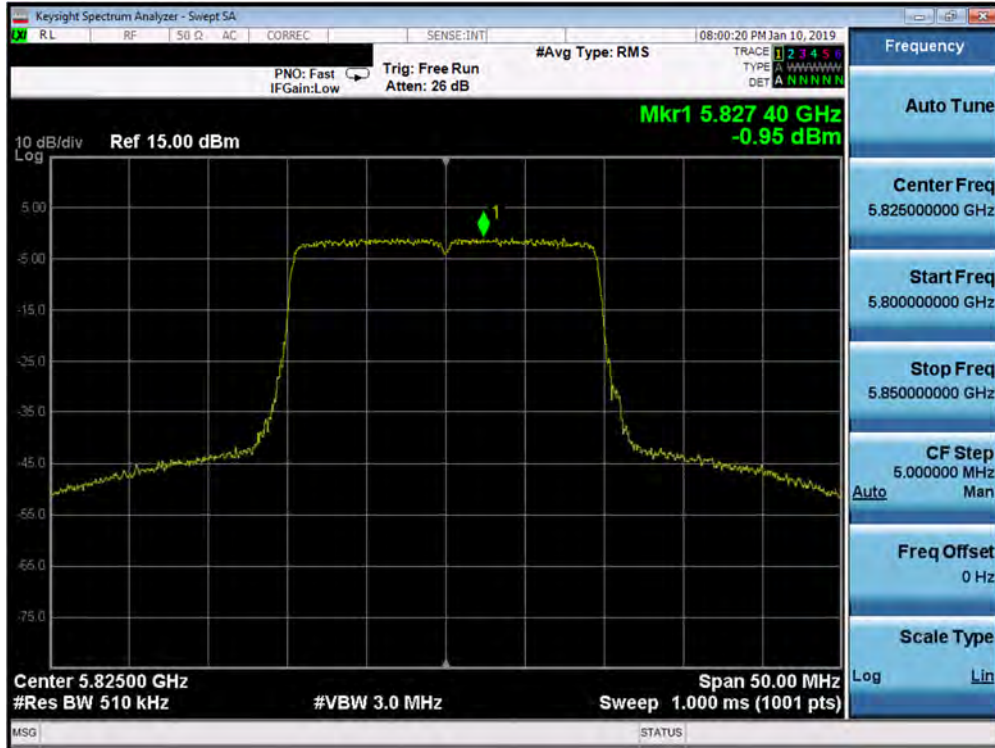


Plot 7-469. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 149)

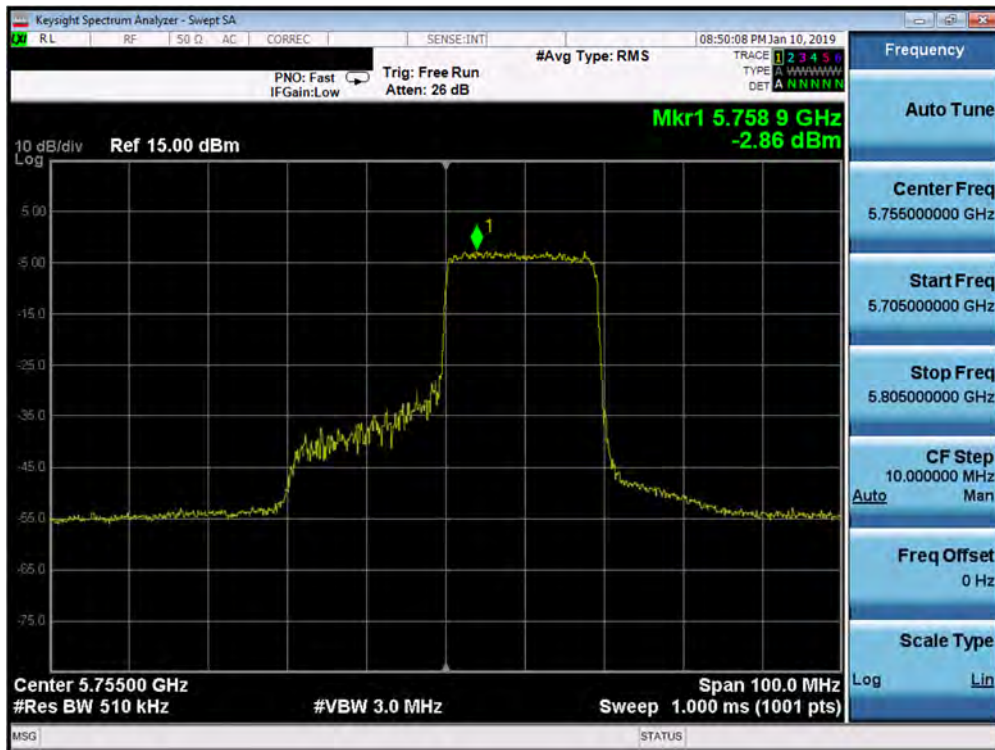


Plot 7-470. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 157)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 317 of 516 |

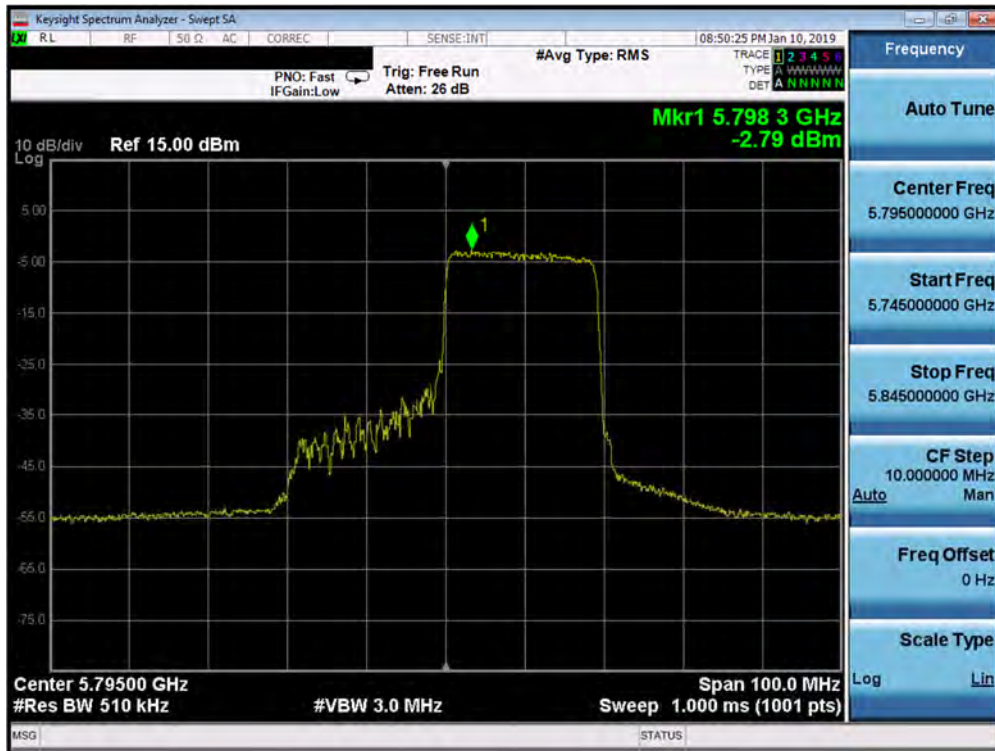


Plot 7-471. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 165)

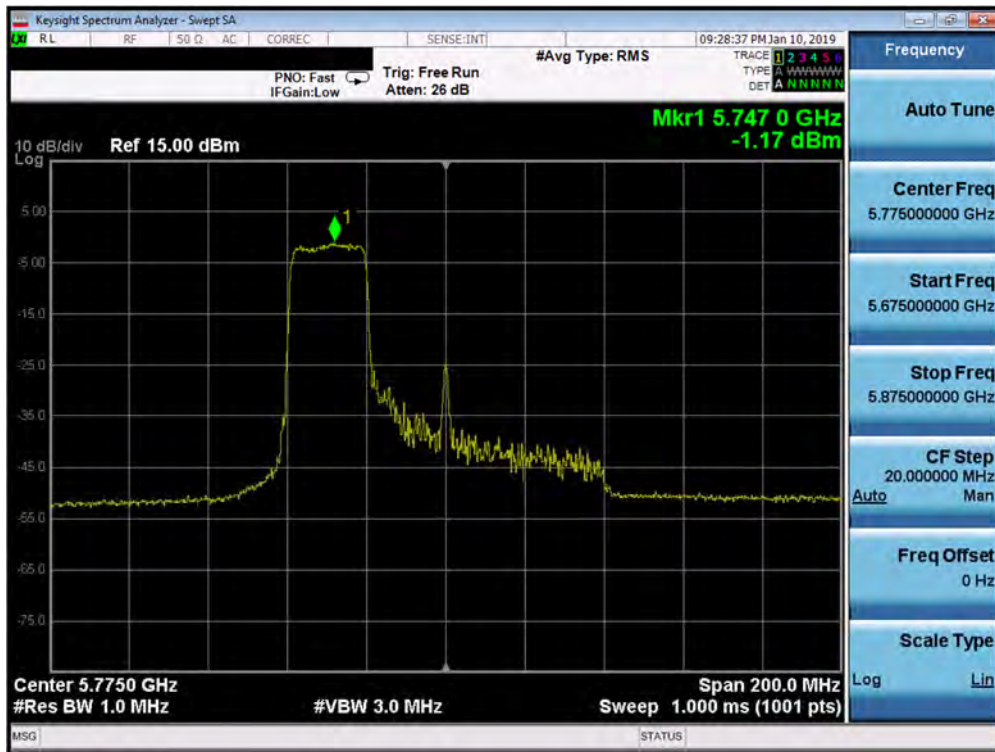


Plot 7-472. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 151)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 318 of 516 |

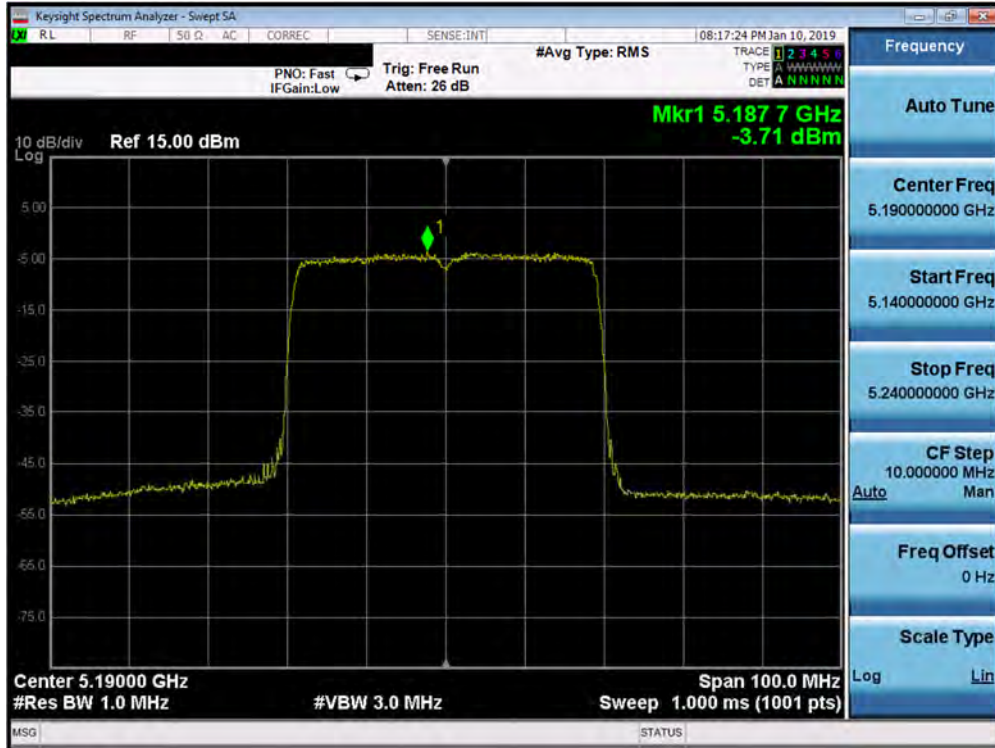


Plot 7-473. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 159)

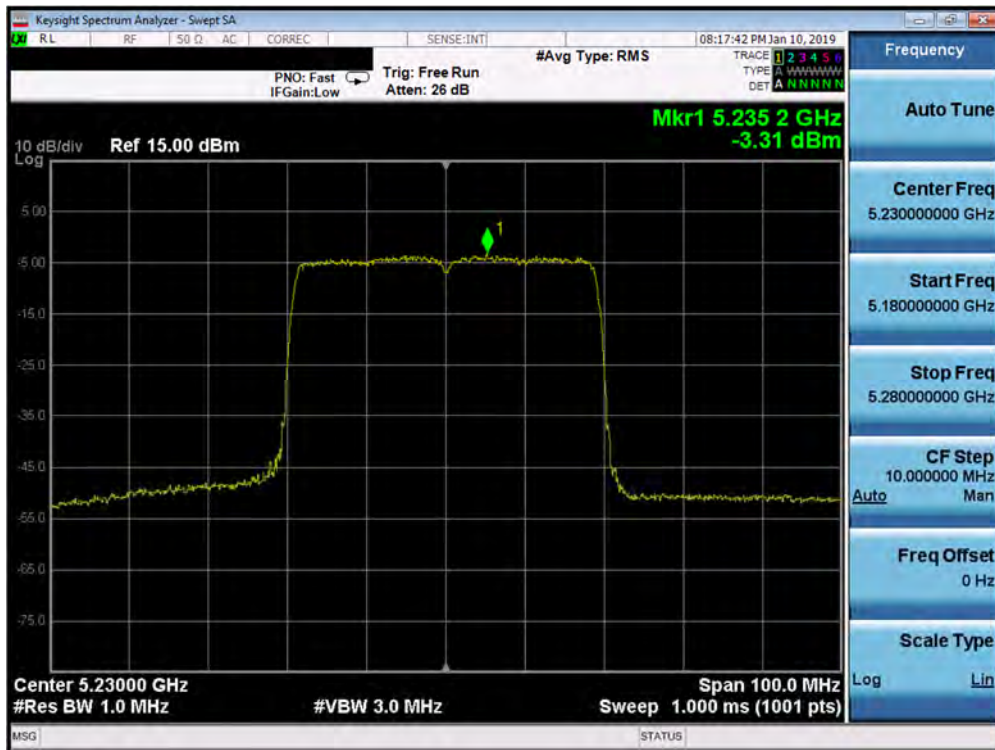


Plot 7-474. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 155)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 319 of 516 |

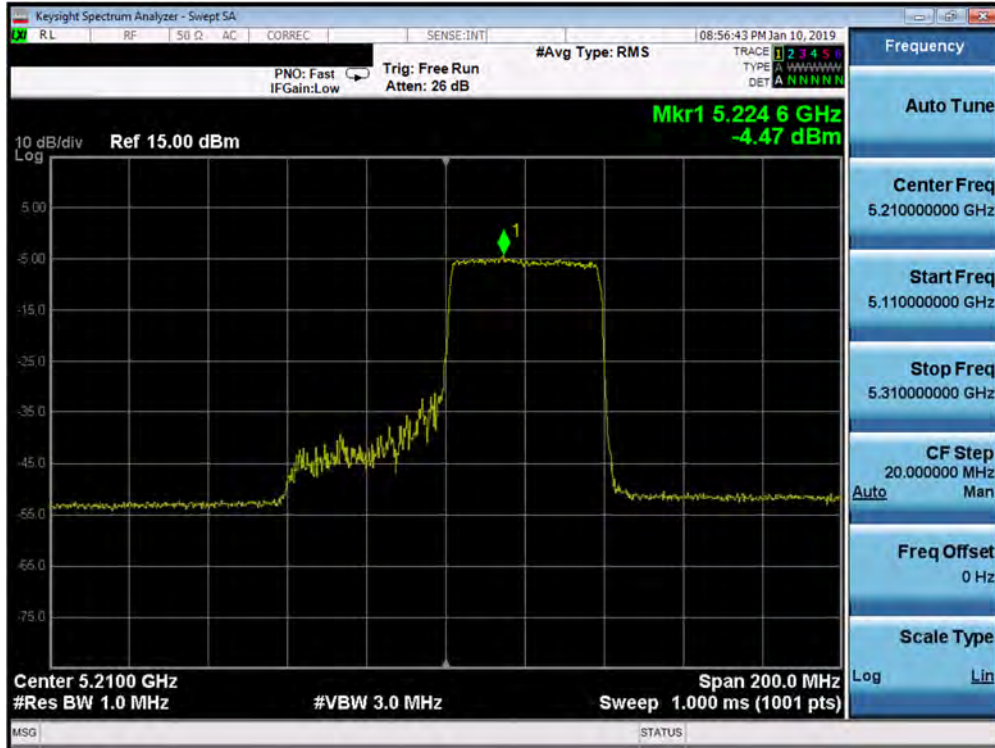


Plot 7-475. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 1) – Ch. 38)

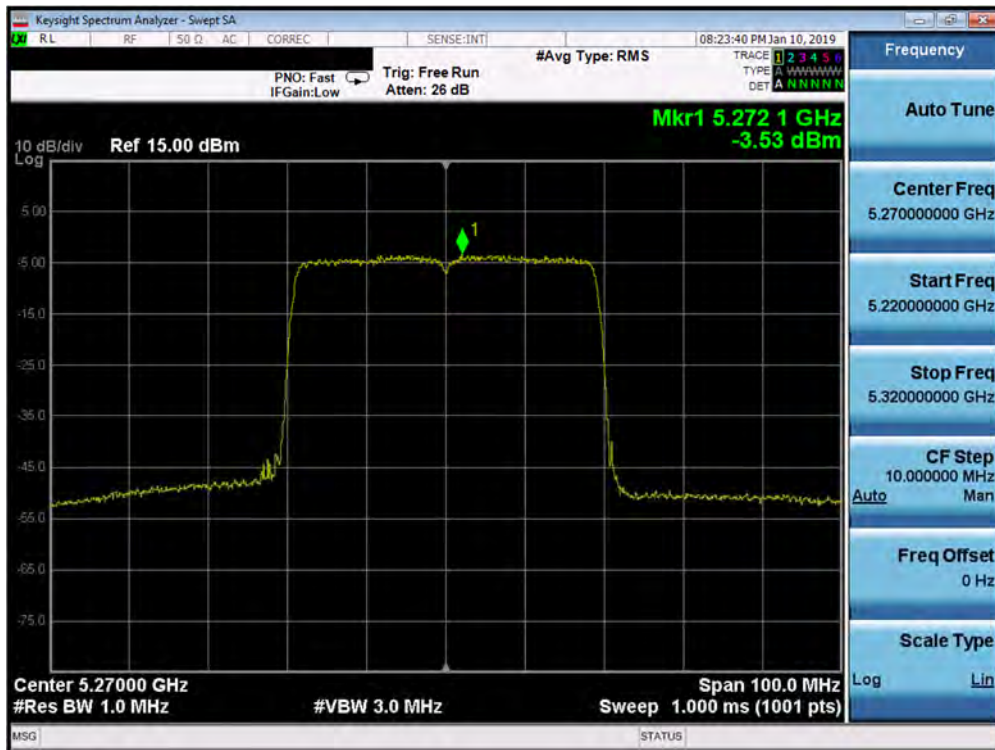


Plot 7-476. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 1) – Ch. 46)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 320 of 516 |

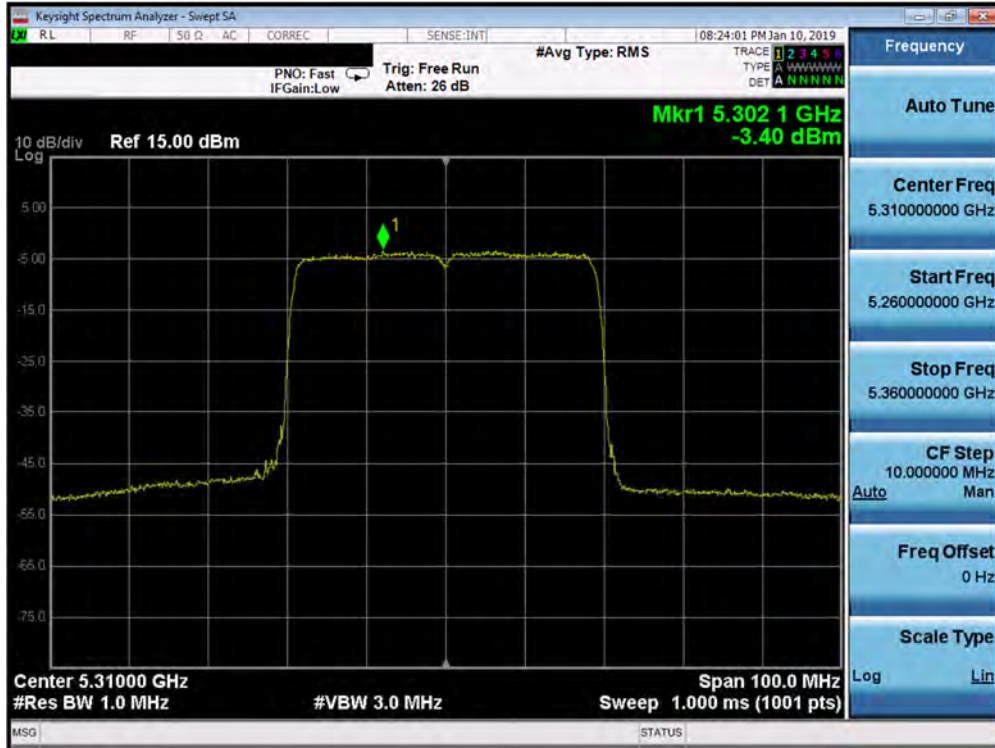


Plot 7-477. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 484 Tones (UNII Band 1) – Ch. 42)

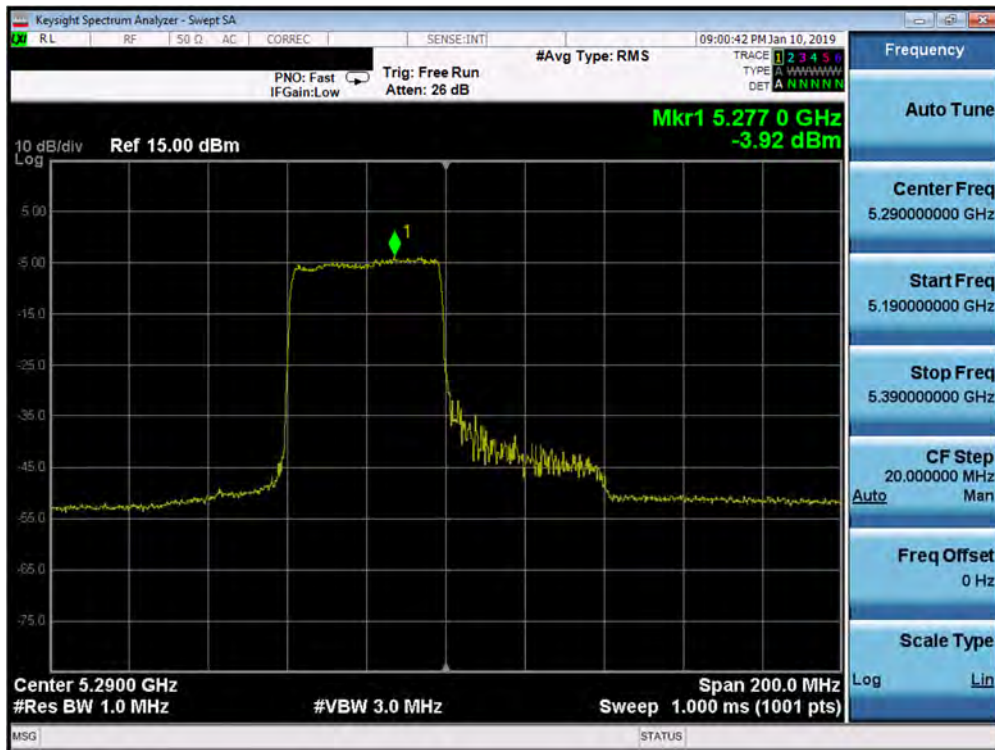


Plot 7-478. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 2A) – Ch. 54)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 321 of 516 |

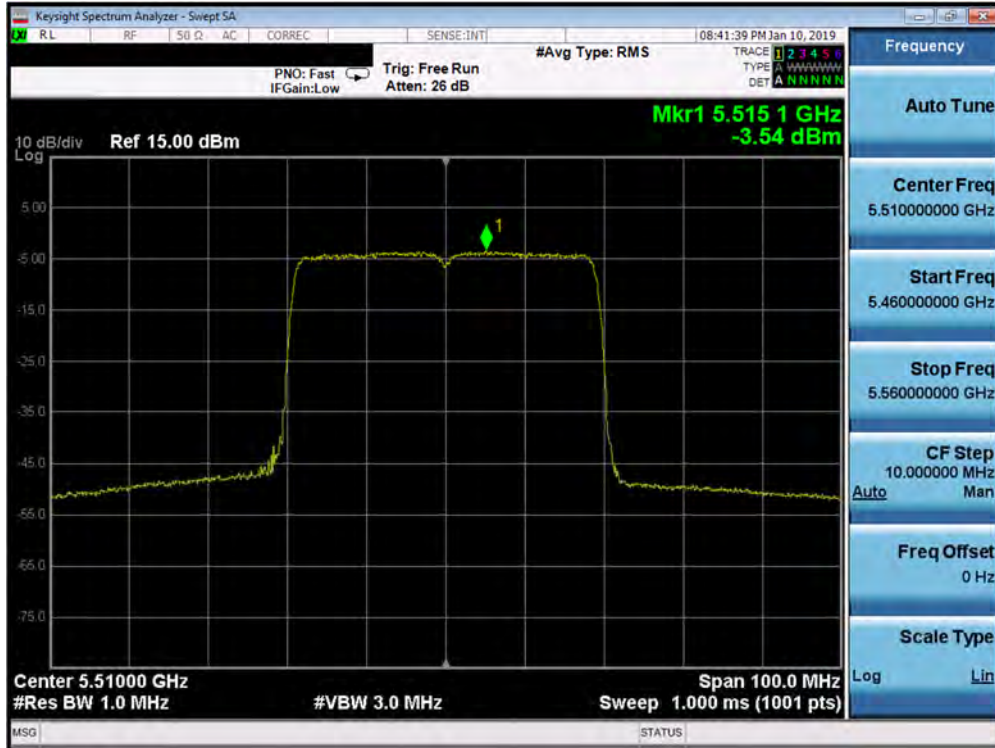


Plot 7-479. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 2A) – Ch. 62)

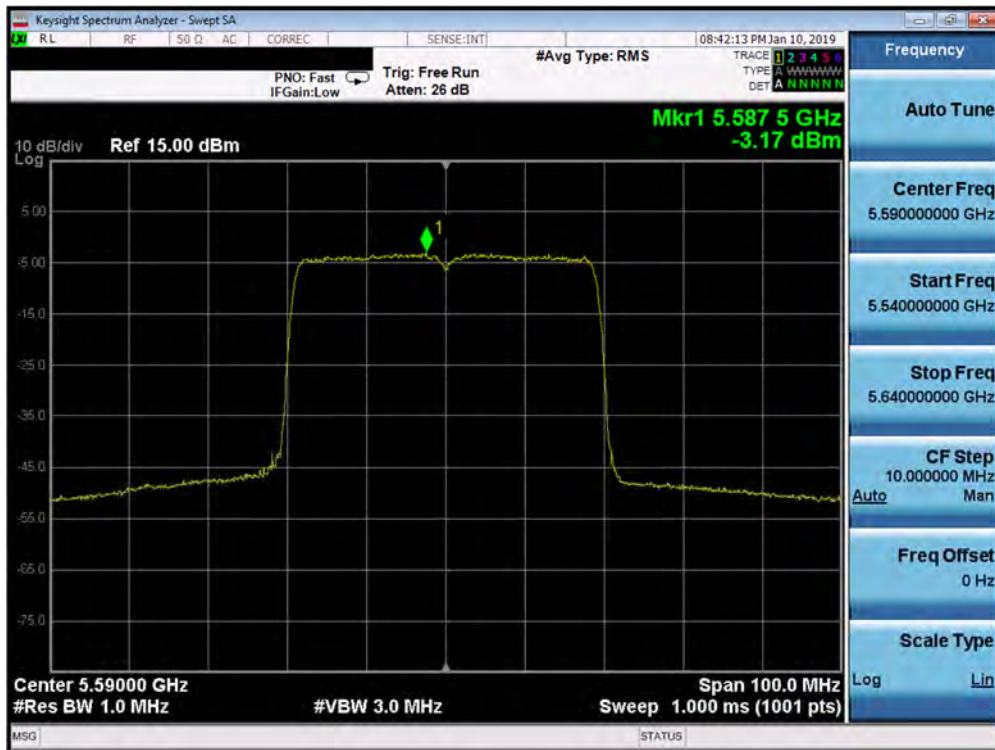


Plot 7-480. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 484 Tones (UNII Band 2A) – Ch. 58)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 322 of 516 |

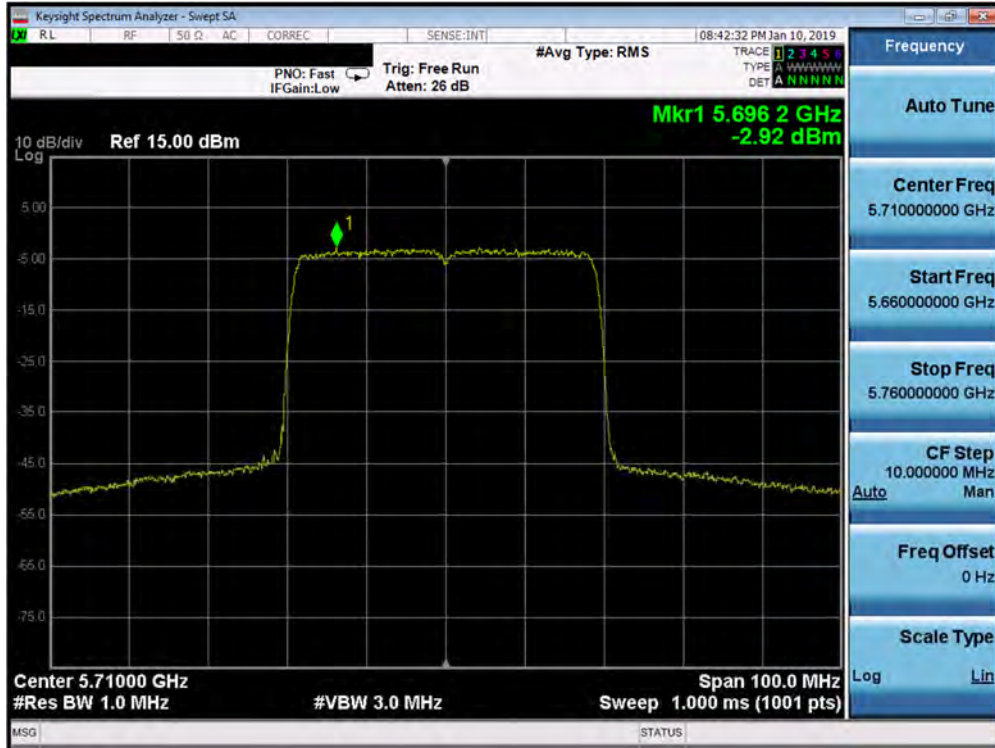


Plot 7-481. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 102)

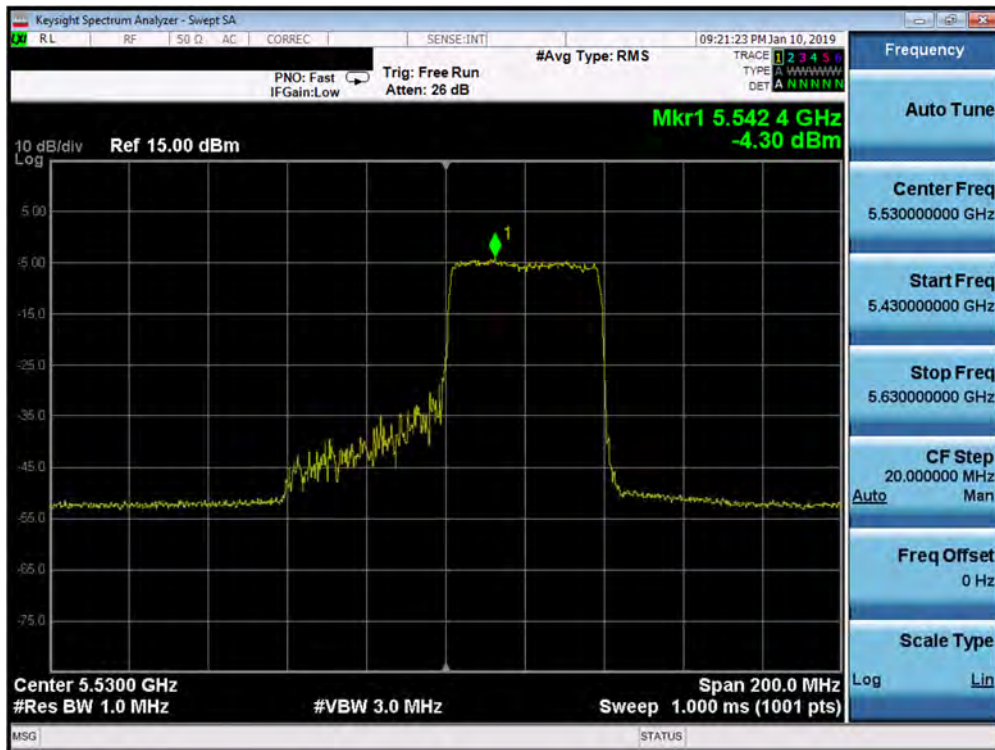


Plot 7-482. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 118)

| | | | | |
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| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 323 of 516 |

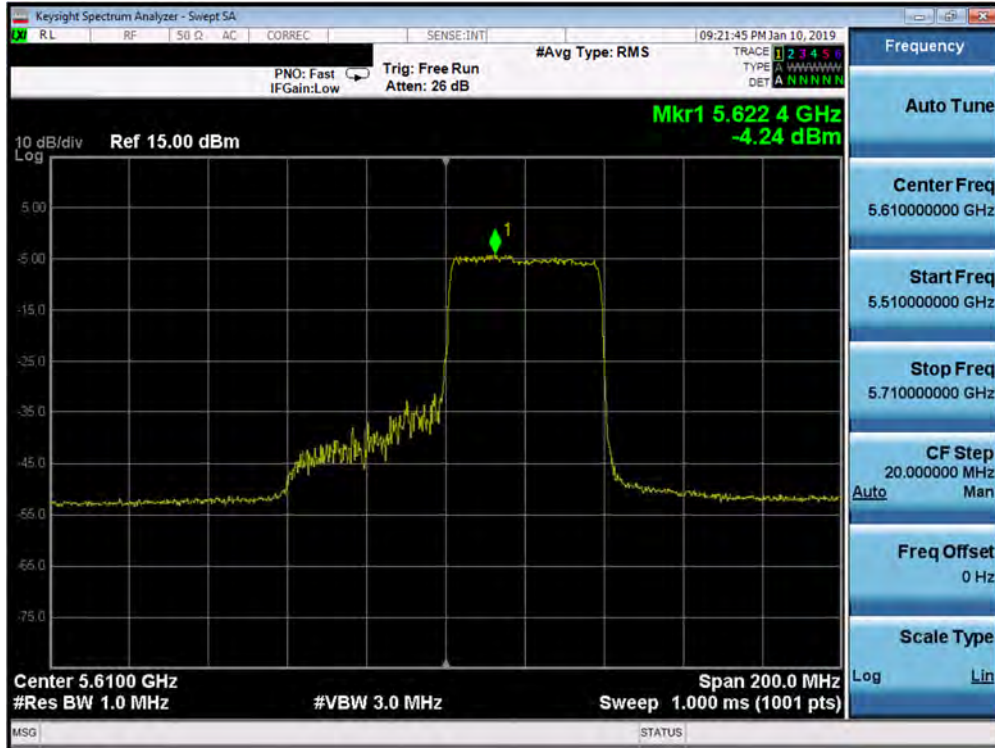


Plot 7-483. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 142)

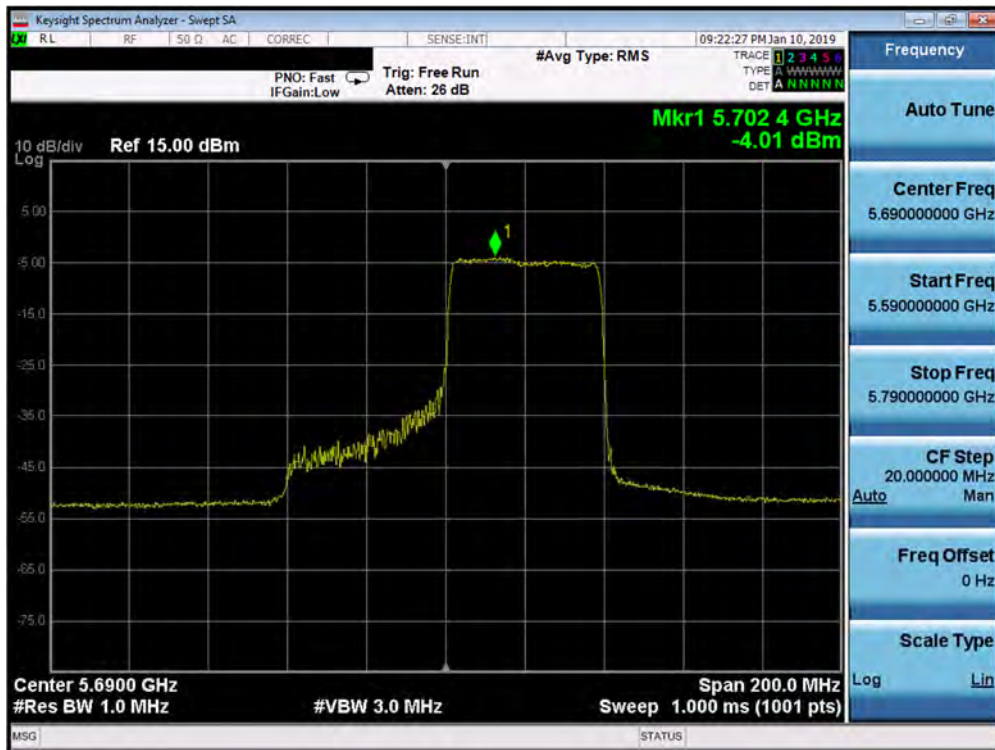


Plot 7-484. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 106)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 324 of 516 |

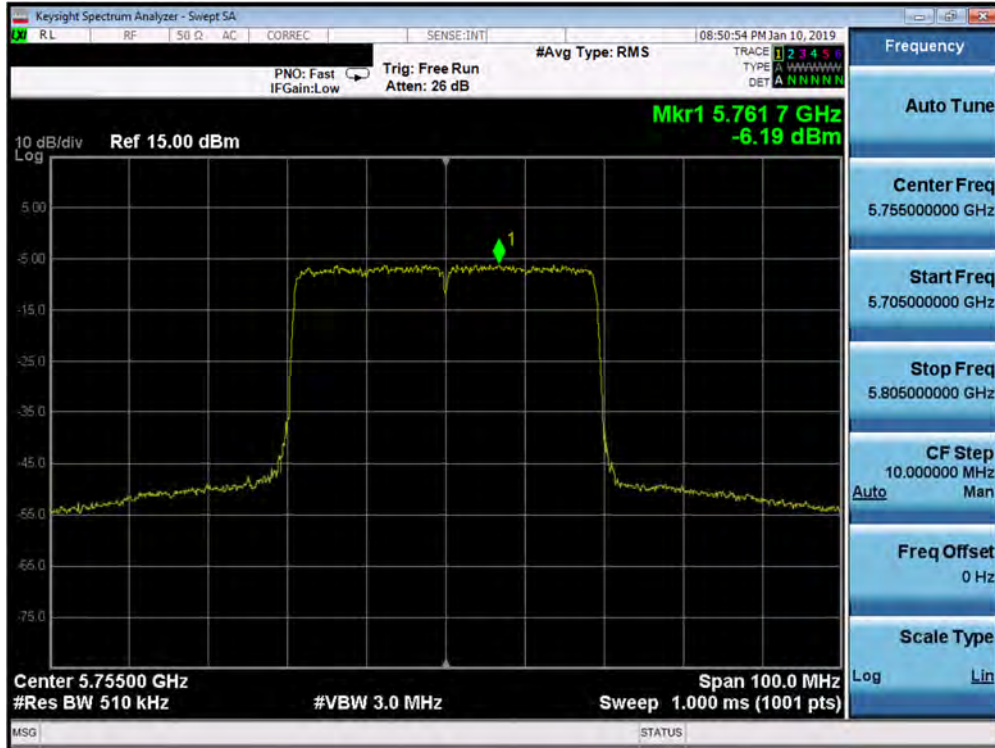


Plot 7-485. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 122)

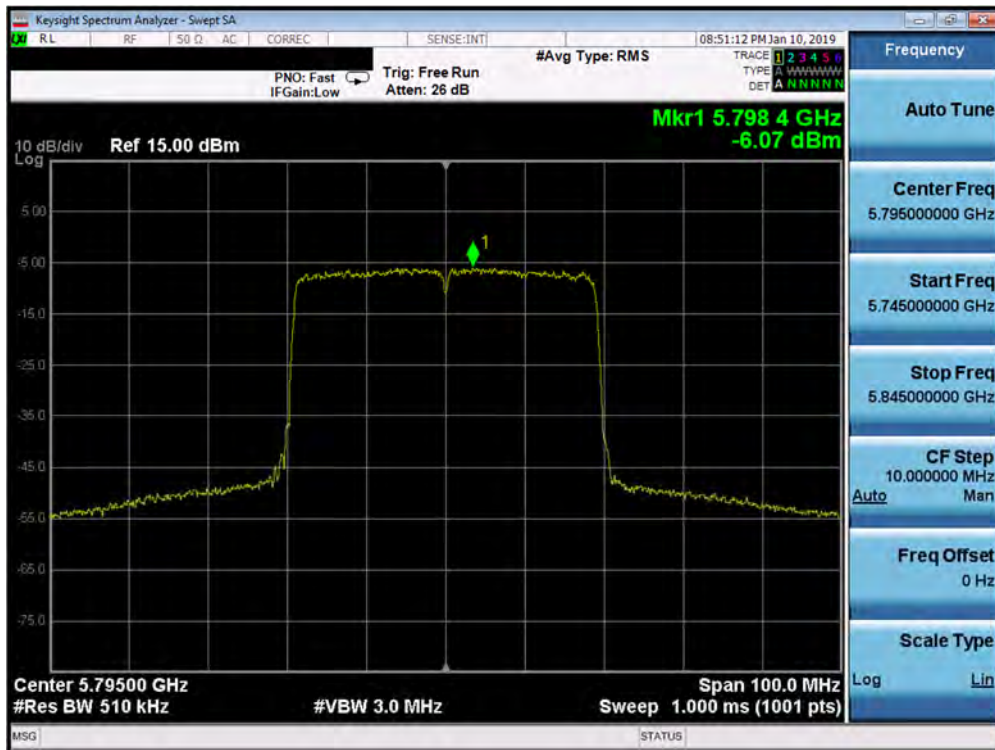


Plot 7-486. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 138)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 325 of 516 |

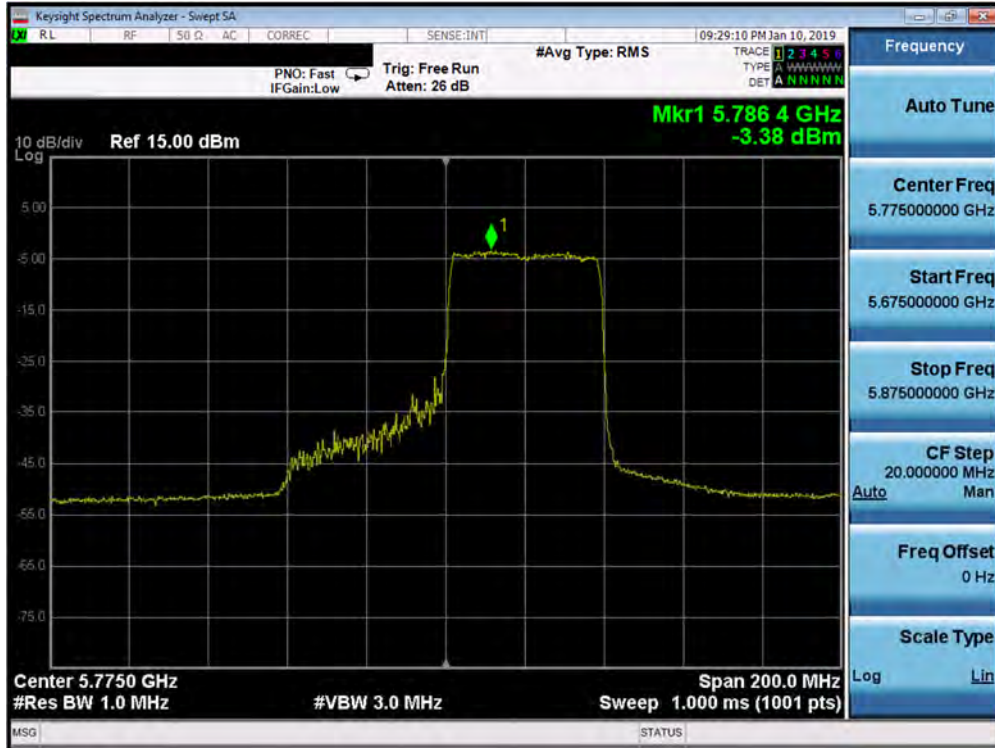


Plot 7-487. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 151)

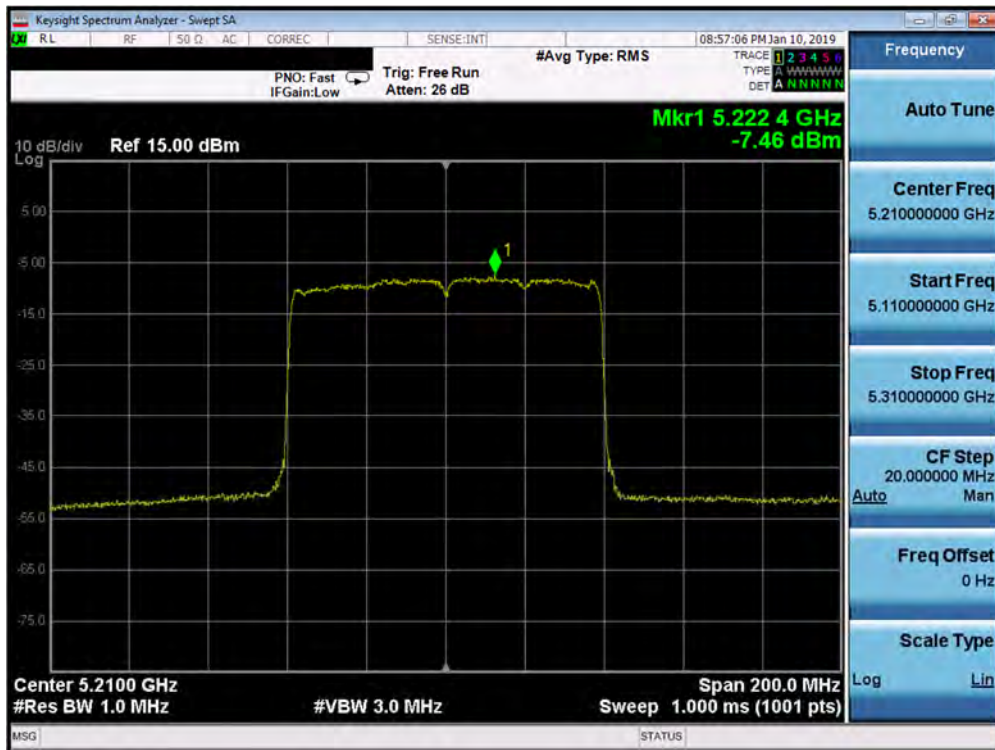


Plot 7-488. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 159)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 326 of 516 |

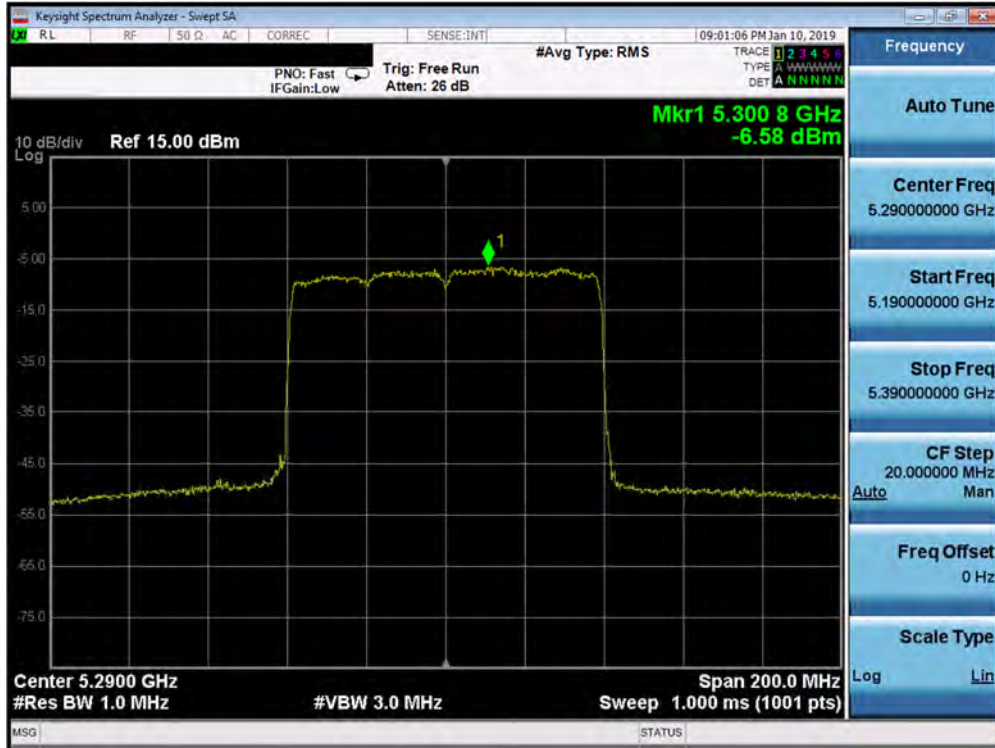


Plot 7-489. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 155)

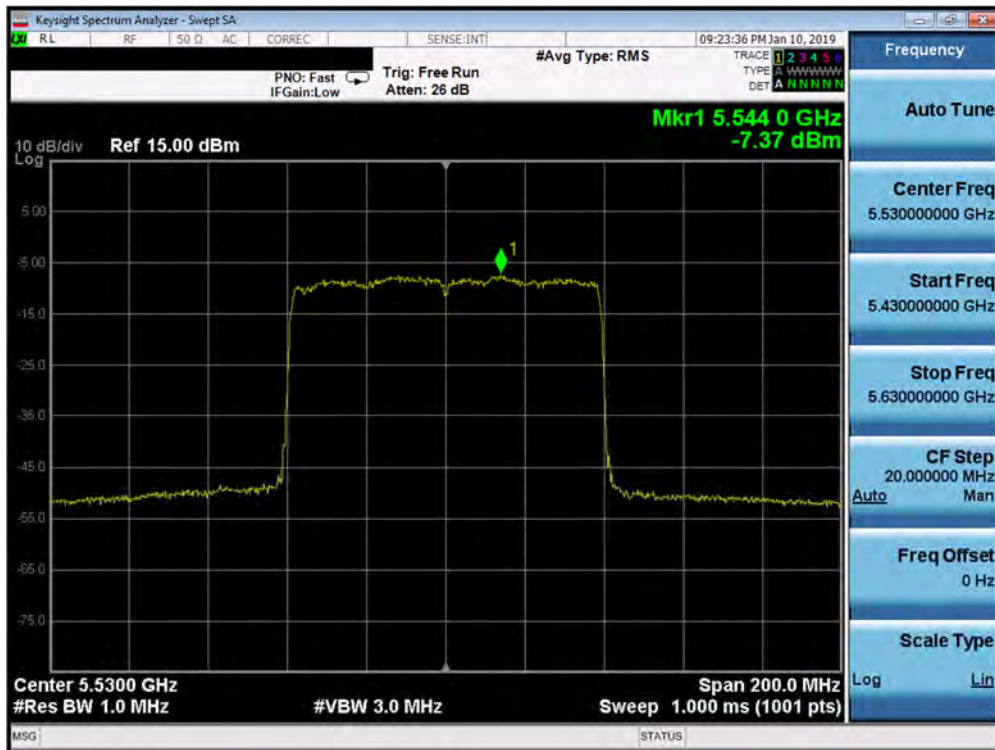


Plot 7-490. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 996 Tones (UNII Band 1) – Ch. 42)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 327 of 516 |

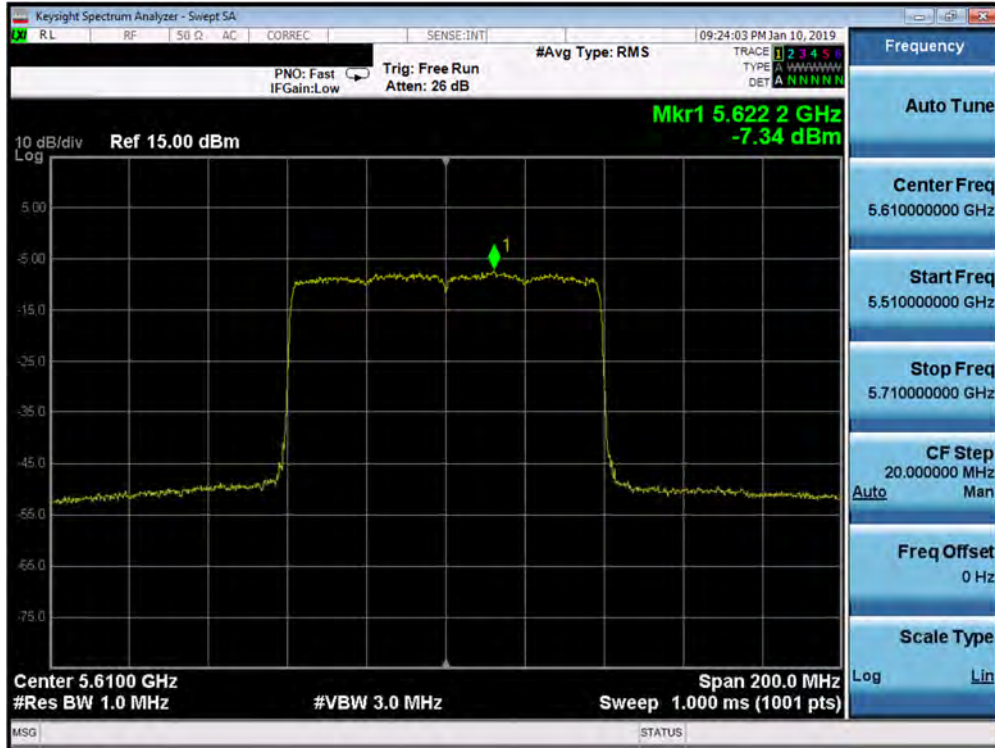


Plot 7-491. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 996 Tones (UNII Band 2A) – Ch. 58)

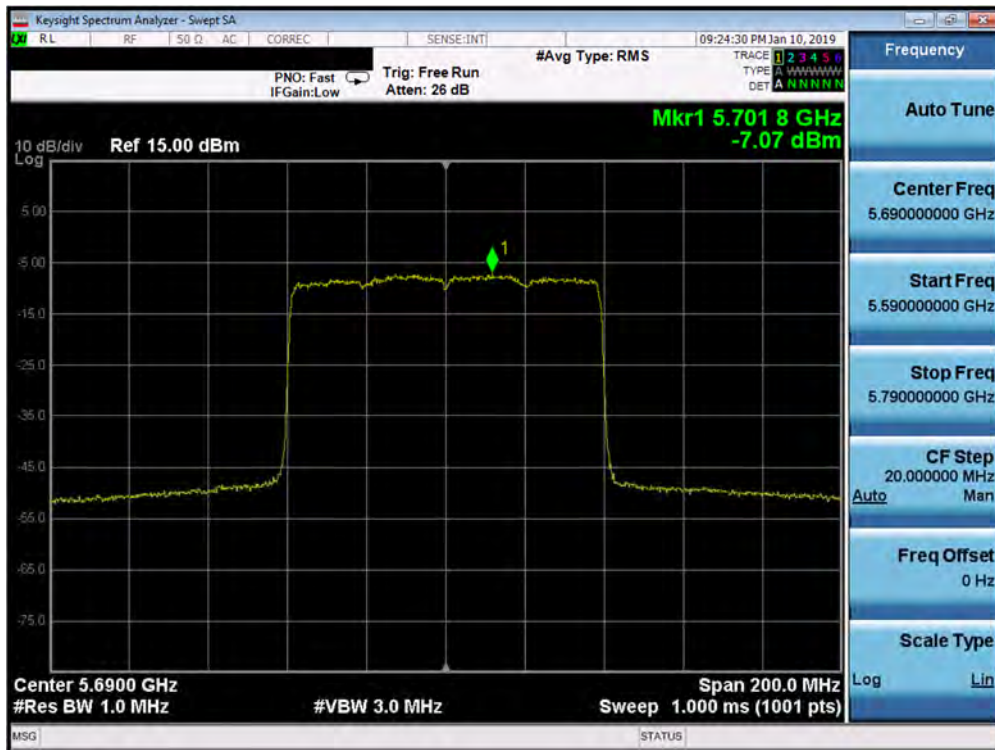


Plot 7-492. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 106)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 328 of 516 |

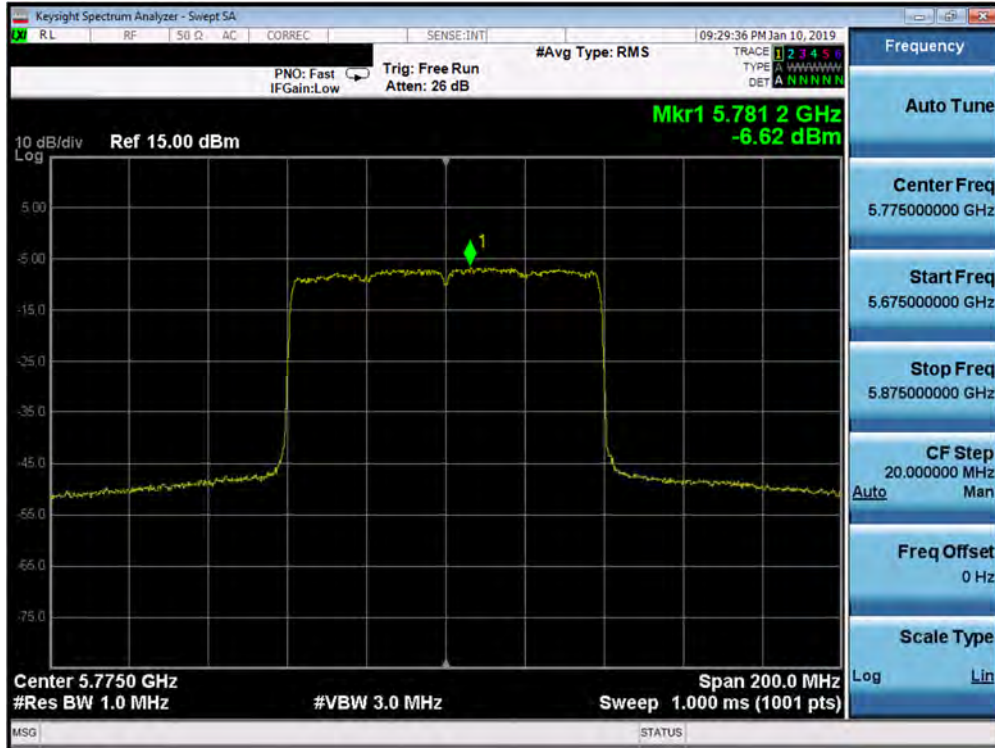


Plot 7-493. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 122)

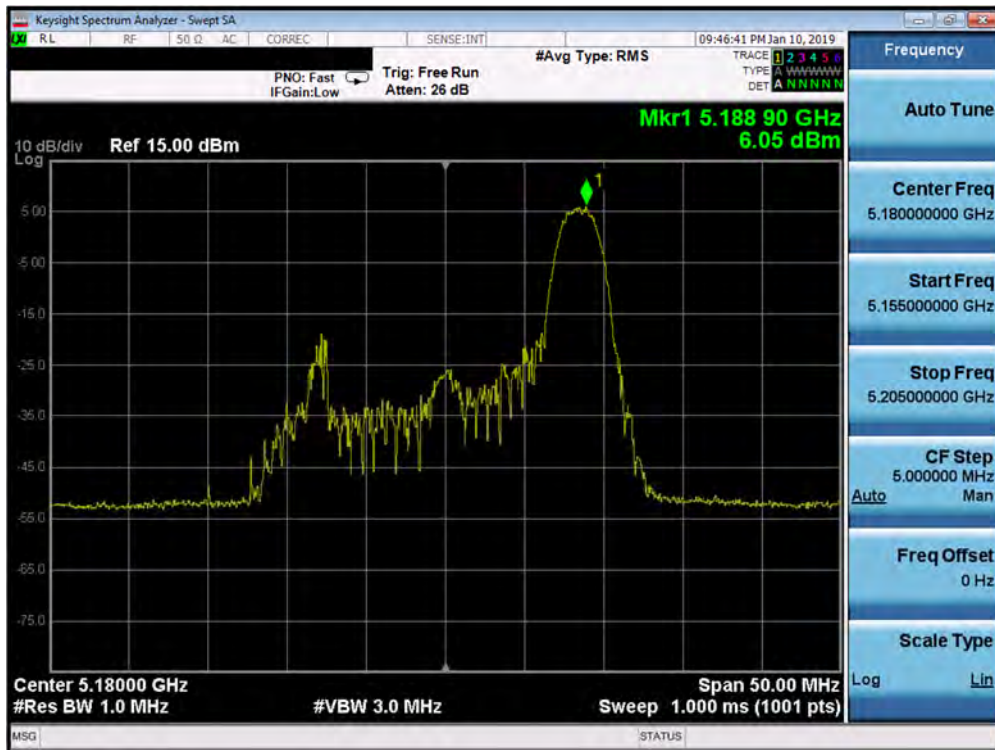


Plot 7-494. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 138)

| | | | | |
|---|--|---------------------------------------|---------|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 329 of 516 |

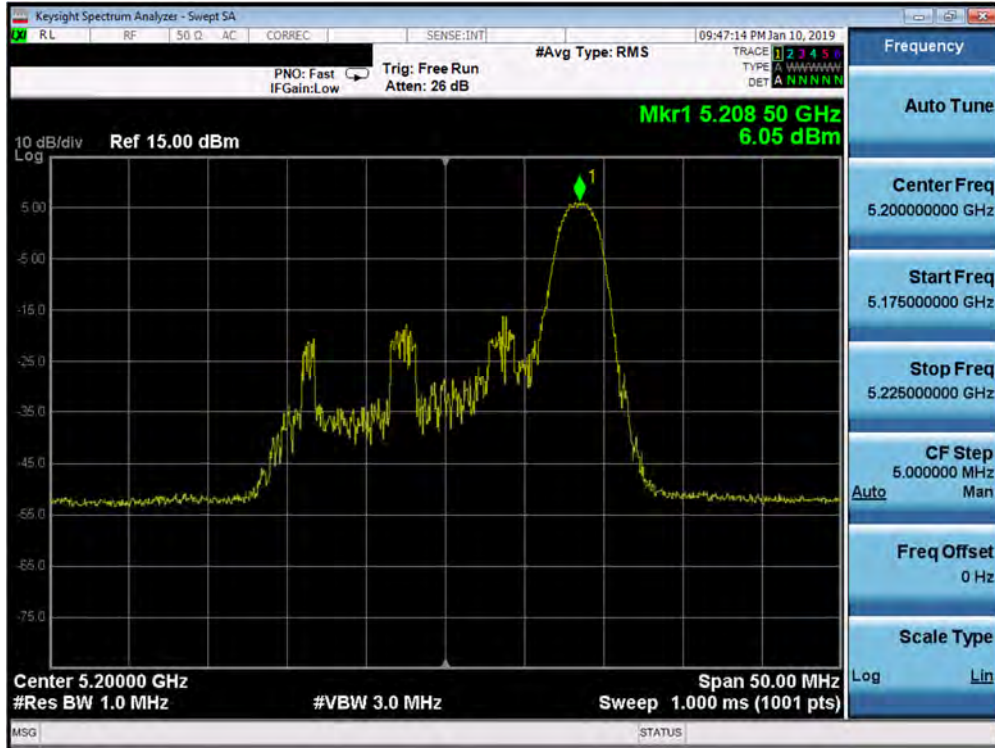


Plot 7-495. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 996 Tones (UNII Band 3) – Ch. 155)

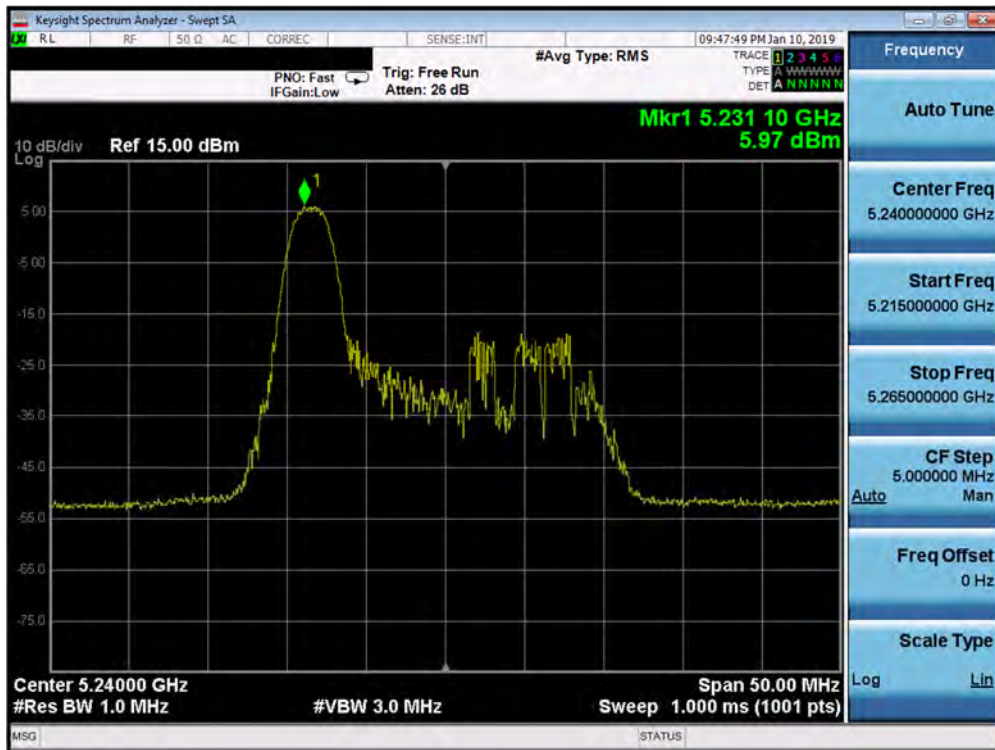


Plot 7-496. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 36)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 330 of 516 |

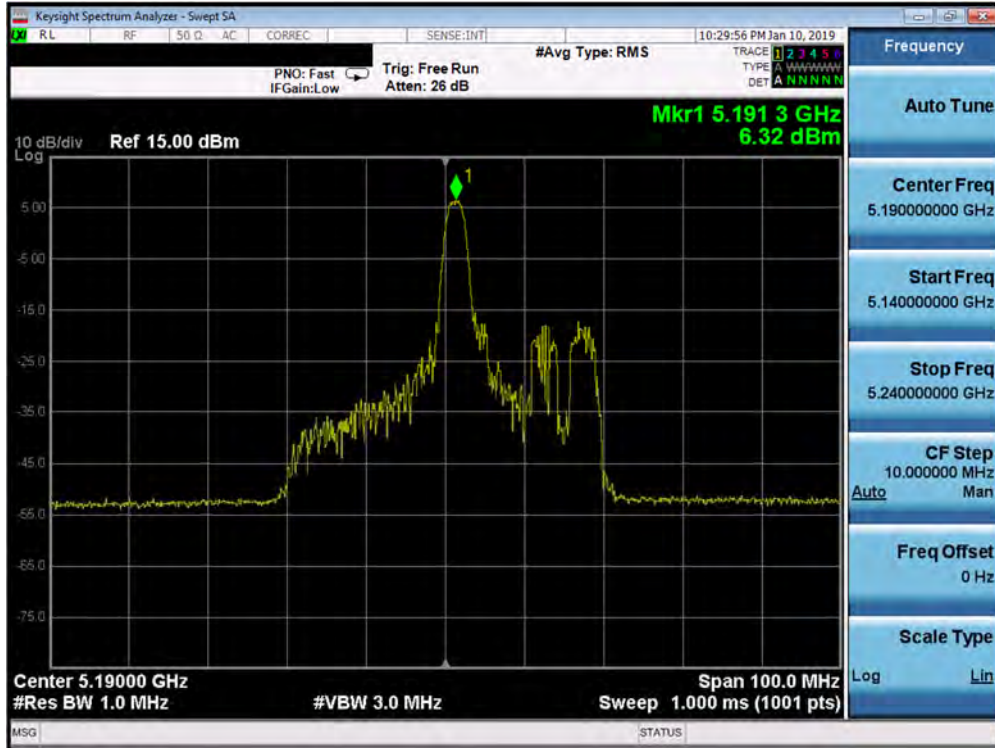


Plot 7-497. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 40)

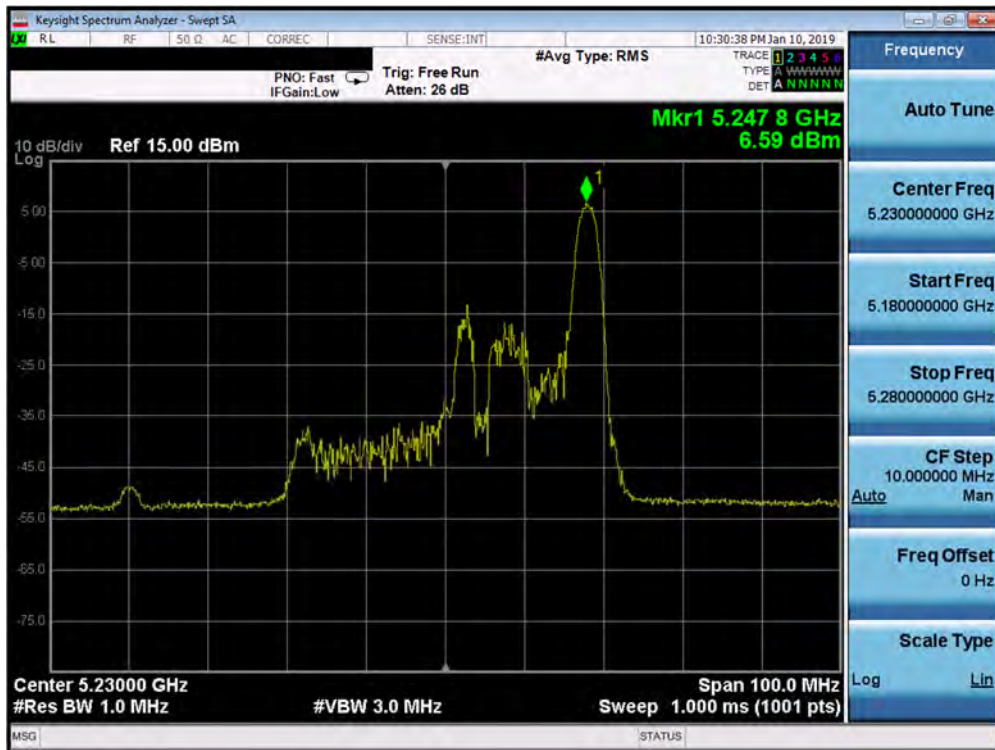


Plot 7-498. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 48)

| | | | | |
|---|--|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 331 of 516 |

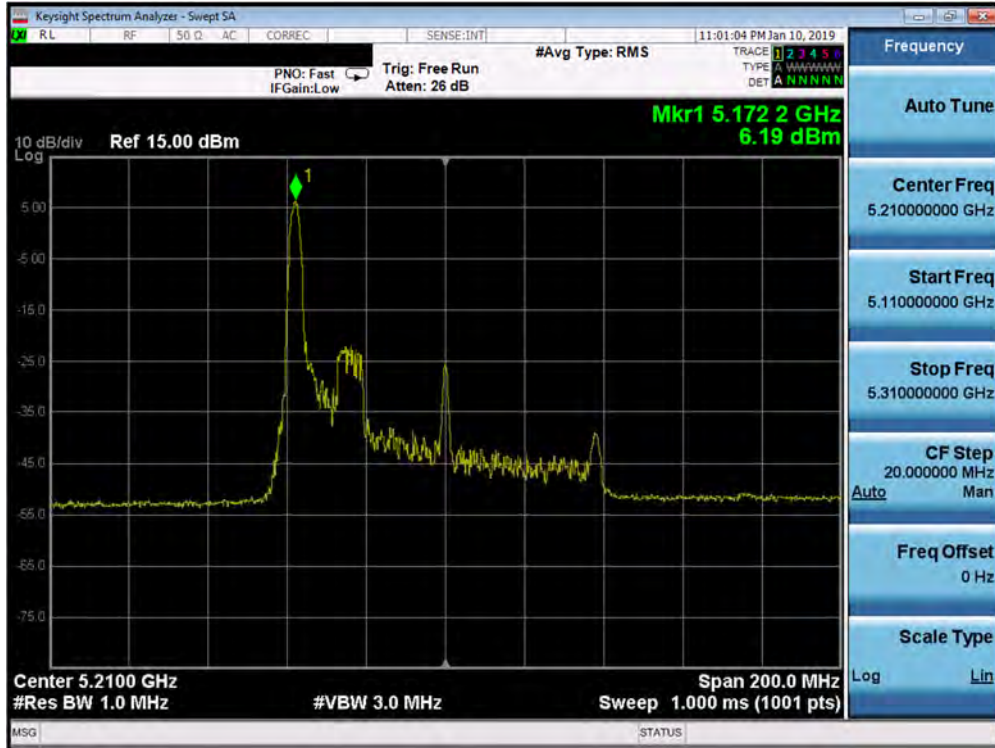


Plot 7-499. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 38)

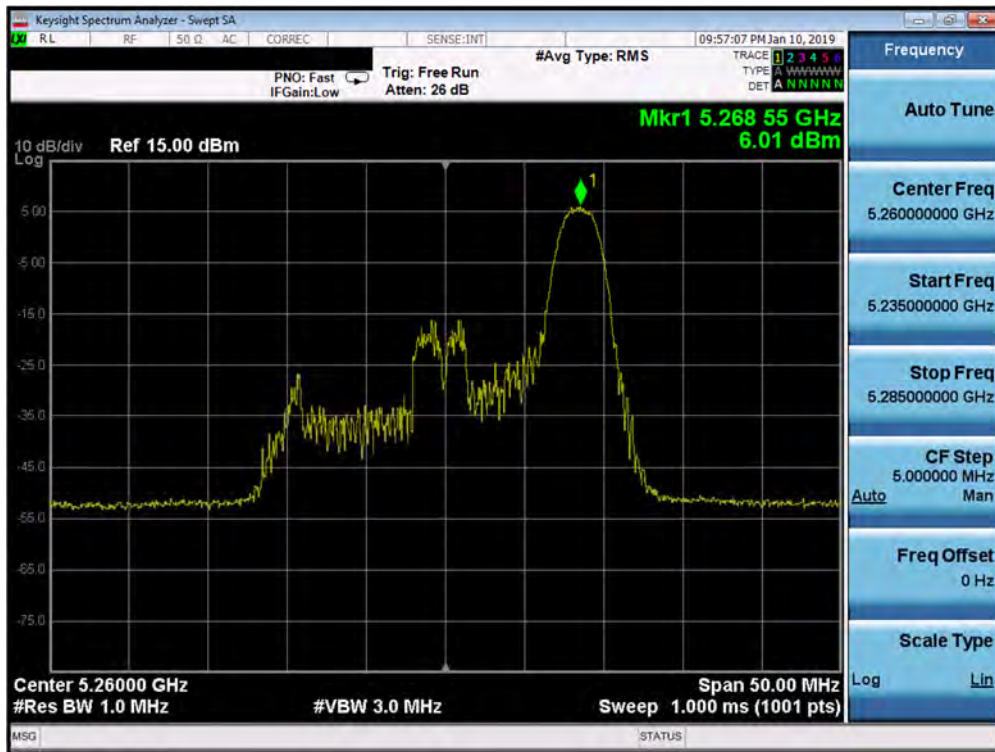


Plot 7-500. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 46)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 332 of 516 |

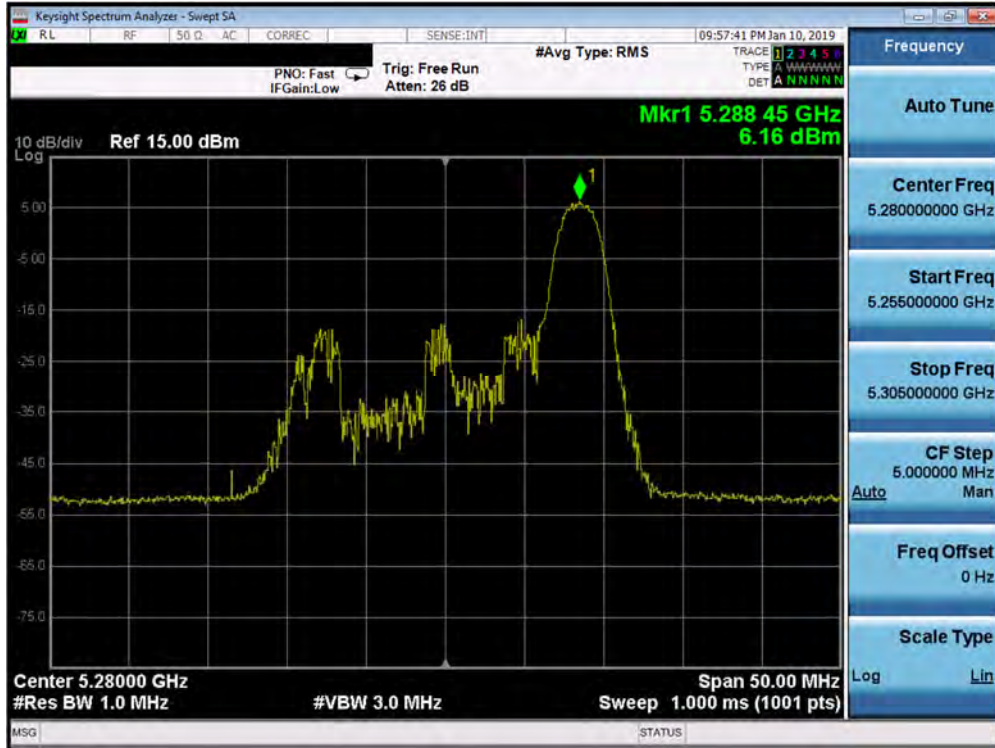


Plot 7-501. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 42)

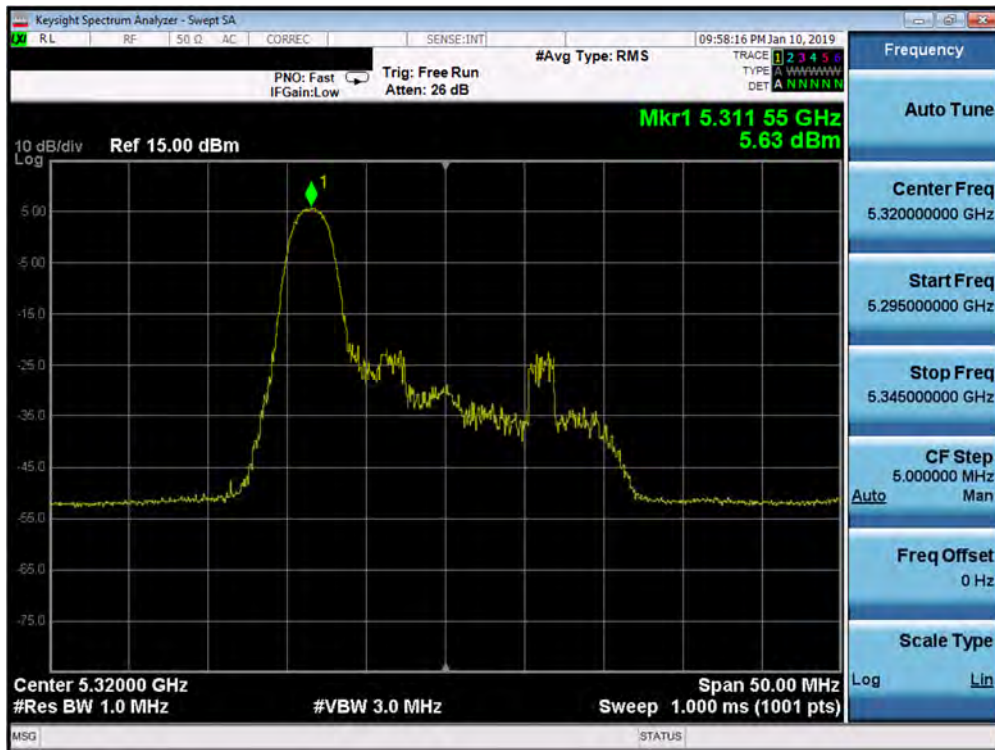


Plot 7-502. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 52)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 333 of 516 |

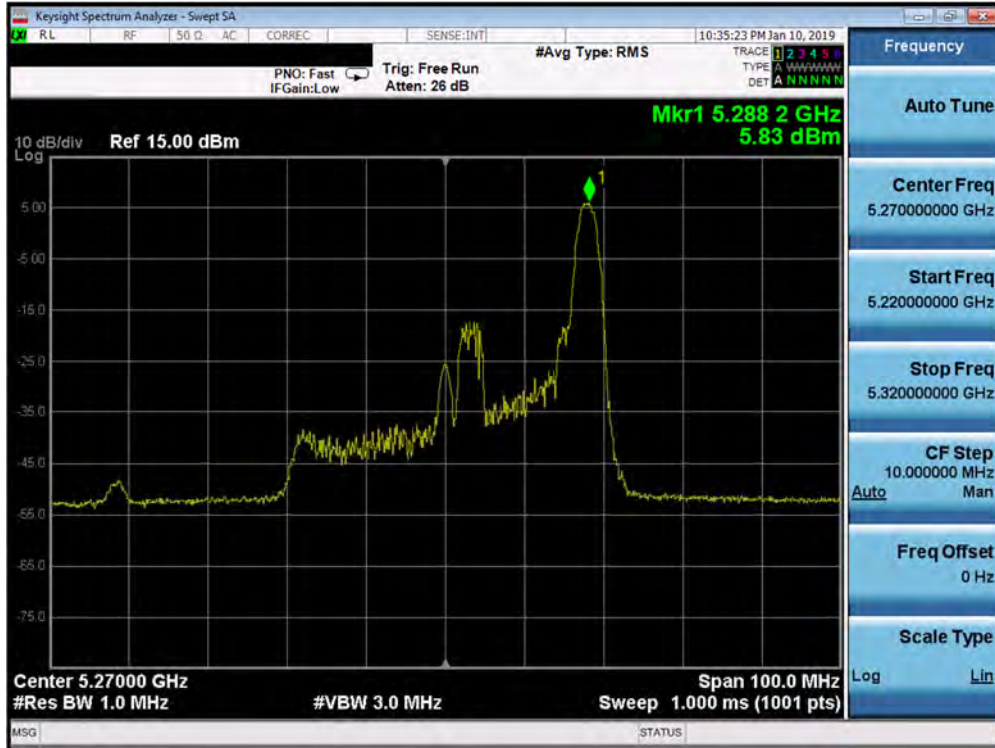


Plot 7-503. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 56)

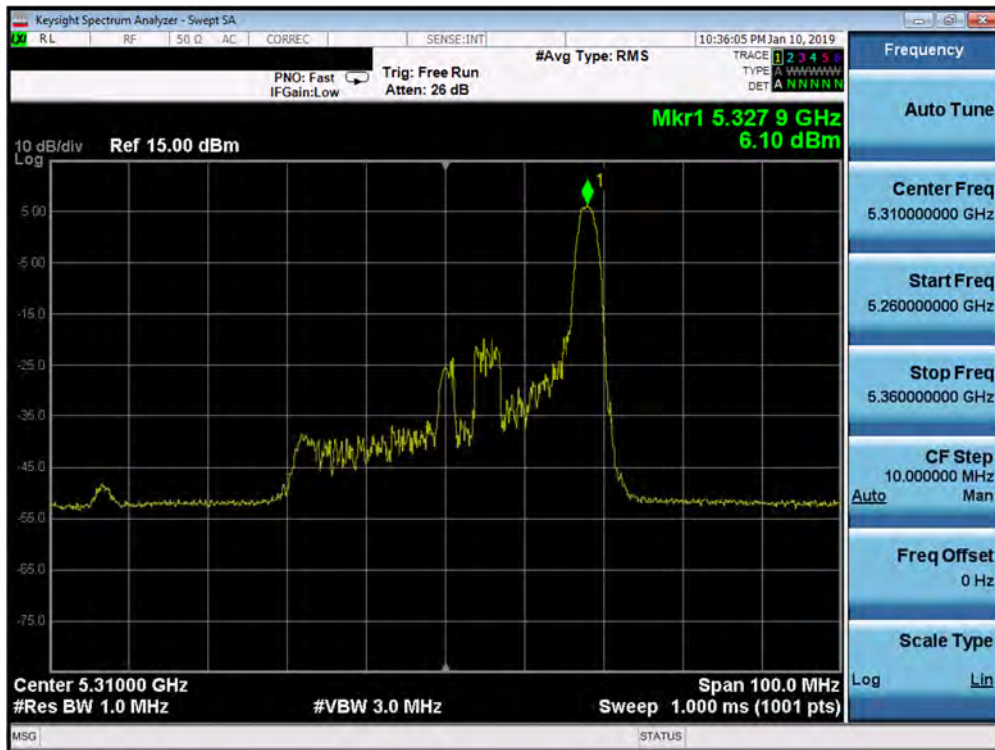


Plot 7-504. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 64)

| | | | | |
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| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 334 of 516 |

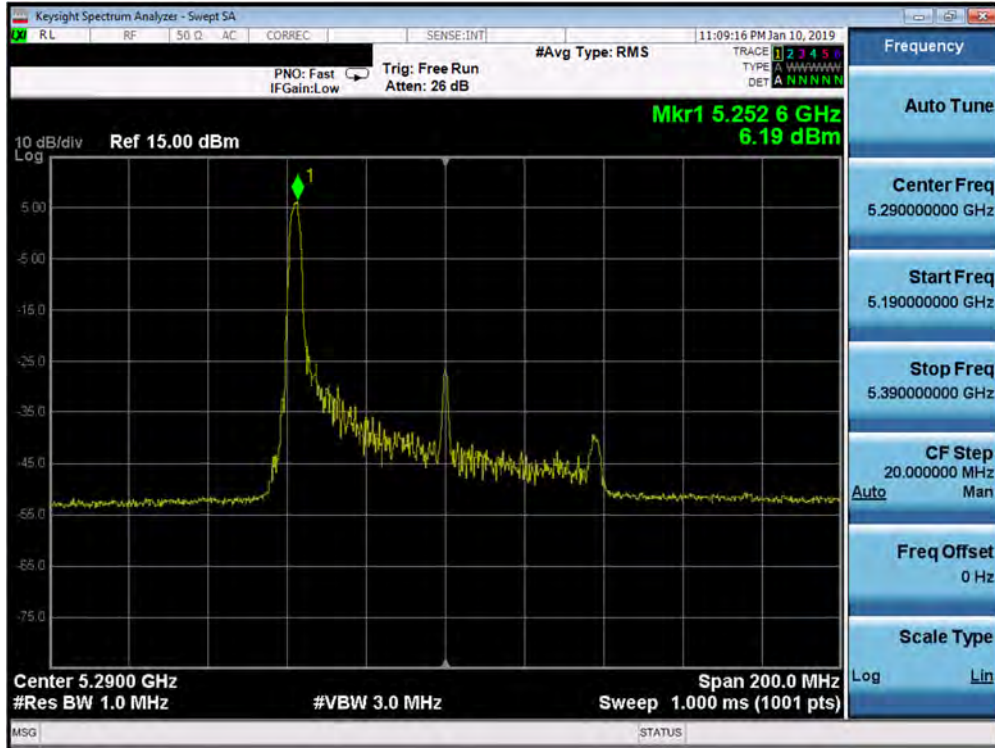


Plot 7-505. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 54)

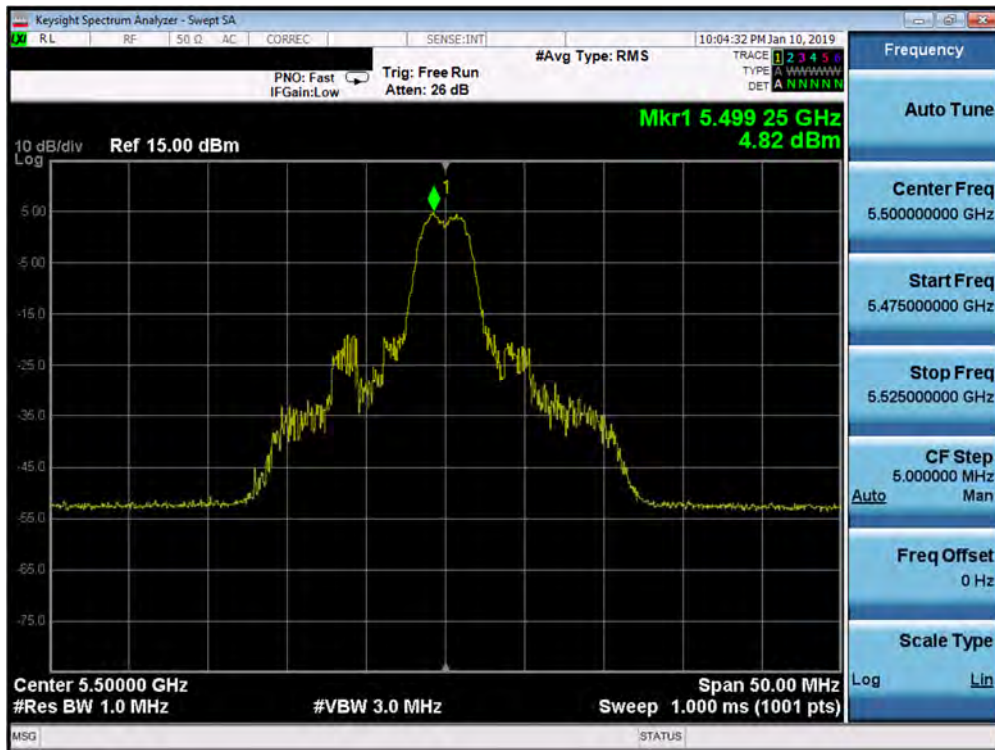


Plot 7-506. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 62)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 335 of 516 |



Plot 7-507. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 58)

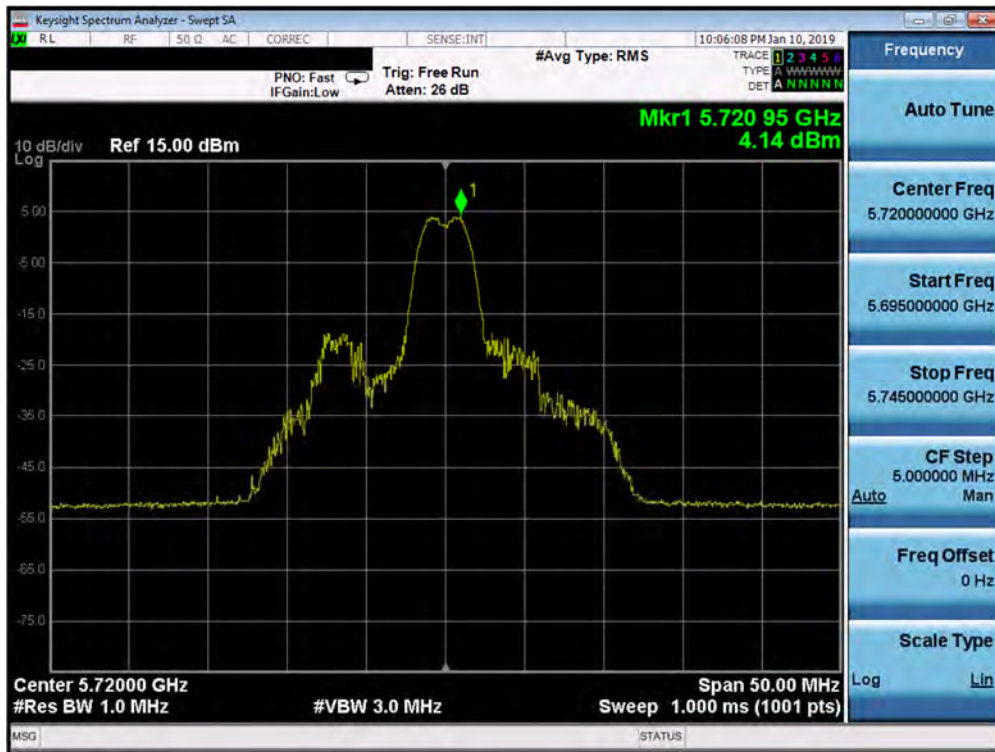


Plot 7-508. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 100)

| | | | | |
|---|--|---------------------------------------|---------|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 336 of 516 |

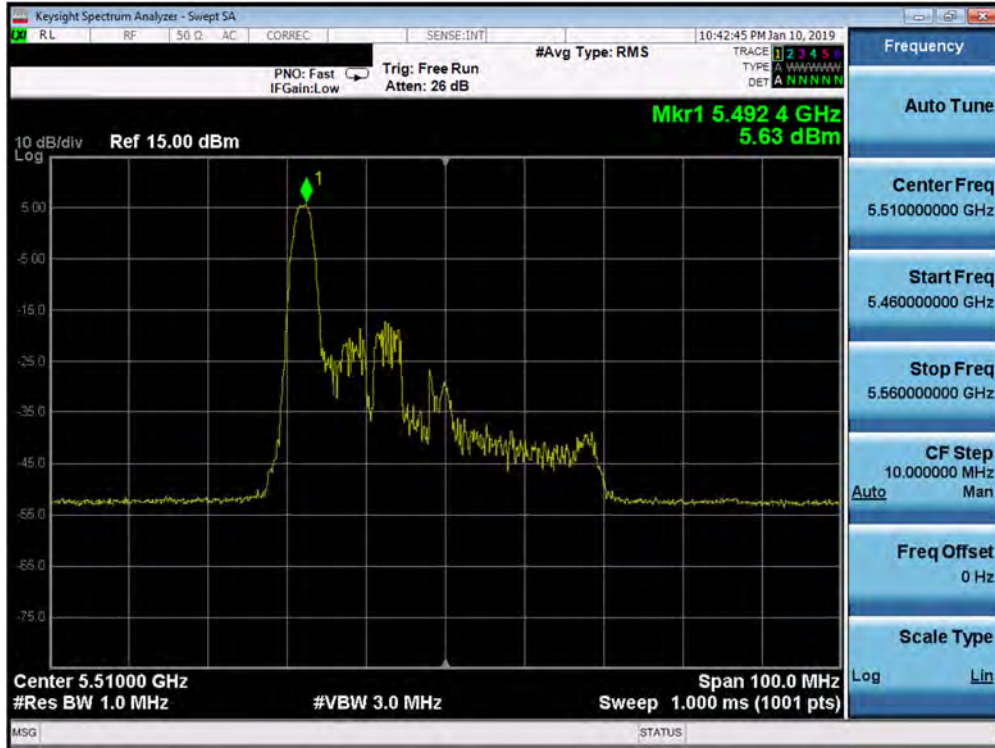


Plot 7-509. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 120)

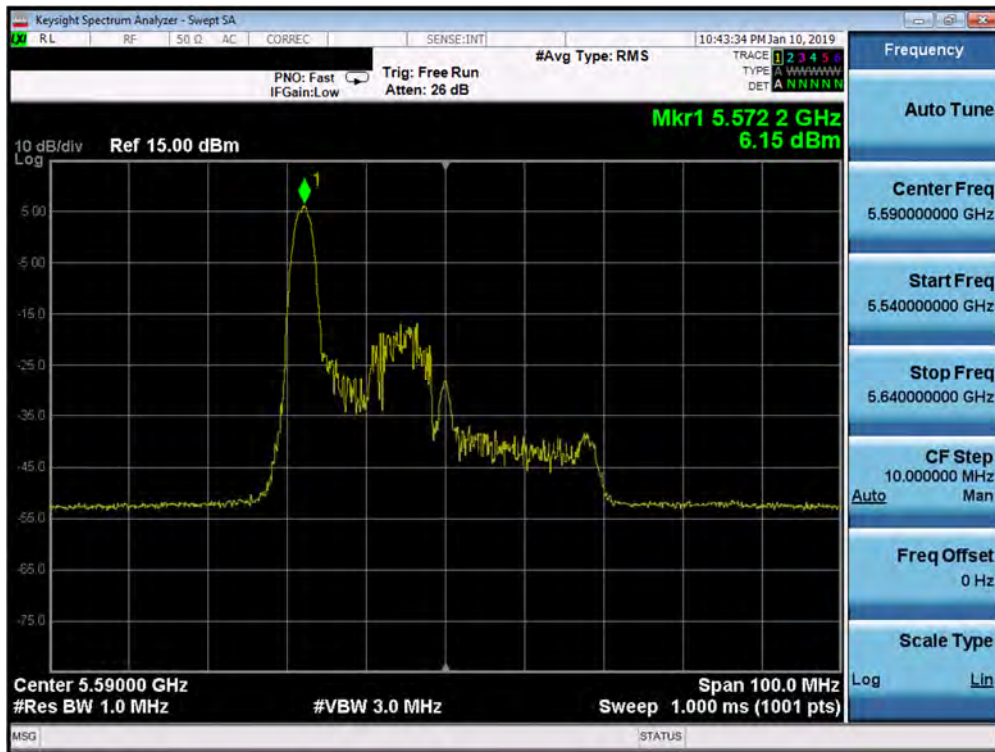


Plot 7-510. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 144)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 337 of 516 |

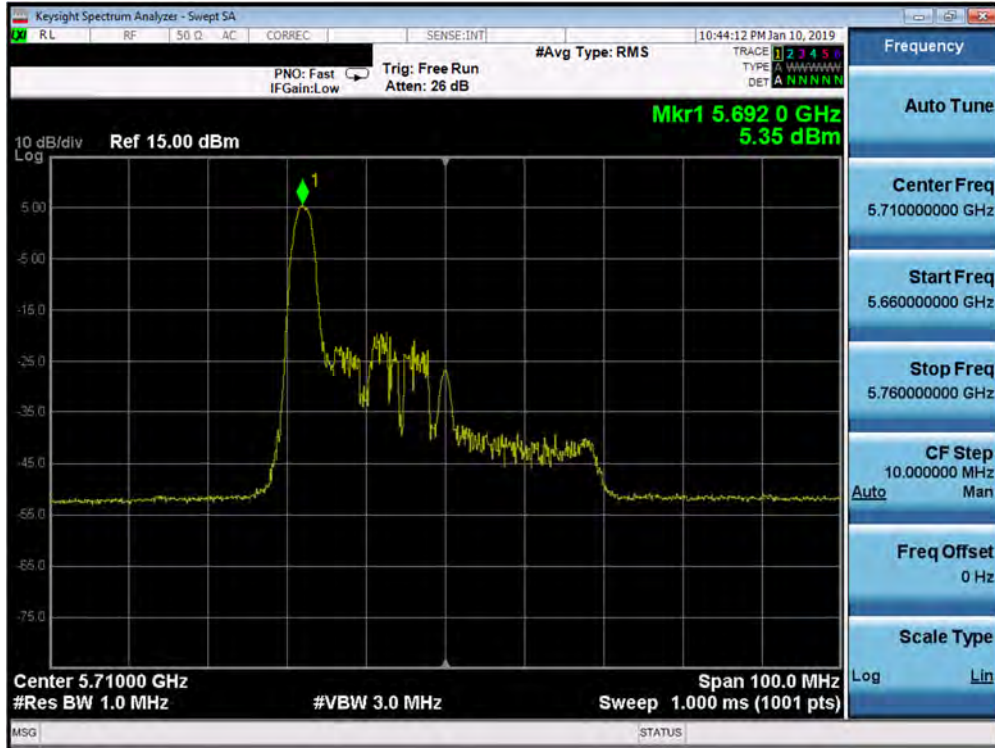


Plot 7-511. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 102)

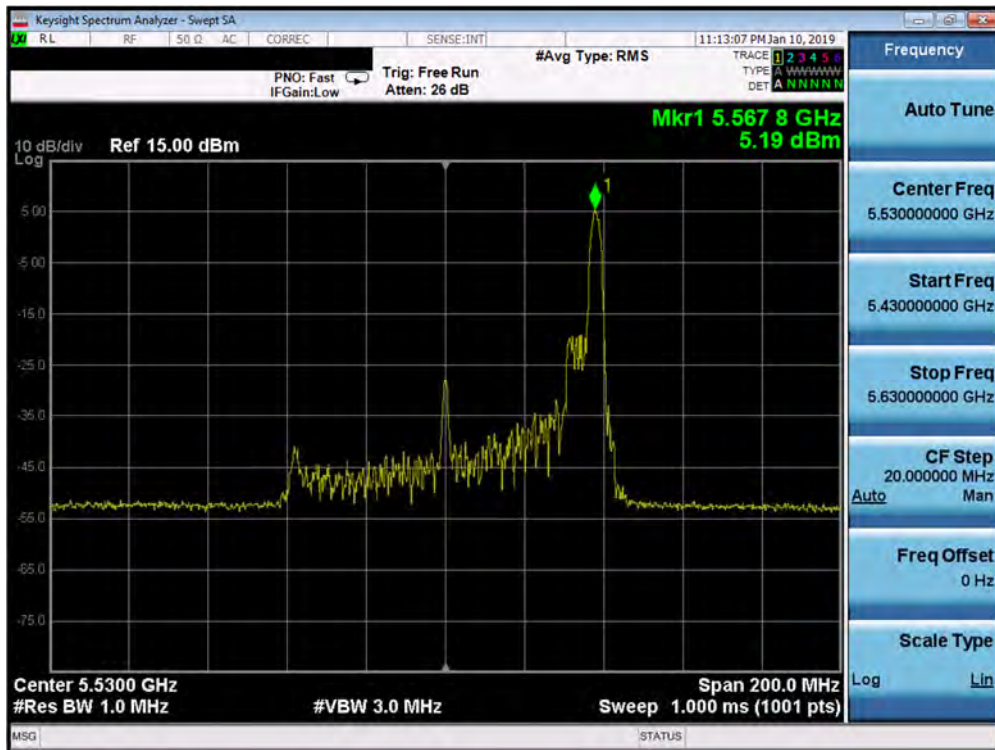


Plot 7-512. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 118)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 338 of 516 |

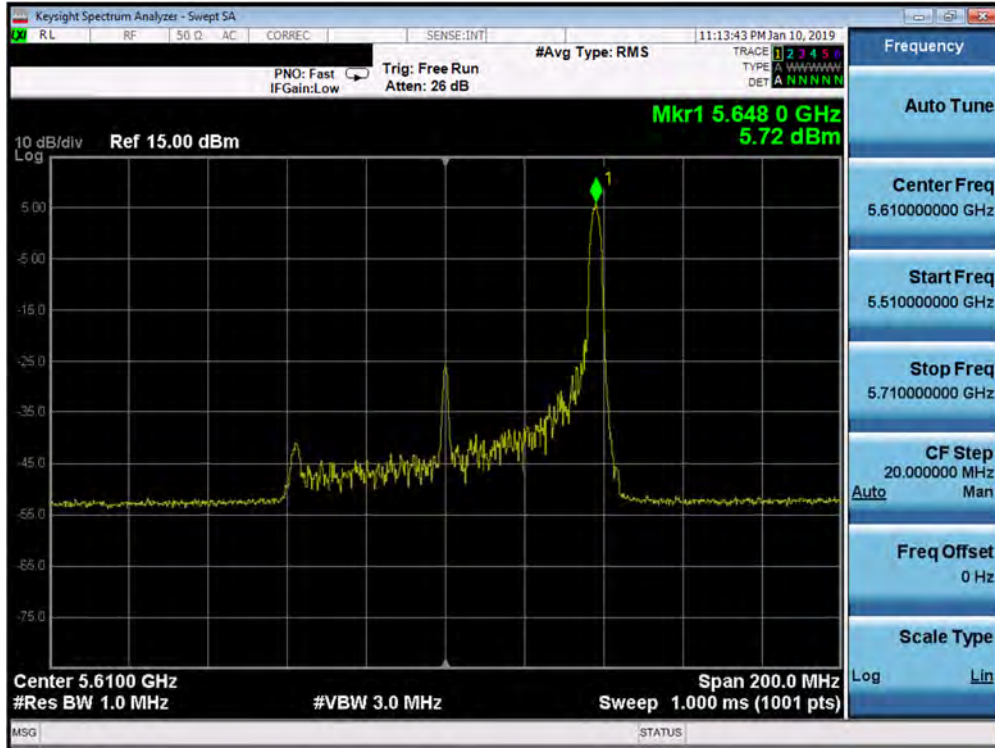


Plot 7-513. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 142)

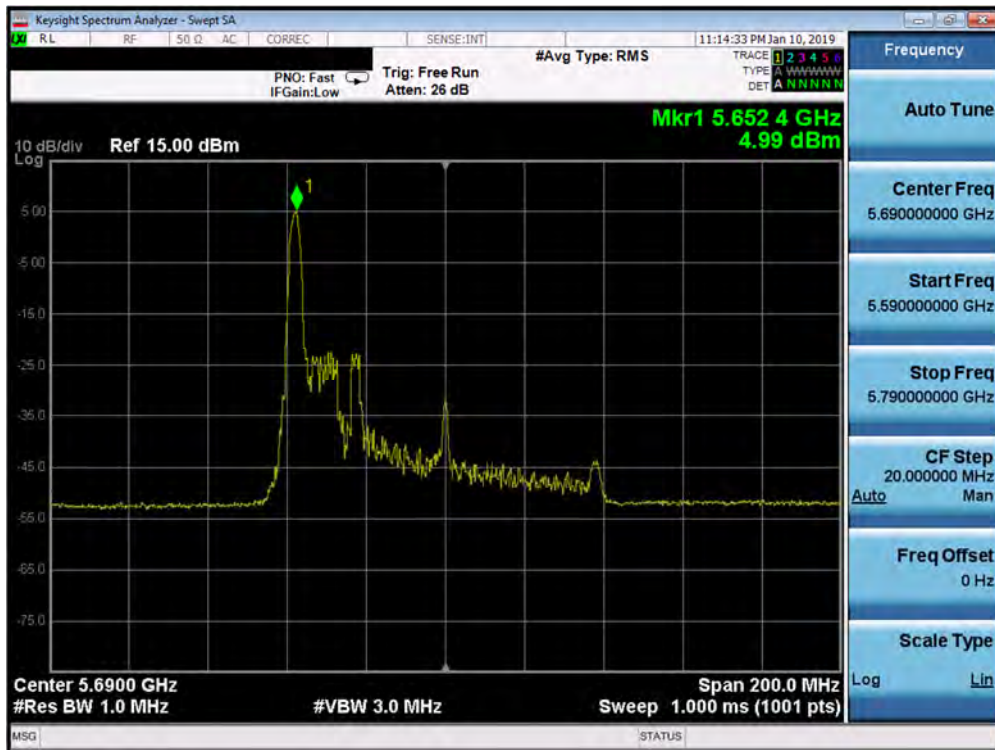


Plot 7-514. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 106)

| | | | | |
|---|--|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 339 of 516 |



Plot 7-515. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 122)

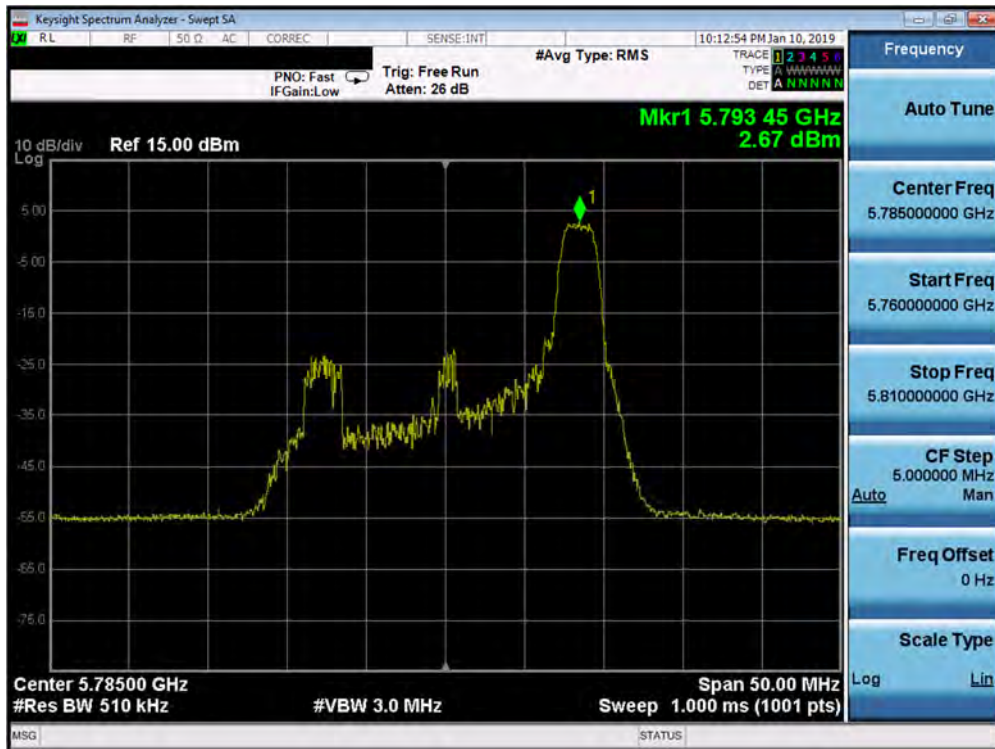


Plot 7-516. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 138)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 340 of 516 |



Plot 7-517. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)

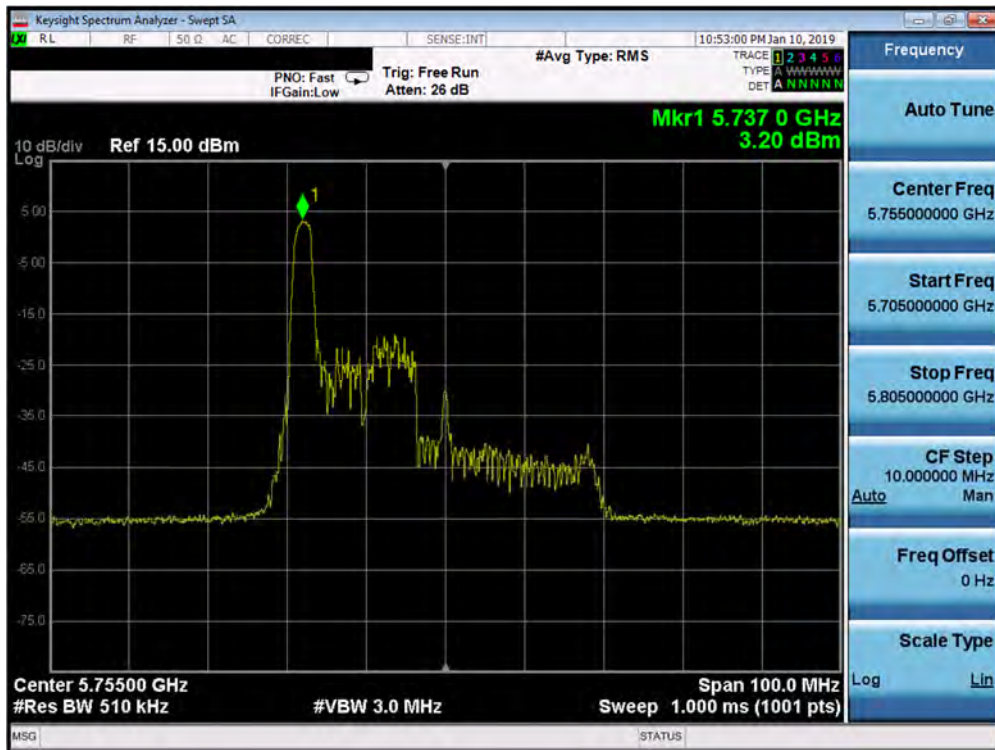


Plot 7-518. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 341 of 516 |



Plot 7-519. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)

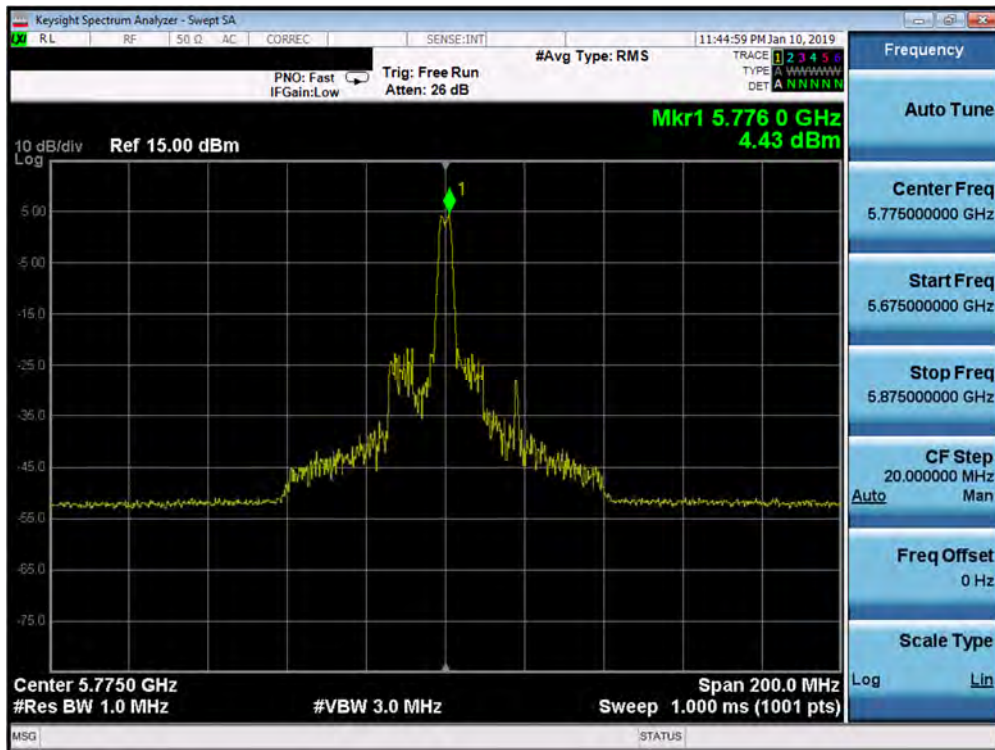


Plot 7-520. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 342 of 516 |



Plot 7-521. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)

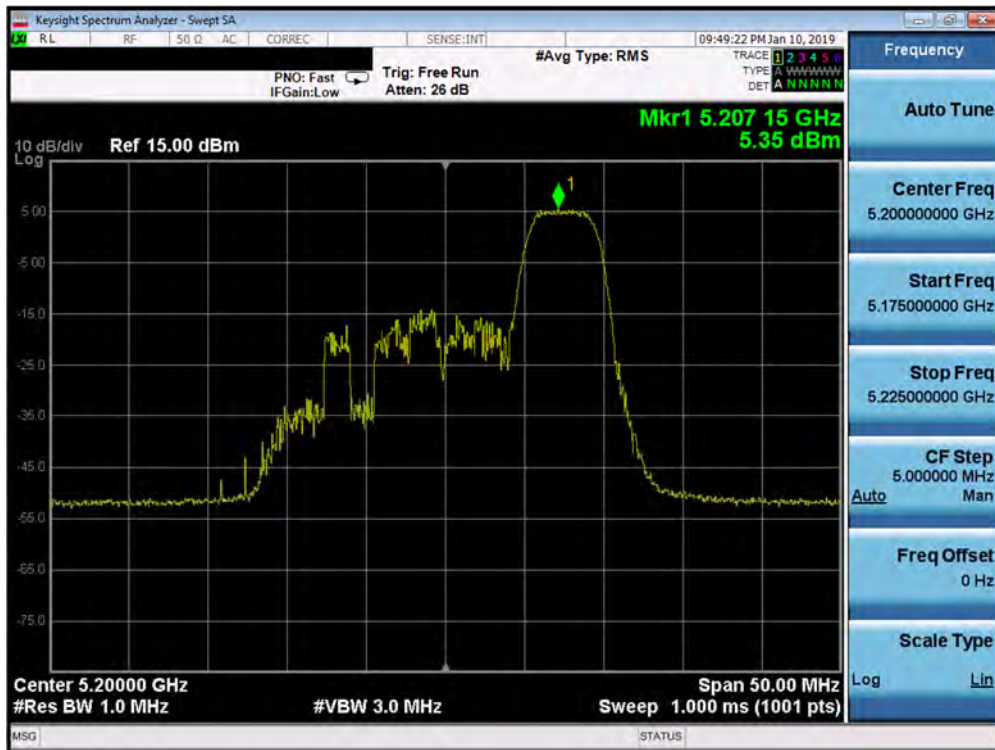


Plot 7-522. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

| | | | |
|---|-------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMG9750 | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | Page 343 of 516 |



Plot 7-523. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 1) – Ch. 36)

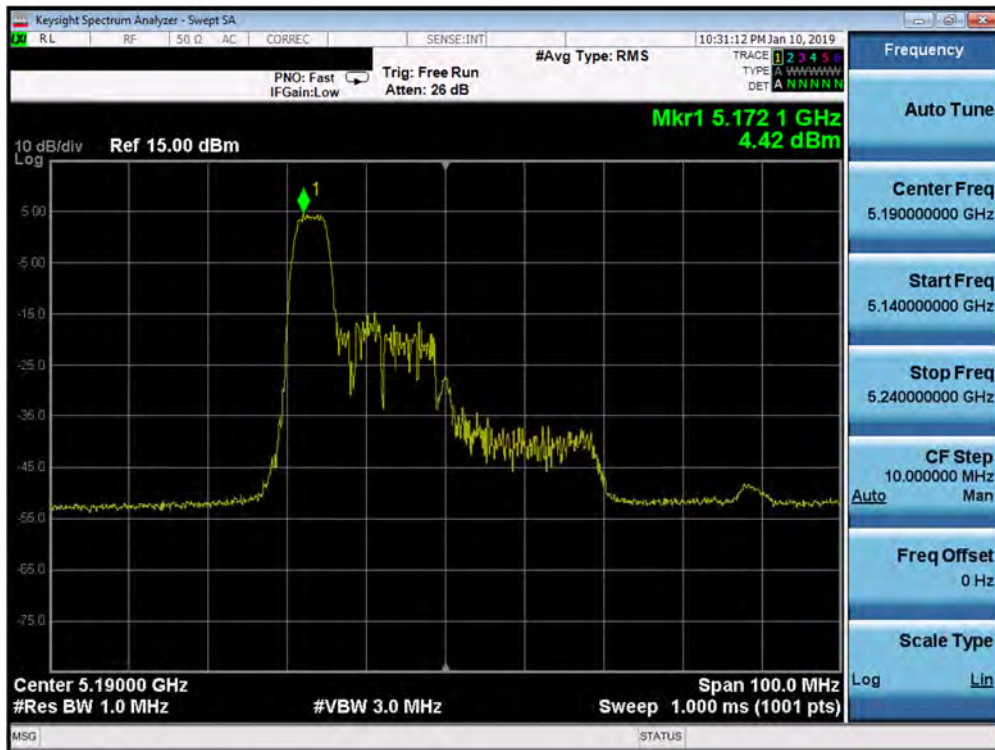


Plot 7-524. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 1) – Ch. 40)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 344 of 516 |

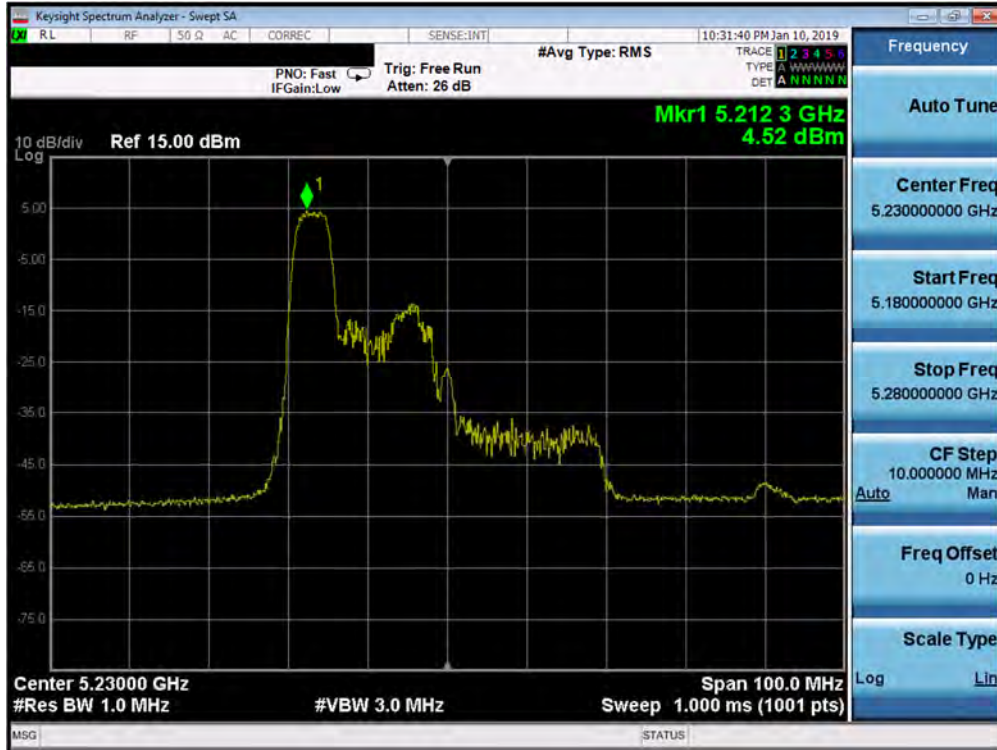


Plot 7-525. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 1) – Ch. 48)

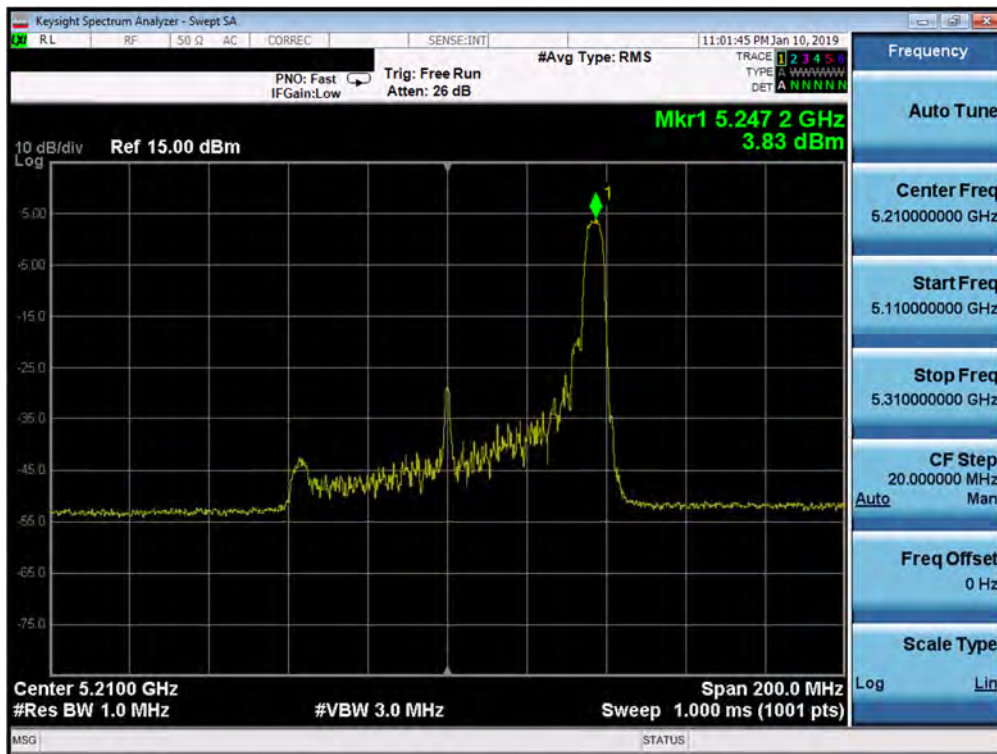


Plot 7-526. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 1) – Ch. 38)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 345 of 516 |



Plot 7-527. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 1) – Ch. 46)

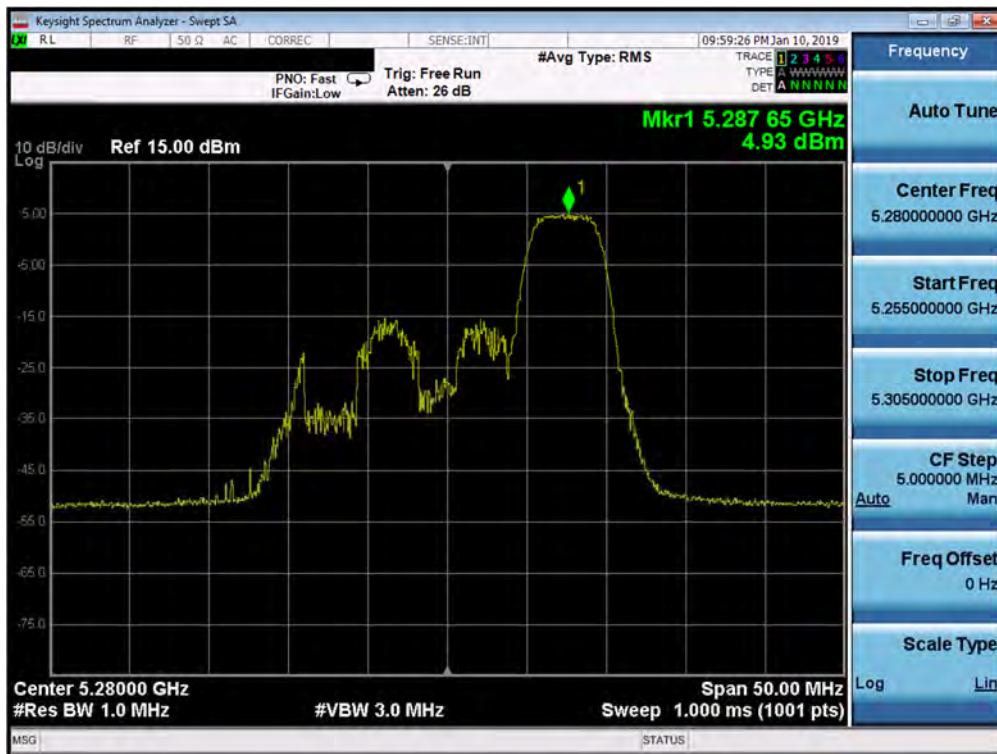


Plot 7-528. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 52 Tones (UNII Band 1) – Ch. 42)

| | | | | |
|---|--|---------------------------------------|---------|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 346 of 516 |

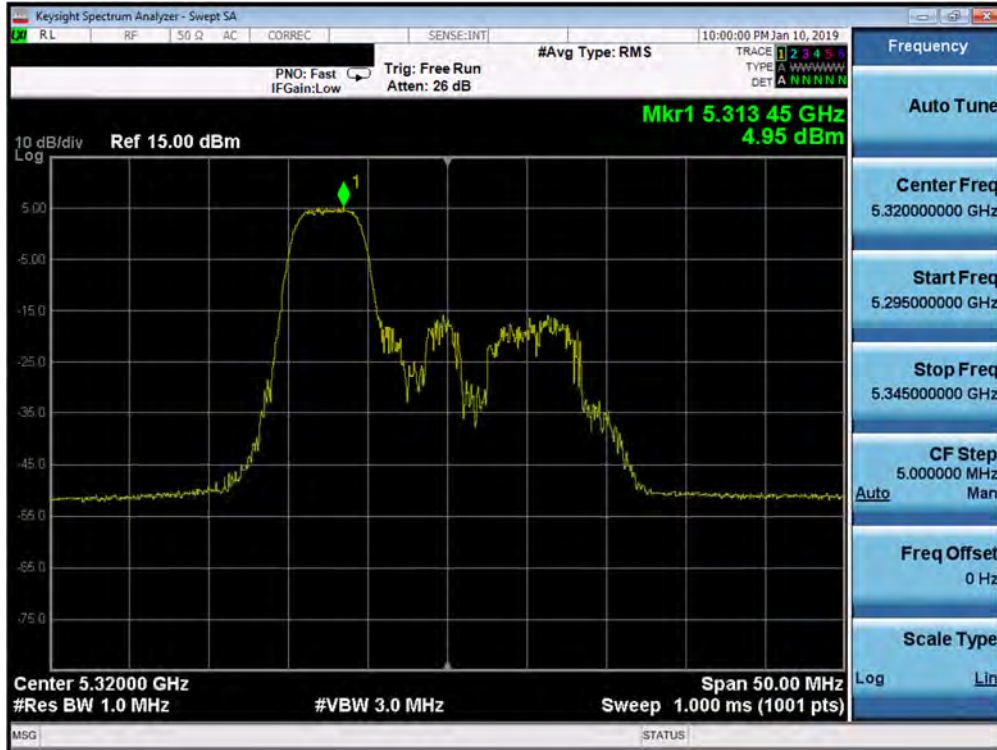


Plot 7-529. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 2A) – Ch. 52)

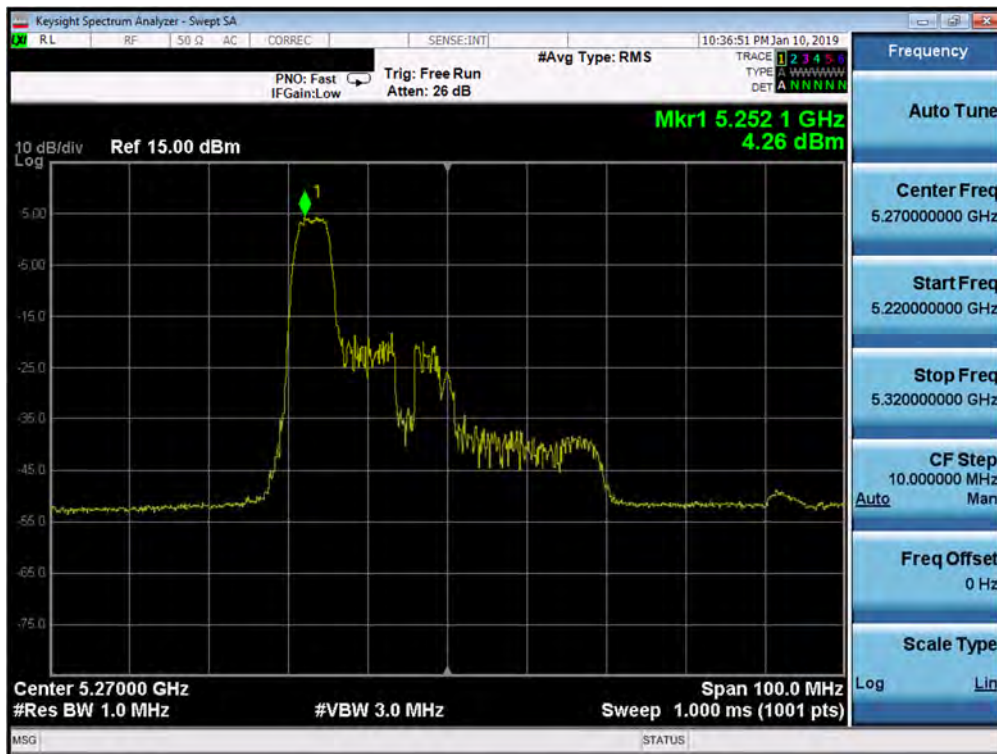


Plot 7-530. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 2A) – Ch. 56)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 347 of 516 |

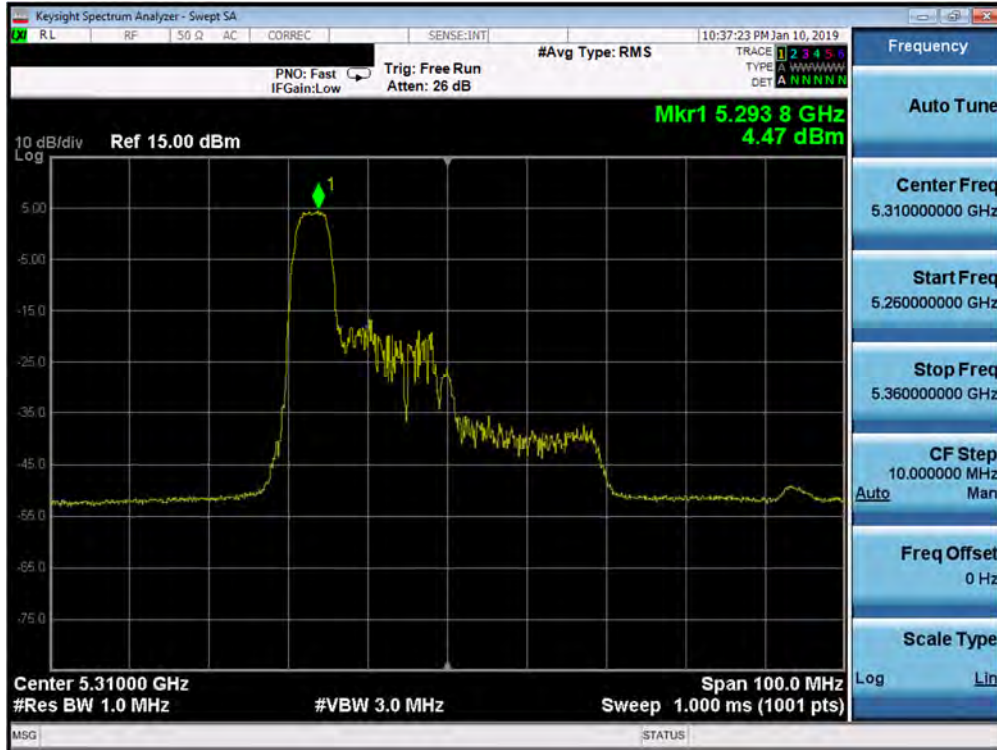


Plot 7-531. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 2A) – Ch. 64)

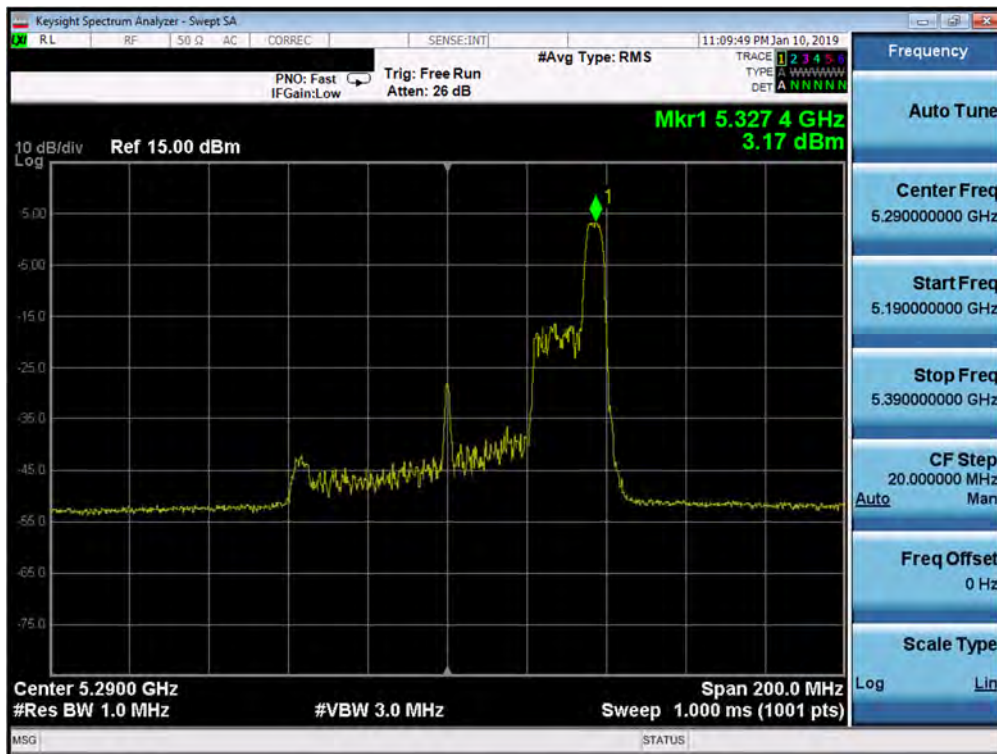


Plot 7-532. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 2A) – Ch. 54)

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| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 348 of 516 |

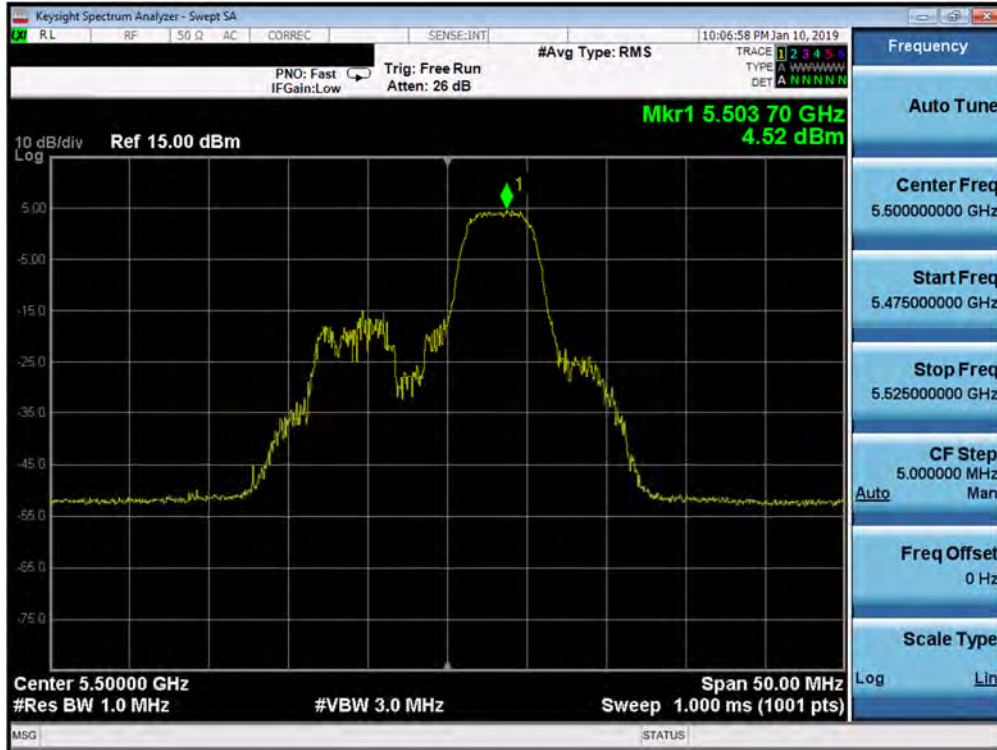


Plot 7-533. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 2A) – Ch. 62)

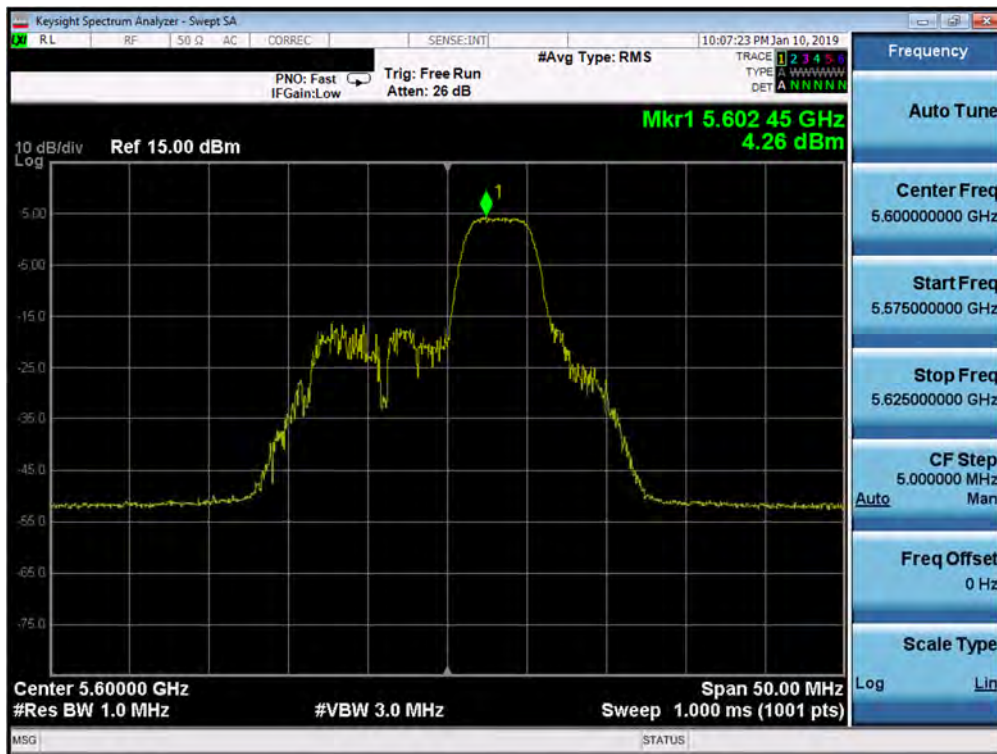


Plot 7-534. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 52 Tones (UNII Band 2A) – Ch. 58)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 349 of 516 |

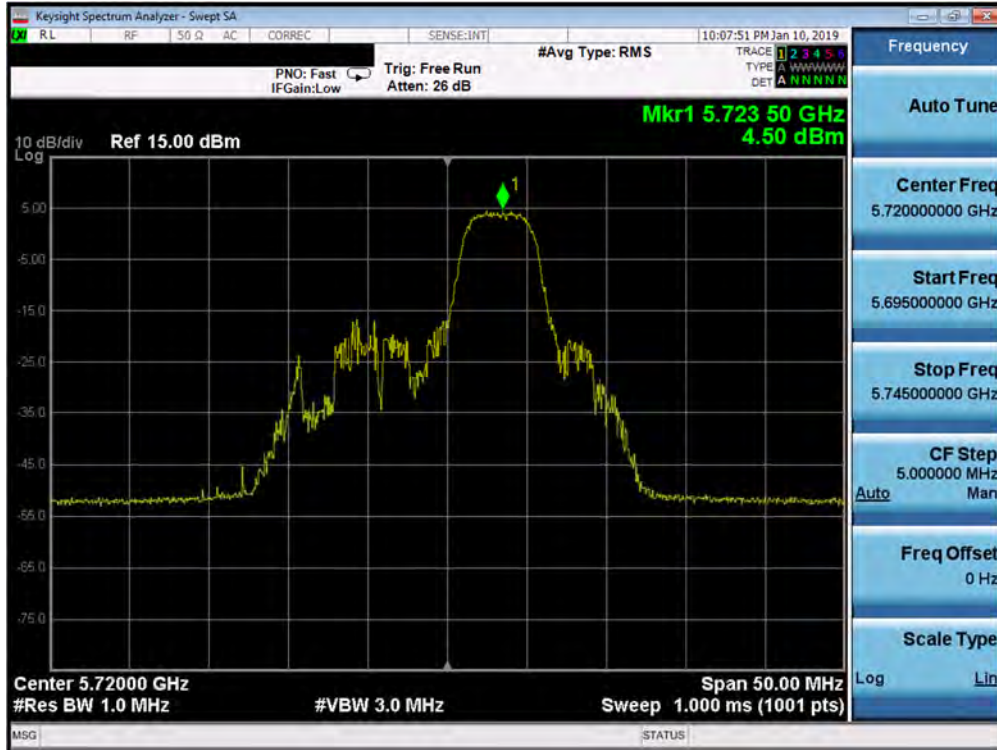


Plot 7-535. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 100)

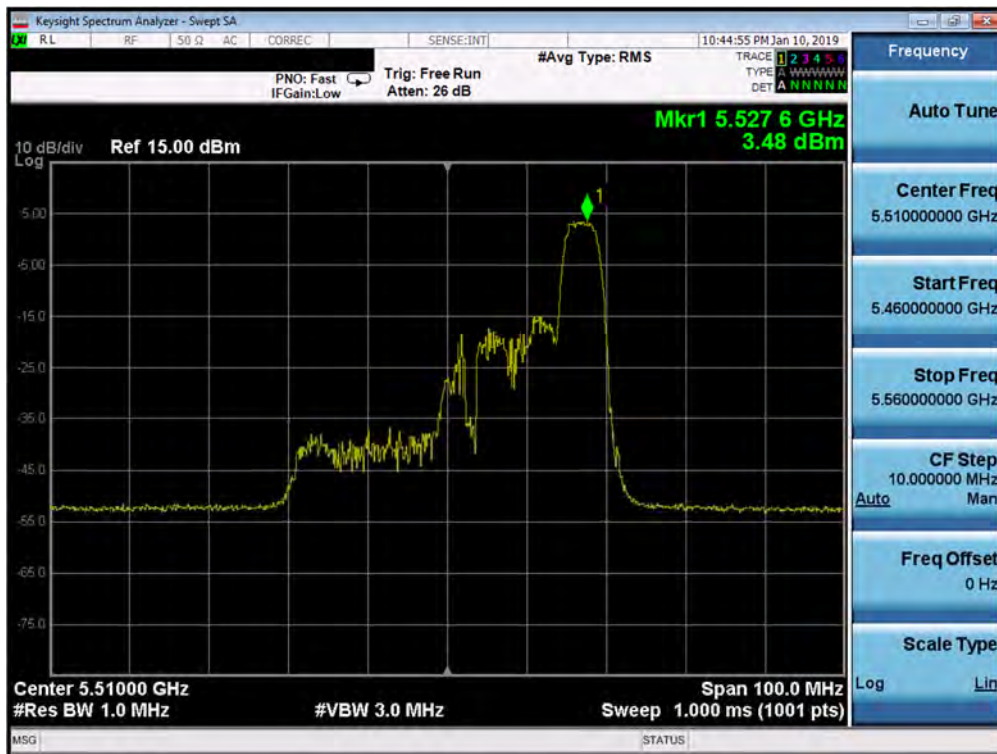


Plot 7-536. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 120)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 350 of 516 |

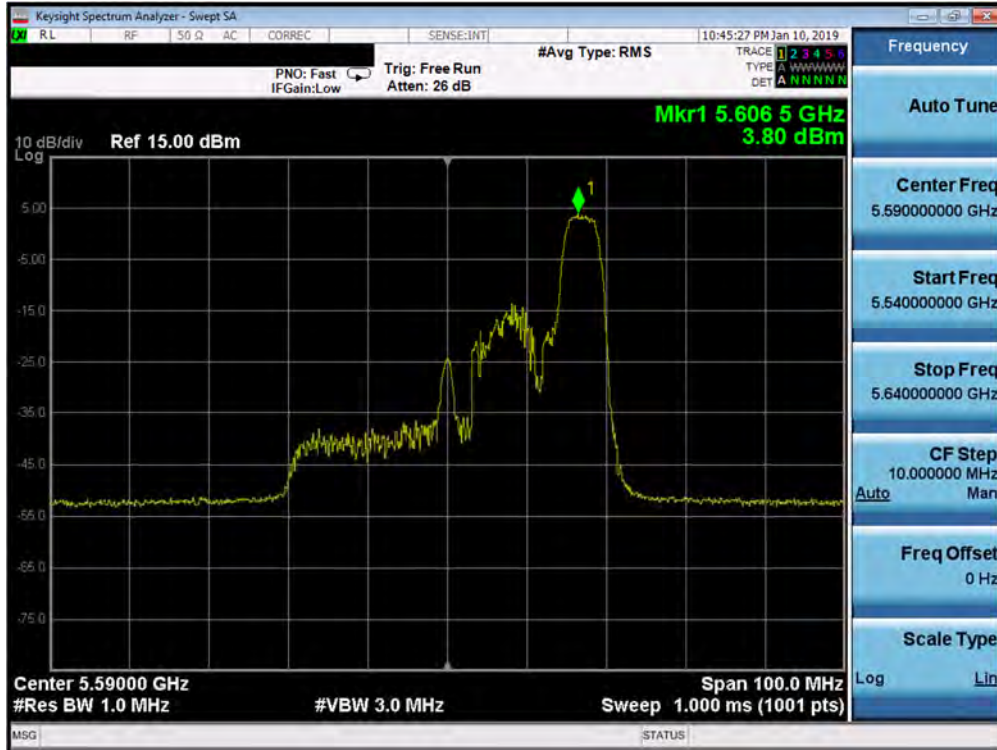


Plot 7-537. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 144)

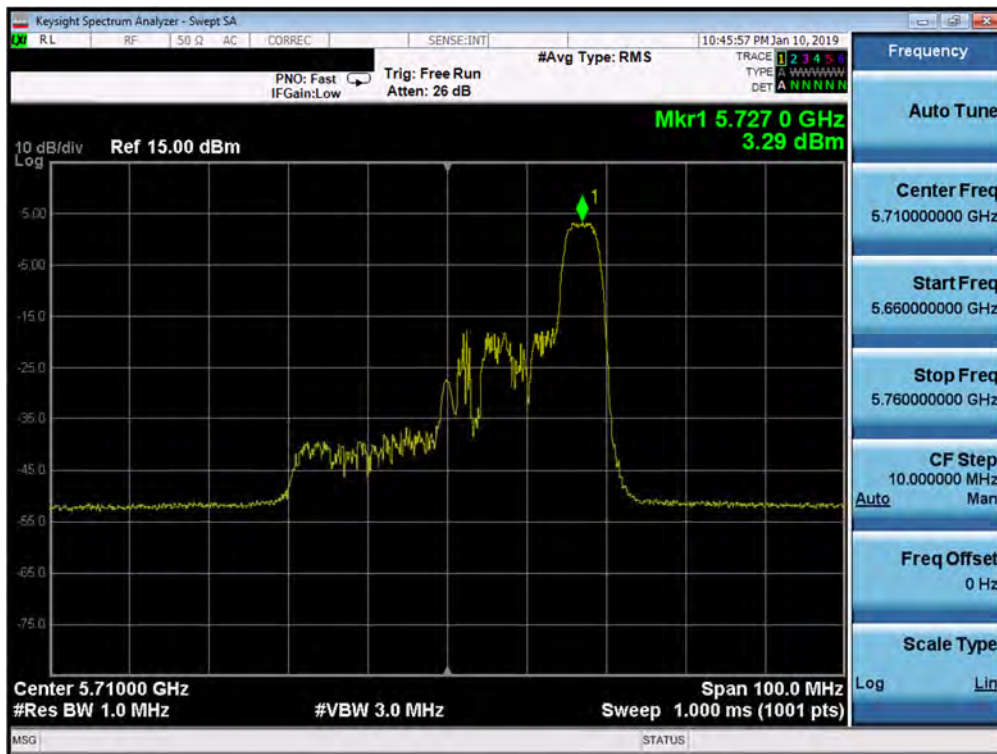


Plot 7-538. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 102)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 351 of 516 |

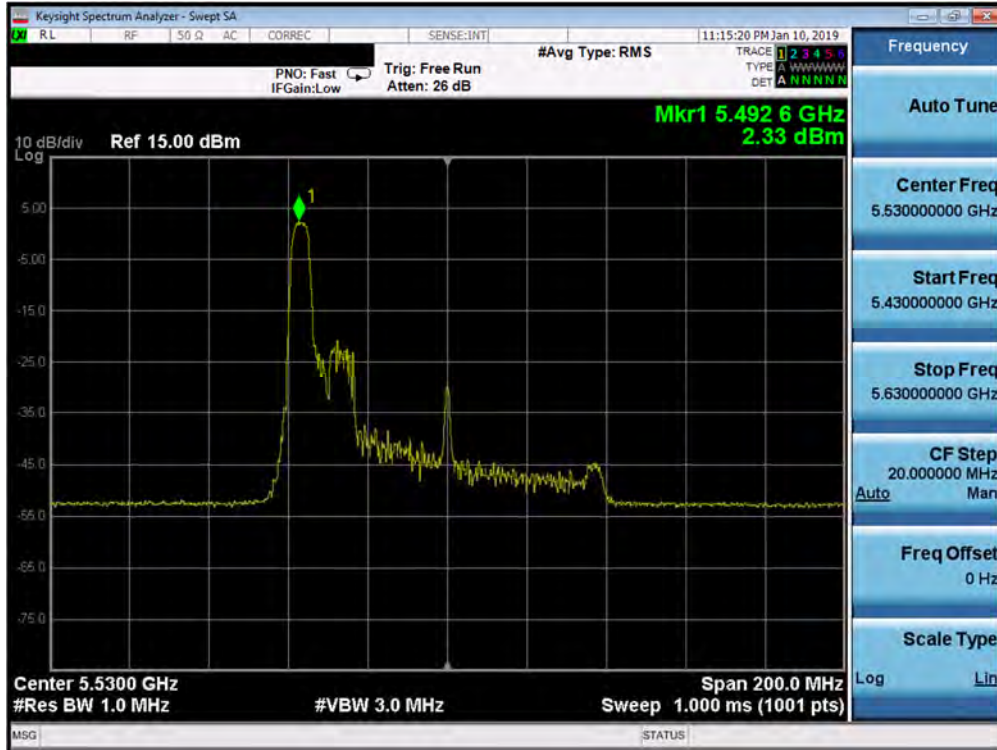


Plot 7-539. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 118)

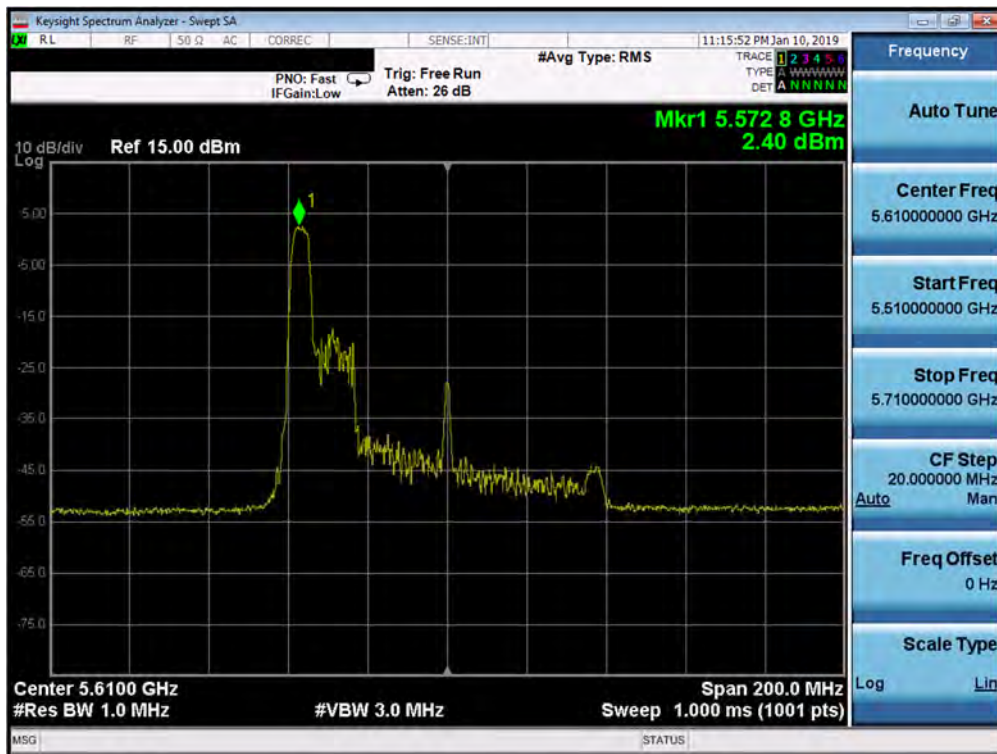


Plot 7-540. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 142)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 352 of 516 |

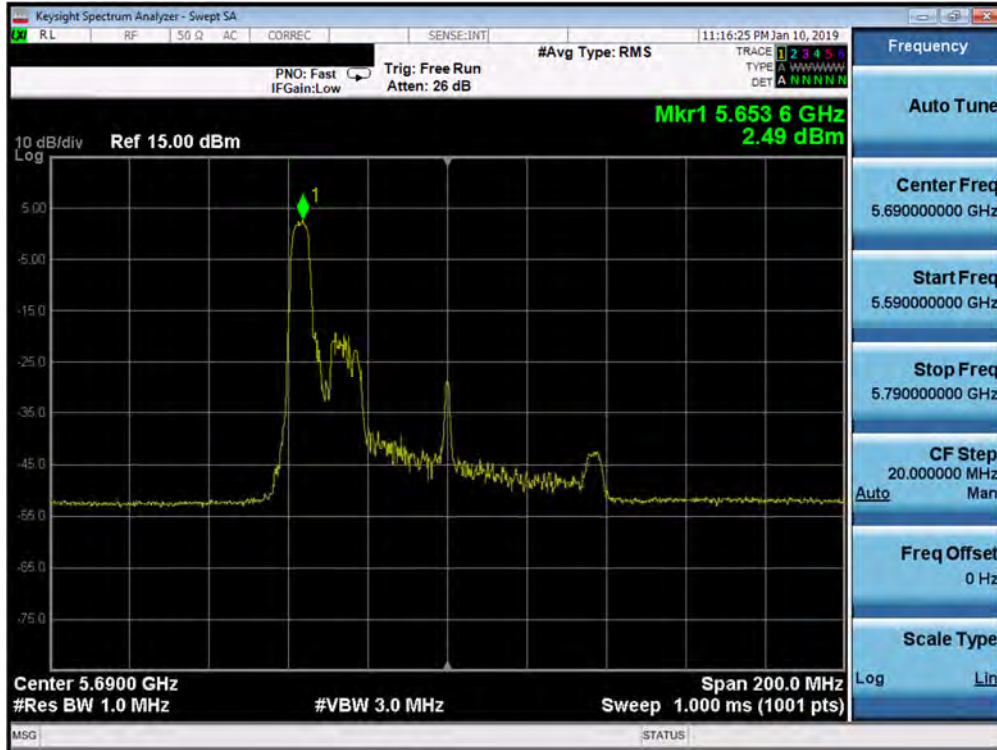


Plot 7-541. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 106)

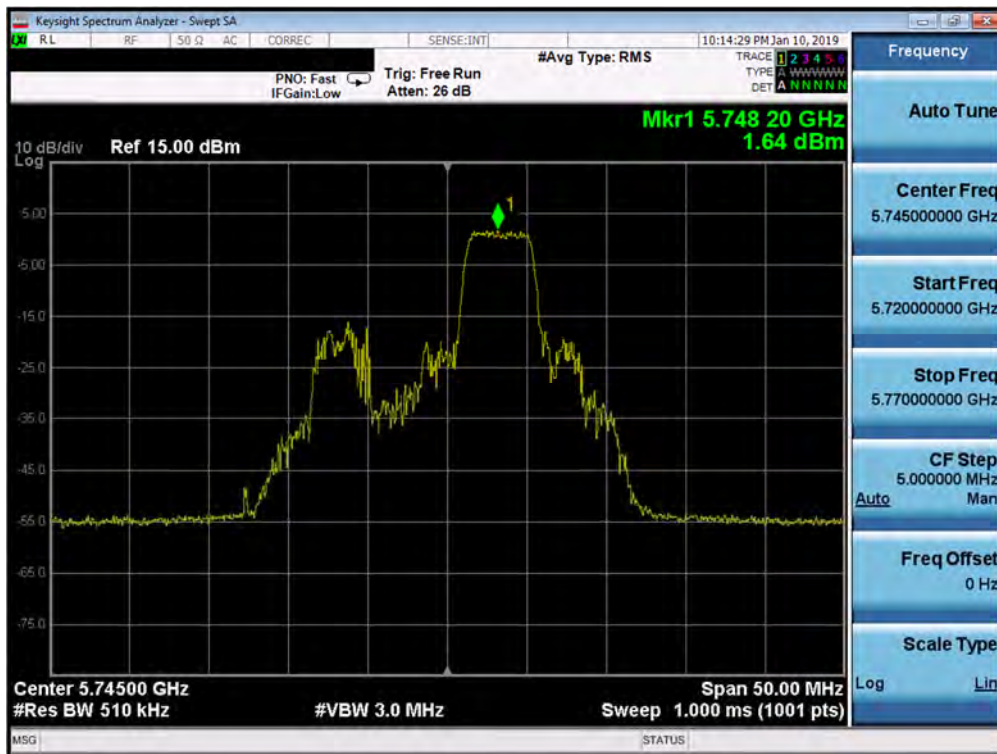


Plot 7-542. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 122)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 353 of 516 |

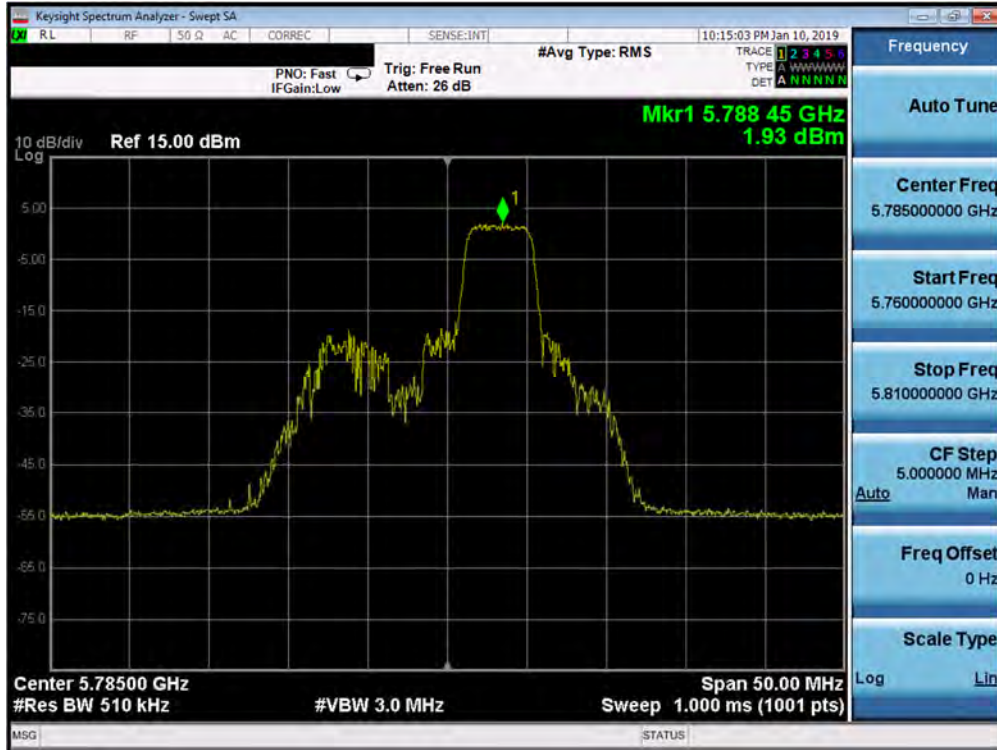


Plot 7-543. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 52 Tones (UNII Band 2C) – Ch. 138)

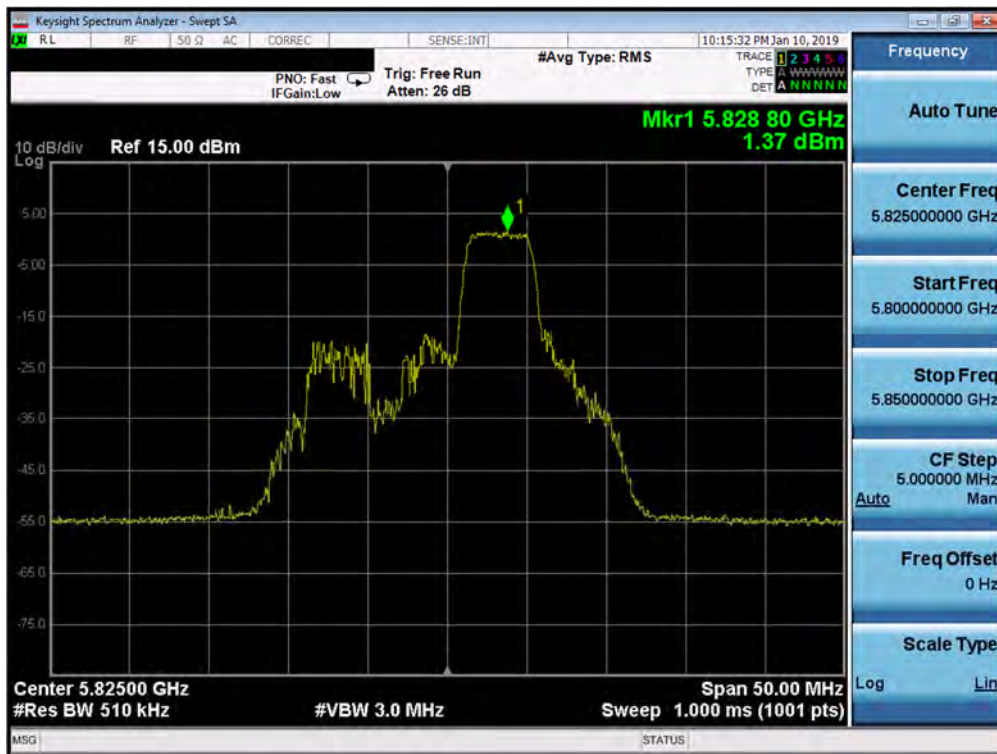


Plot 7-544. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 3) – Ch. 149)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 354 of 516 |

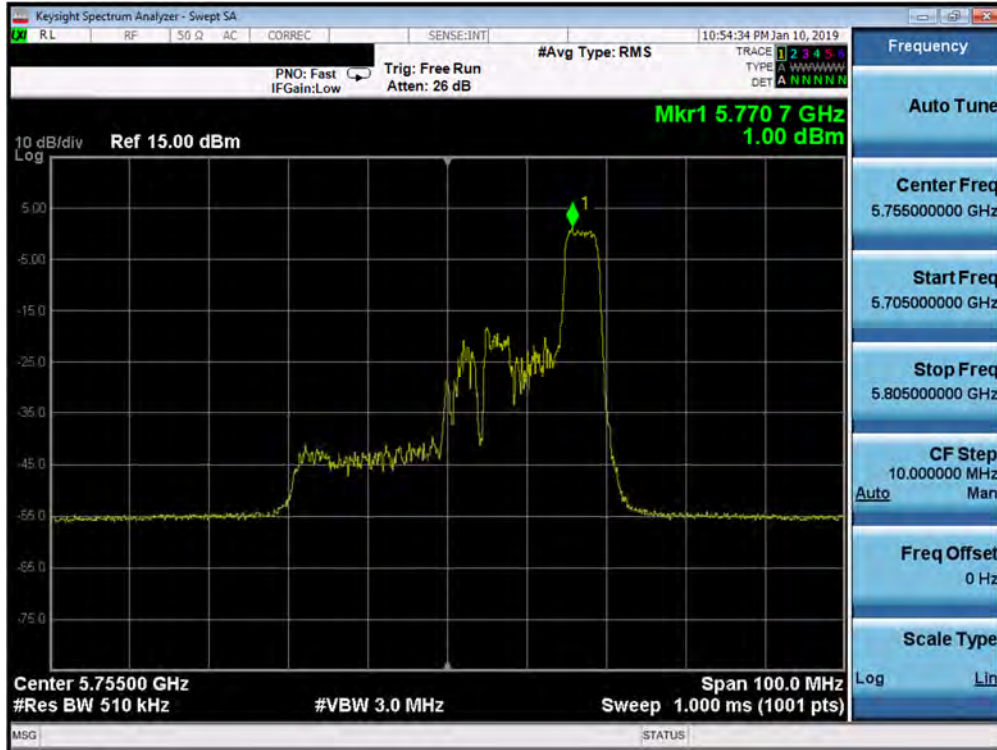


Plot 7-545. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 3) – Ch. 157)



Plot 7-546. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 52 Tones (UNII Band 3) – Ch. 165)

| | | | | |
|---|--|---------------------------------------|---------|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 355 of 516 |

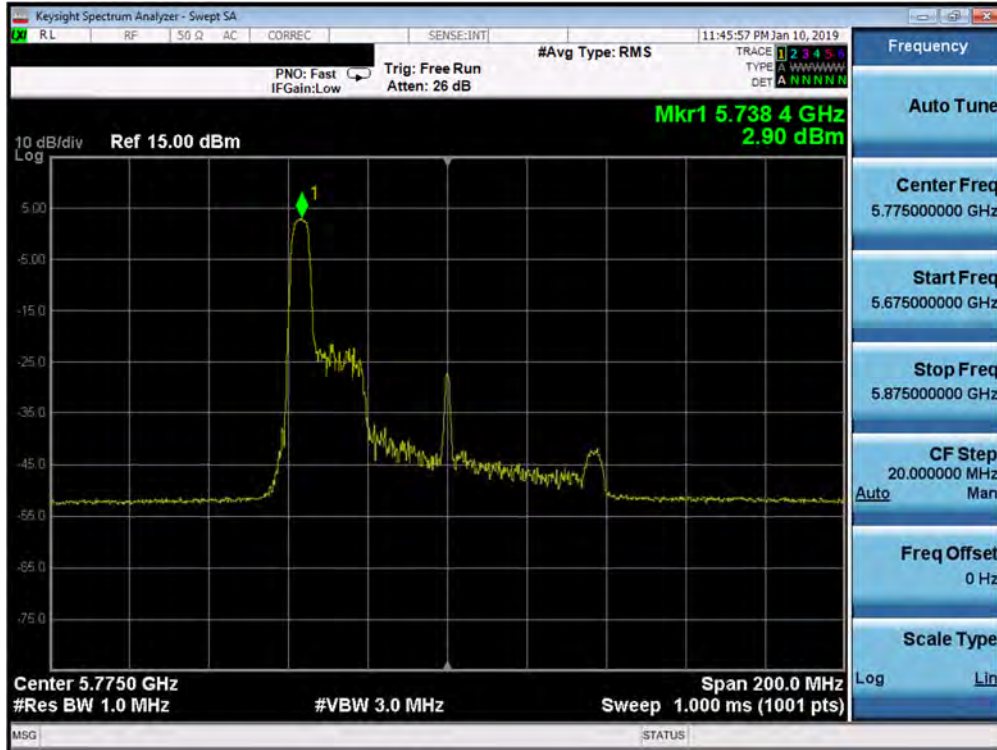


Plot 7-547. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 3) – Ch. 151)

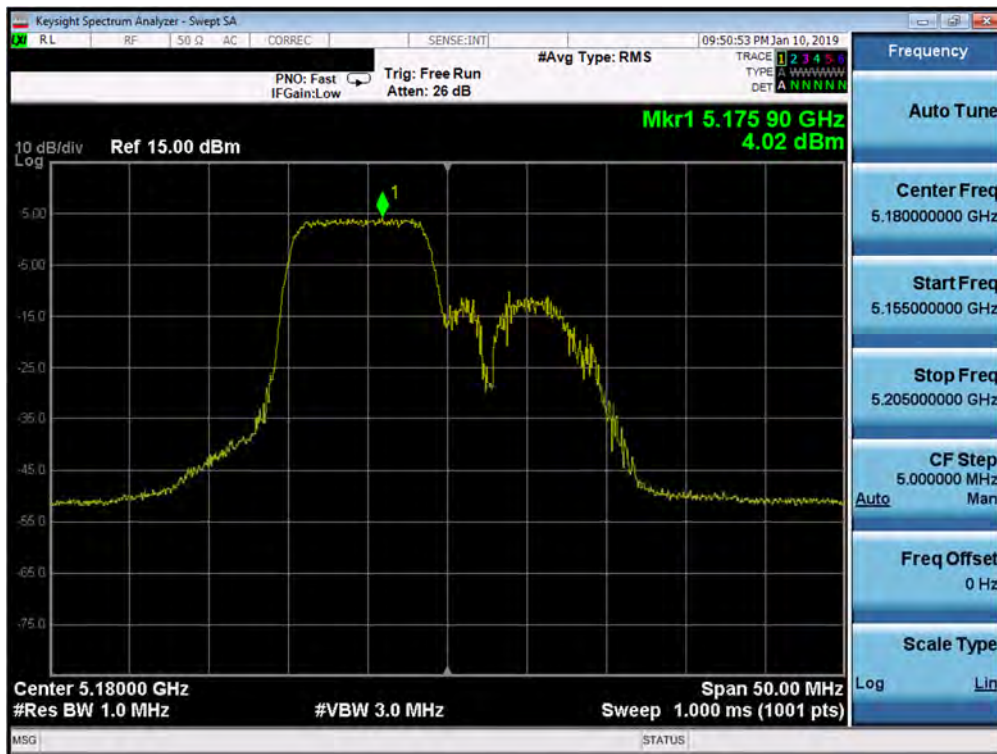


Plot 7-548. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 52 Tones (UNII Band 3) – Ch. 159)

| | | | | |
|---|--|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 356 of 516 |

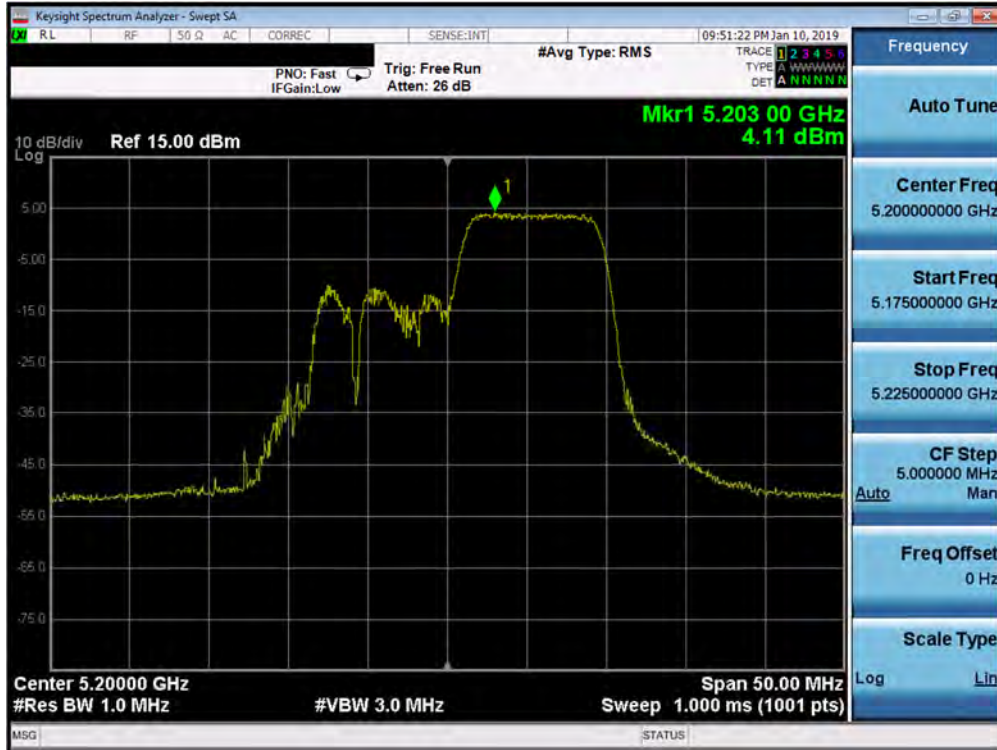


Plot 7-549. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 52 Tones (UNII Band 3) – Ch. 155)

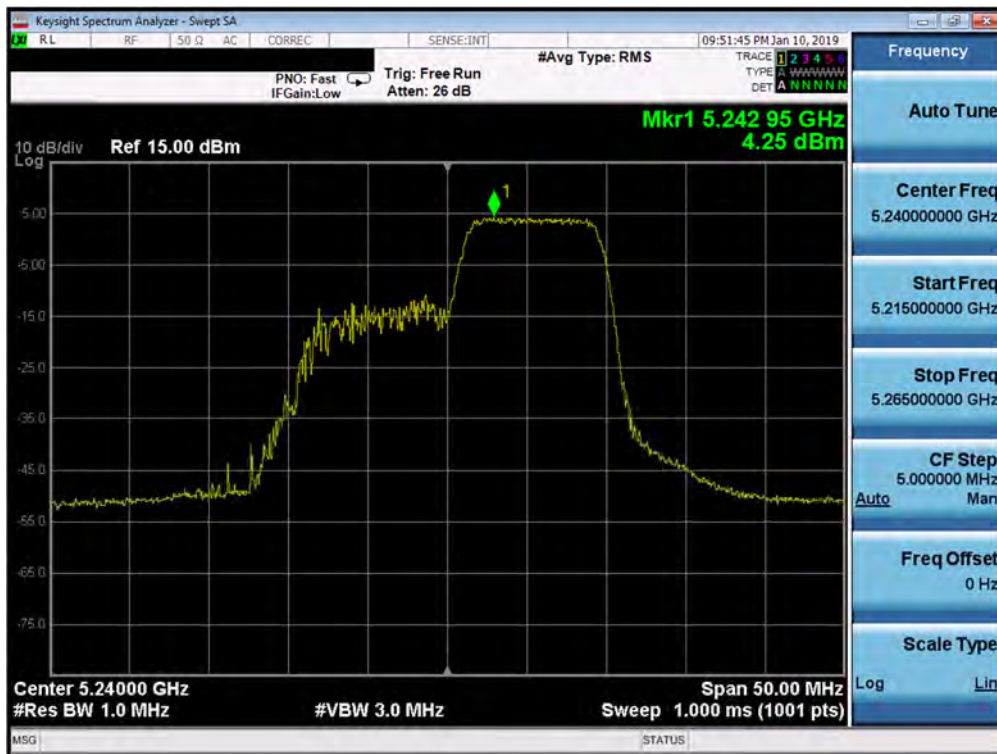


Plot 7-550. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 1) – Ch. 36)

| | | | | |
|---|-------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 357 of 516 |

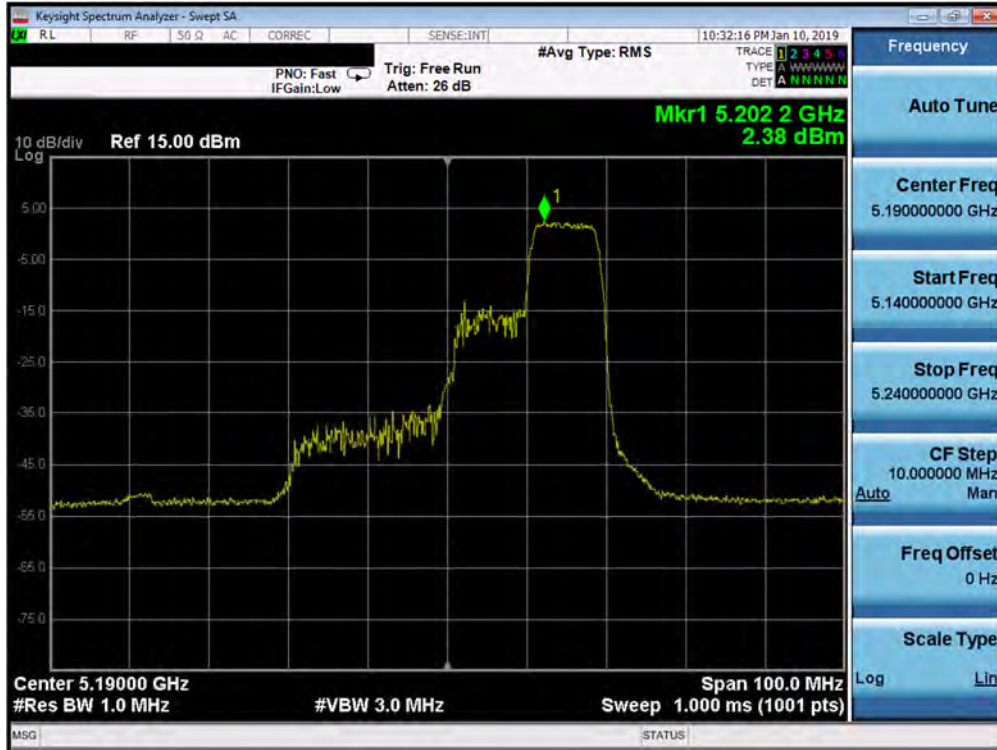


Plot 7-551. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 1) – Ch. 40)

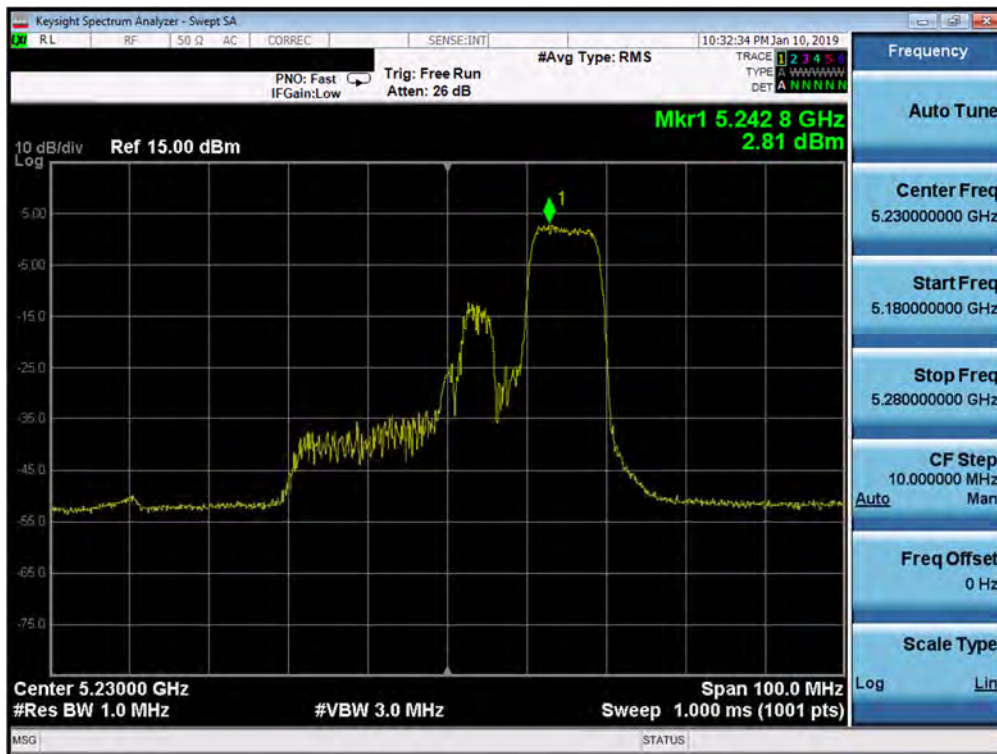


Plot 7-552. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 1) – Ch. 48)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 358 of 516 |

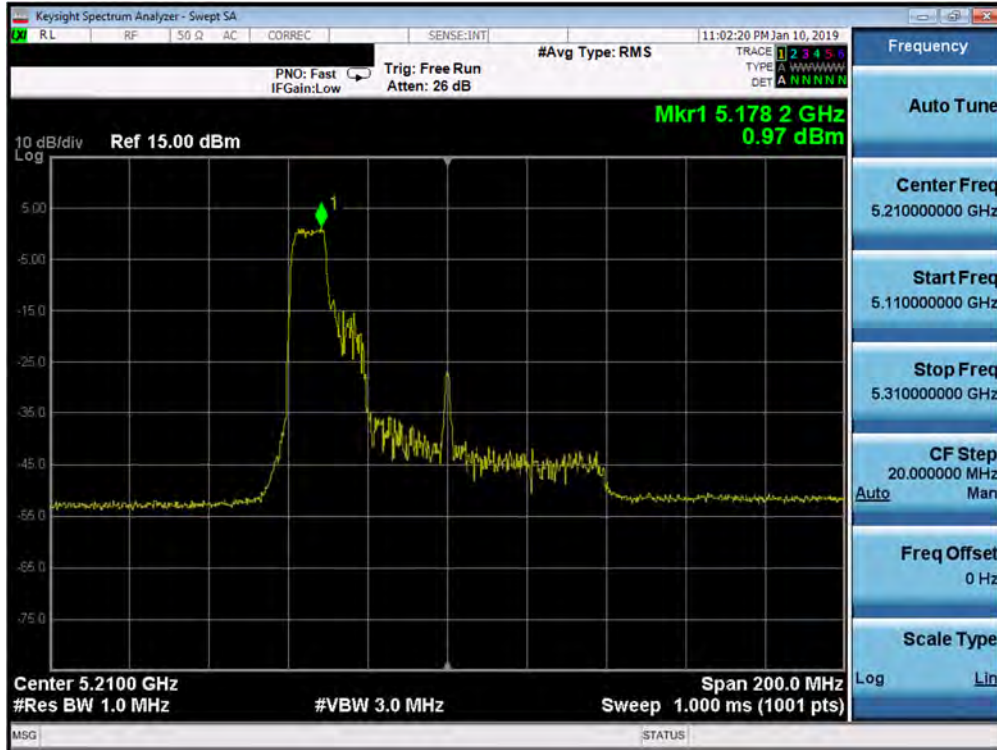


Plot 7-553. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 1) – Ch. 38)



Plot 7-554. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 1) – Ch. 46)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 359 of 516 |



Plot 7-555. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 106 Tones (UNII Band 1) – Ch. 42)

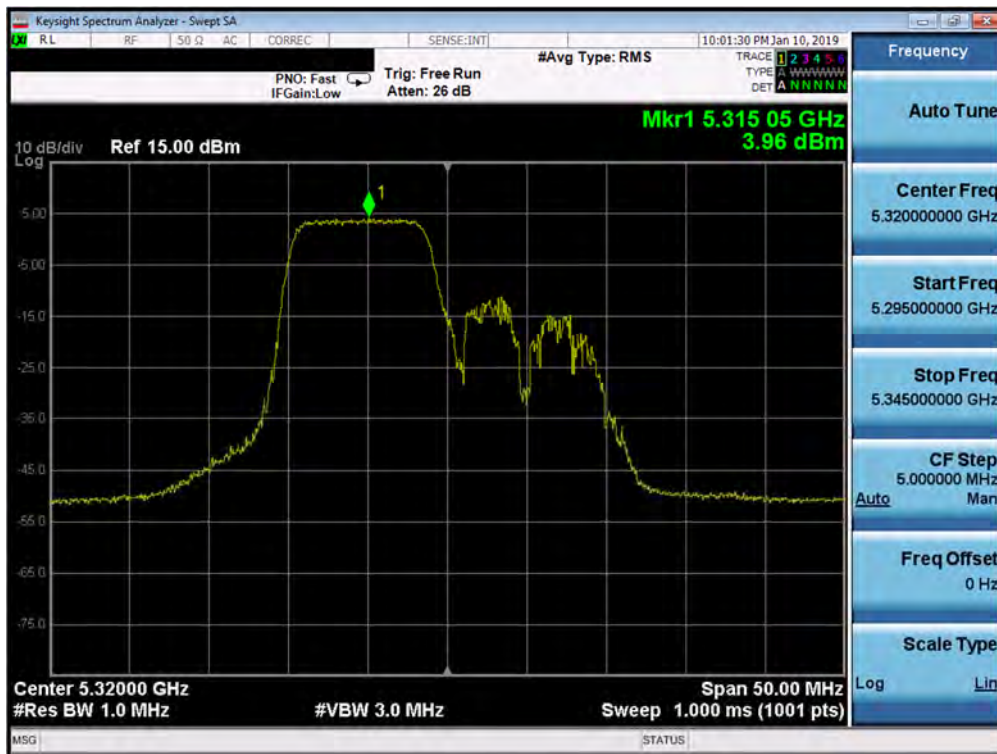


Plot 7-556. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 2A) – Ch. 52)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 360 of 516 |

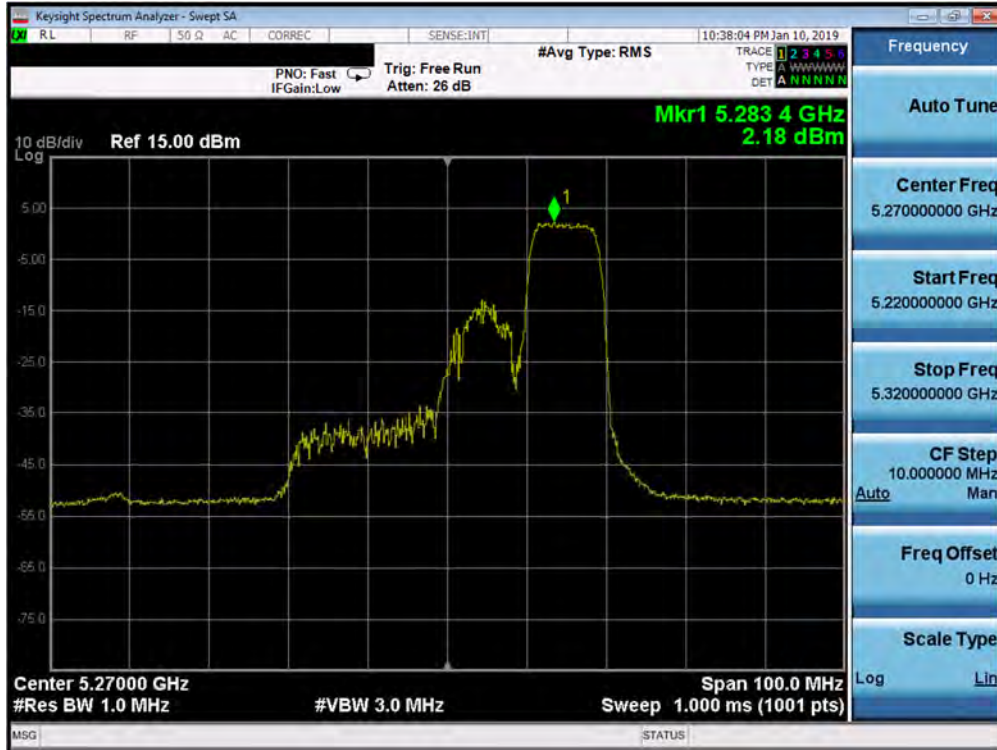


Plot 7-557. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 2A) – Ch. 56)

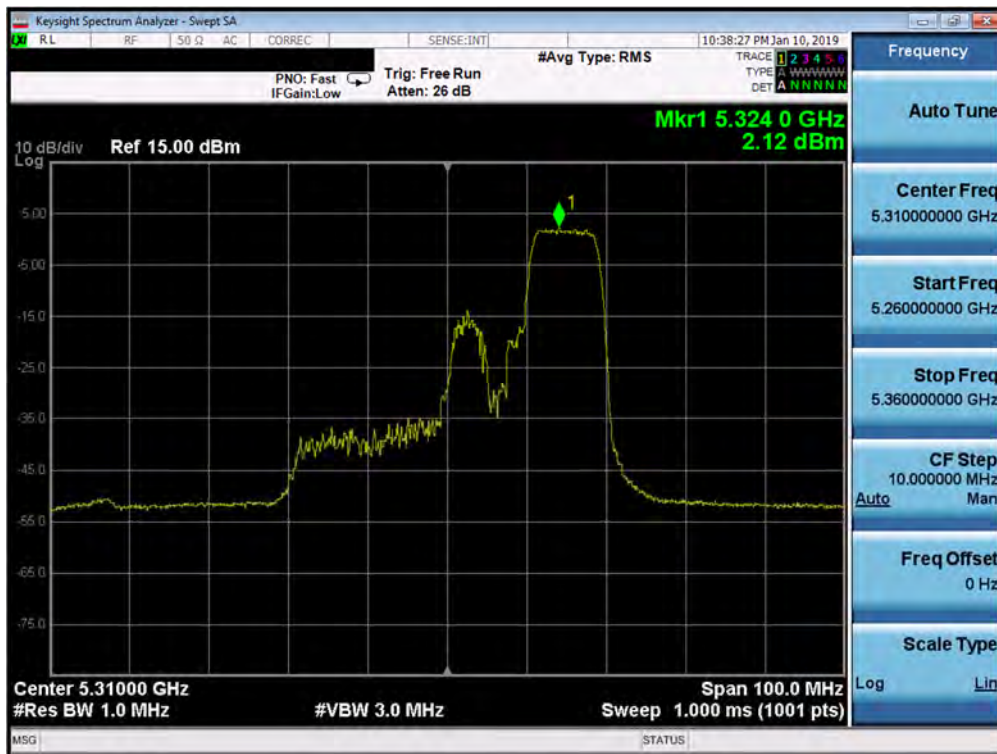


Plot 7-558. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 2A) – Ch. 64)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 361 of 516 |

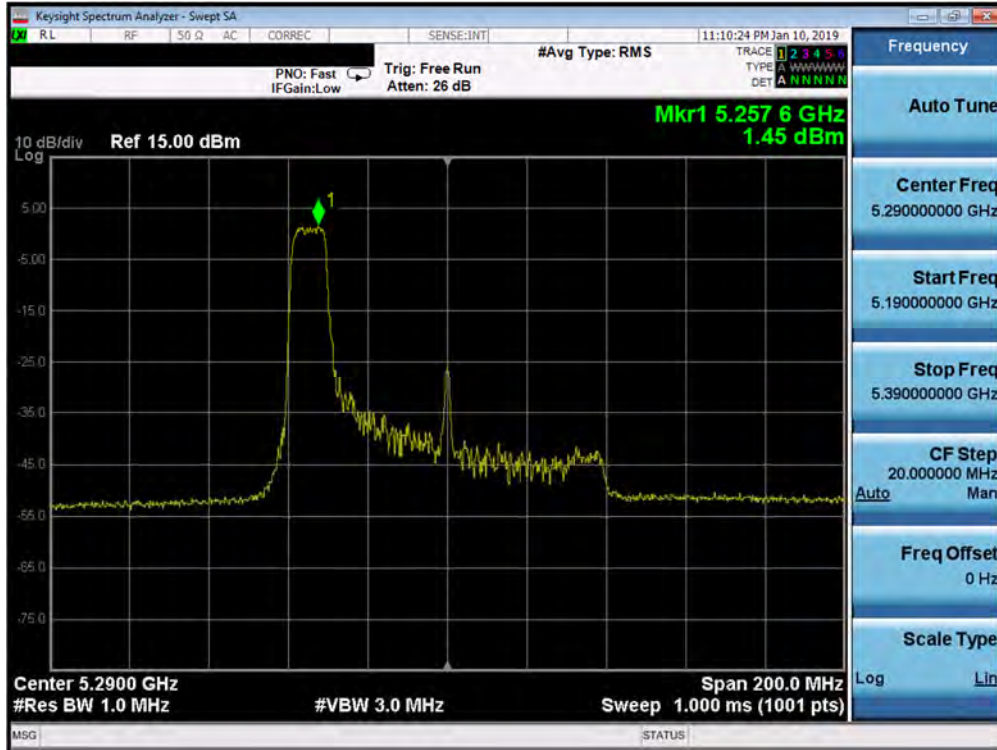


Plot 7-559. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 2A) – Ch. 54)

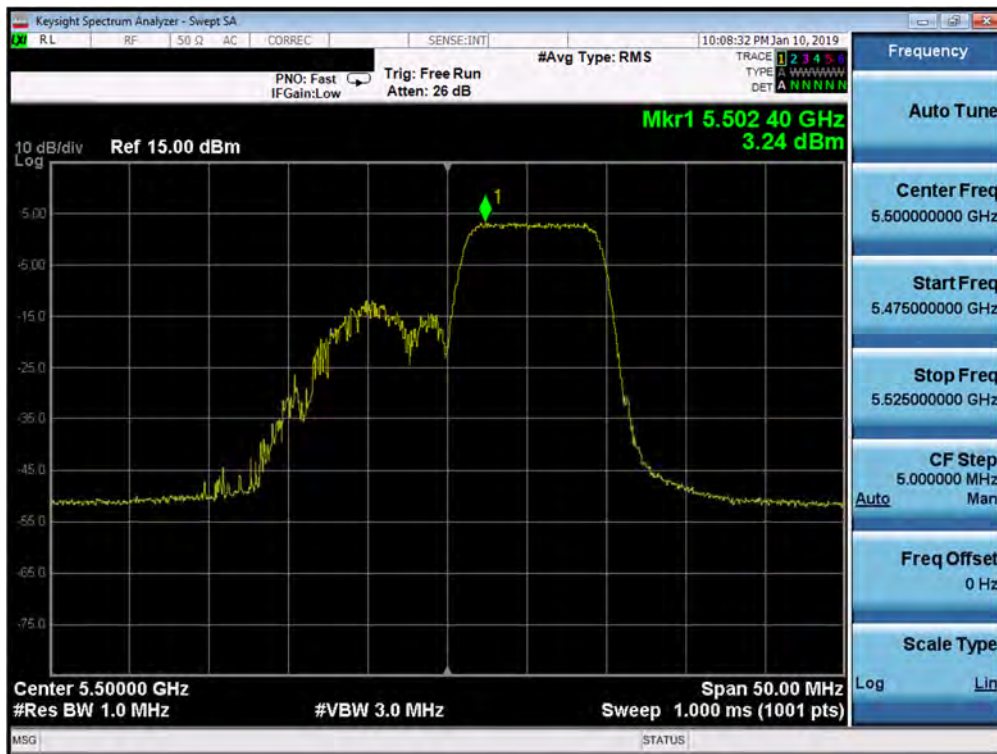


Plot 7-560. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 2A) – Ch. 62)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 362 of 516 |

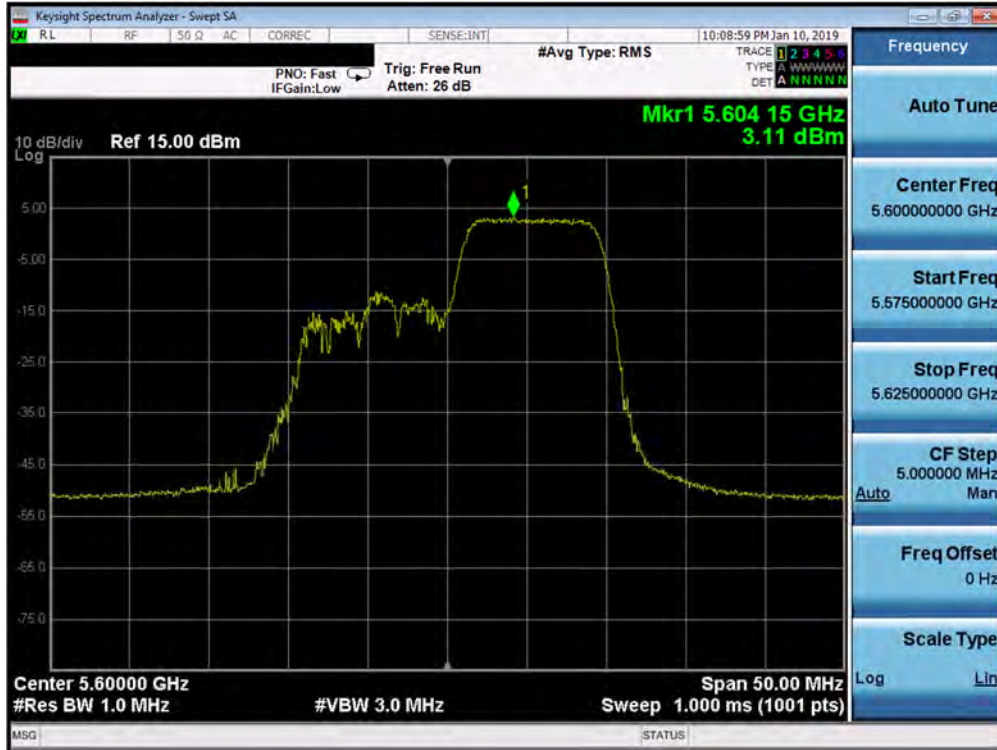


Plot 7-561. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 106 Tones (UNII Band 2A) – Ch. 58)

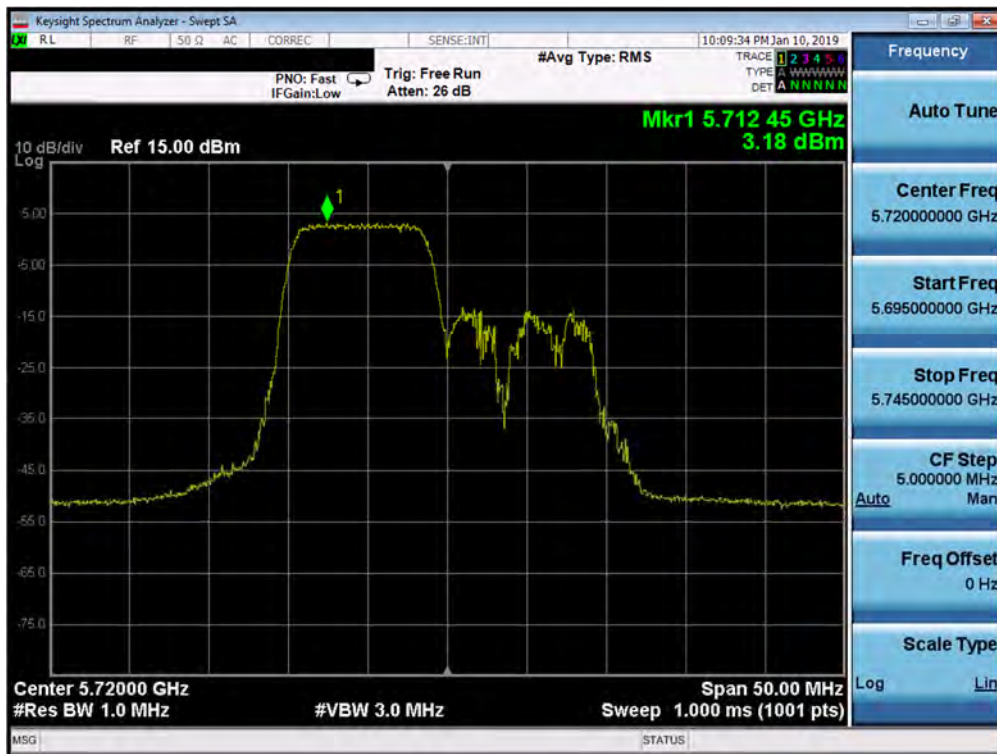


Plot 7-562. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 100)

| | | | | |
|---|--|---------------------------------------|---------|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 363 of 516 |

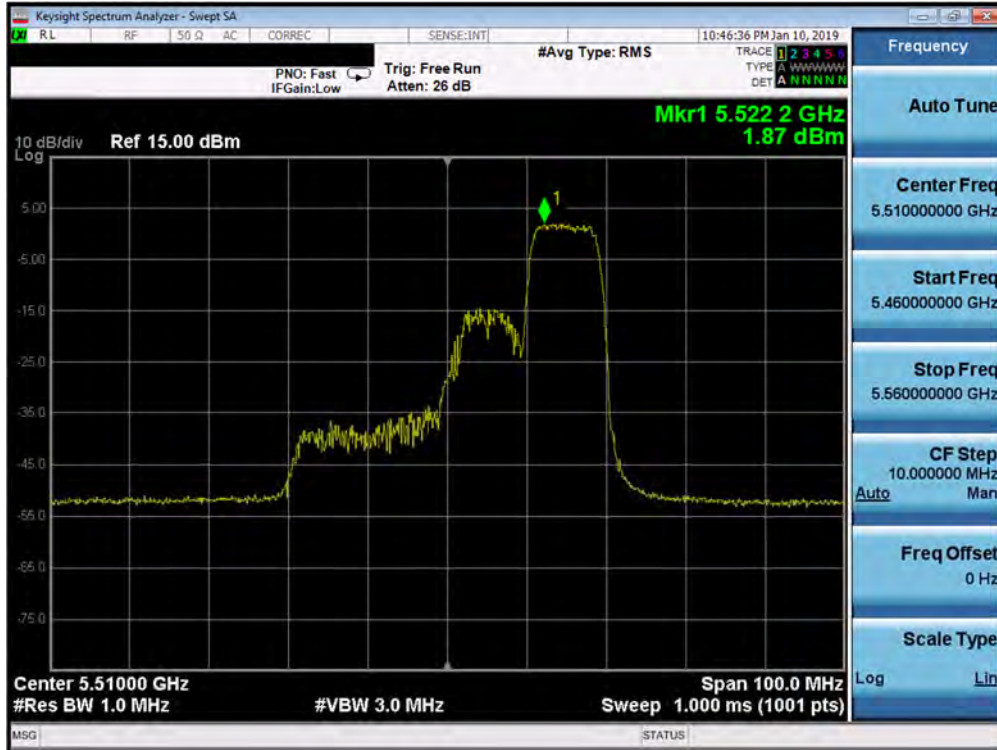


Plot 7-563. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 120)

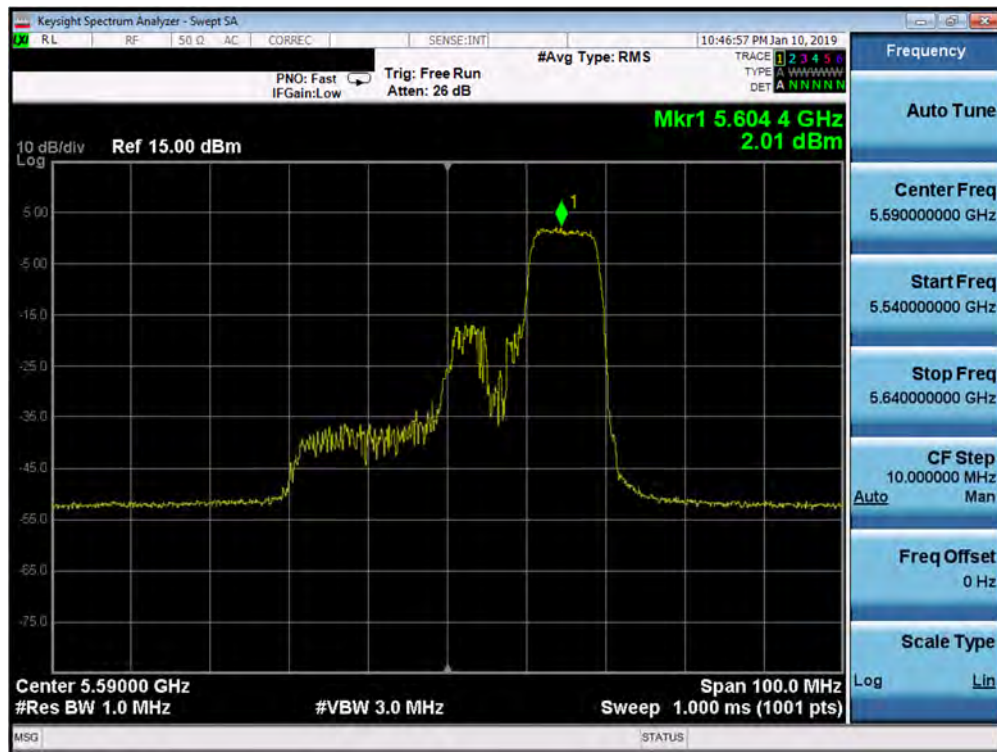


Plot 7-564. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 144)

| | | | | |
|---|--|---------------------------------------|---------|---------------------------------|
| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 364 of 516 |

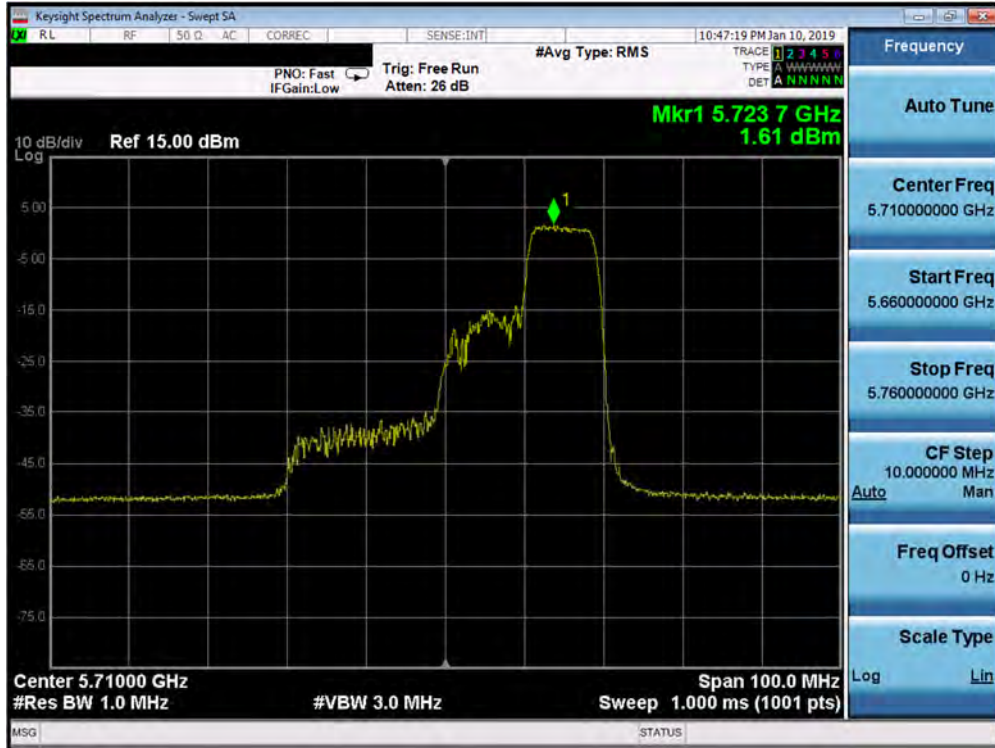


Plot 7-565. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 102)

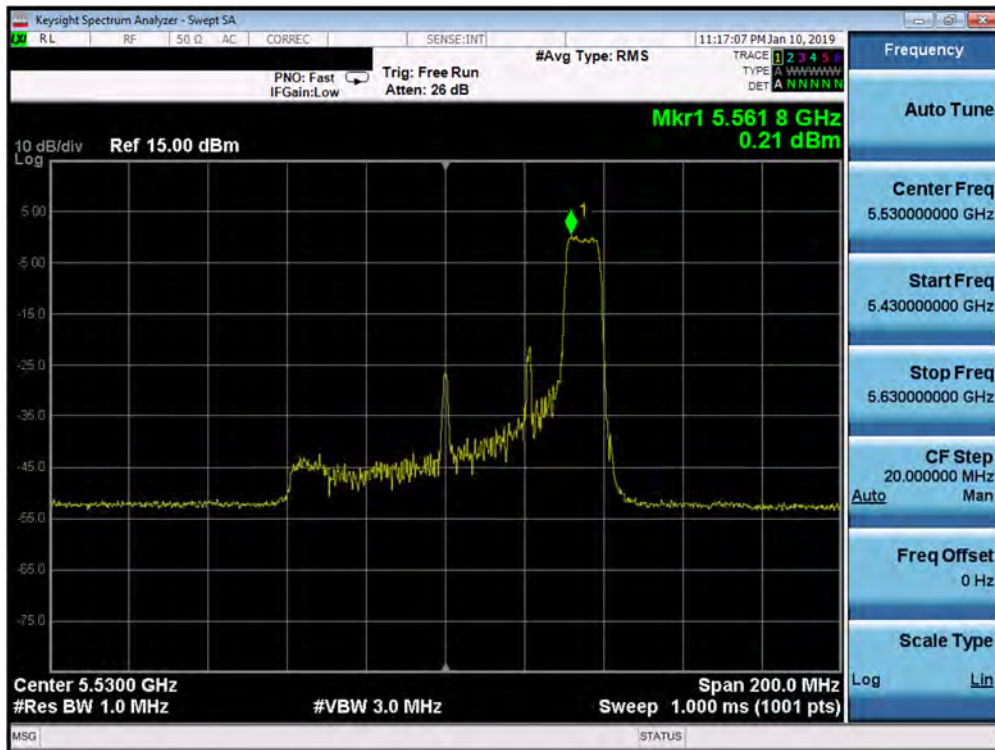


Plot 7-566. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 118)

| | | | | |
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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 365 of 516 |

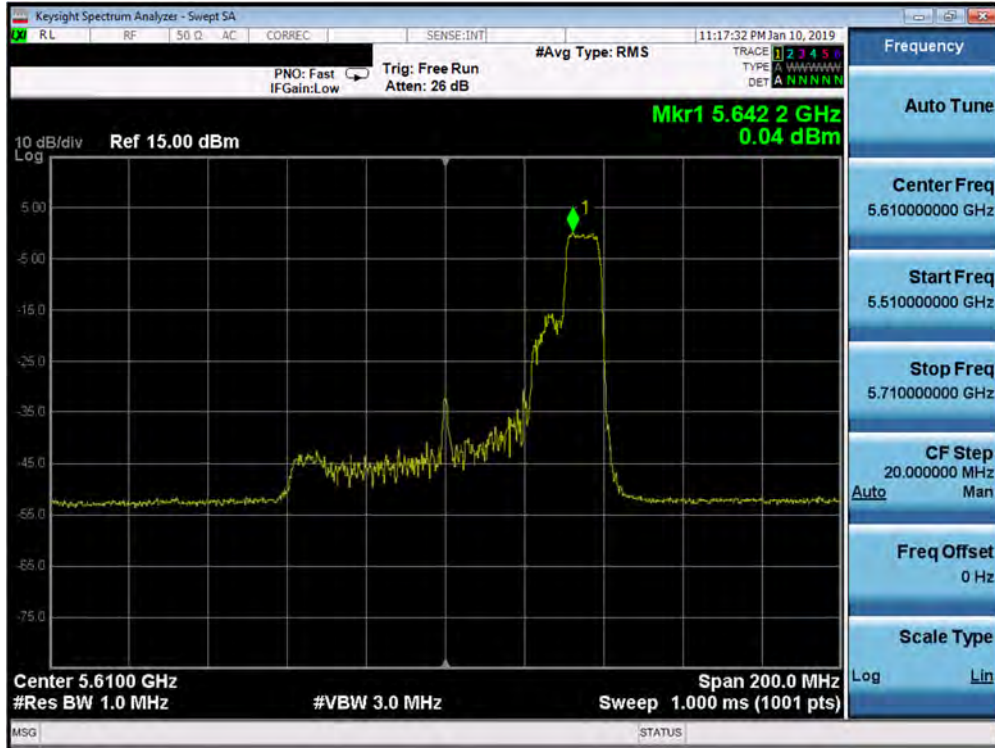


Plot 7-567. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 142)

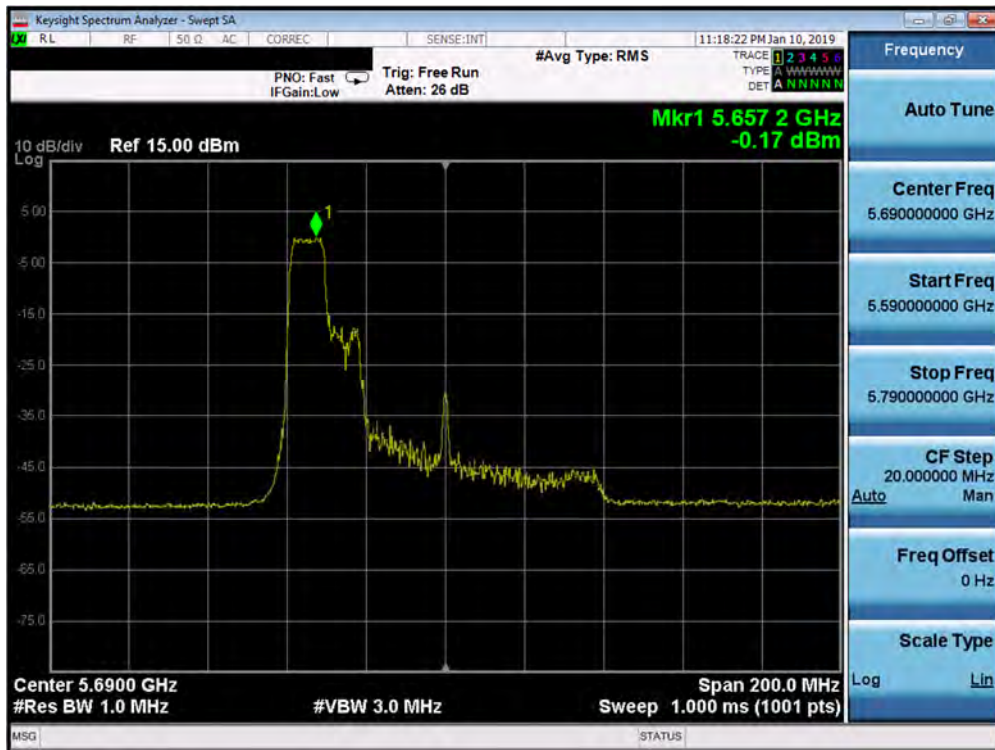


Plot 7-568. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 106)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 366 of 516 |



Plot 7-569. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 122)

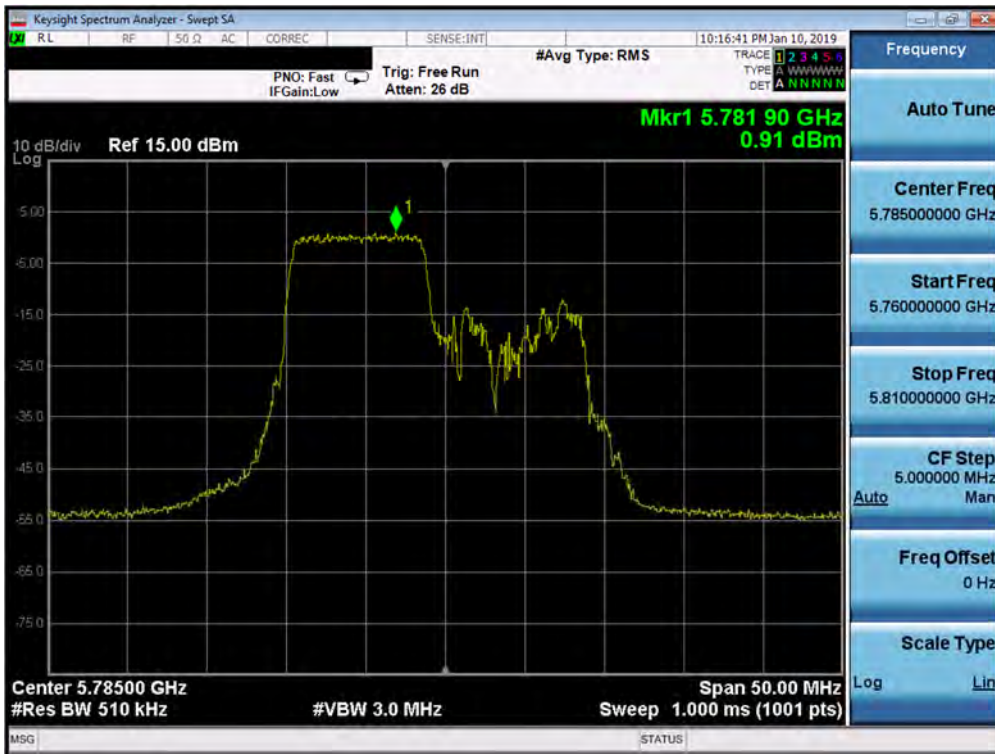


Plot 7-570. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 106 Tones (UNII Band 2C) – Ch. 138)

| | | | | |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 367 of 516 |

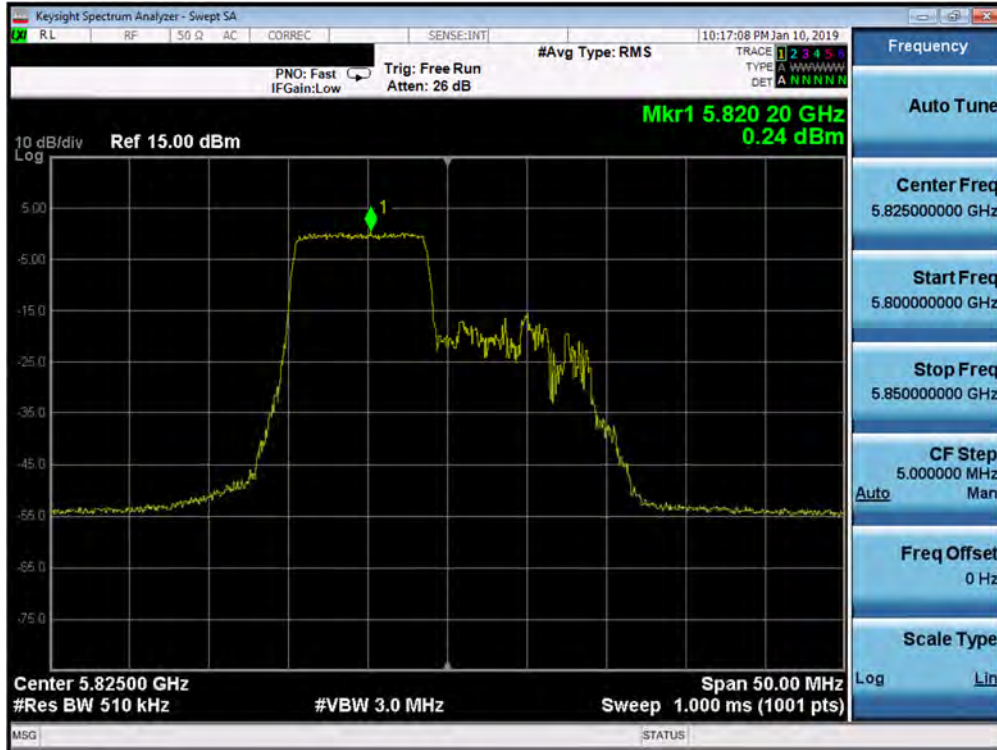


Plot 7-571. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 149)

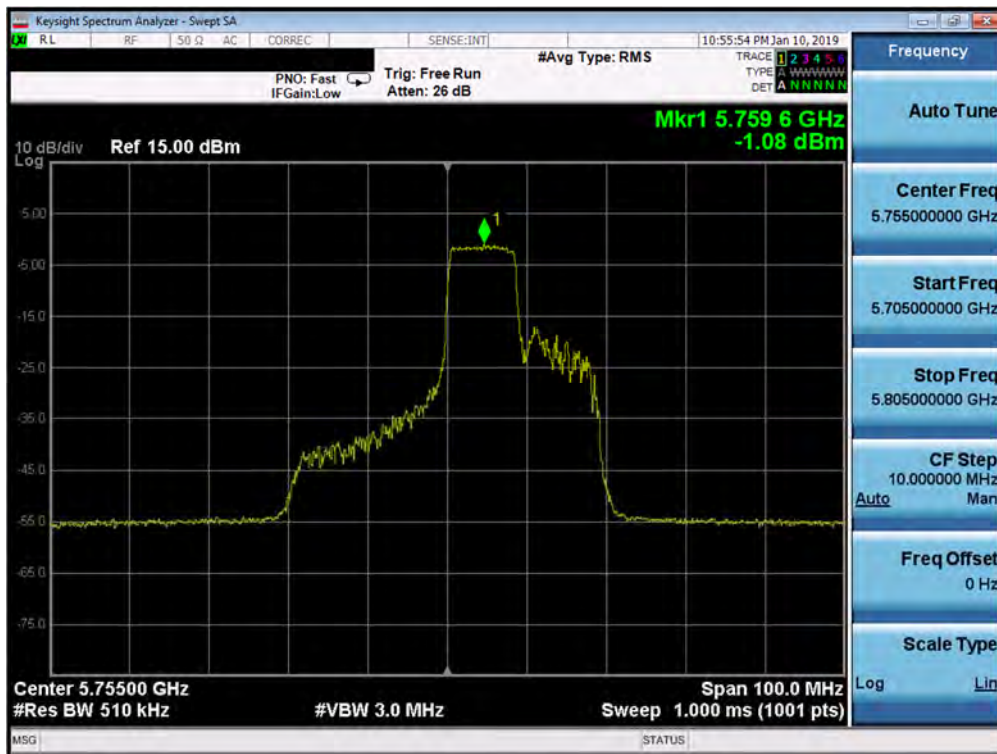


Plot 7-572. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 157)

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| FCC ID: A3LSMG9750 | | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 368 of 516 |

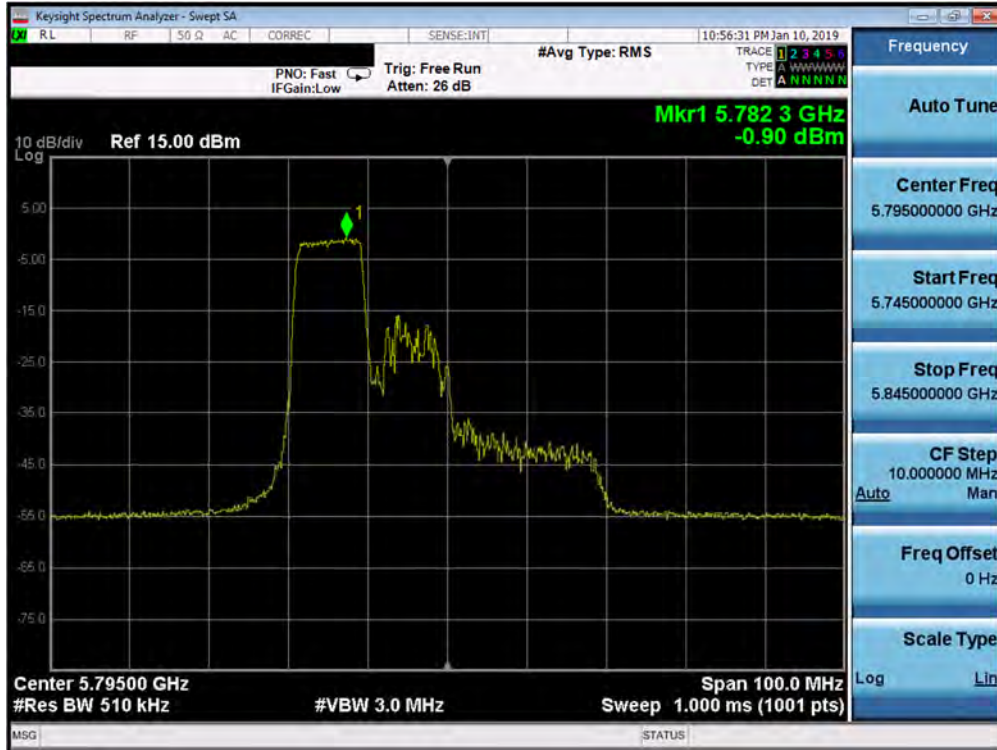


Plot 7-573. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 165)

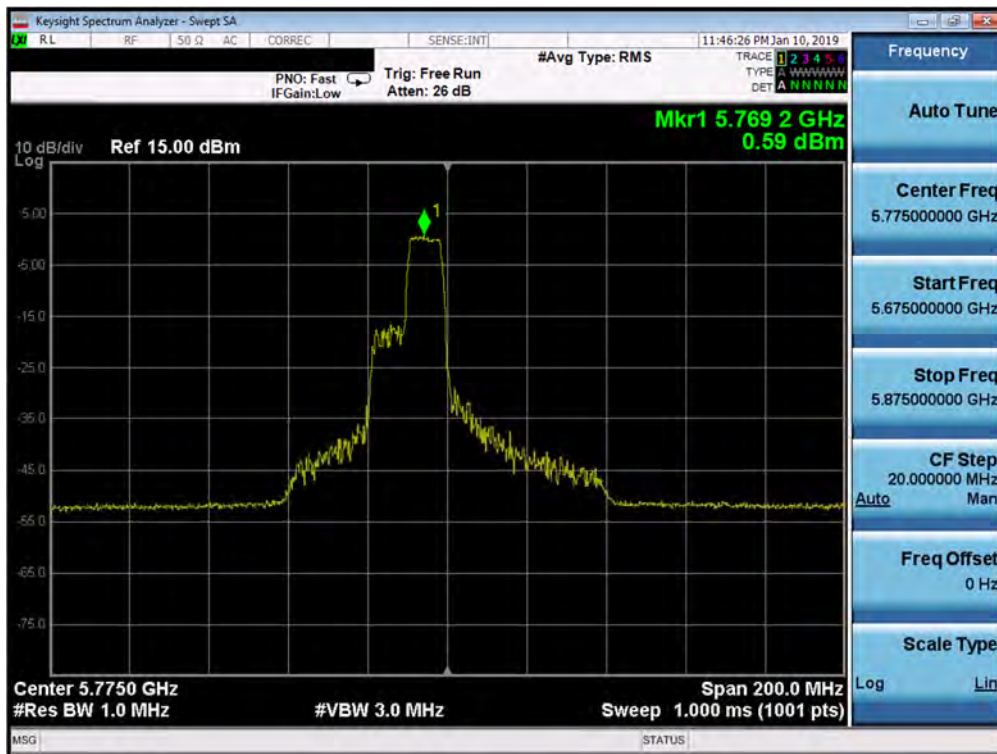


Plot 7-574. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 151)

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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 369 of 516 |

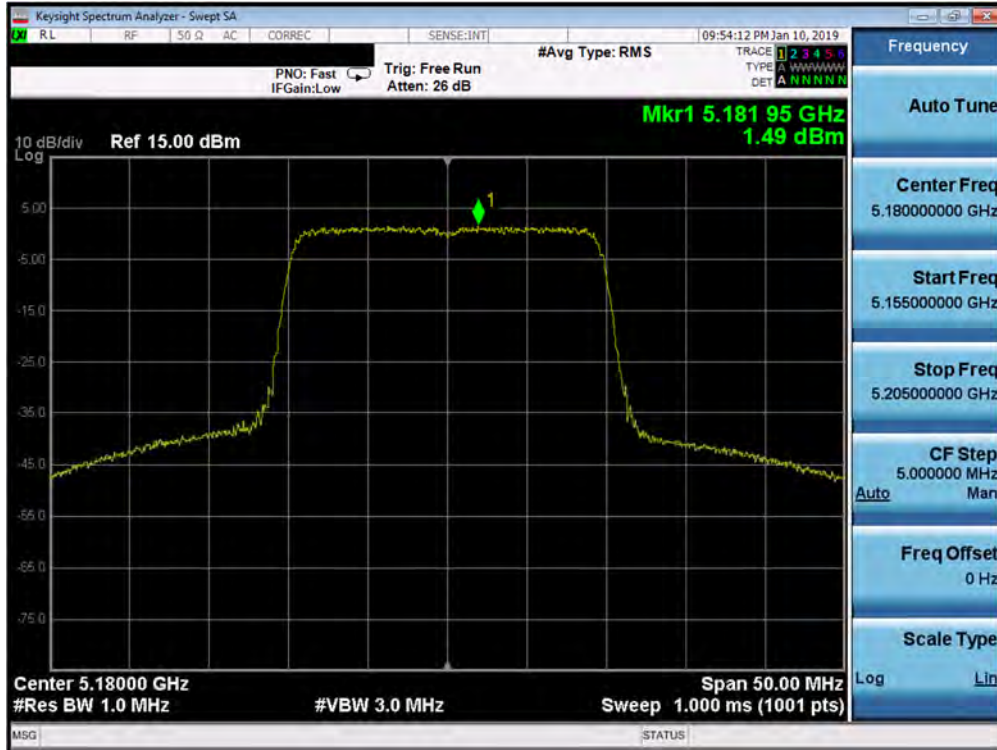


Plot 7-575. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 159)

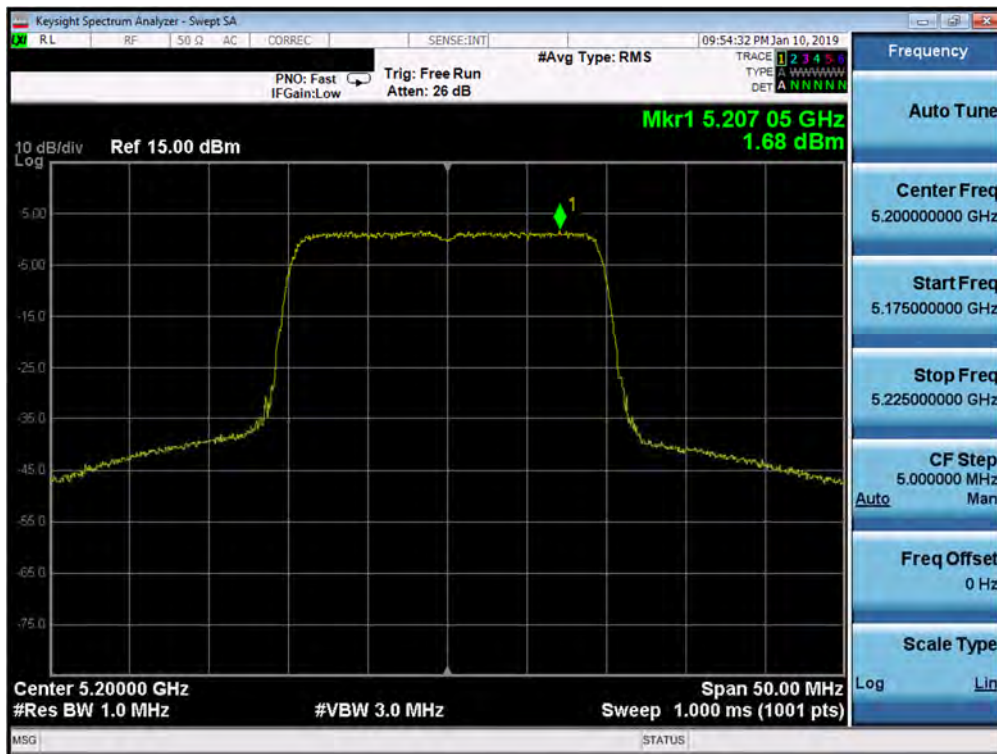


Plot 7-576. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 106 Tones (UNII Band 3) – Ch. 155)

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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 370 of 516 |

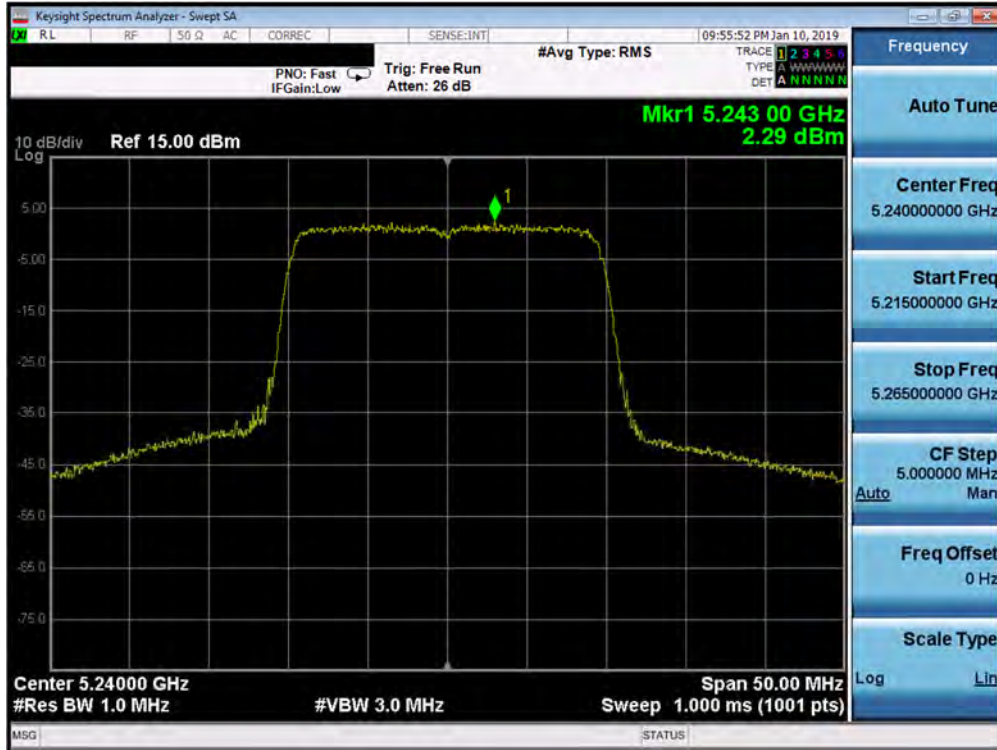


Plot 7-577. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 36)

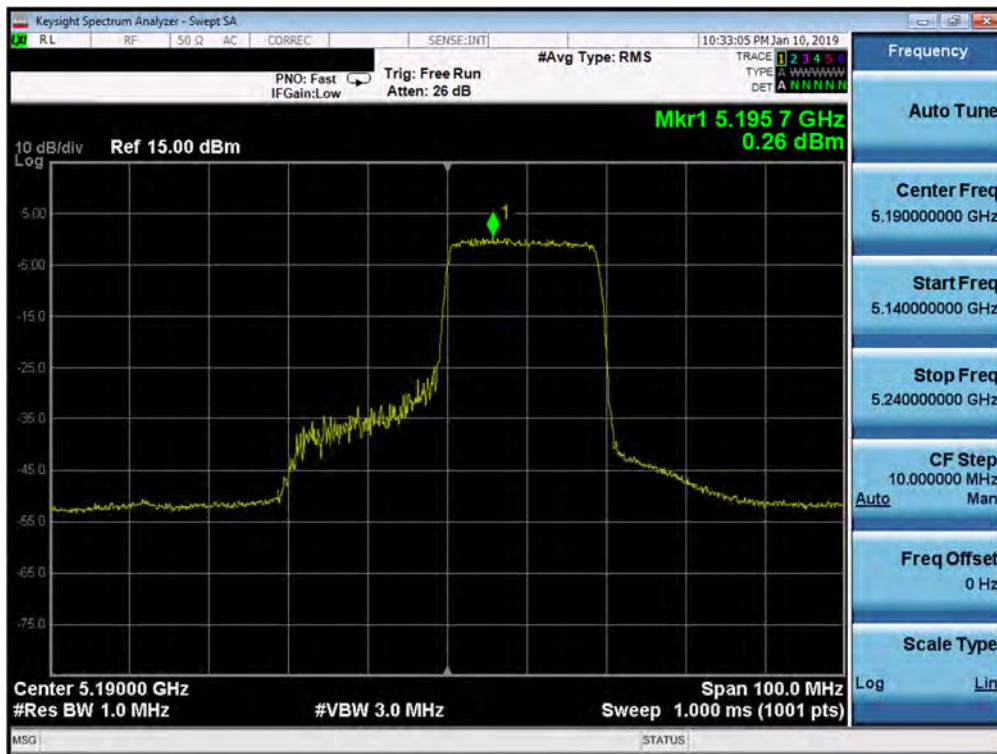


Plot 7-578. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 40)

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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 371 of 516 |

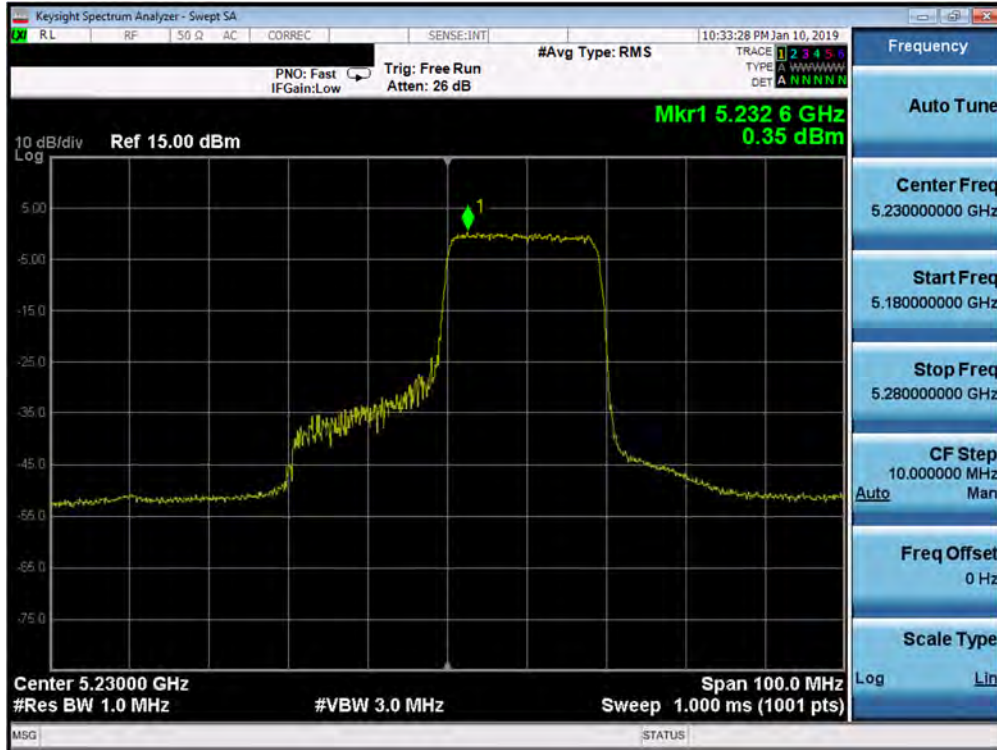


Plot 7-579. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 48)

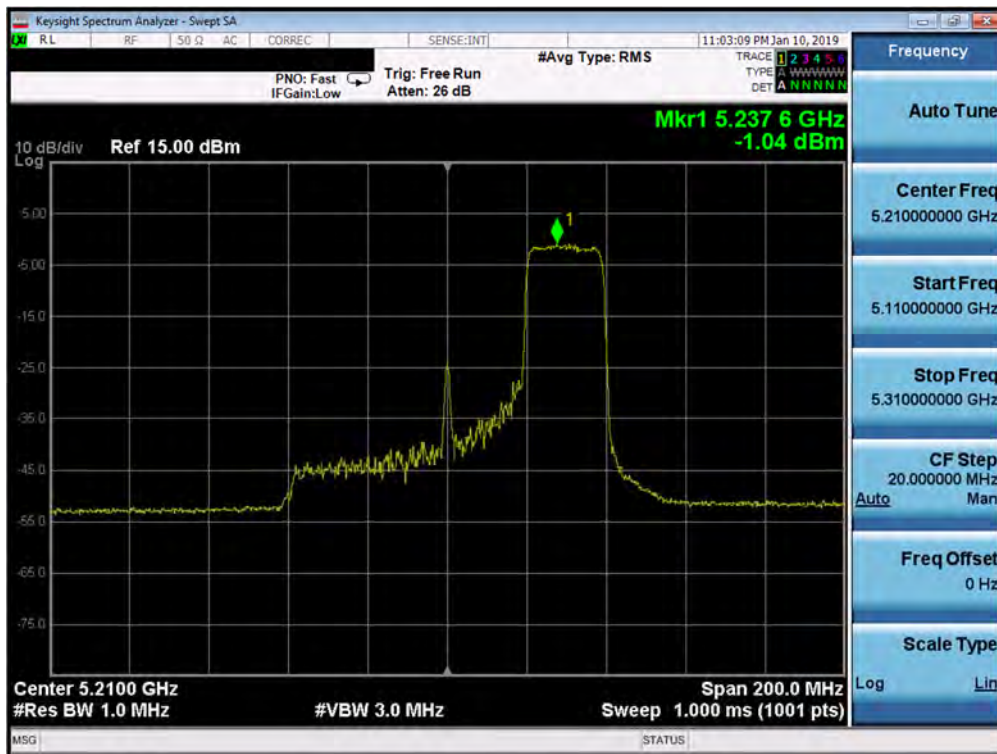


Plot 7-580. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 38)

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|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 372 of 516 |

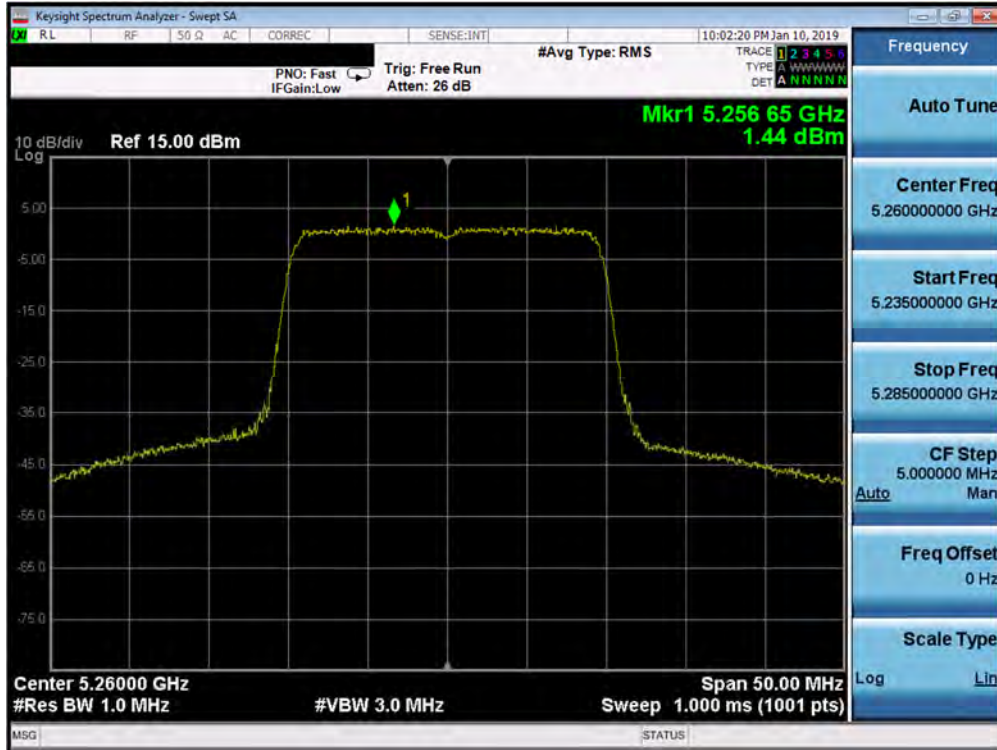


Plot 7-581. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 46)

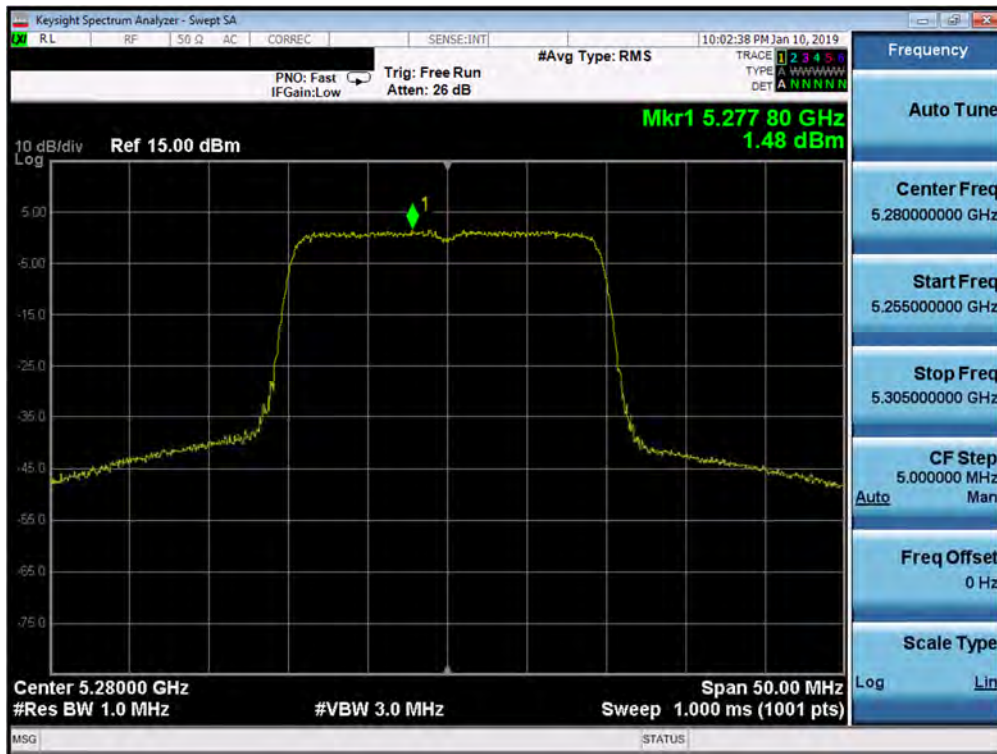


Plot 7-582. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 242 Tones (UNII Band 1) – Ch. 42)

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|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 373 of 516 |

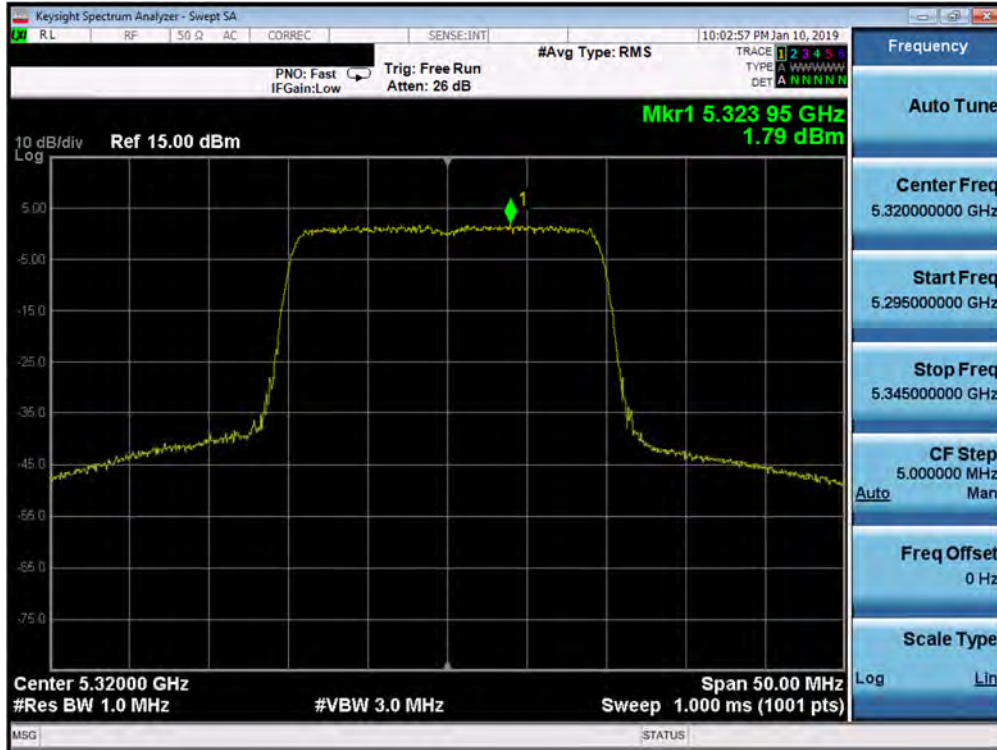


Plot 7-583. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 52)

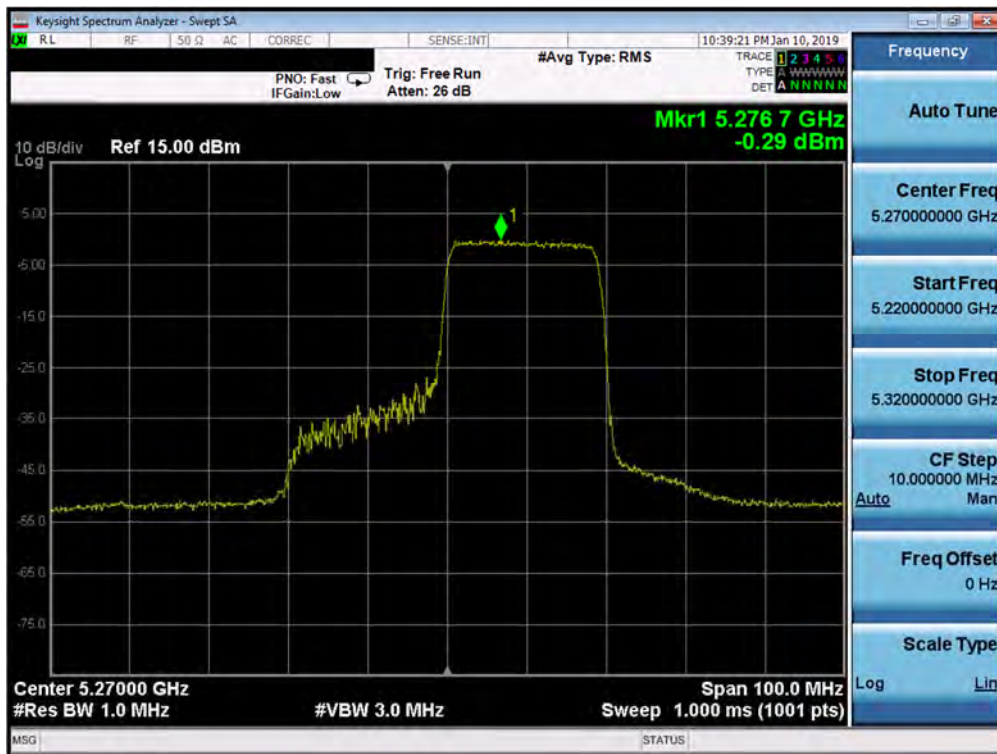


Plot 7-584. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 56)

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|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG9750 |  | MEASUREMENT REPORT (CERTIFICATION) |  | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 374 of 516 |



Plot 7-585. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 64)



Plot 7-586. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 242 Tones (UNII Band 2A) – Ch. 54)

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| FCC ID: A3LSMG9750 | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Quality Manager |
| Test Report S/N: 1M1811120202-15.A3L | Test Dates: 10/31/2018-1/17/2019 | EUT Type: Portable Handset | | Page 375 of 516 |