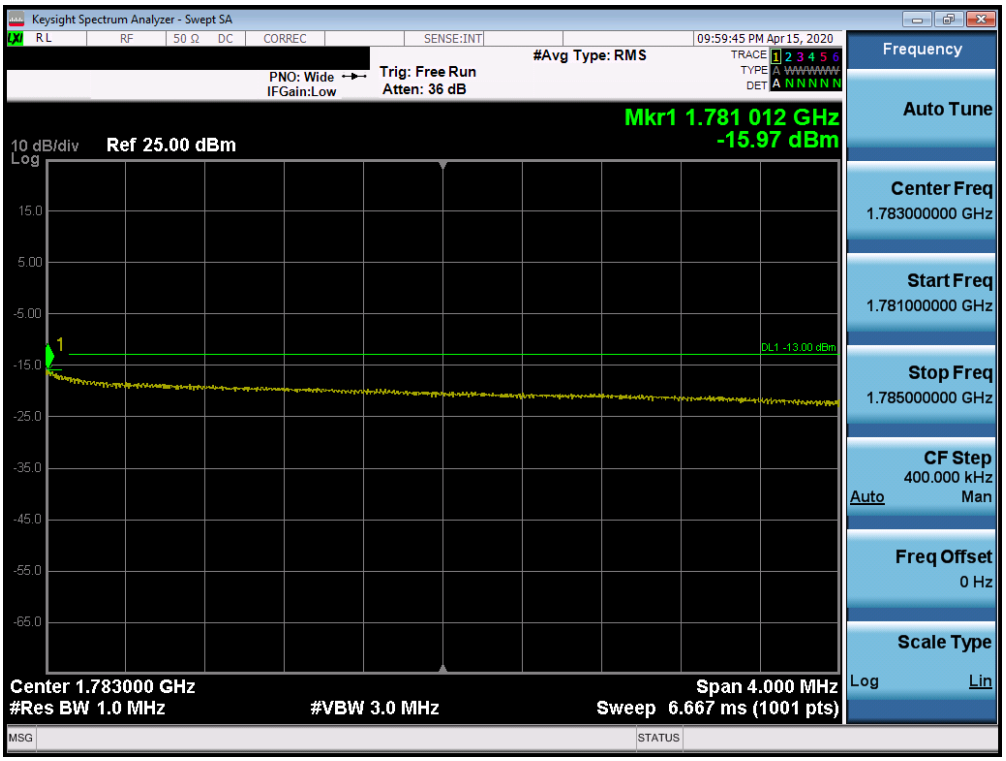
Plot 7-463. Upper Band Edge Plot (n66 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-464. Upper Extended Band Edge Plot (n66 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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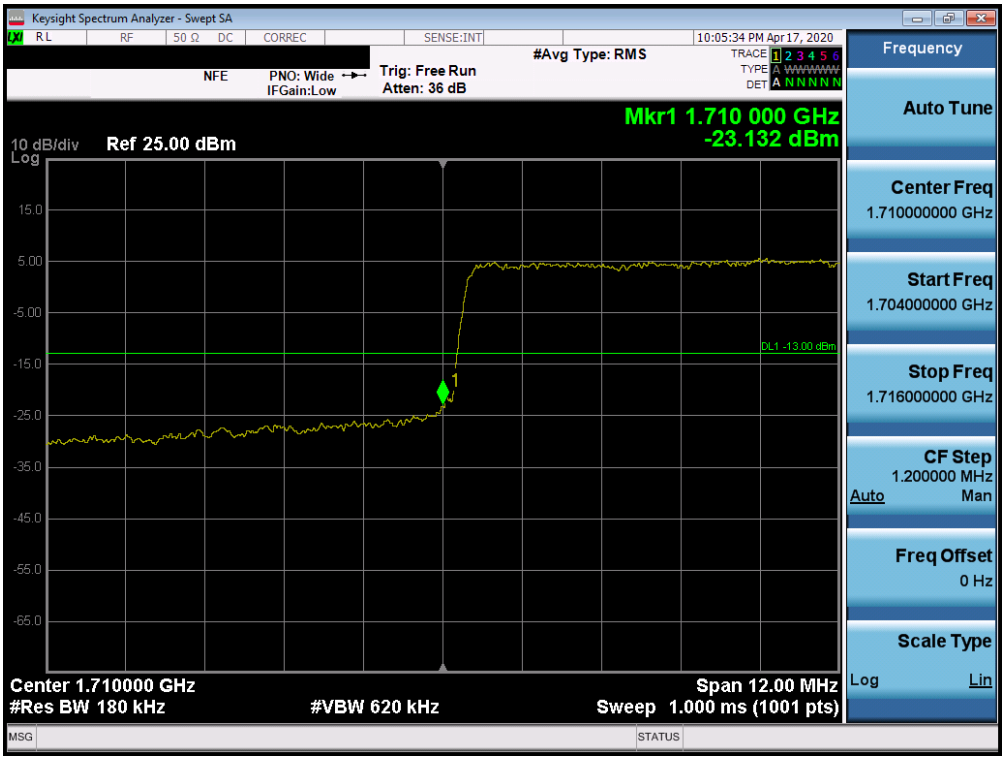
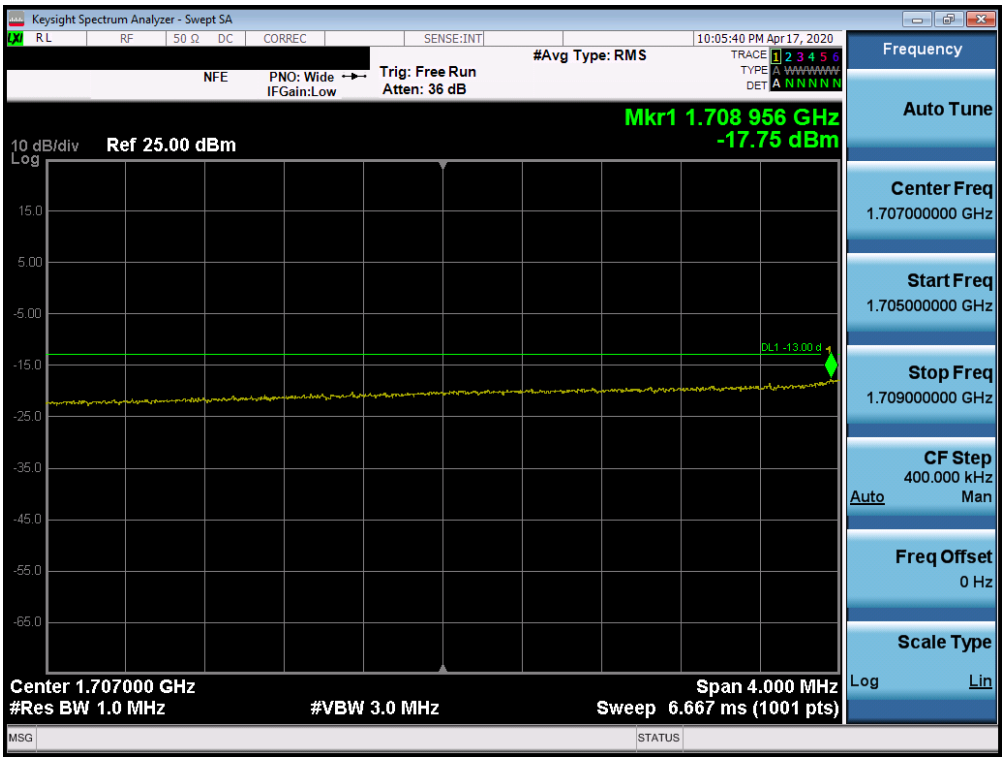


Plot 7-465. Lower Band Edge Plot (n66 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-466. Lower Extended Band Edge Plot (n66 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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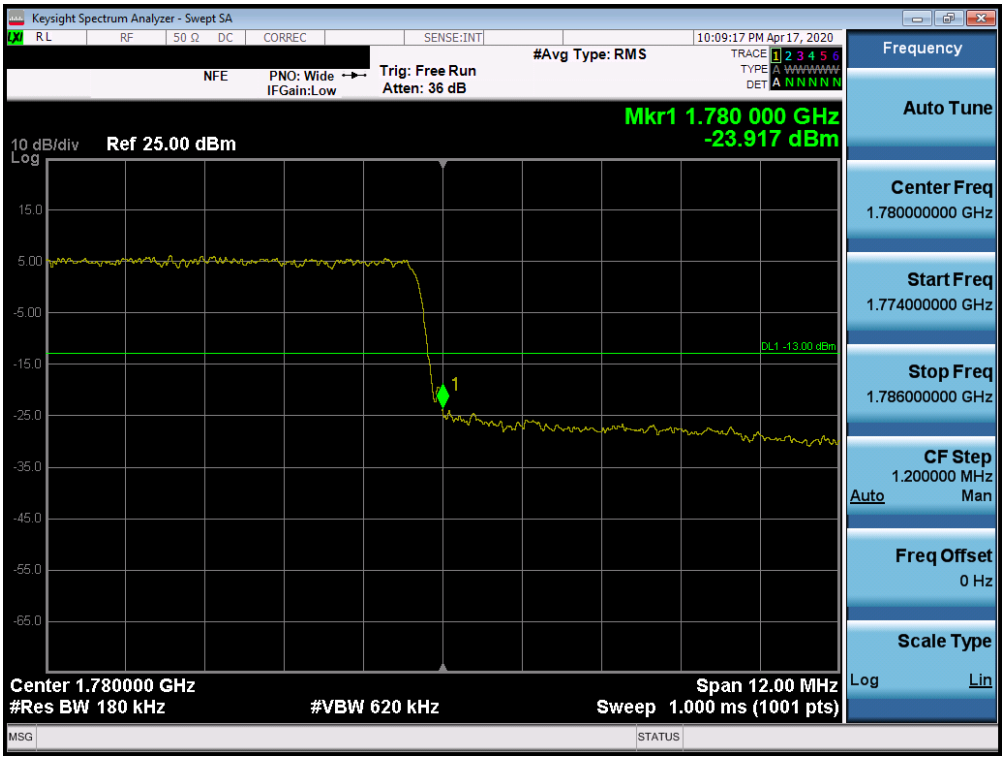
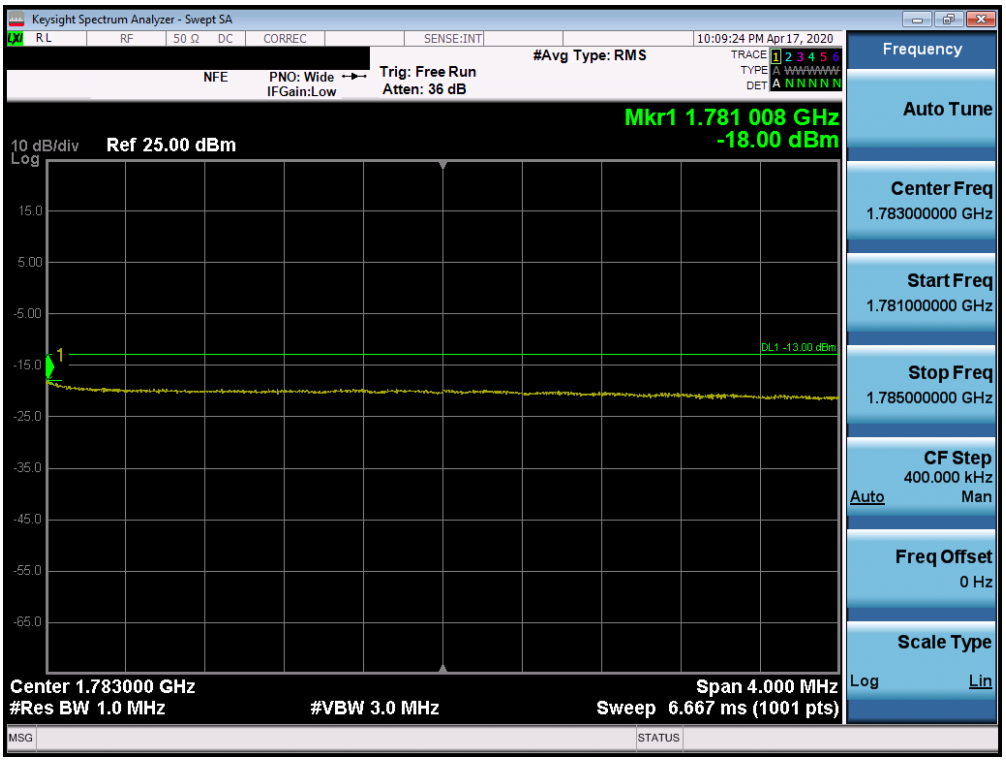


Plot 7-467. Upper Band Edge Plot (n66 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-468. Upper Extended Band Edge Plot (n66 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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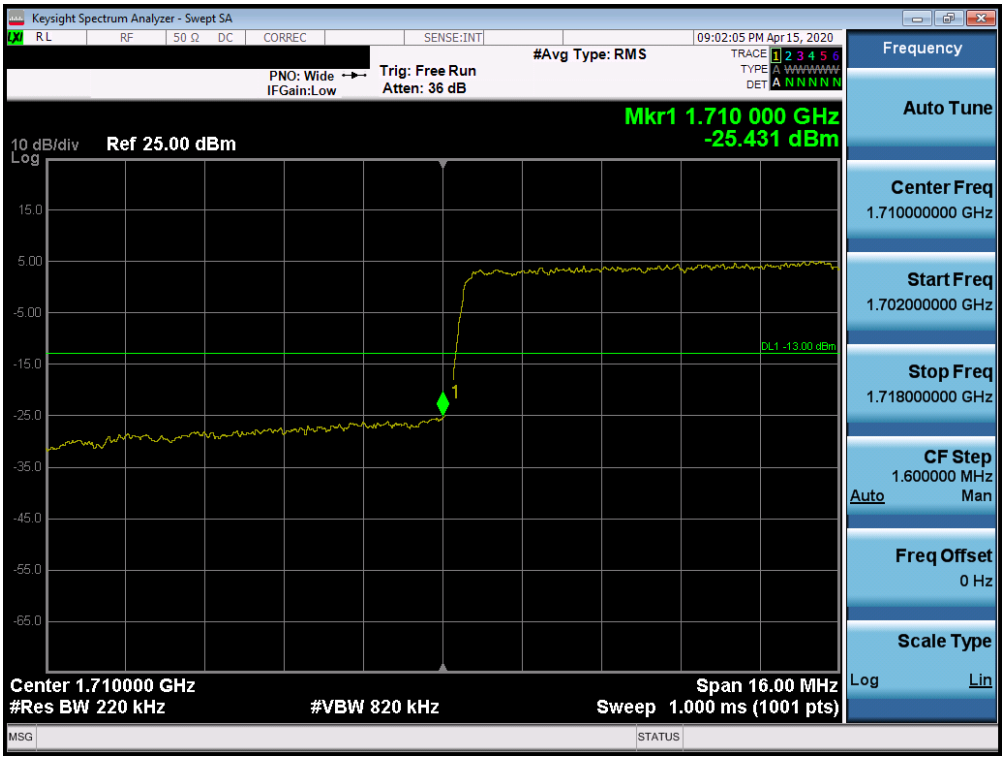
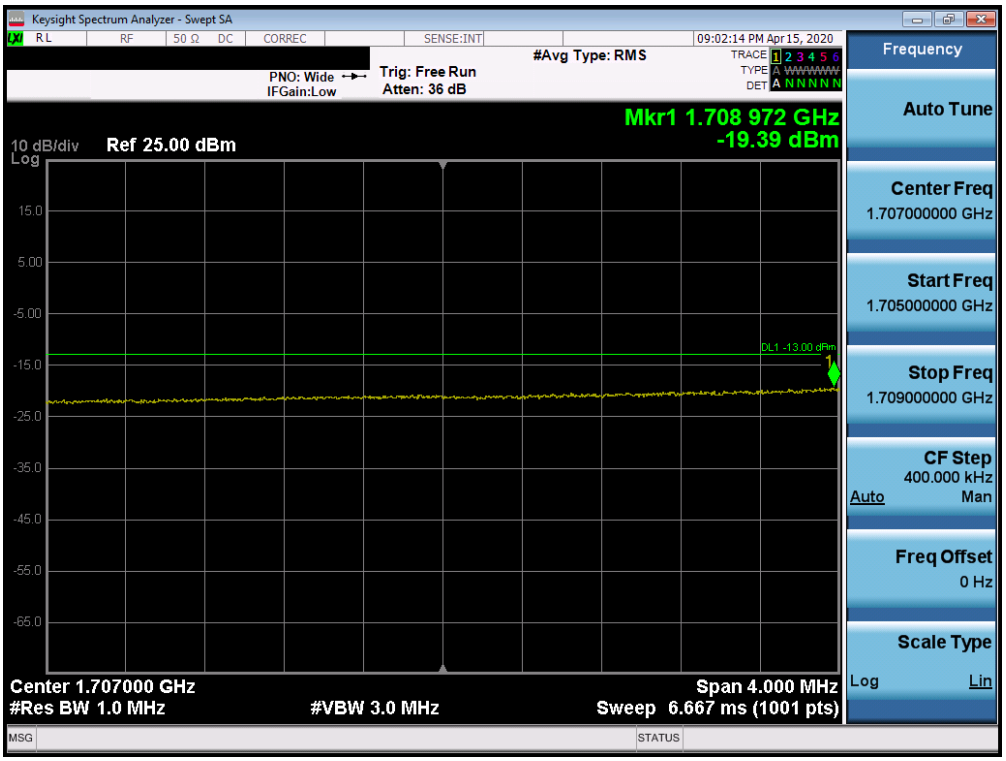


Plot 7-469. Lower Band Edge Plot (n66 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-470. Lower Extended Band Edge Plot (n66 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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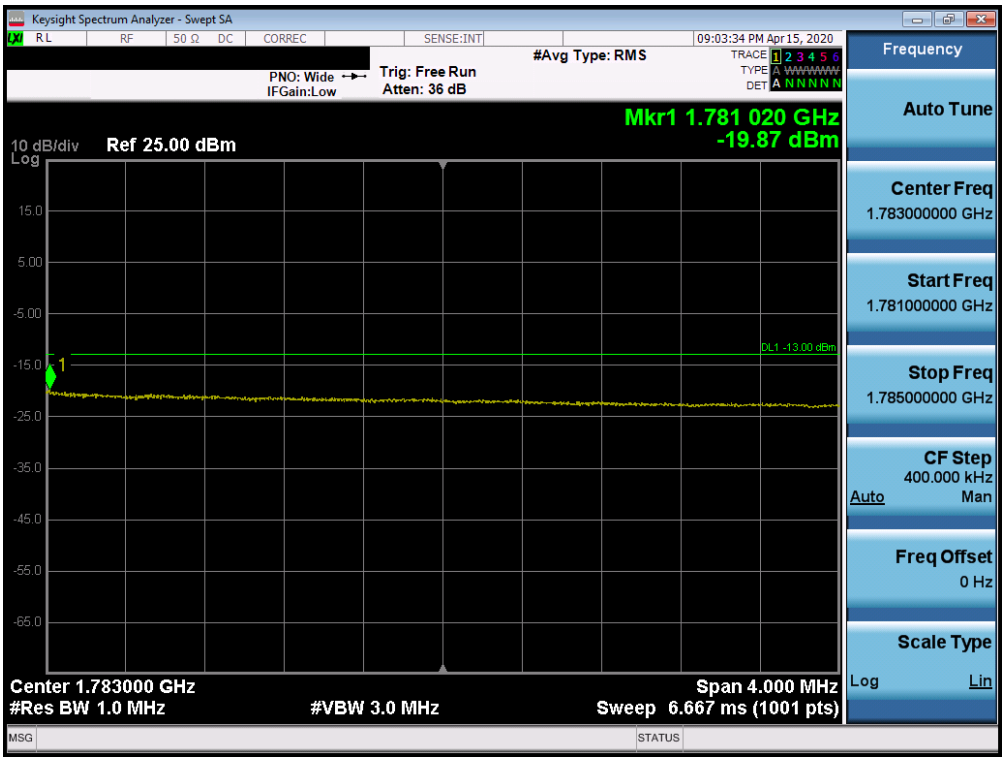
Plot 7-471. Upper Band Edge Plot (n66 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-472. Upper Extended Band Edge Plot (n66 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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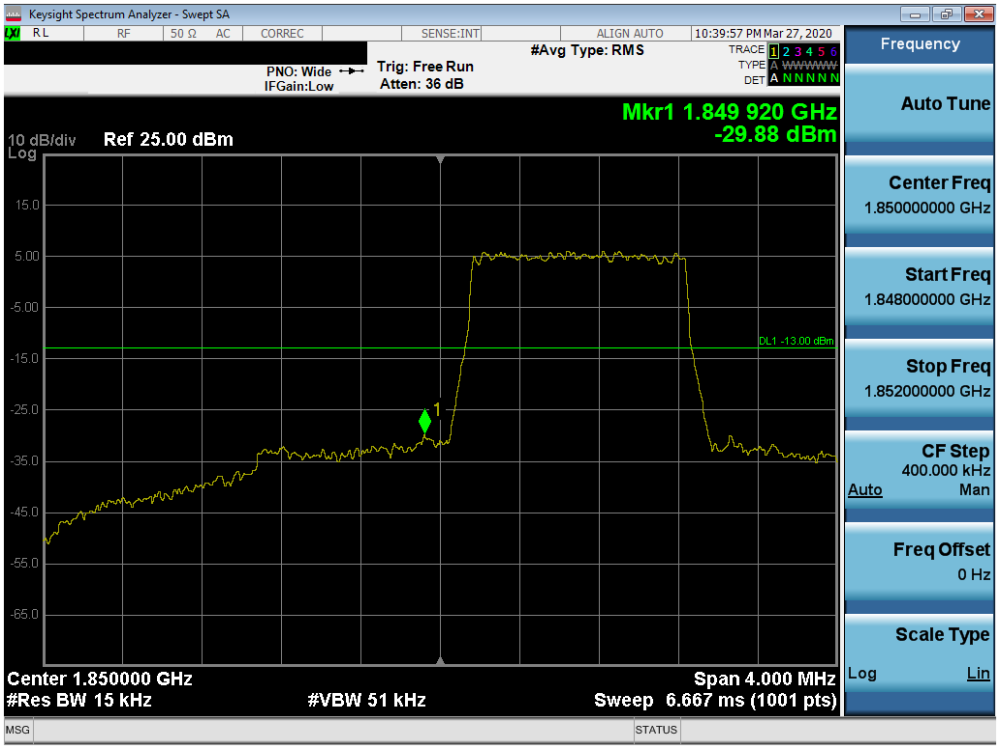
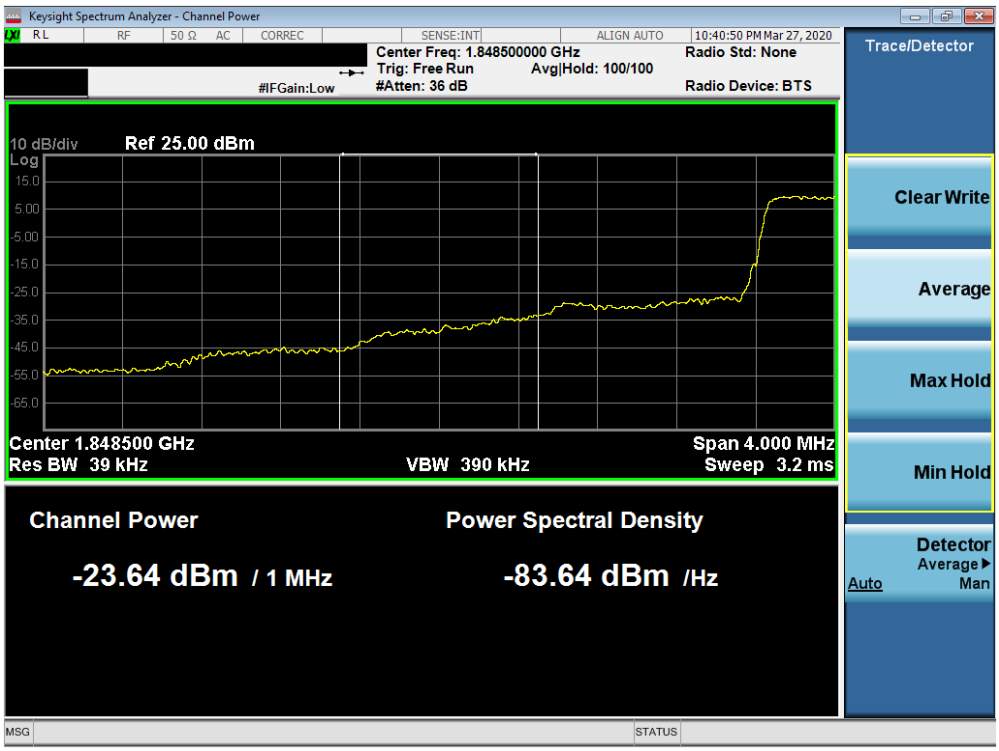
Band 25/2



Plot 7-473. Lower Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-474. Lower Extended Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

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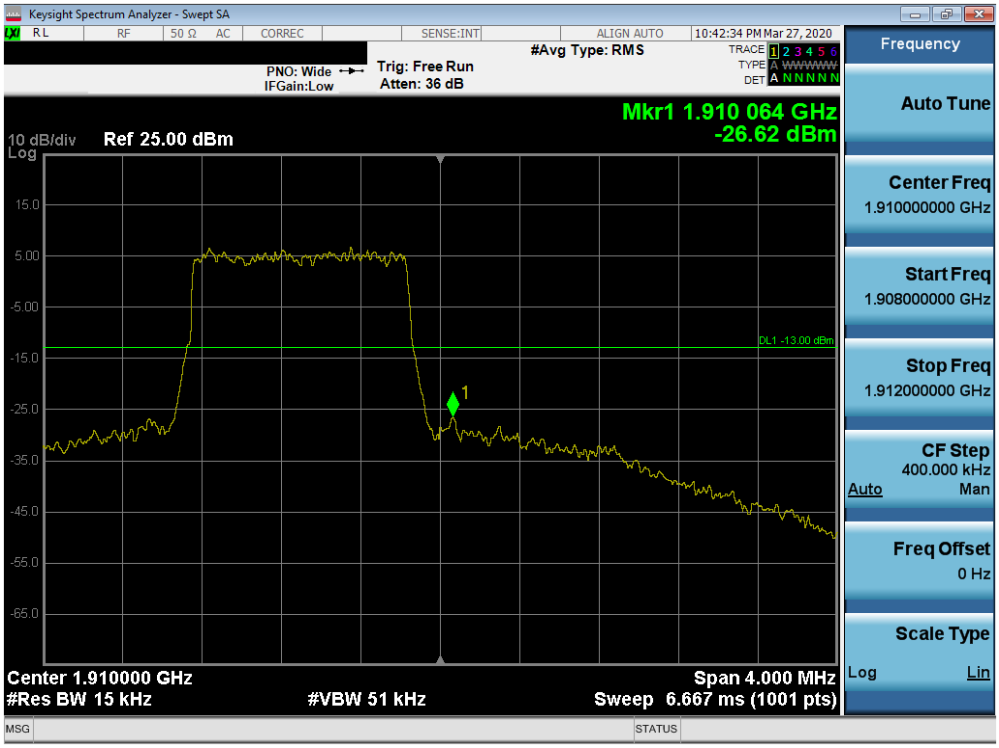
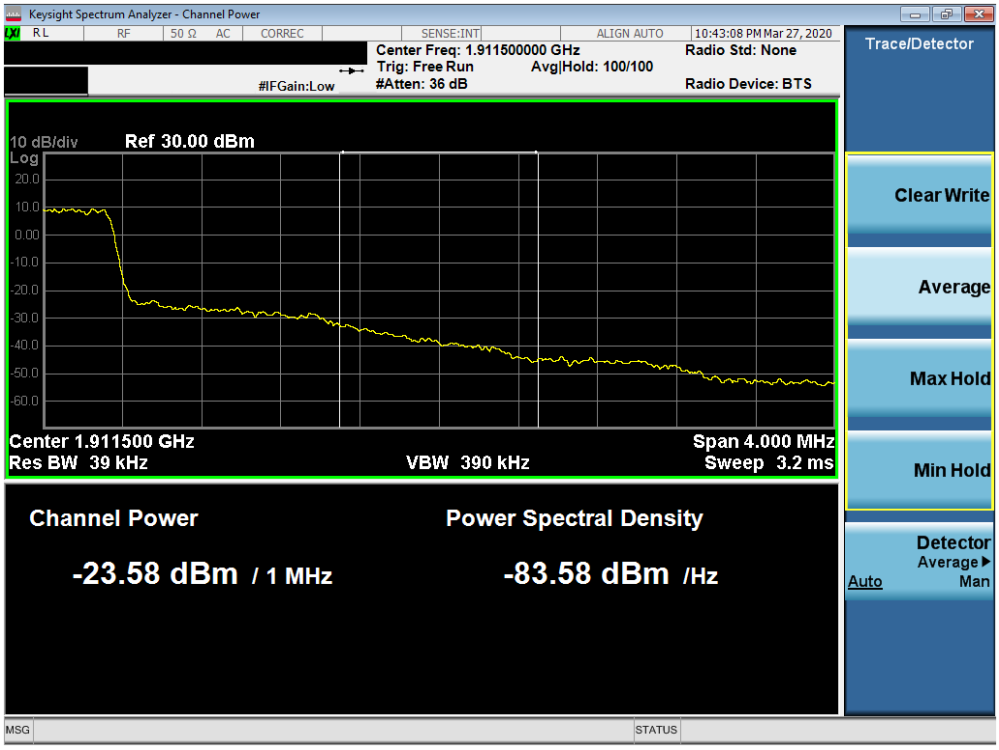


Plot 7-475. Upper Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-476. Upper Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

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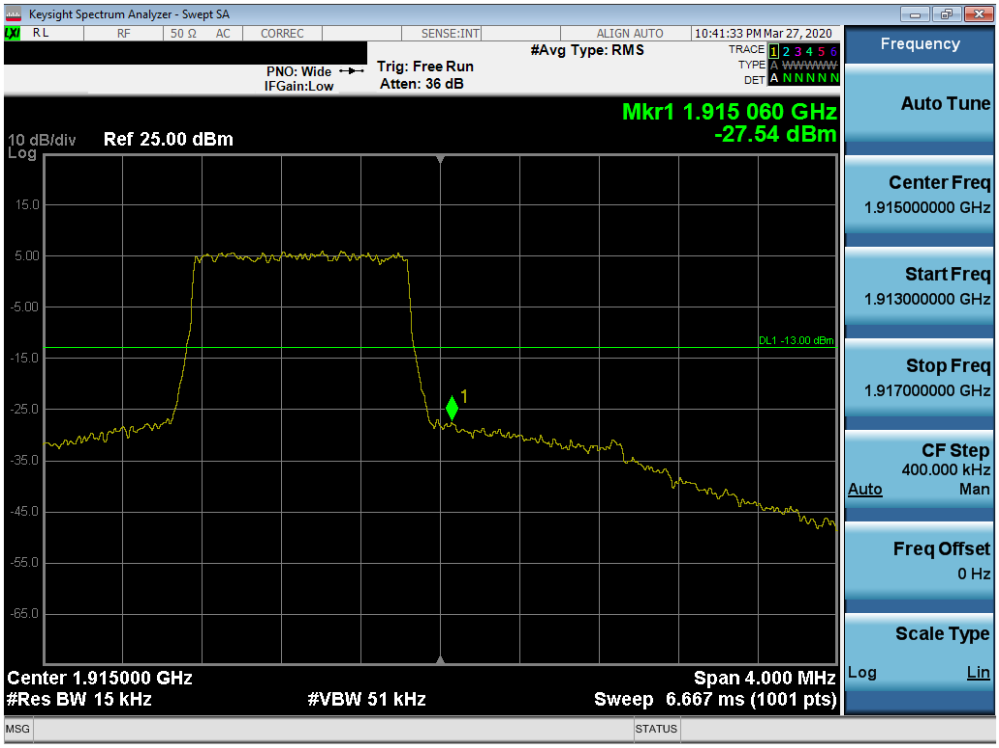
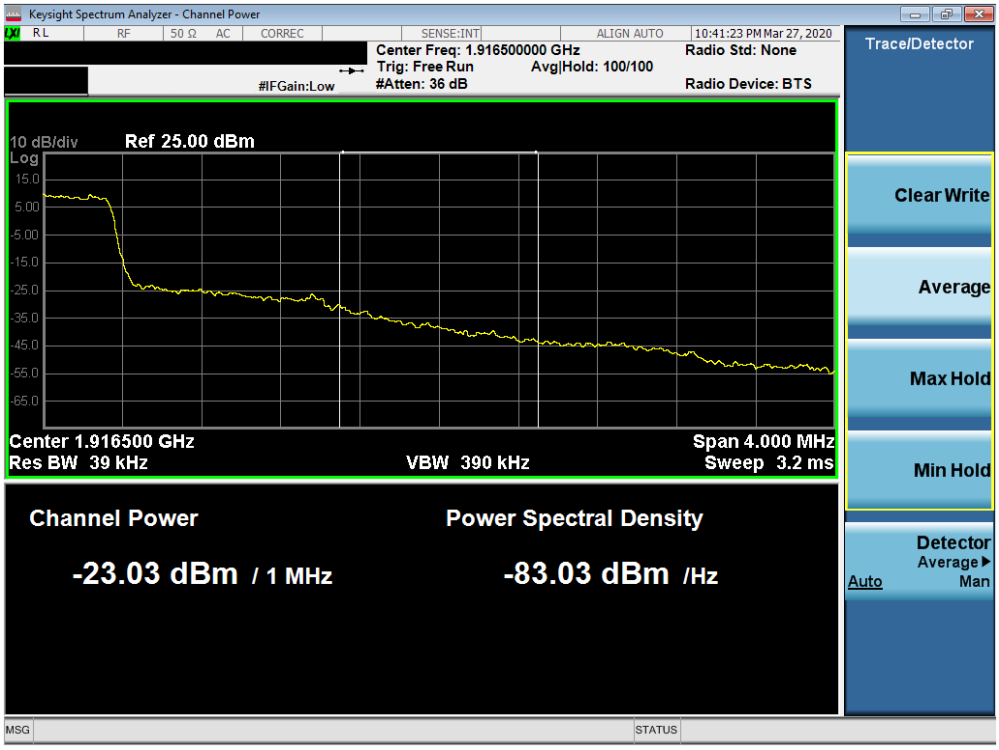


Plot 7-477. Upper Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-478. Upper Extended Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)

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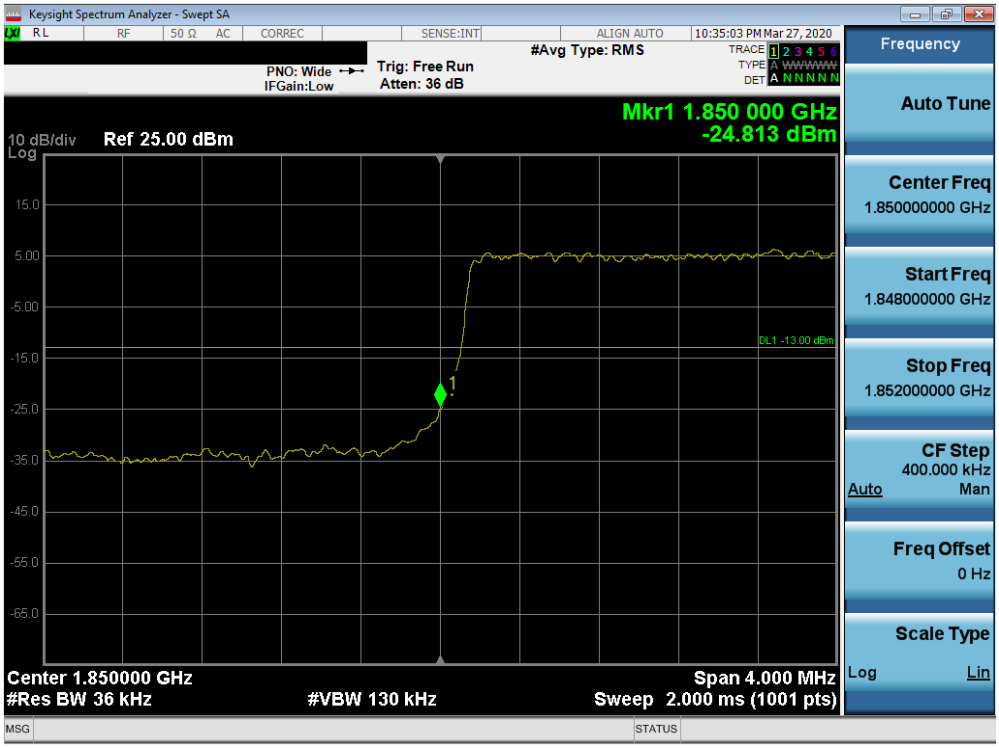
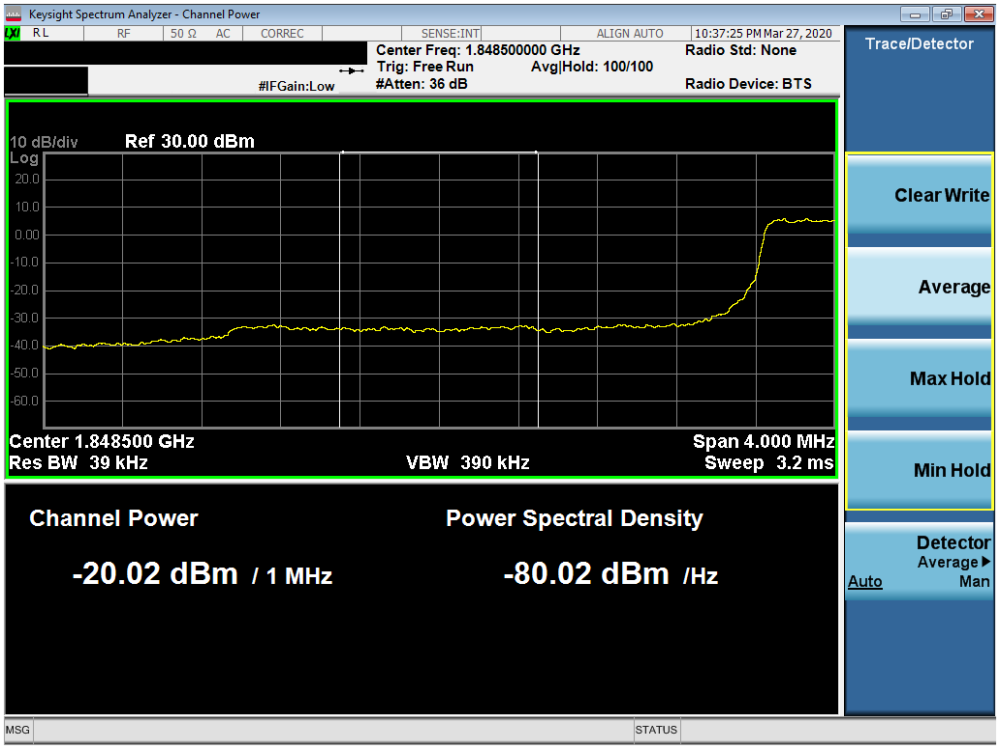


Plot 7-479. Lower Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-480. Lower Extended Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)

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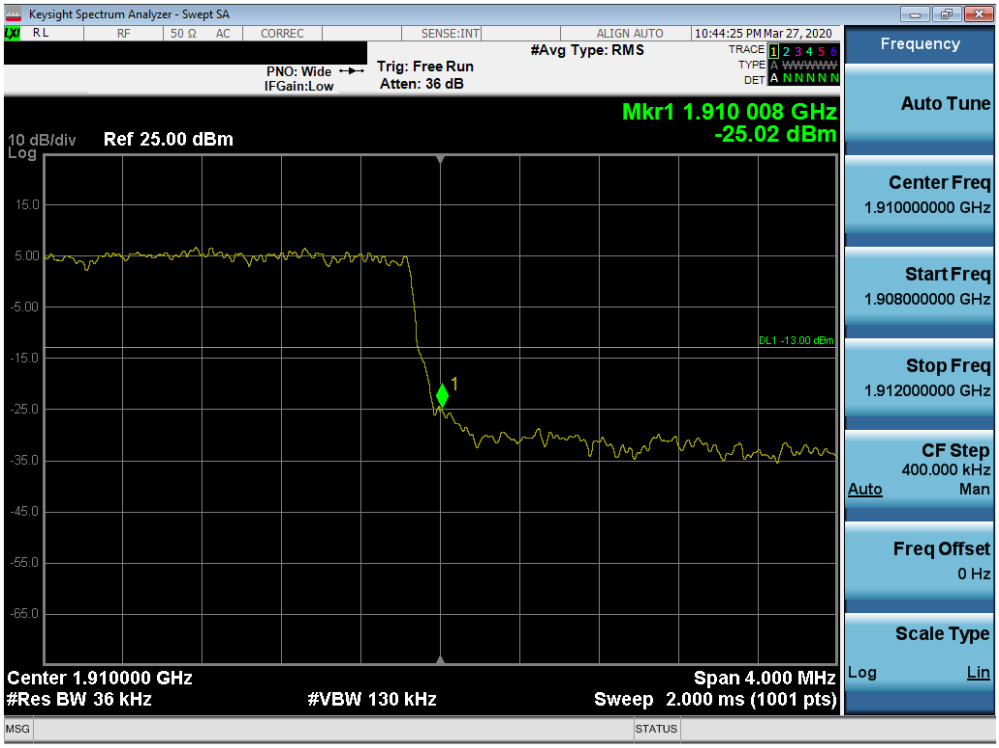
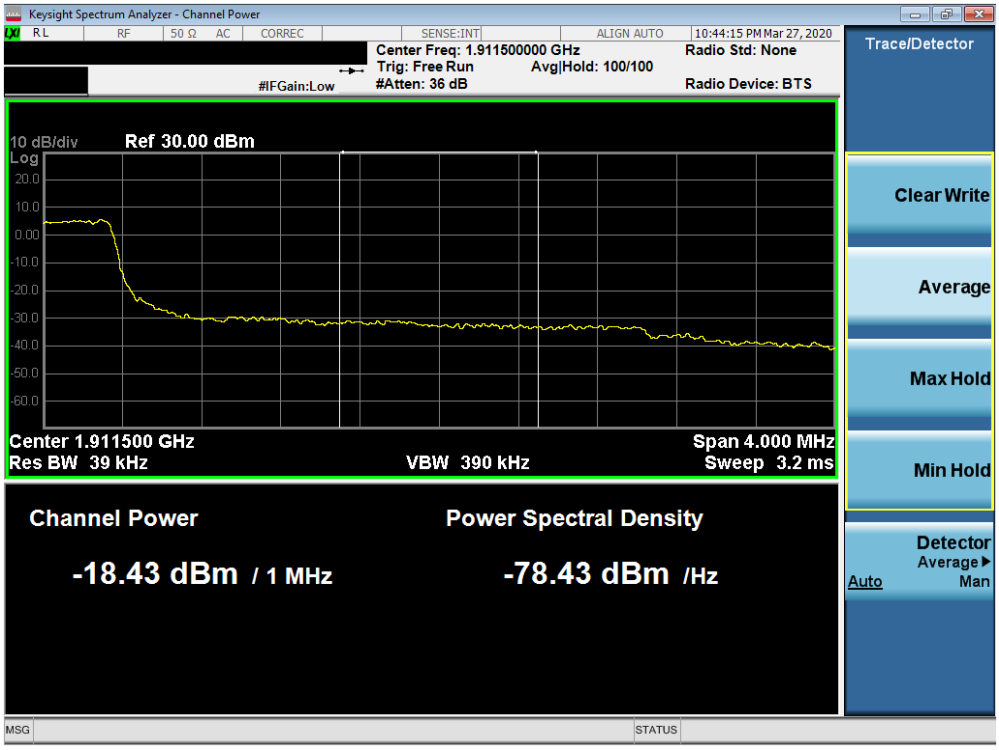


Plot 7-481. Upper Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-482. Upper Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

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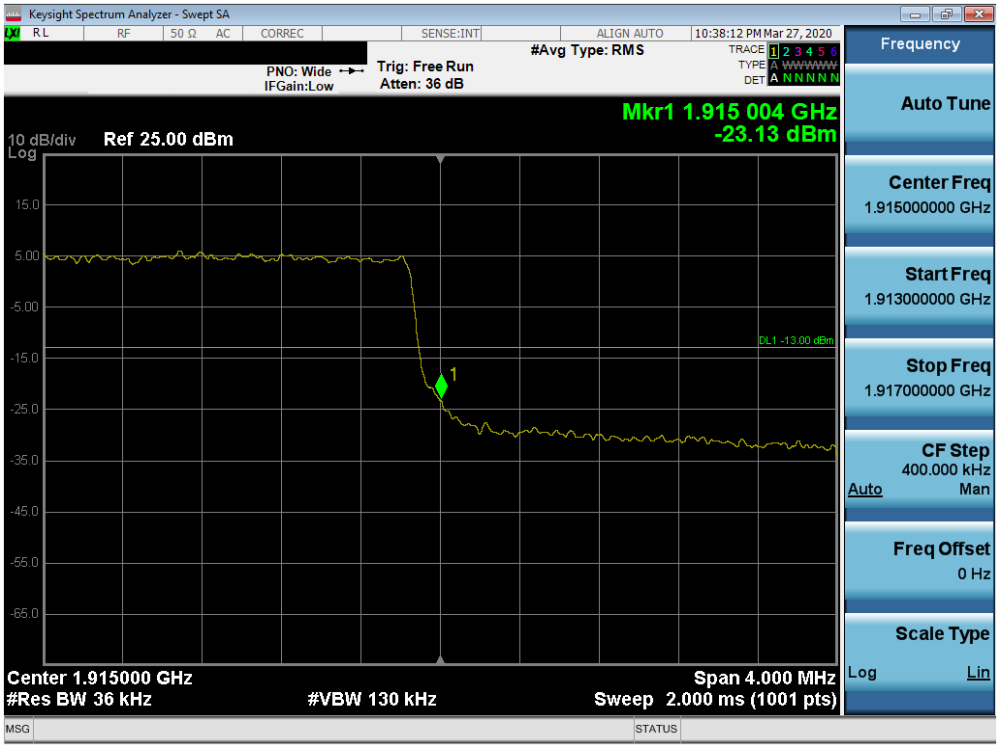
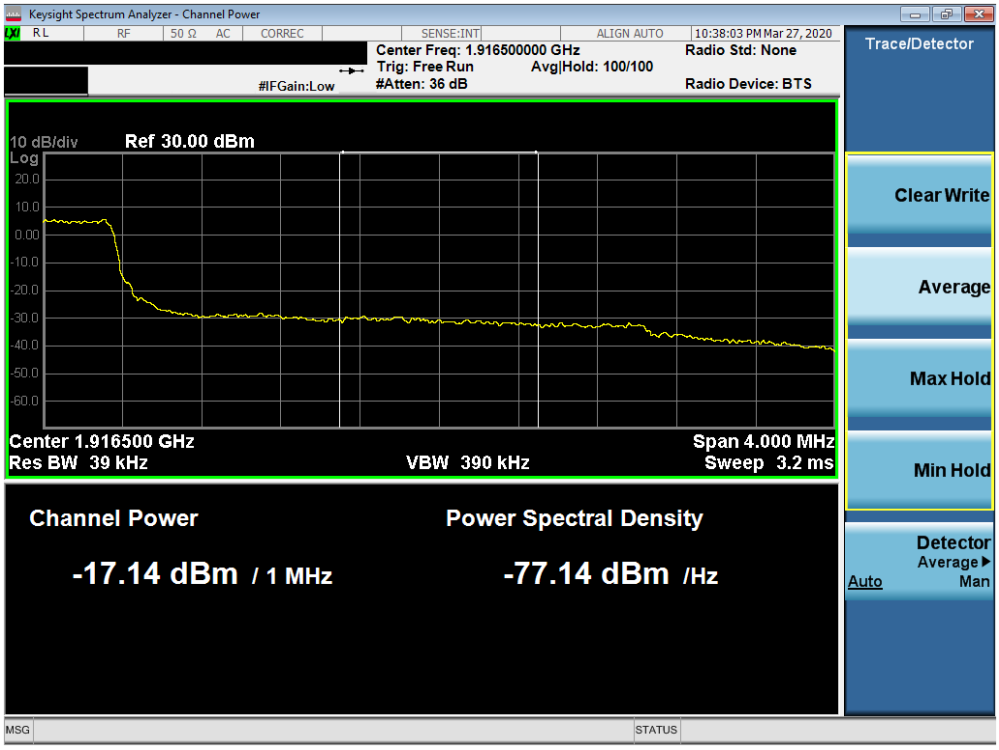


Plot 7-483. Upper Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-484. Upper Extended Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)

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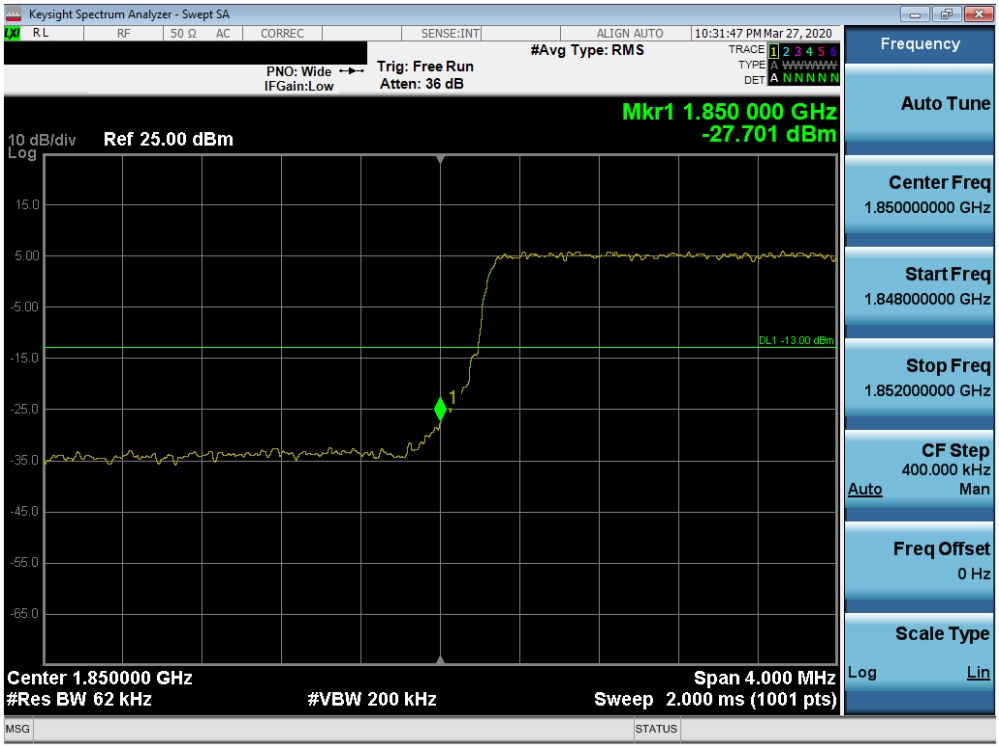
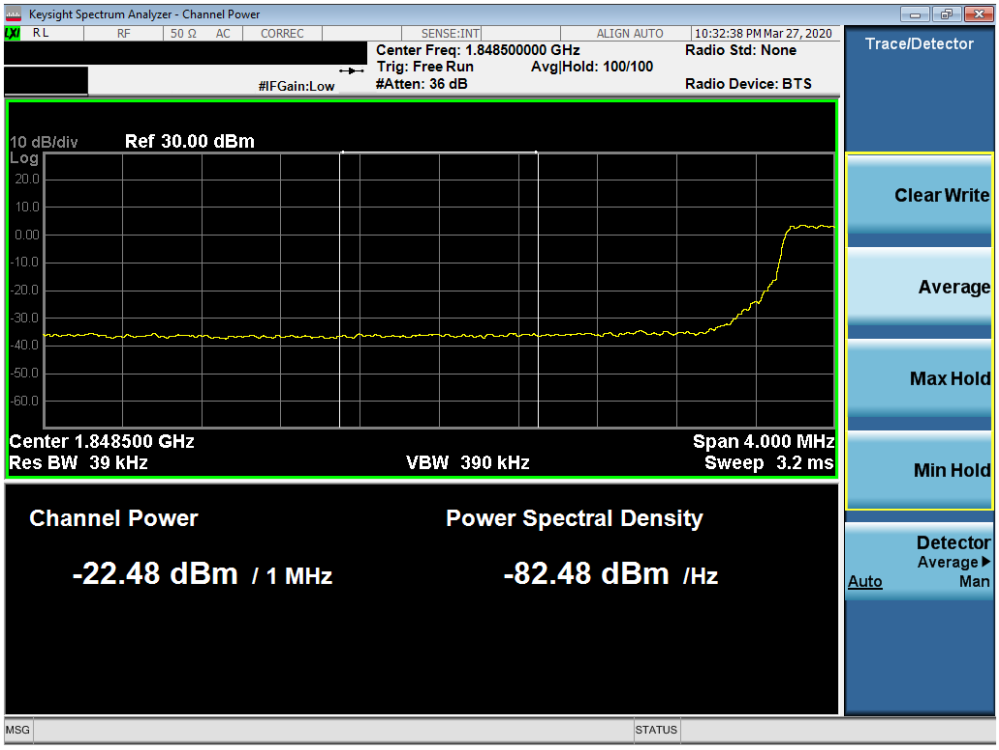


Plot 7-485. Lower Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-486. Lower Extended Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)

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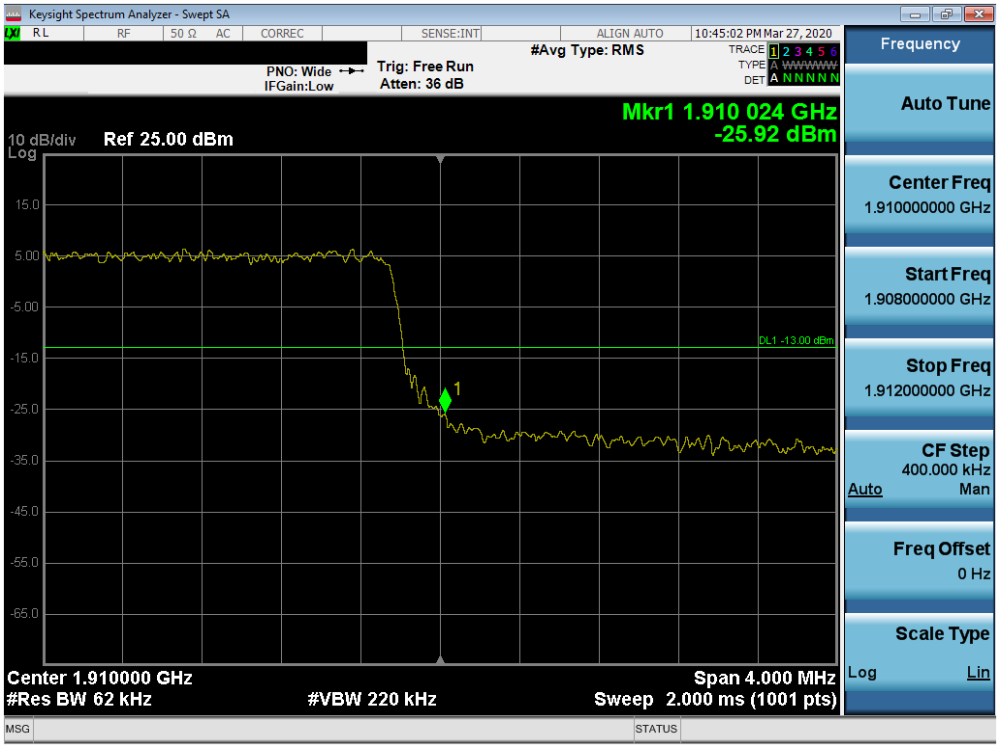
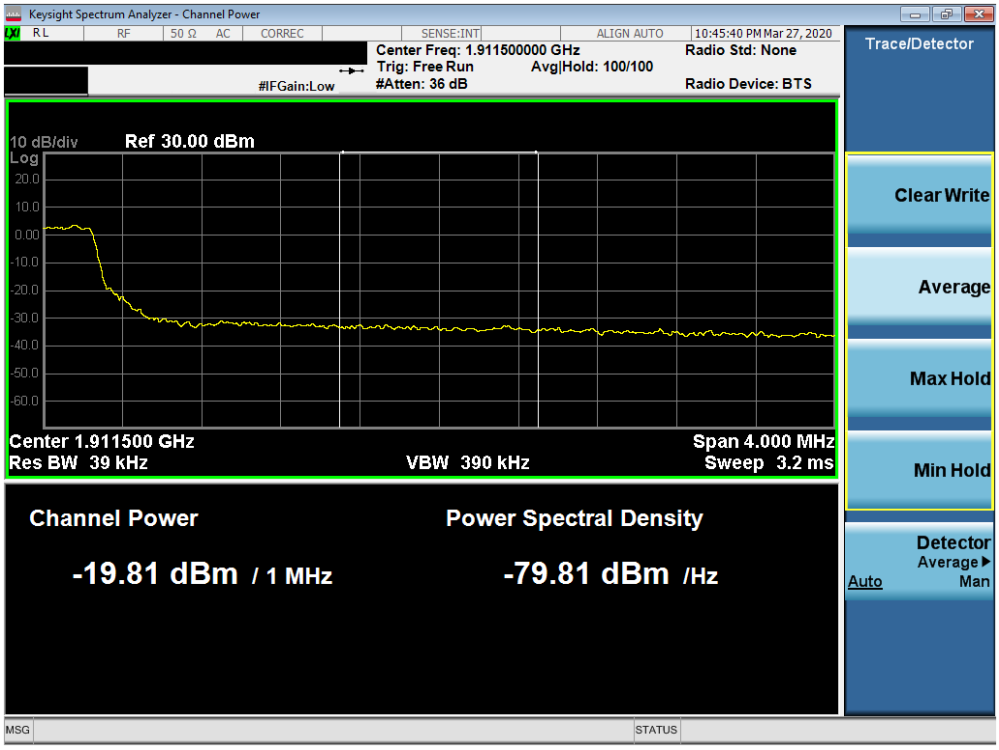


Plot 7-487. Upper Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-488. Upper Extended Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

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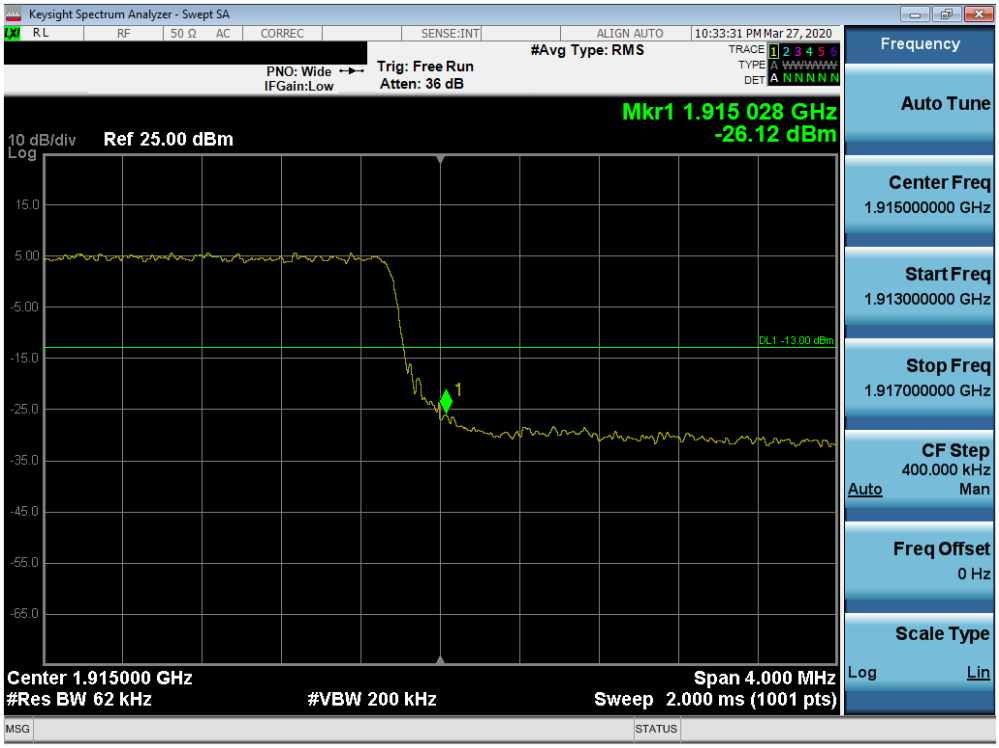
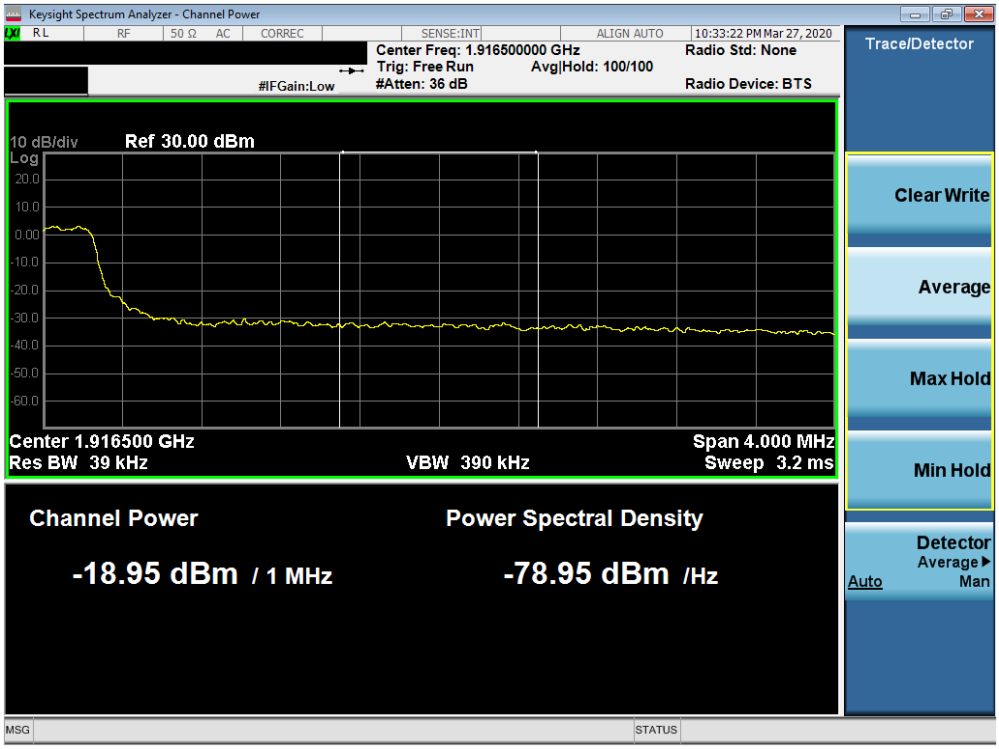


Plot 7-489. Upper Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-490. Upper Extended Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

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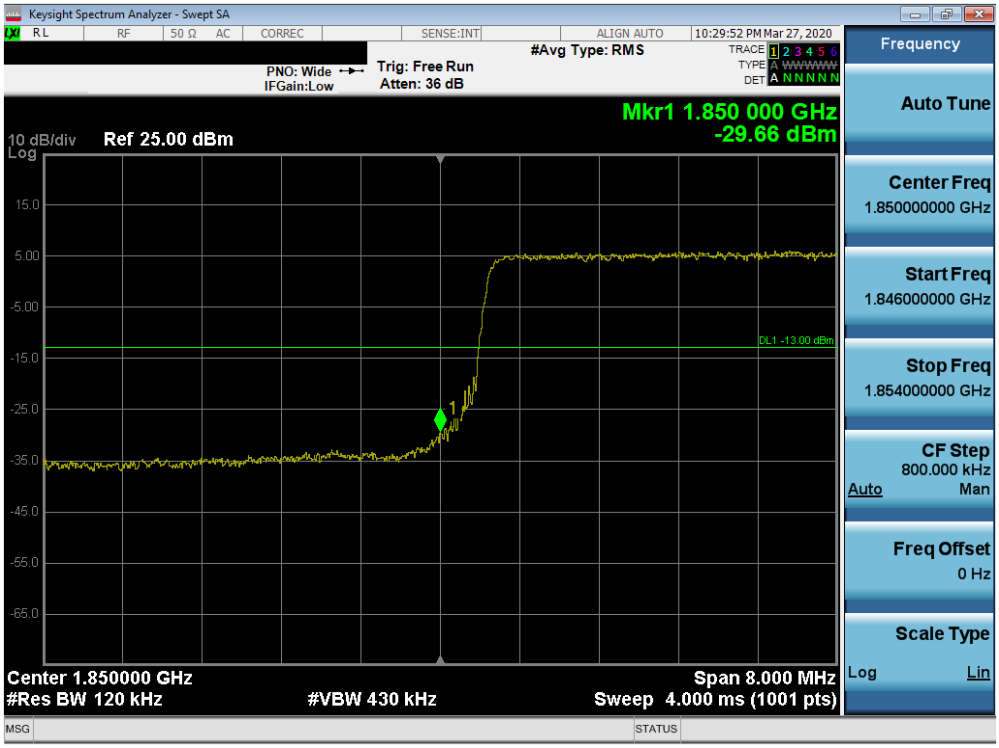
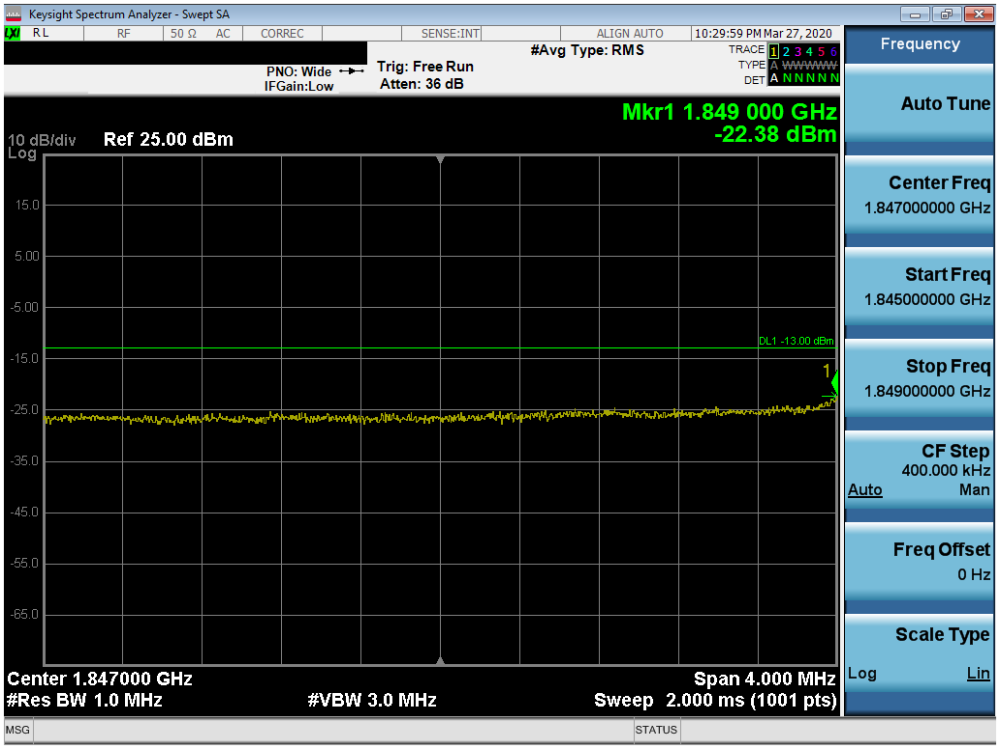


Plot 7-491. Lower Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-492. Lower Extended Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

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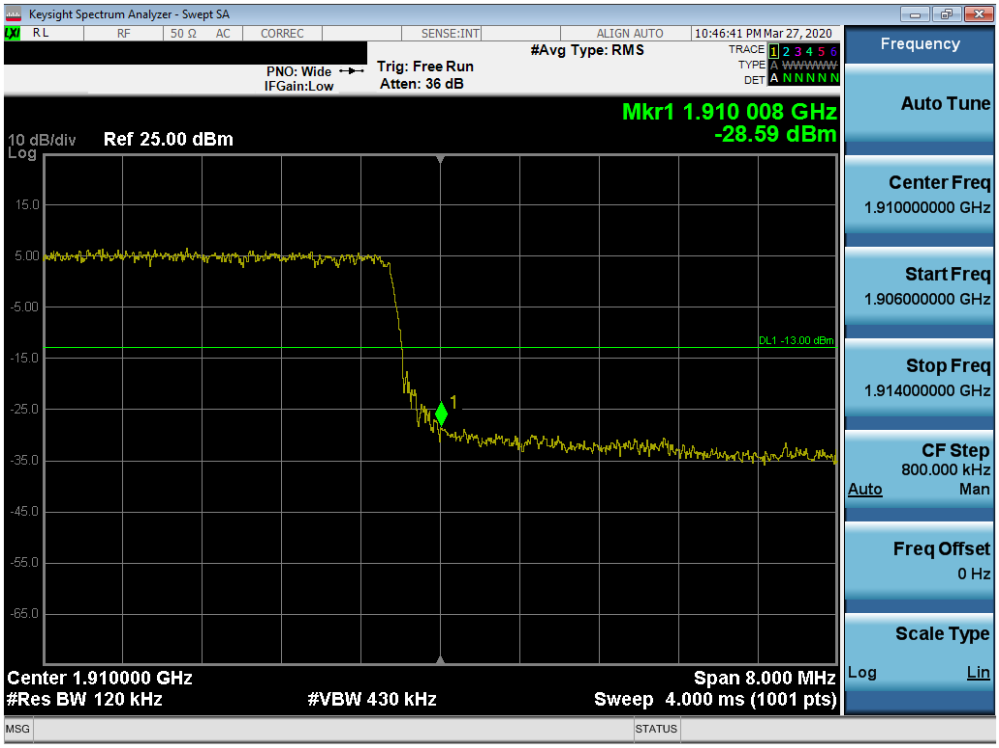
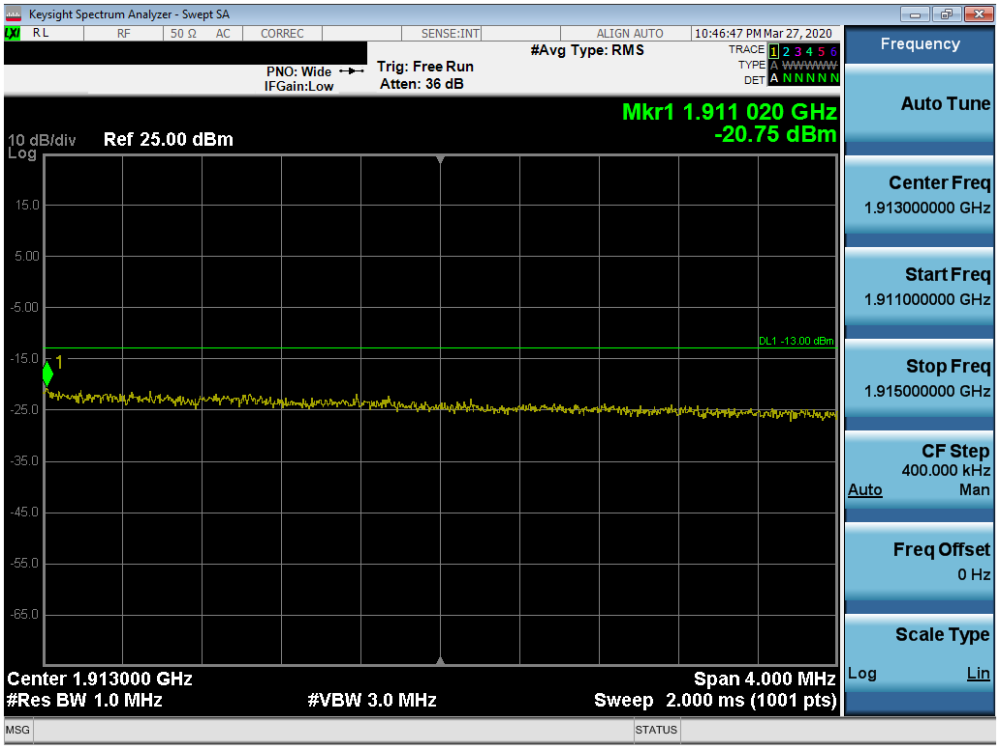


Plot 7-493. Upper Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-494. Upper Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

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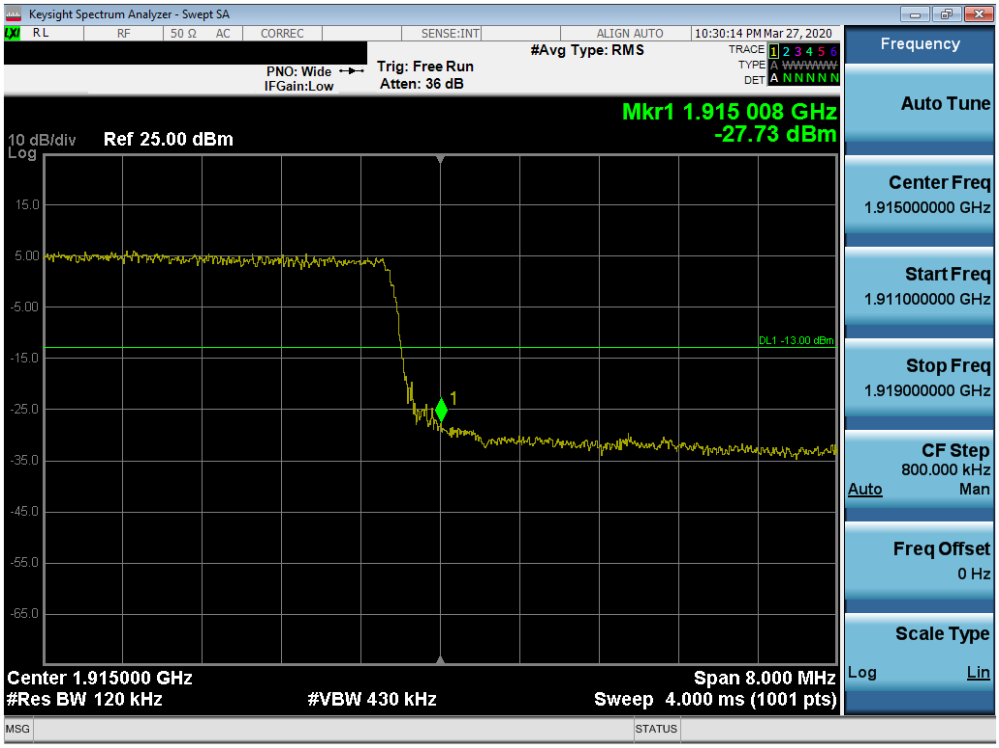
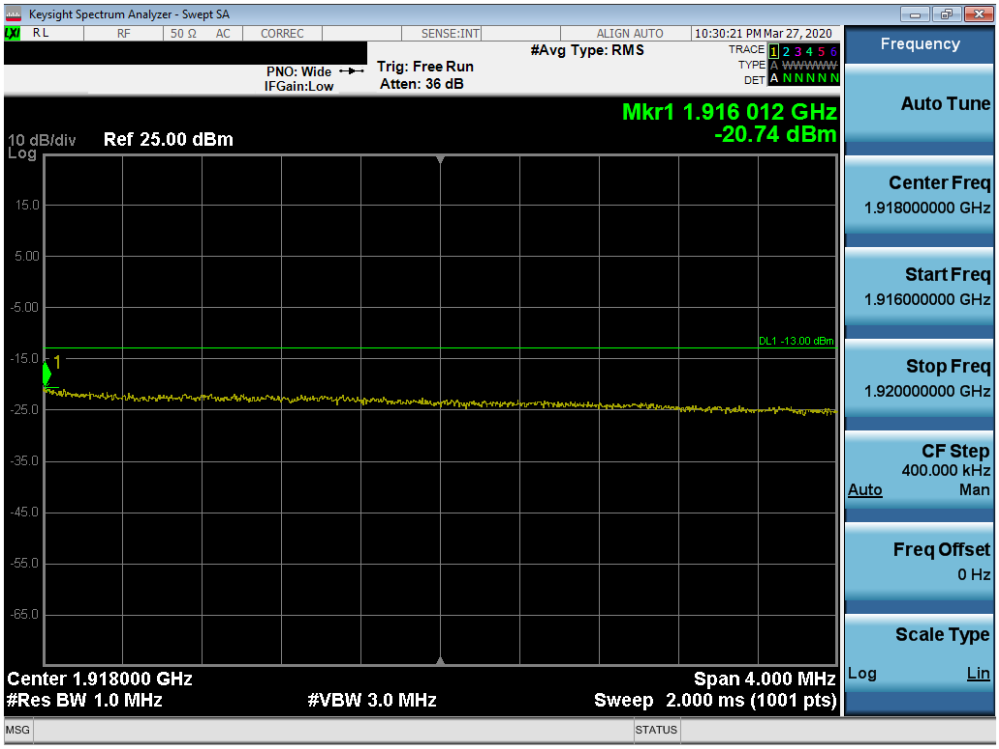


Plot 7-495. Upper Band Edge Plot (Band 25 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-496. Upper Extended Band Edge Plot (Band 25 - 10.0MHz QPSK - Full RB Configuration)

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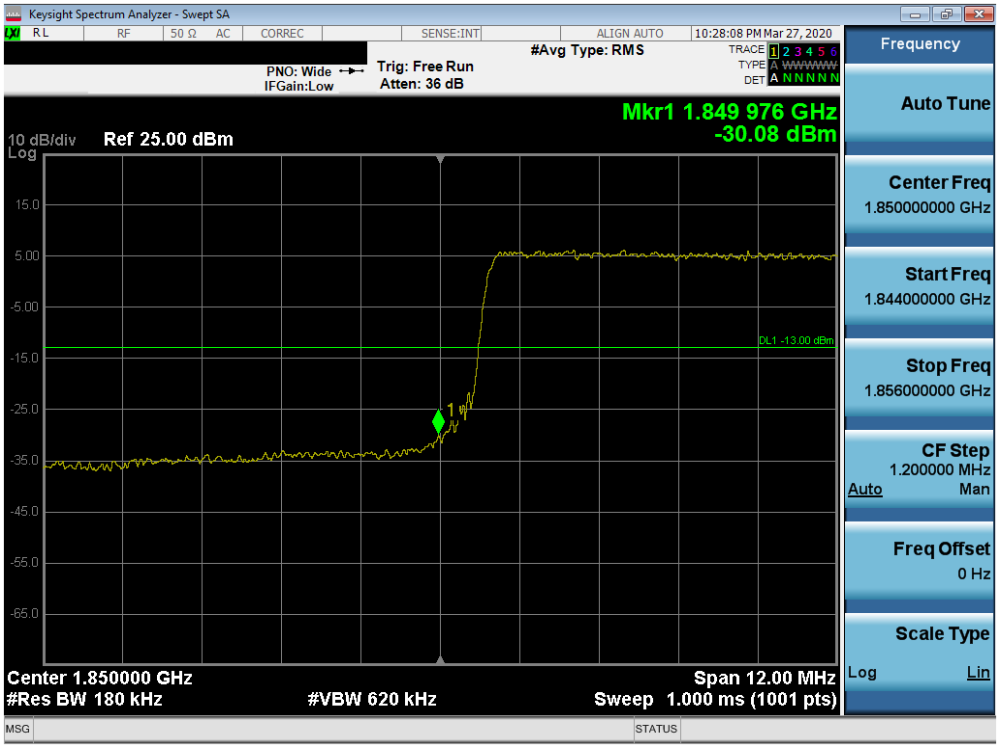
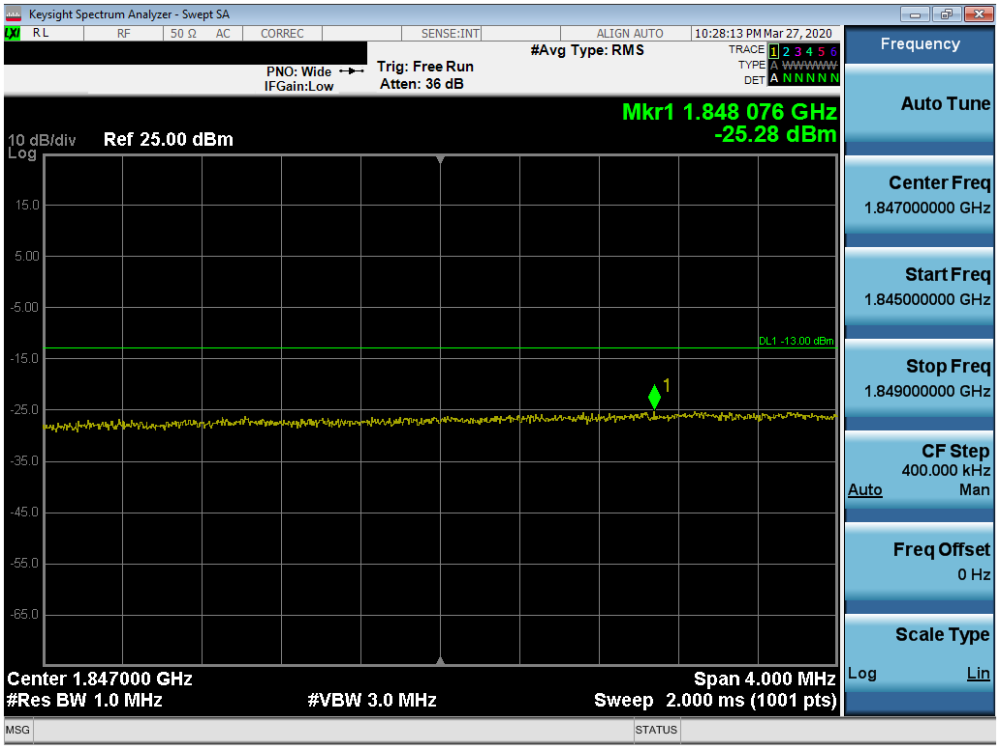


Plot 7-497. Lower Band Edge Plot (Band 25/2 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-498. Lower Extended Band Edge Plot (Band 25/2 - 15.0MHz QPSK - Full RB Configuration)

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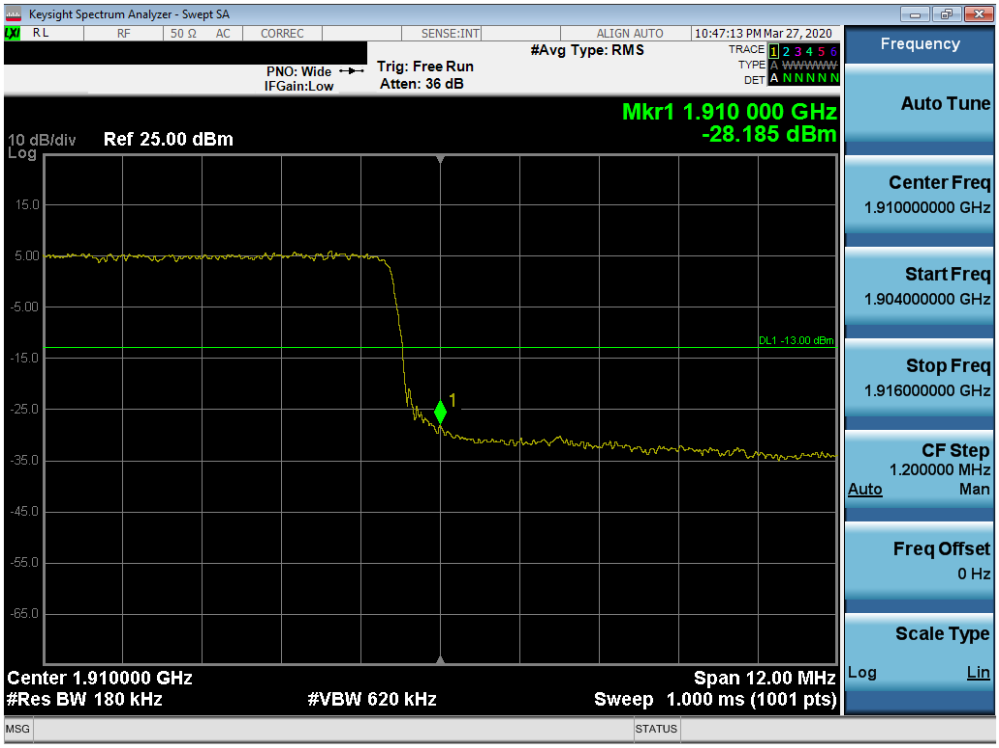
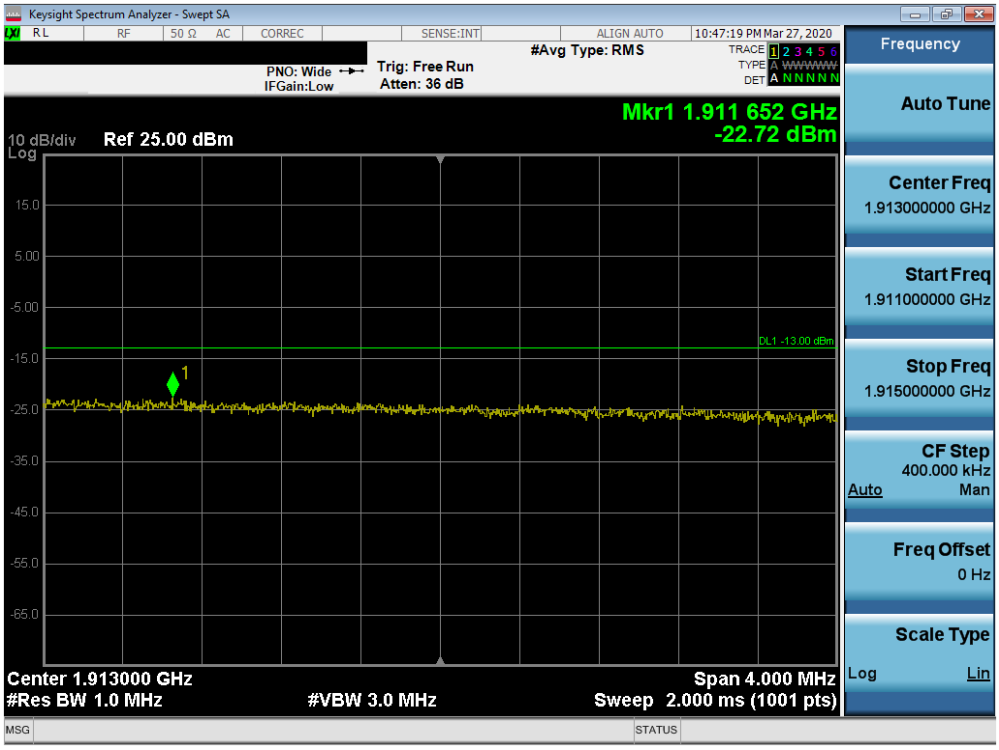


Plot 7-499. Upper Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-500. Upper Extended Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

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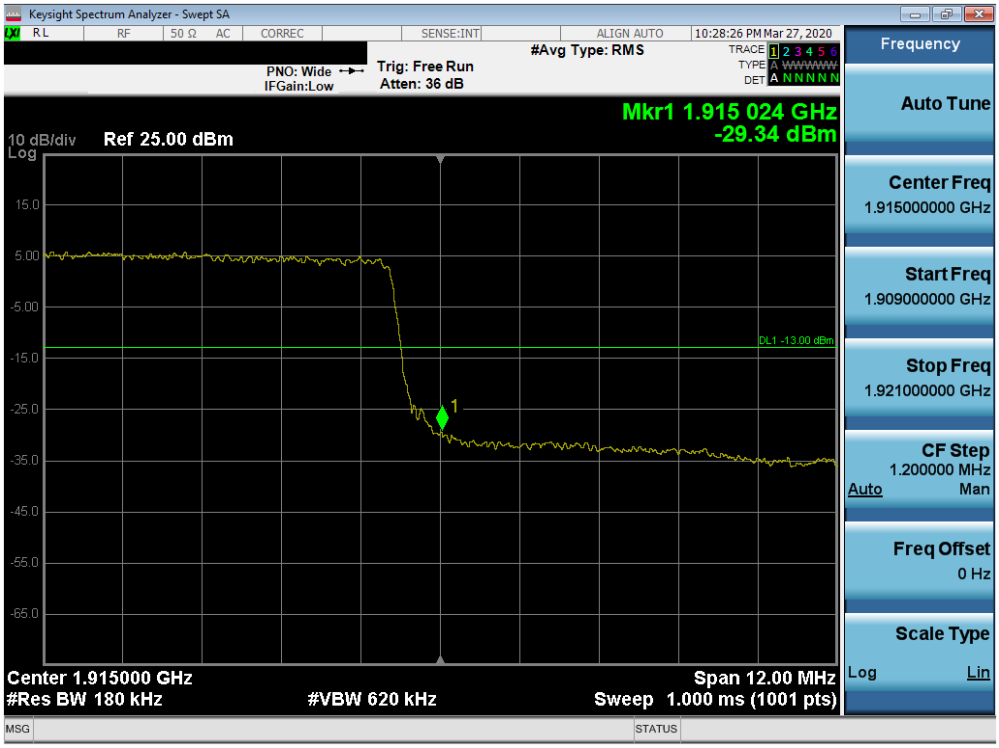
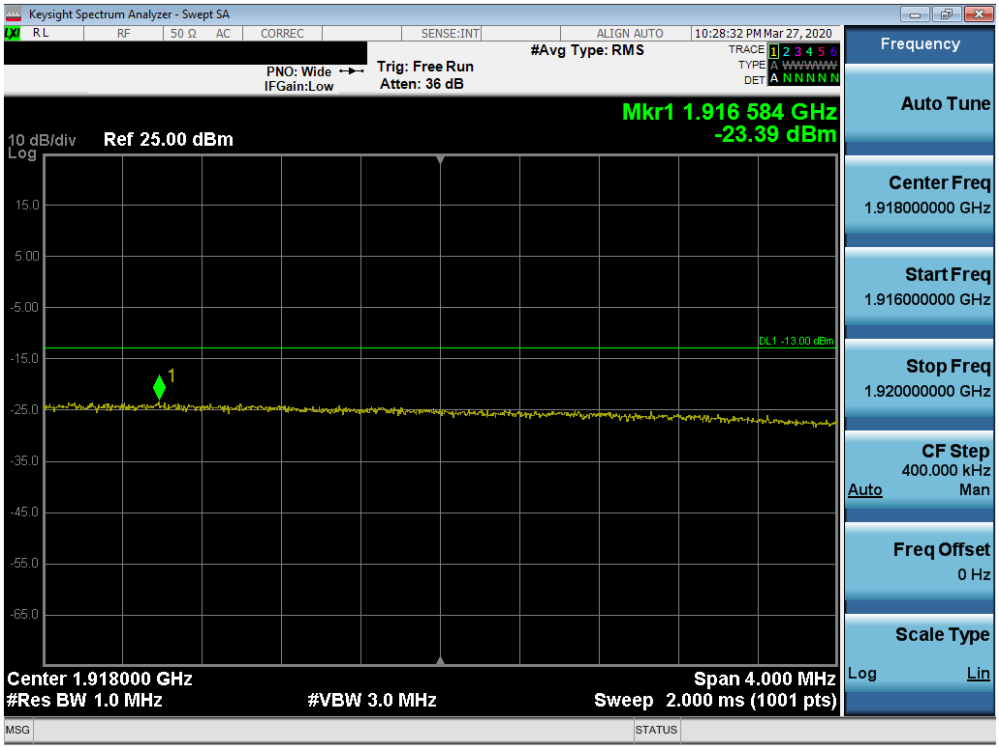


Plot 7-501. Upper Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-502. Upper Extended Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

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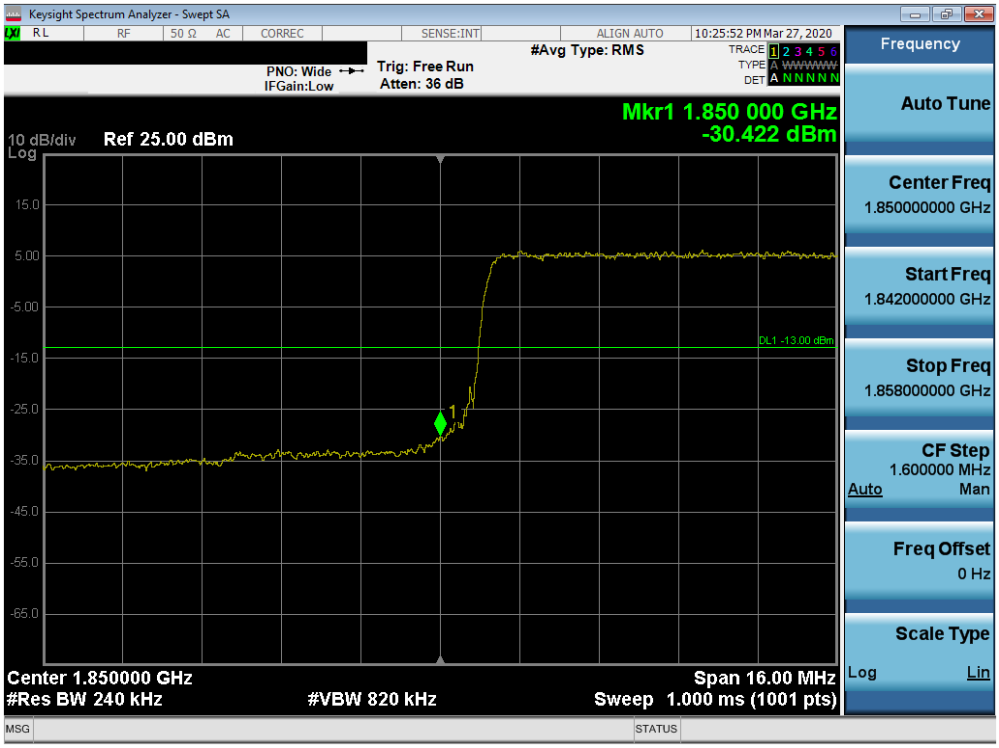
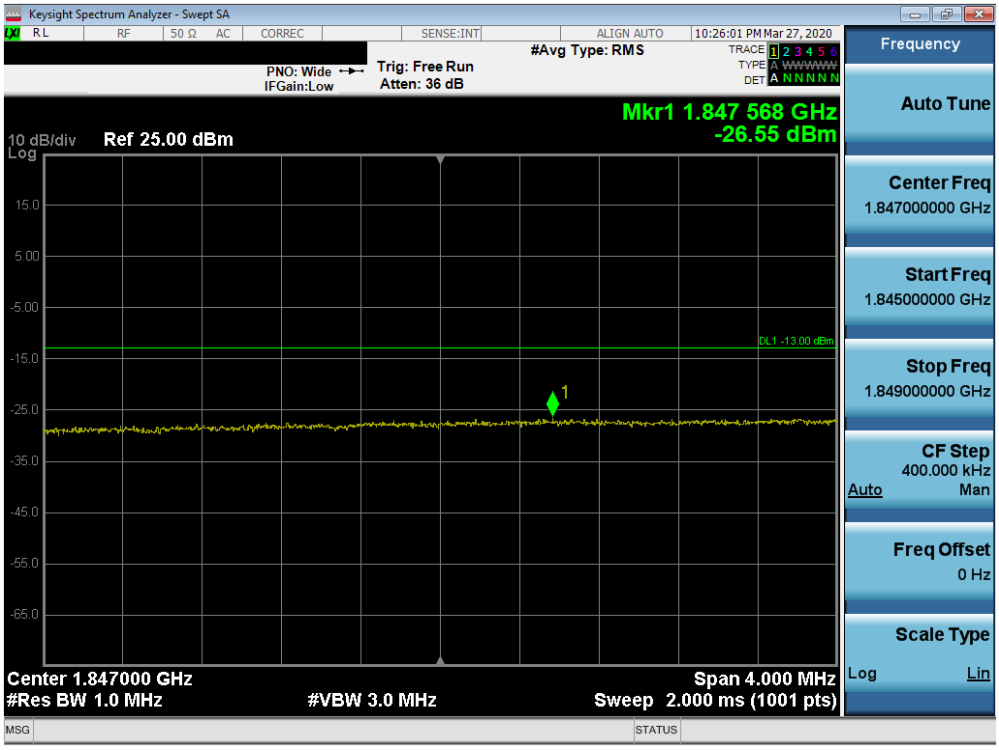


Plot 7-503. Lower Band Edge Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-504. Lower Extended Band Edge Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

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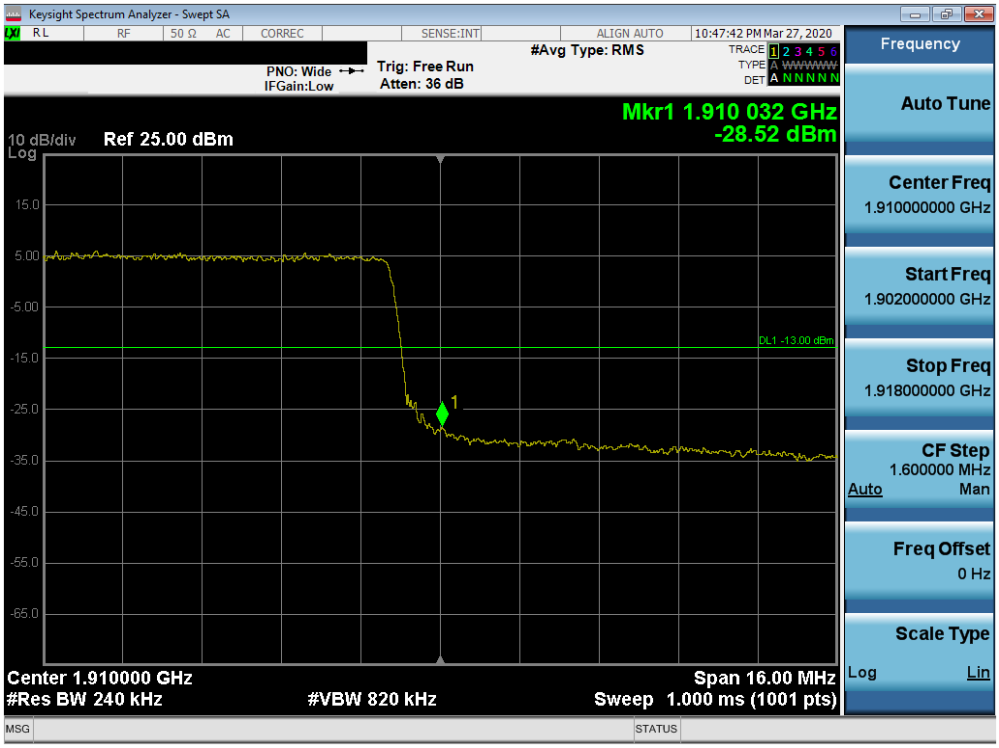
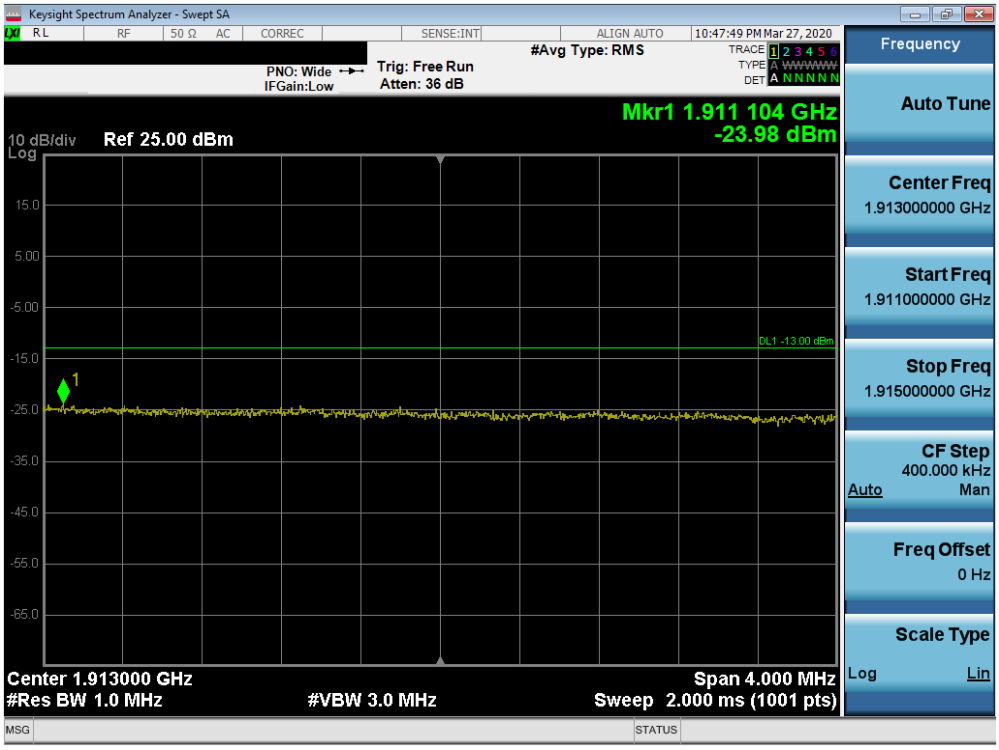


Plot 7-505. Upper Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-506. Upper Extended Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

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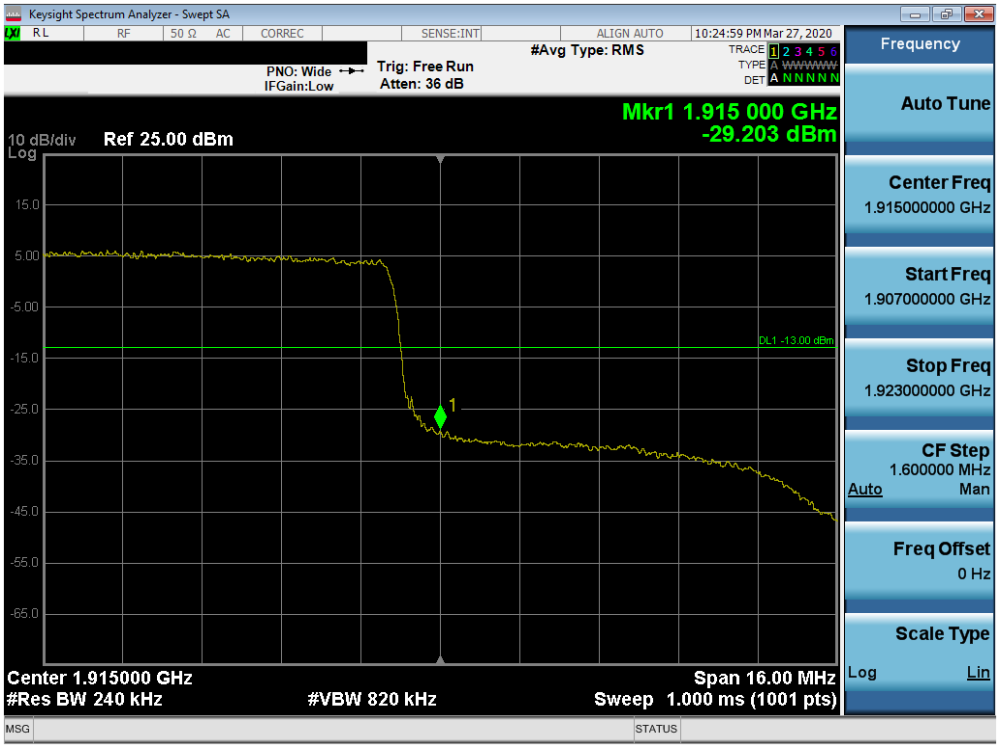
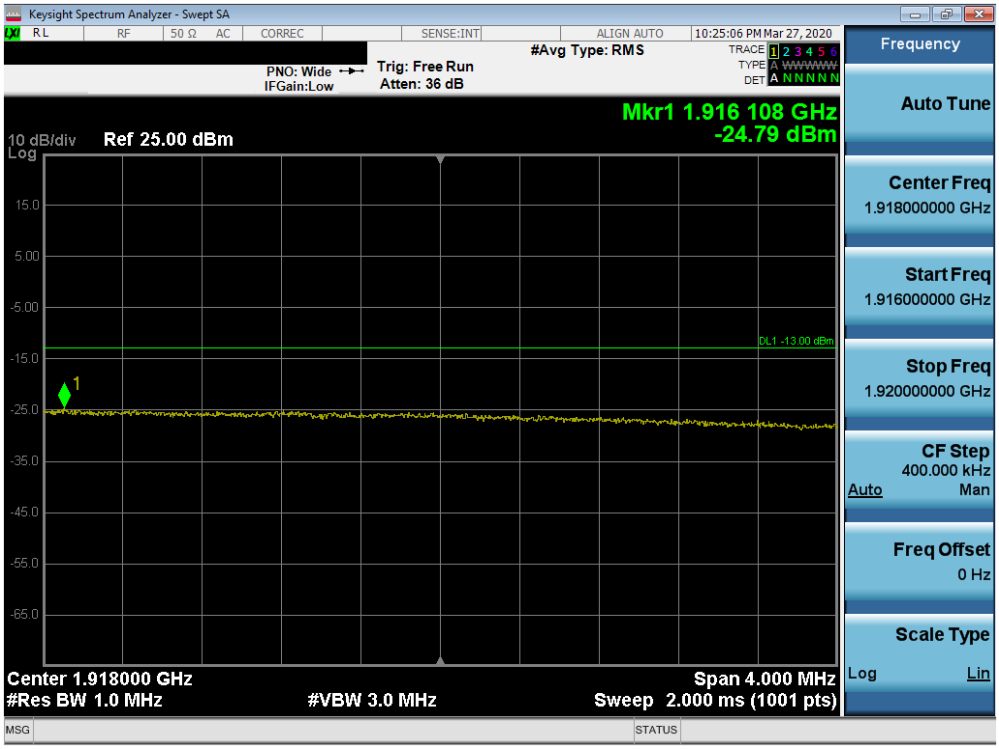


Plot 7-507. Upper Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-508. Upper Extended Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)

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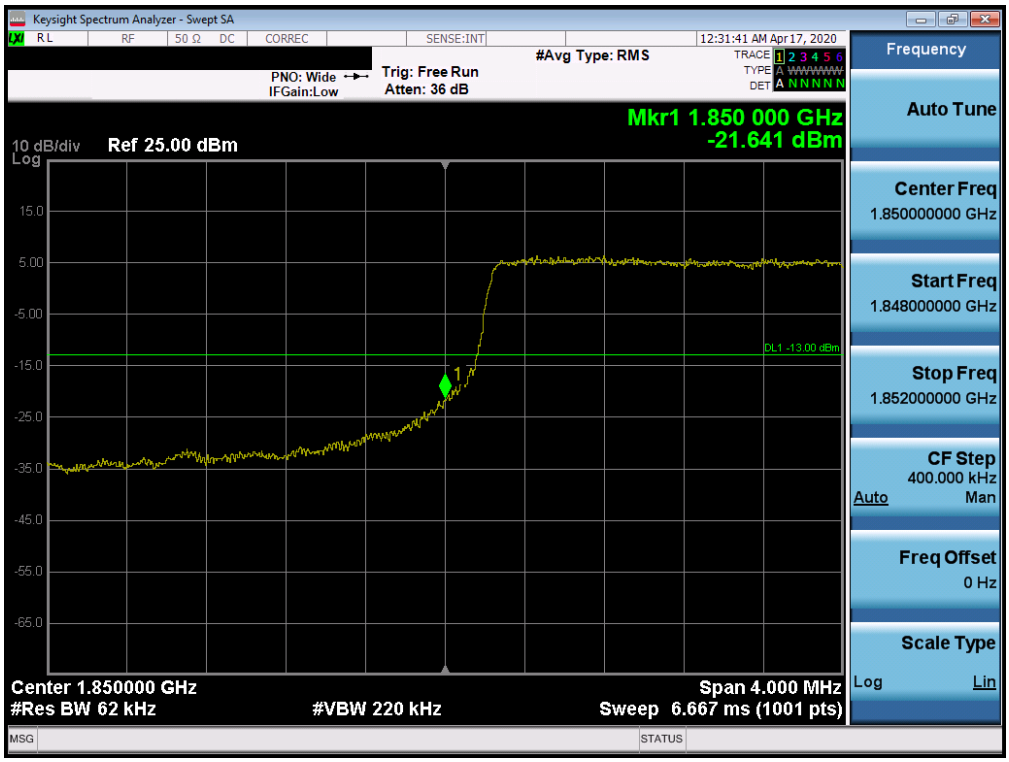
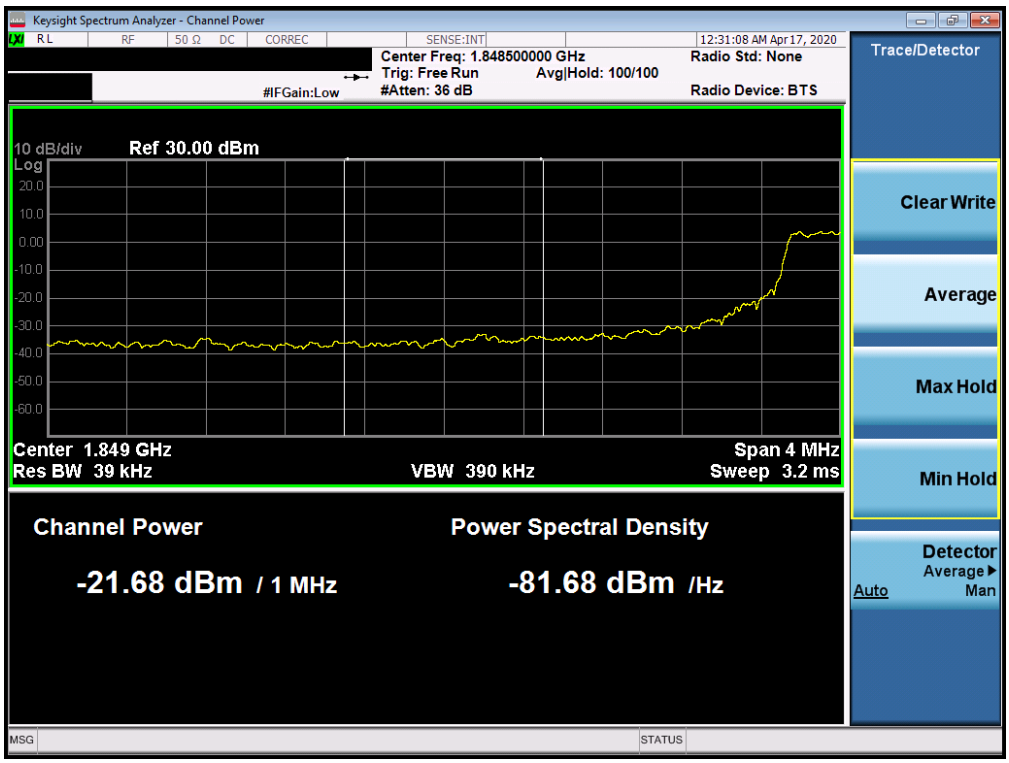
NR Band n2



Plot 7-509. Lower Band Edge Plot (n2 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-510. Lower Extended Band Edge Plot (n2 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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Plot 7-511. Upper Band Edge Plot (n2 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

Plot 7-512. Upper Extended Band Edge Plot (n2 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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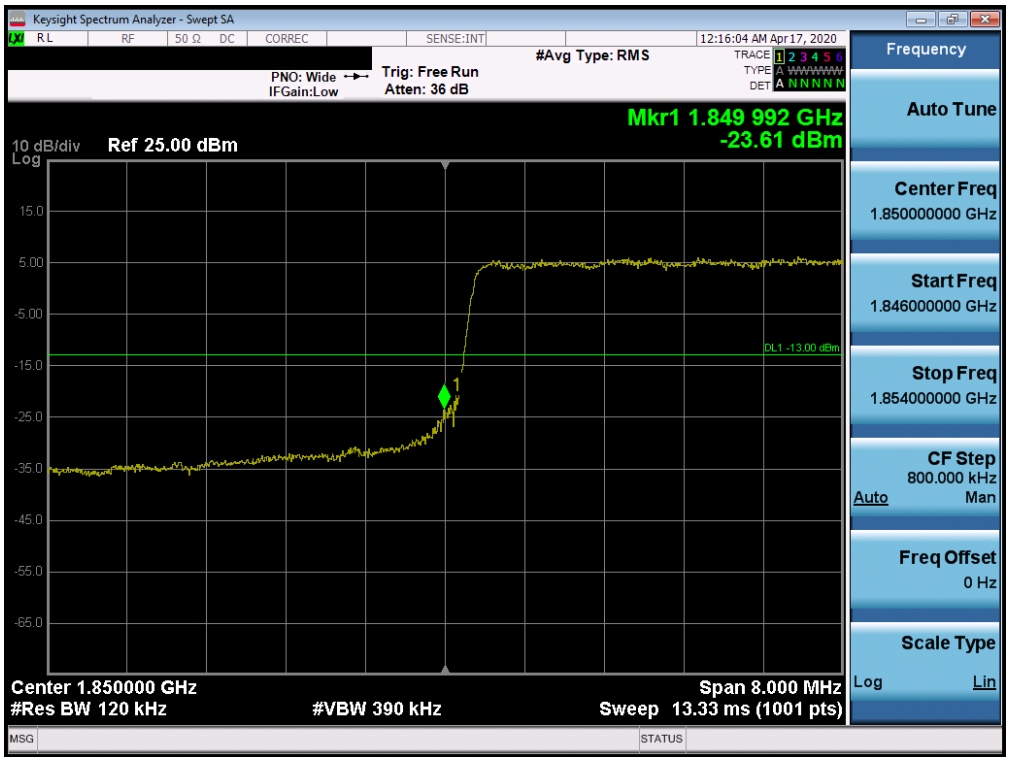
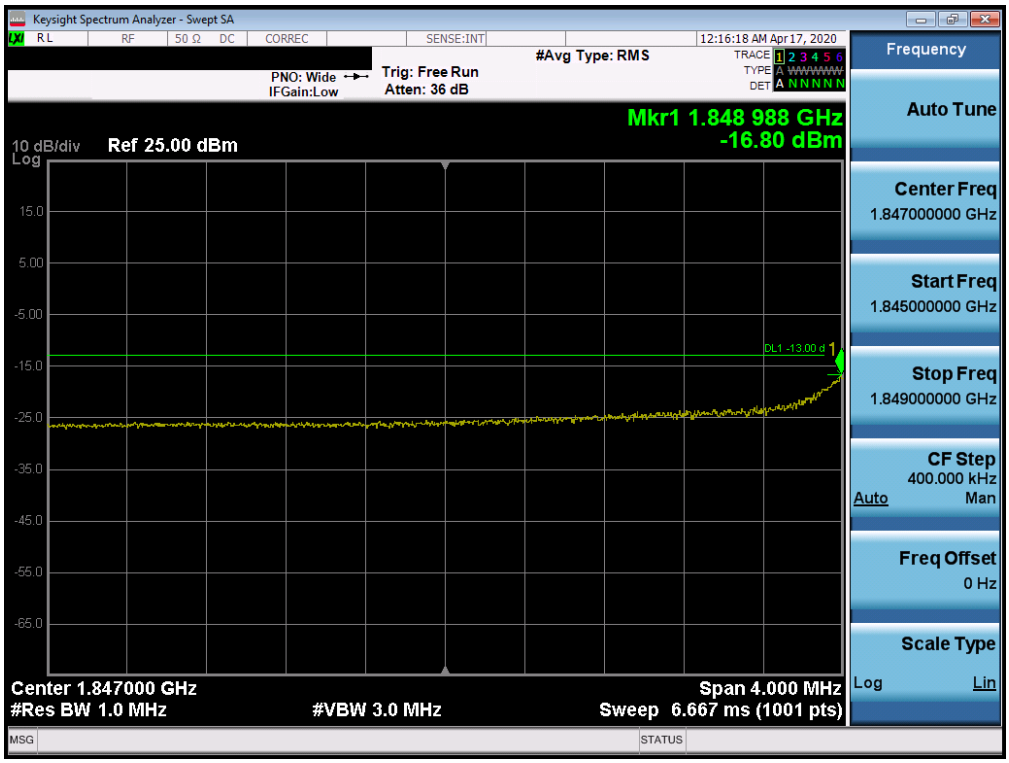


Plot 7-513. Lower Band Edge Plot (n2 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-514. Lower Extended Band Edge Plot (n2 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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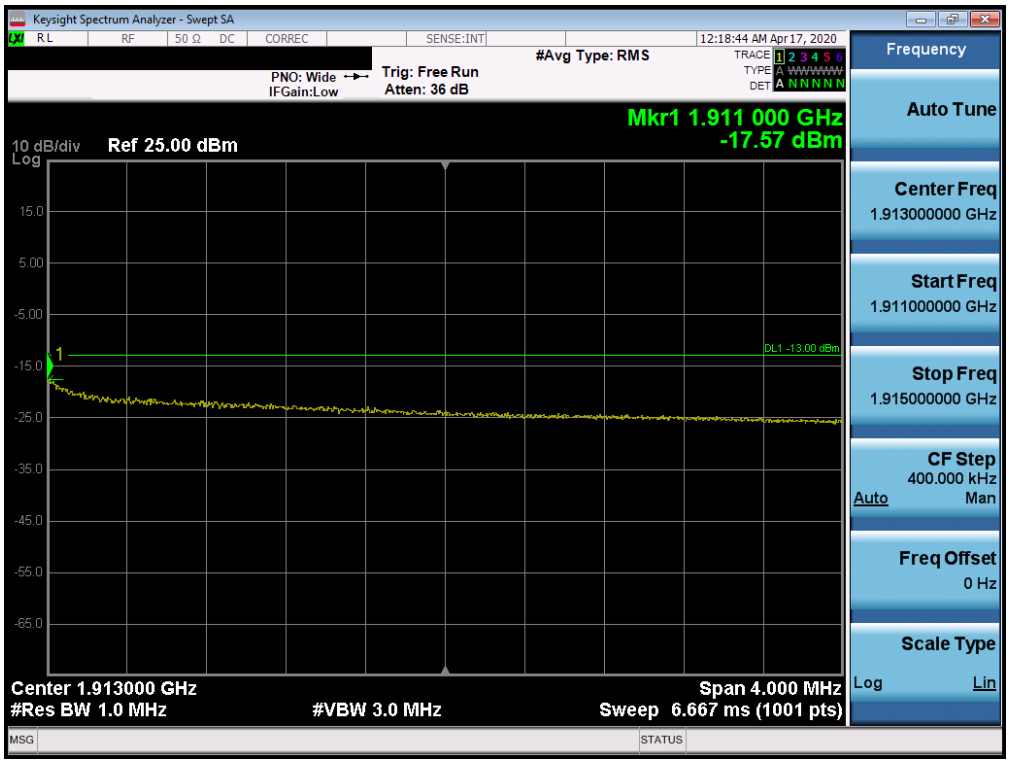
Plot 7-515. Upper Band Edge Plot (n2 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-516. Upper Extended Band Edge Plot (n2 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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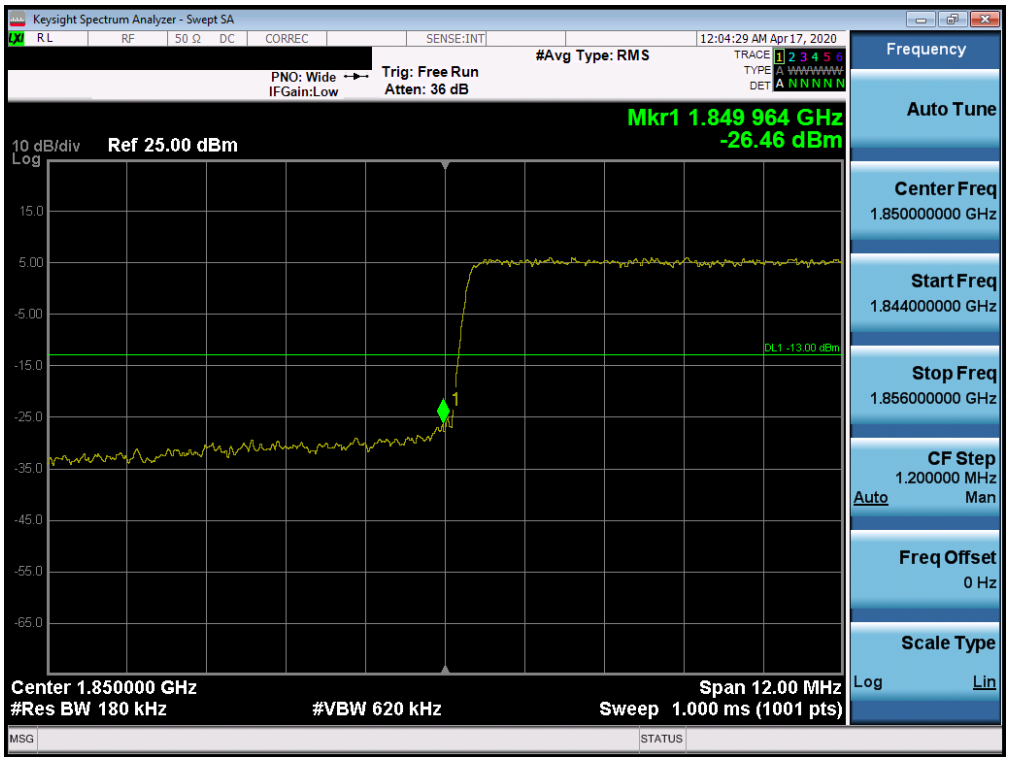
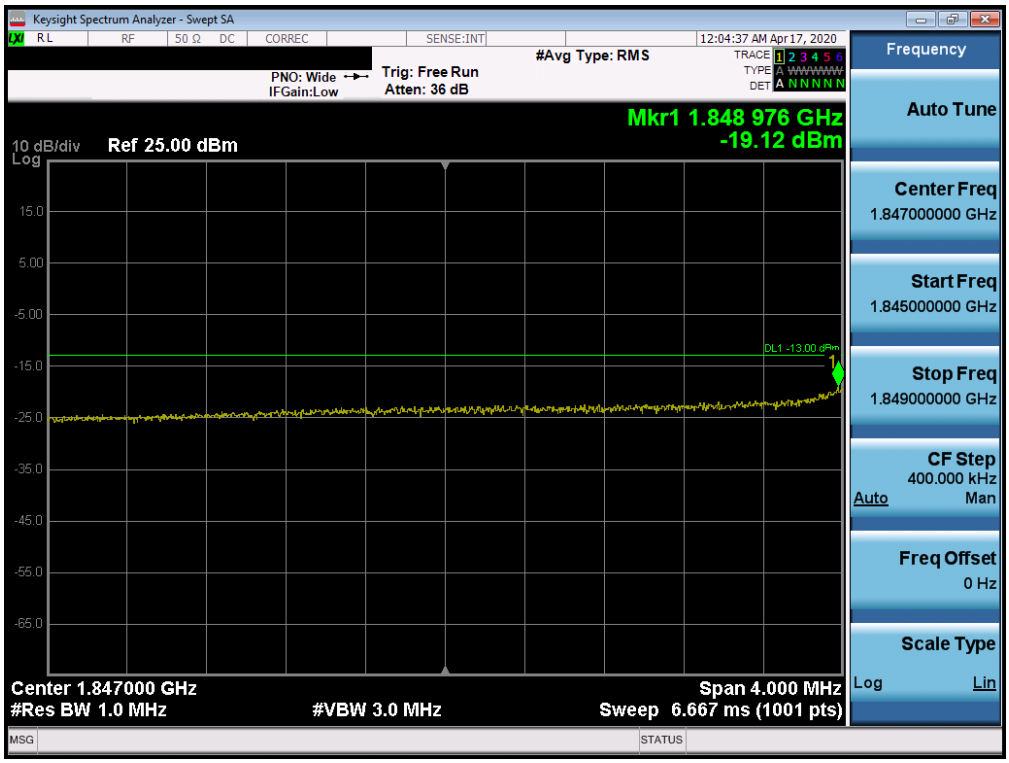


Plot 7-517. Lower Band Edge Plot (n2 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-518. Lower Extended Band Edge Plot (n2 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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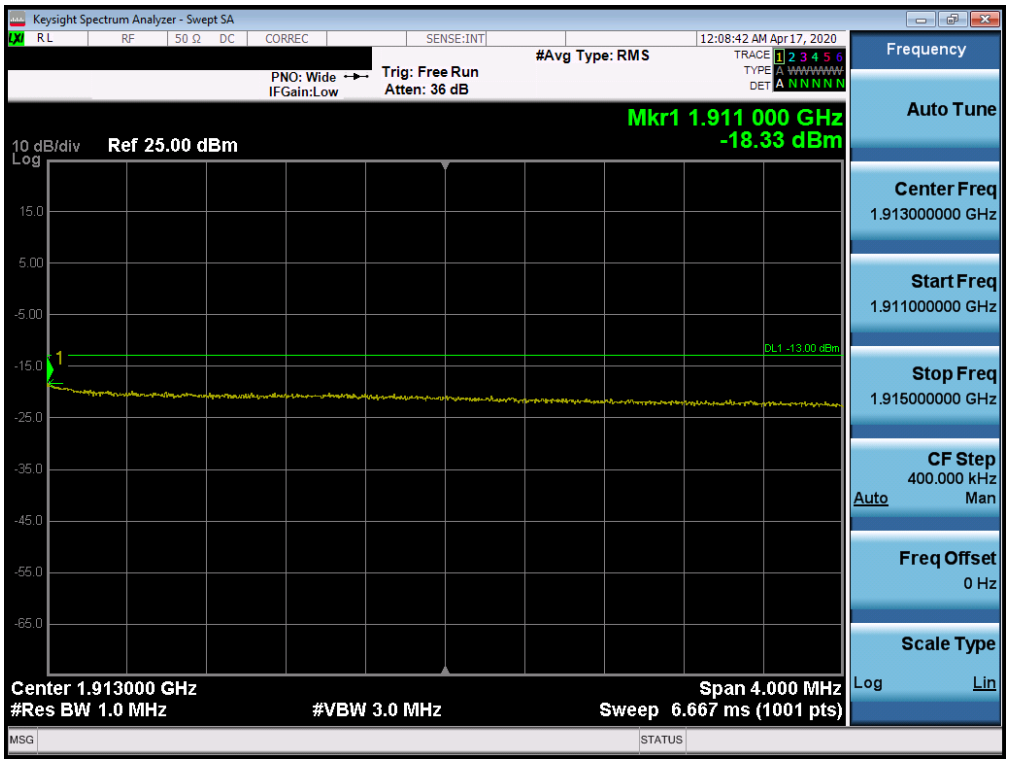
Plot 7-519. Upper Band Edge Plot (n2 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-520. Upper Extended Band Edge Plot (n2- 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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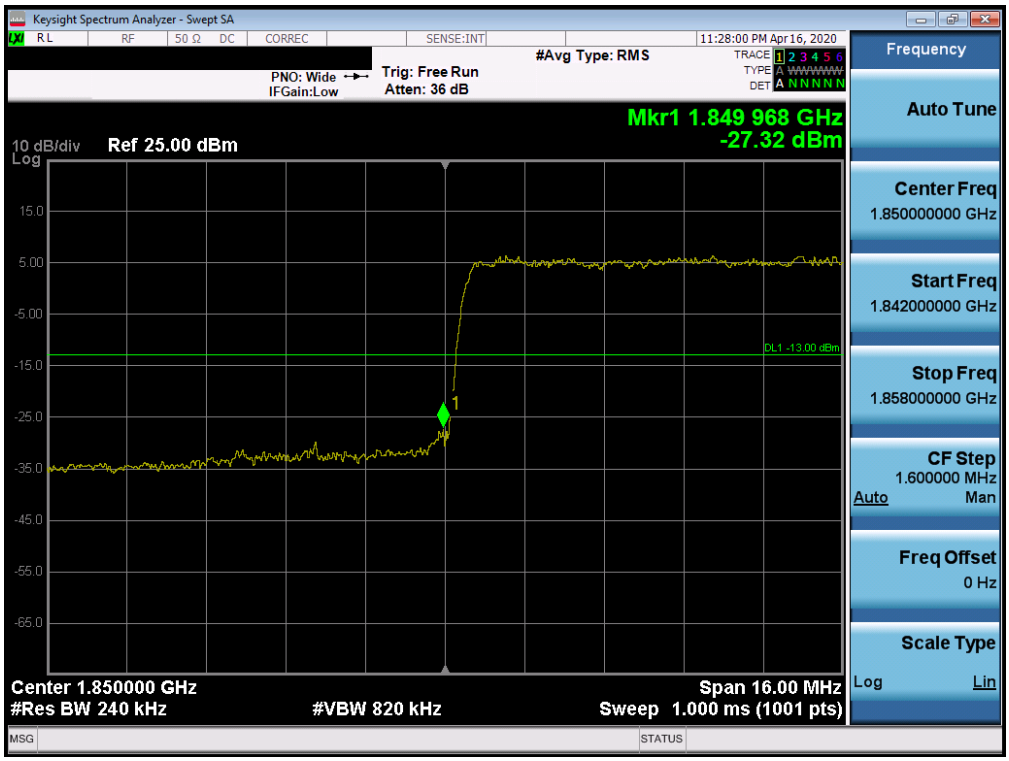
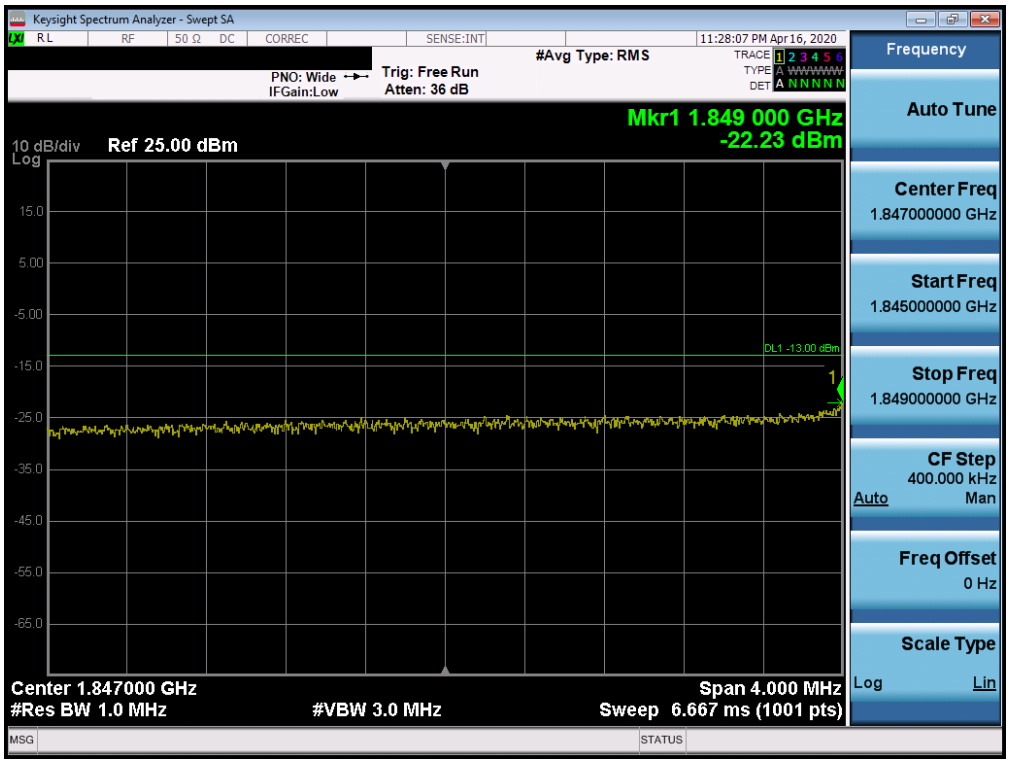


Plot 7-521. Lower Band Edge Plot (n2 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-522. Lower Extended Band Edge Plot (n2 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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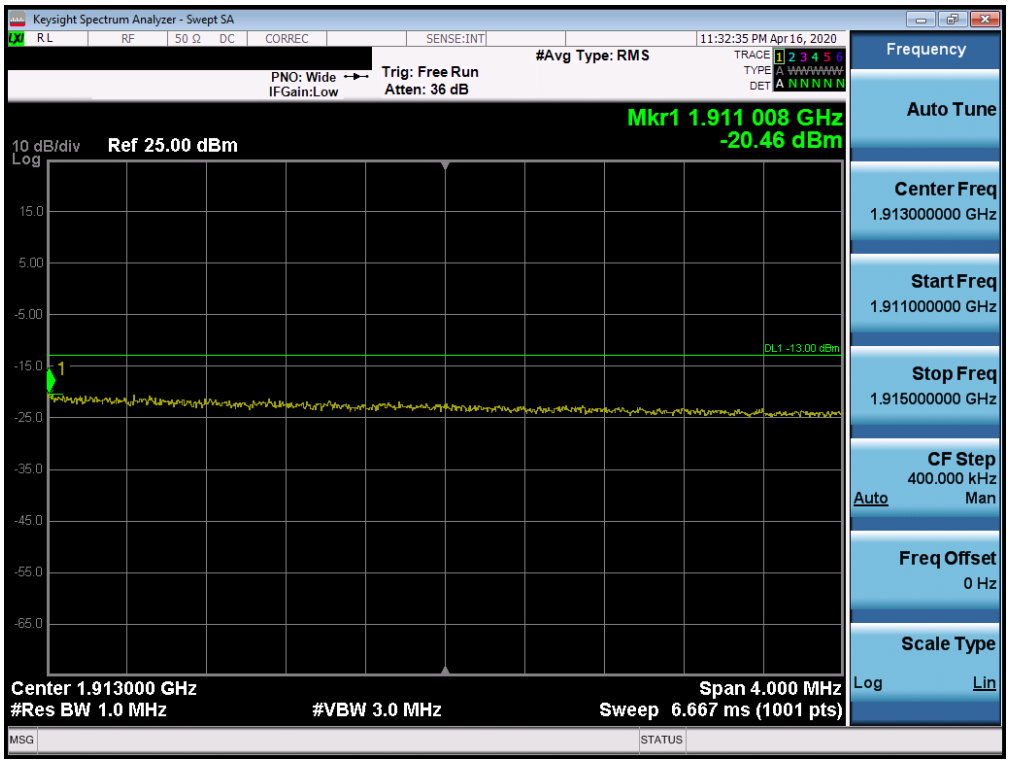
Plot 7-523. Upper Band Edge Plot (n2 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-524. Upper Extended Band Edge Plot (n2 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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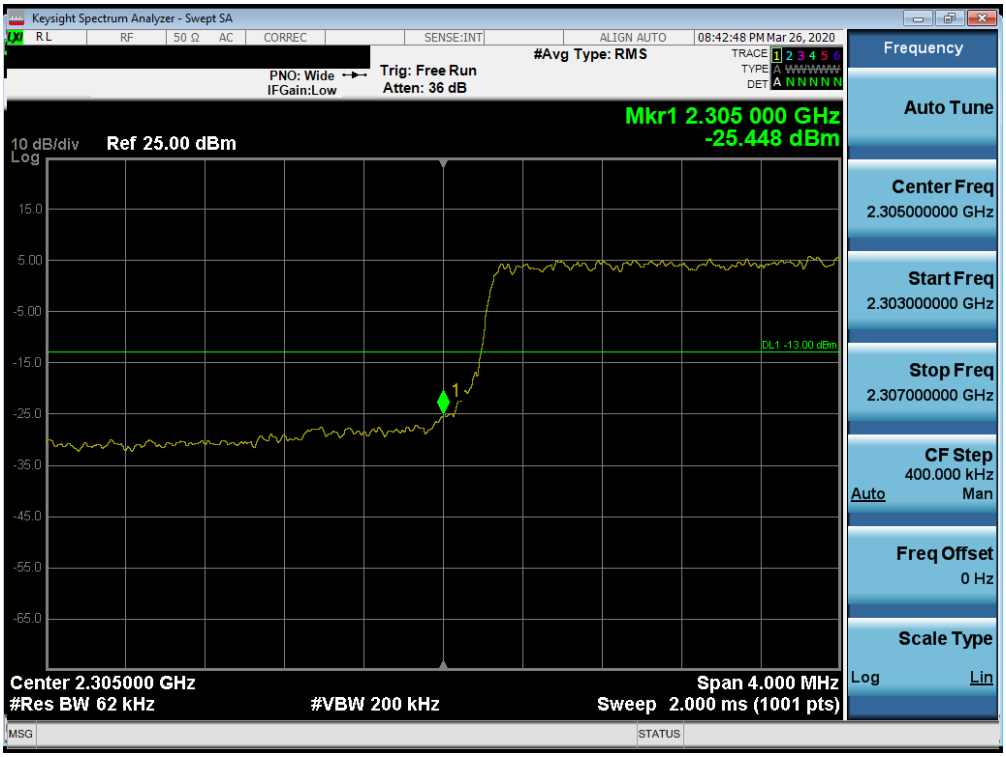
Band 30



Plot 7-525. Lower Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

Plot 7-526. Lower Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

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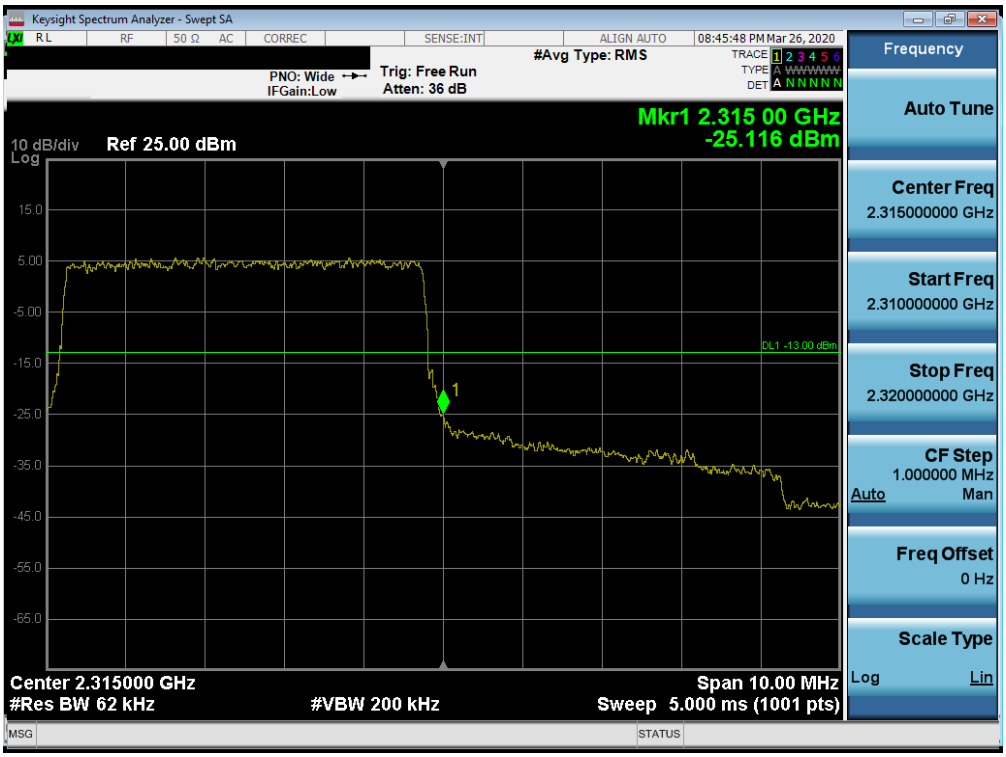
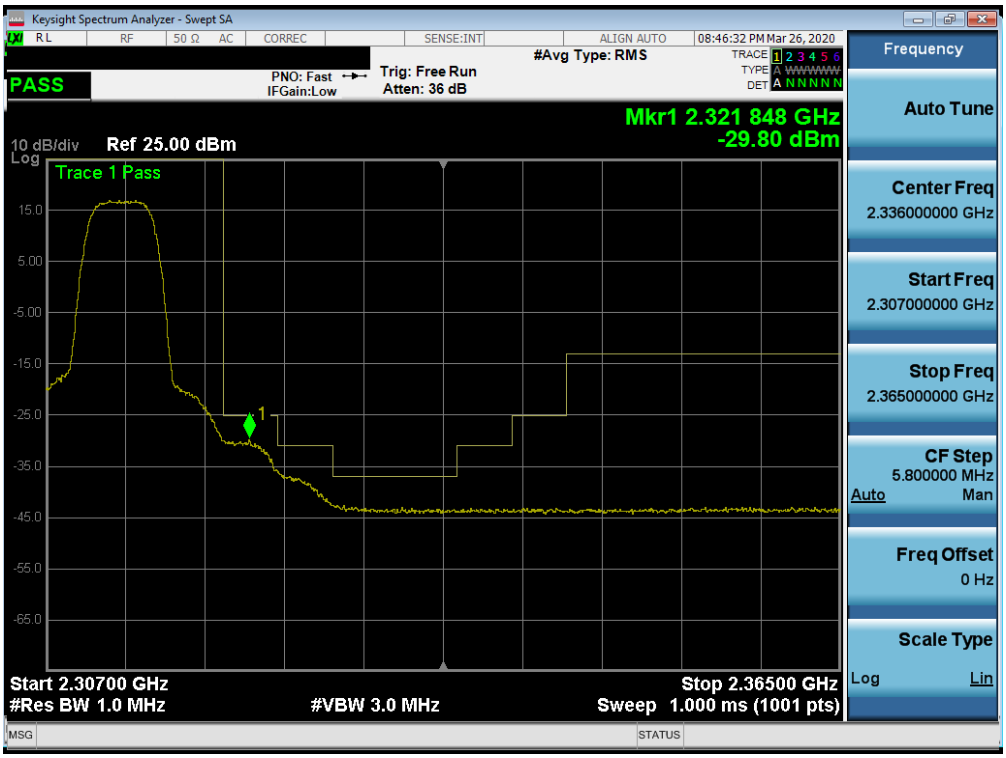


Plot 7-527. Upper Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-528. Upper Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

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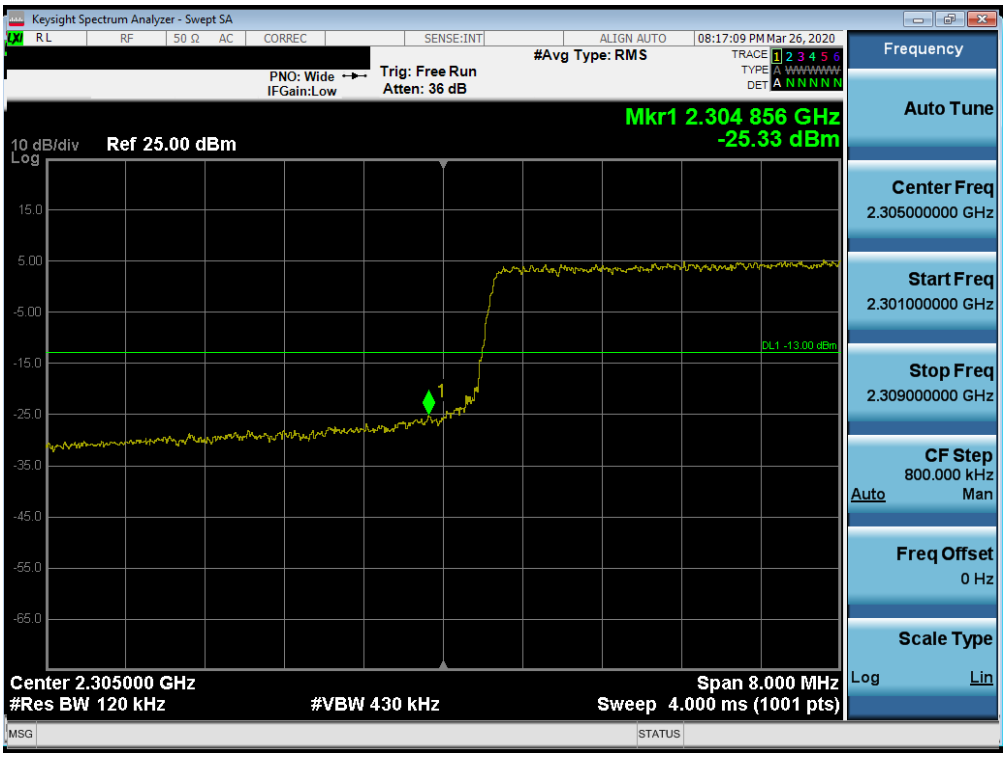

Plot 7-529. Lower Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

Plot 7-530. Lower Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

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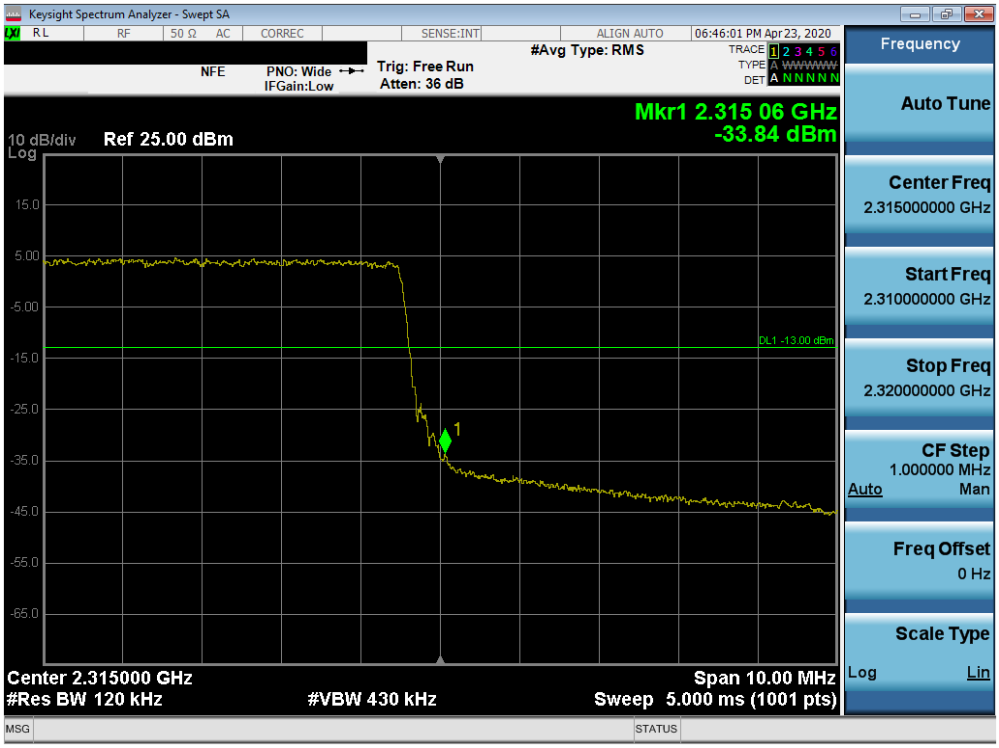
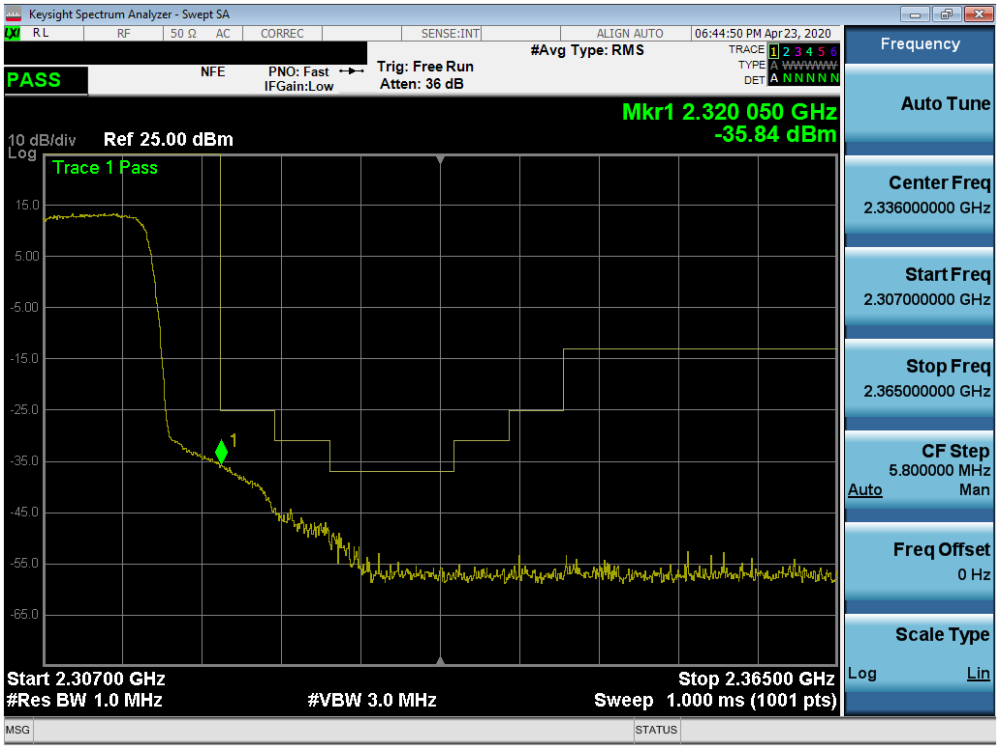


Plot 7-531. Upper Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-532. Upper Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

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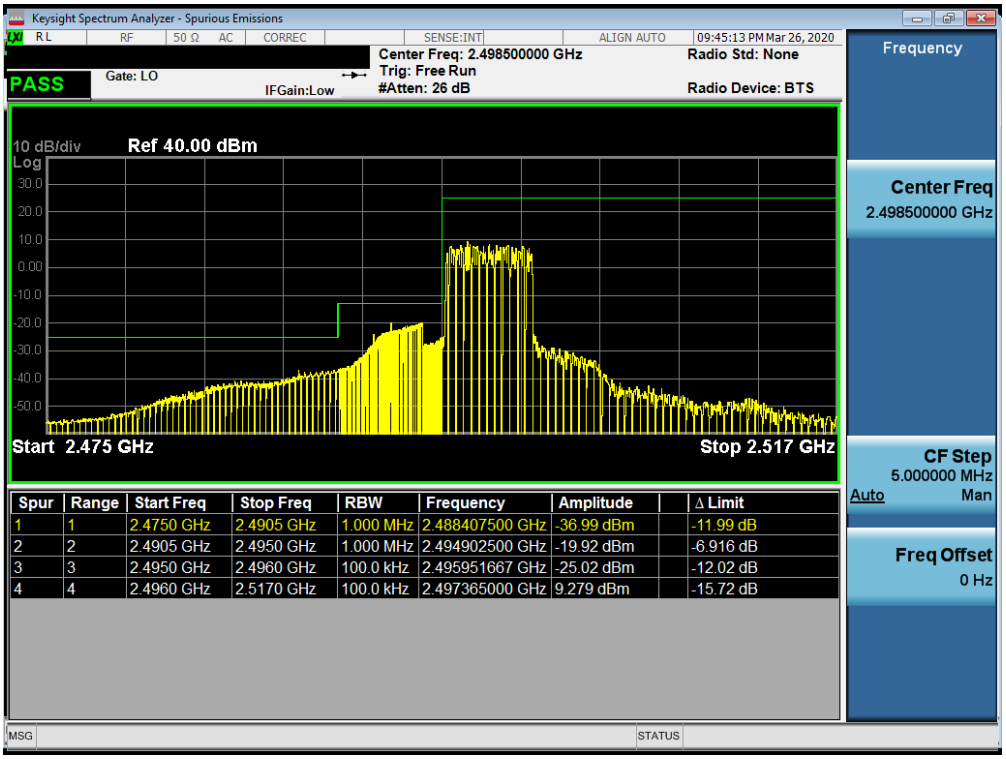
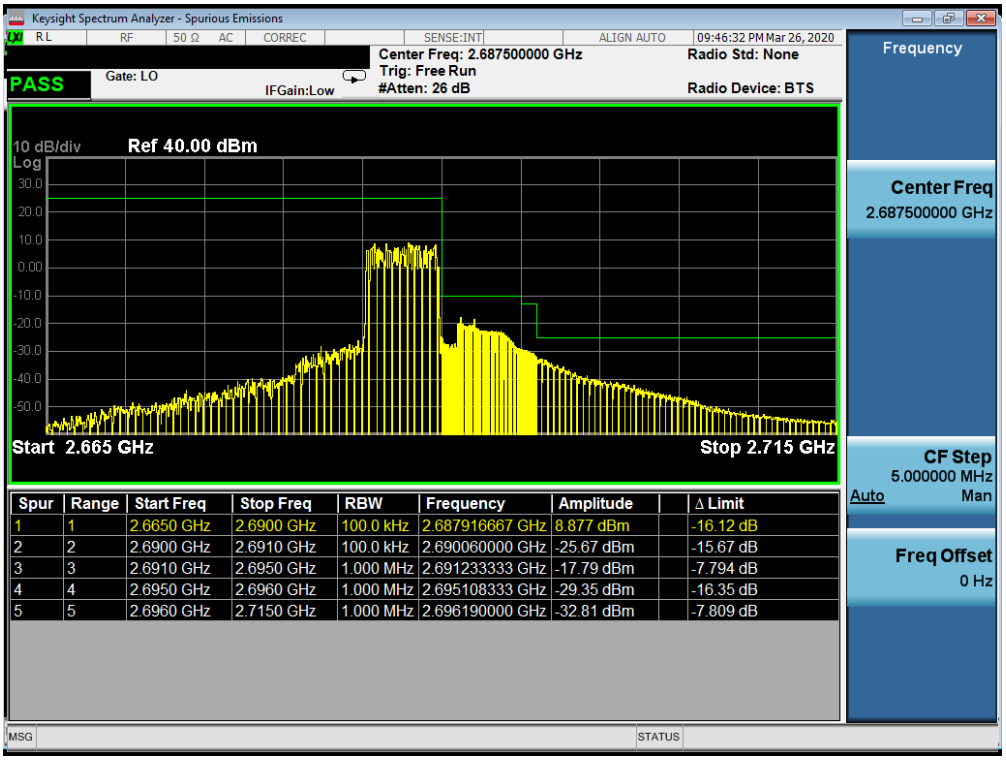
Band 41 PC2



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.488407500 GHz	-36.99 dBm	-11.99 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494902500 GHz	-19.92 dBm	-6.916 dB
3	3	2.4950 GHz	2.4960 GHz	100.0 kHz	2.495951667 GHz	-25.02 dBm	-12.02 dB
4	4	2.4960 GHz	2.5170 GHz	100.0 kHz	2.497365000 GHz	9.279 dBm	-15.72 dB

Plot 7-533. Lower ACP Plot at 2496 MHz (Band 41 PC2- 5.0MHz QPSK - Full RB Configuration)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	100.0 kHz	2.687916667 GHz	8.877 dBm	-16.12 dB
2	2	2.6900 GHz	2.6910 GHz	100.0 kHz	2.690060000 GHz	-25.67 dBm	-15.67 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691233333 GHz	-17.79 dBm	-7.794 dB
4	4	2.6950 GHz	2.6960 GHz	1.000 MHz	2.695108333 GHz	-29.35 dBm	-16.35 dB
5	5	2.6960 GHz	2.7150 GHz	1.000 MHz	2.696190000 GHz	-32.81 dBm	-7.809 dB

Plot 7-534. Upper ACP Plot (Band 41 PC2- 5.0MHz QPSK - Full RB Configuration)

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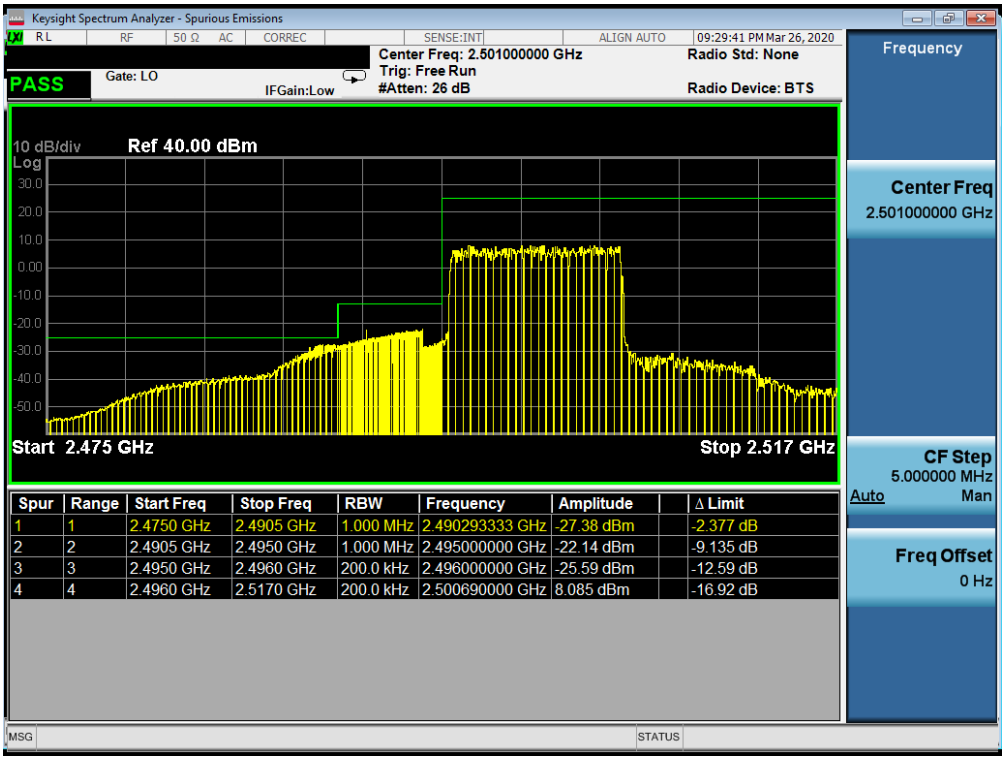
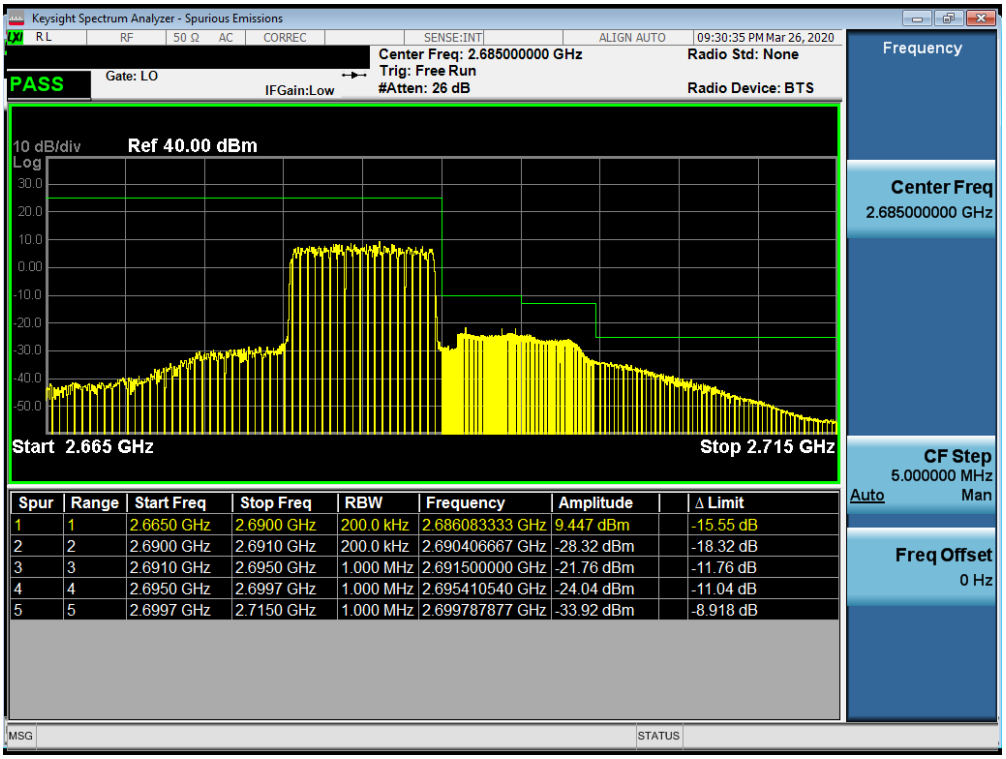


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490293333 GHz	-27.38 dBm	-2.377 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.495000000 GHz	-22.14 dBm	-9.135 dB
3	3	2.4950 GHz	2.4960 GHz	200.0 kHz	2.496000000 GHz	-25.59 dBm	-12.59 dB
4	4	2.4960 GHz	2.5170 GHz	200.0 kHz	2.500690000 GHz	8.085 dBm	-16.92 dB

Plot 7-535. Lower ACP Plot at 2496 MHz (Band 41 PC2- 10.0MHz QPSK - Full RB Configuration)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	200.0 kHz	2.686083333 GHz	9.447 dBm	-15.55 dB
2	2	2.6900 GHz	2.6910 GHz	200.0 kHz	2.690406667 GHz	-28.32 dBm	-18.32 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691500000 GHz	-21.76 dBm	-11.76 dB
4	4	2.6950 GHz	2.6997 GHz	1.000 MHz	2.695410540 GHz	-24.04 dBm	-11.04 dB
5	5	2.6997 GHz	2.7150 GHz	1.000 MHz	2.699787877 GHz	-33.92 dBm	-8.918 dB

Plot 7-536. Upper ACP Plot (Band 41 PC2- 10.0MHz QPSK - Full RB Configuration)

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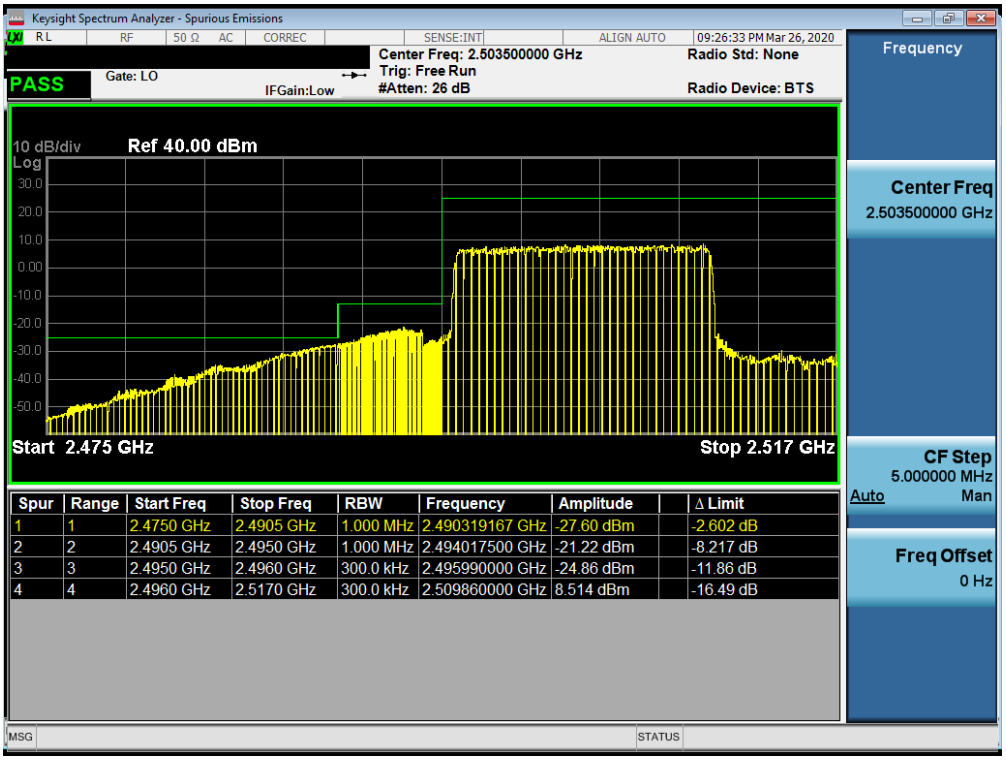
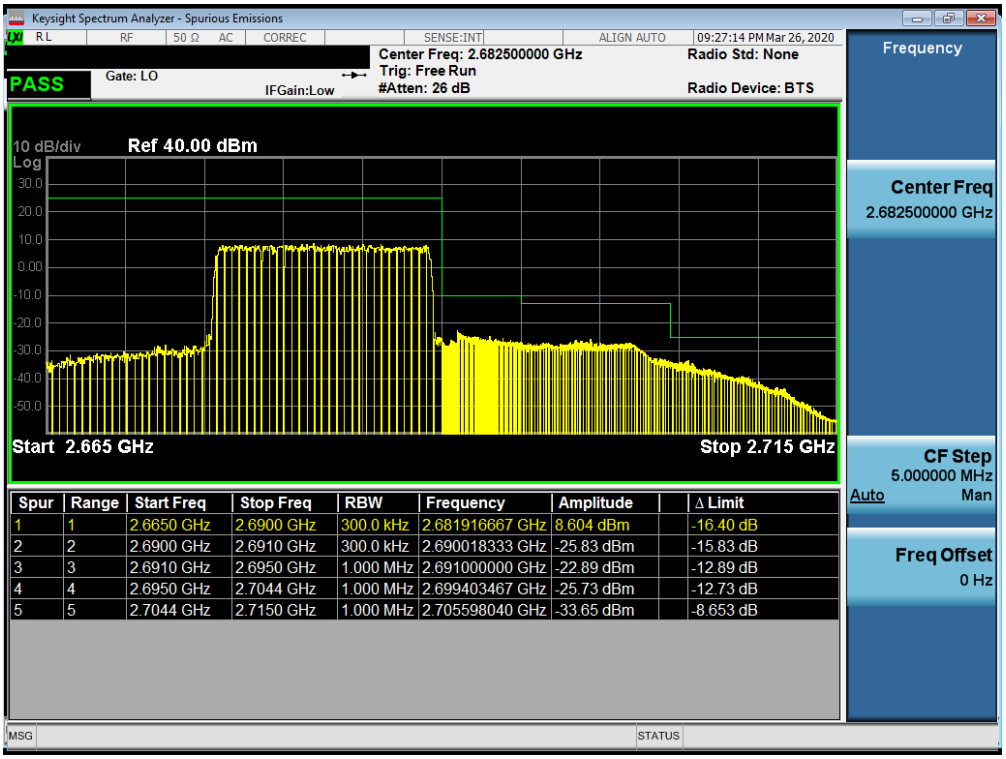


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490319167 GHz	-27.60 dBm	-2.602 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494017500 GHz	-21.22 dBm	-8.217 dB
3	3	2.4950 GHz	2.4960 GHz	300.0 kHz	2.495990000 GHz	-24.86 dBm	-11.86 dB
4	4	2.4960 GHz	2.5170 GHz	300.0 kHz	2.509860000 GHz	8.514 dBm	-16.49 dB

Plot 7-537. Lower ACP Plot at 2496 MHz (Band 41 PC2- 15.0MHz QPSK - Full RB Configuration)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	300.0 kHz	2.681916667 GHz	8.604 dBm	-16.40 dB
2	2	2.6900 GHz	2.6910 GHz	300.0 kHz	2.690018333 GHz	-25.83 dBm	-15.83 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691000000 GHz	-22.89 dBm	-12.89 dB
4	4	2.6950 GHz	2.7044 GHz	1.000 MHz	2.699403467 GHz	-25.73 dBm	-12.73 dB
5	5	2.7044 GHz	2.7150 GHz	1.000 MHz	2.705598040 GHz	-33.65 dBm	-8.653 dB

Plot 7-538. Upper ACP Plot (Band 41 PC2- 15.0MHz QPSK - Full RB Configuration)

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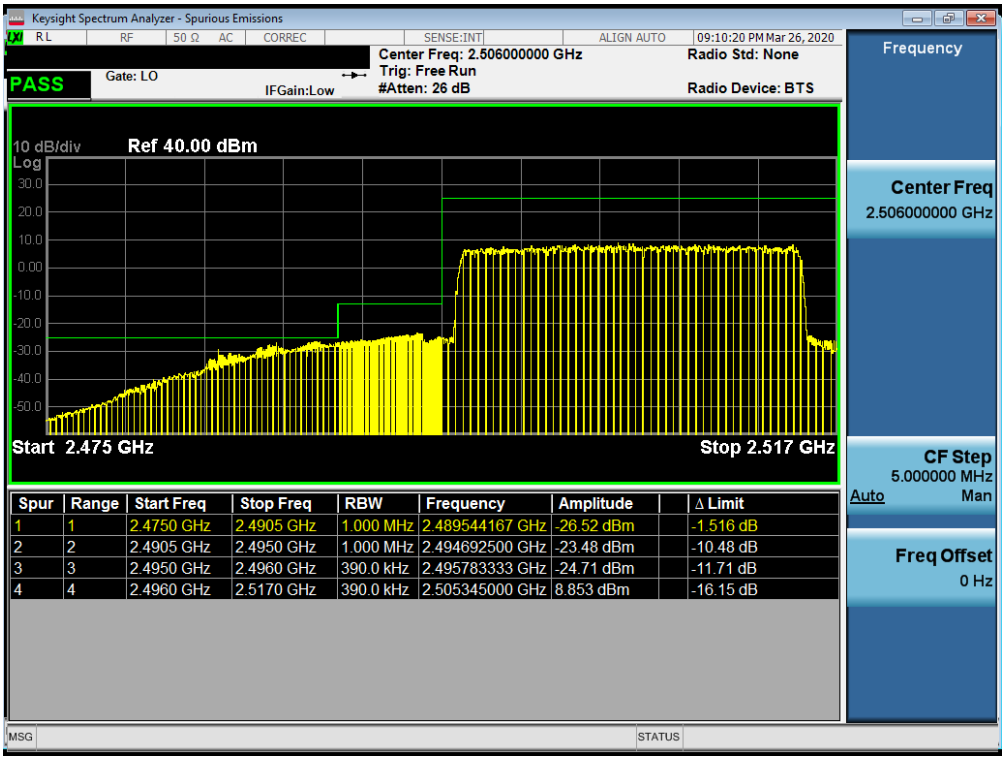
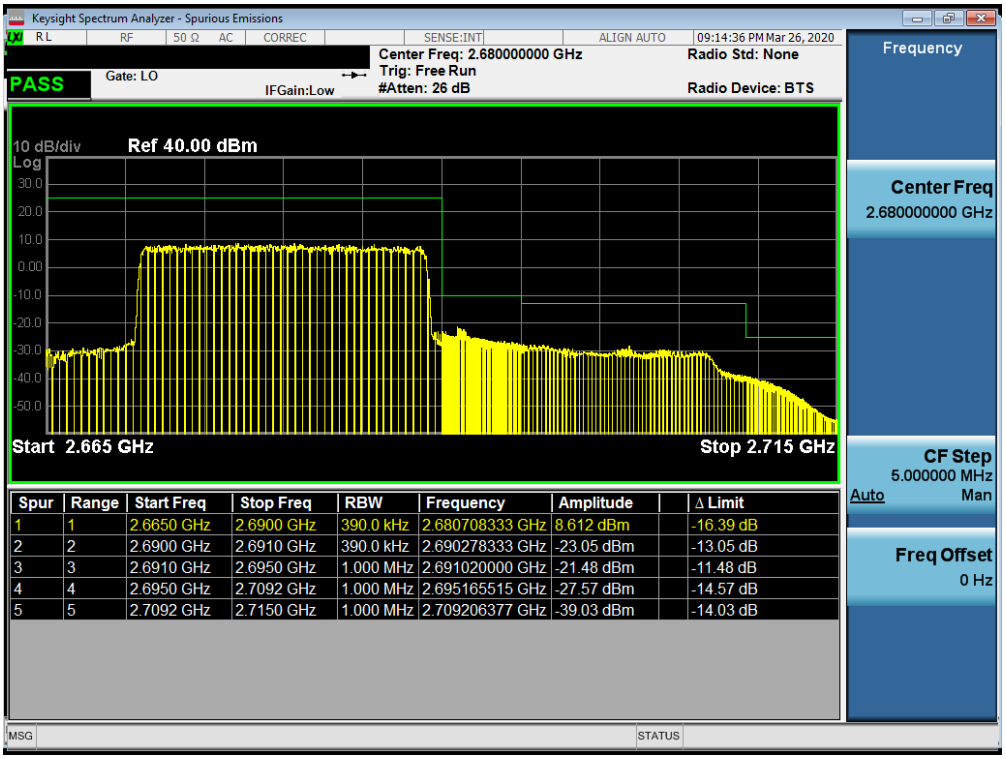


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.489544167 GHz	-26.52 dBm	-1.516 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494692500 GHz	-23.48 dBm	-10.48 dB
3	3	2.4950 GHz	2.4960 GHz	390.0 kHz	2.495783333 GHz	-24.71 dBm	-11.71 dB
4	4	2.4960 GHz	2.5170 GHz	390.0 kHz	2.505345000 GHz	8.853 dBm	-16.15 dB

Plot 7-539. Lower ACP Plot at 2496 MHz (Band 41 PC2 - 20.0MHz QPSK - Full RB Configuration)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	390.0 kHz	2.680708333 GHz	8.612 dBm	-16.39 dB
2	2	2.6900 GHz	2.6910 GHz	390.0 kHz	2.690278333 GHz	-23.05 dBm	-13.05 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691020000 GHz	-21.48 dBm	-11.48 dB
4	4	2.6950 GHz	2.7092 GHz	1.000 MHz	2.695165515 GHz	-27.57 dBm	-14.57 dB
5	5	2.7092 GHz	2.7150 GHz	1.000 MHz	2.709206377 GHz	-39.03 dBm	-14.03 dB

Plot 7-540. Upper ACP Plot (Band 41 PC2 - 20.0MHz QPSK - Full RB Configuration)

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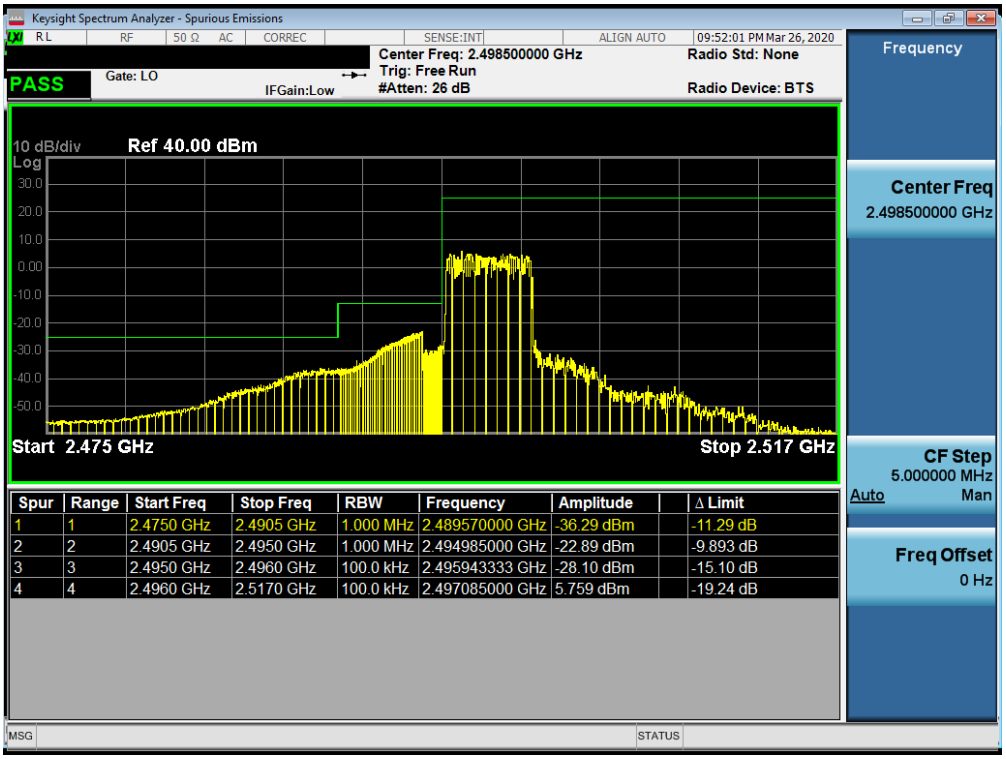
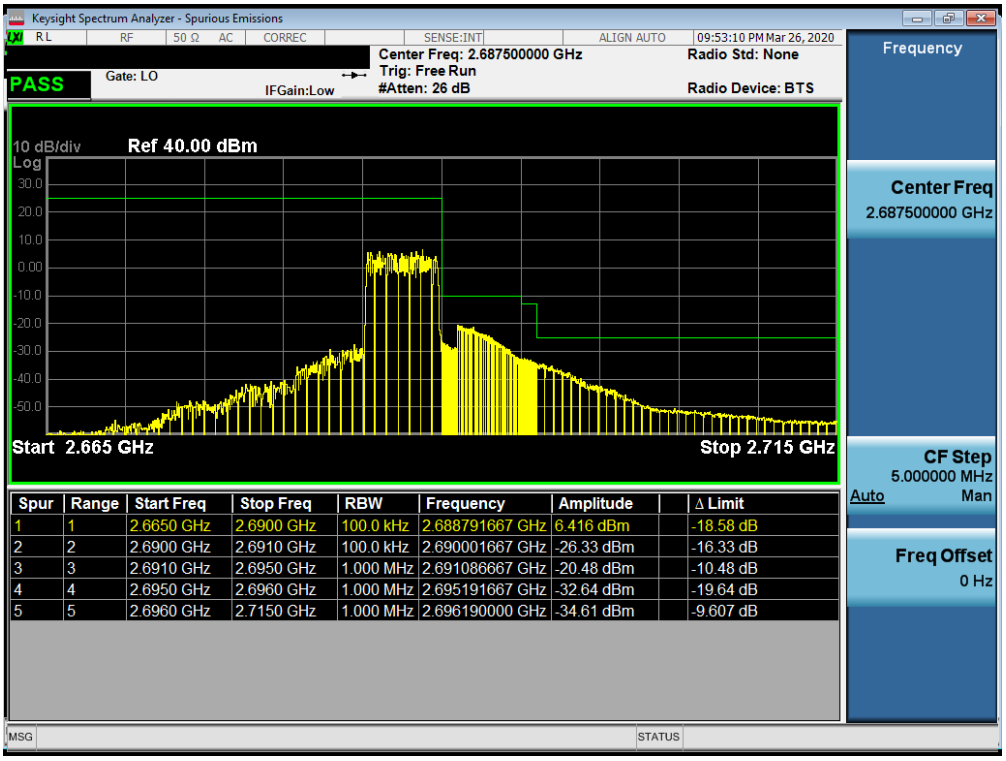
Band 41 PC3



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.489570000 GHz	-36.29 dBm	-11.29 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494985000 GHz	-22.89 dBm	-9.893 dB
3	3	2.4950 GHz	2.4960 GHz	100.0 kHz	2.495943333 GHz	-28.10 dBm	-15.10 dB
4	4	2.4960 GHz	2.5170 GHz	100.0 kHz	2.497085000 GHz	5.759 dBm	-19.24 dB

Plot 7-541. Lower ACP Plot at 2496 MHz (Band 41 PC3 - 5.0MHz QPSK - Full RB Configuration)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	100.0 kHz	2.688791667 GHz	6.416 dBm	-18.58 dB
2	2	2.6900 GHz	2.6910 GHz	100.0 kHz	2.690001667 GHz	-26.33 dBm	-16.33 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691086667 GHz	-20.48 dBm	-10.48 dB
4	4	2.6950 GHz	2.6960 GHz	1.000 MHz	2.695191667 GHz	-32.64 dBm	-19.64 dB
5	5	2.6960 GHz	2.7150 GHz	1.000 MHz	2.696190000 GHz	-34.61 dBm	-9.607 dB

Plot 7-542. Upper ACP Plot (Band 41 PC3 - 5.0MHz QPSK - Full RB Configuration)

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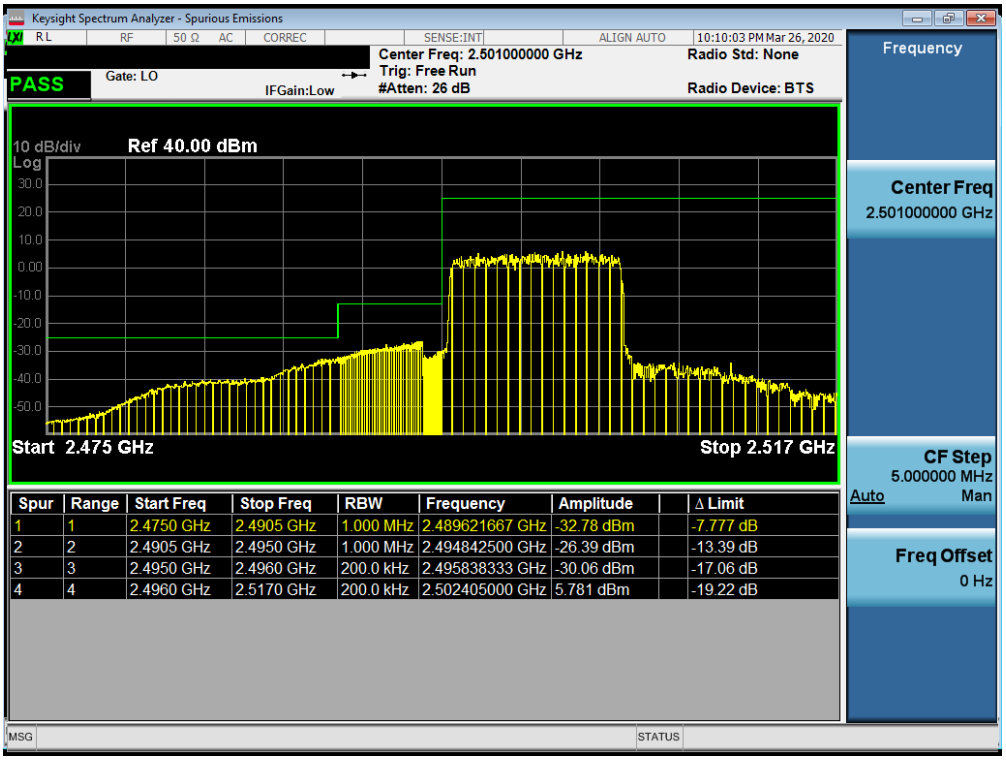
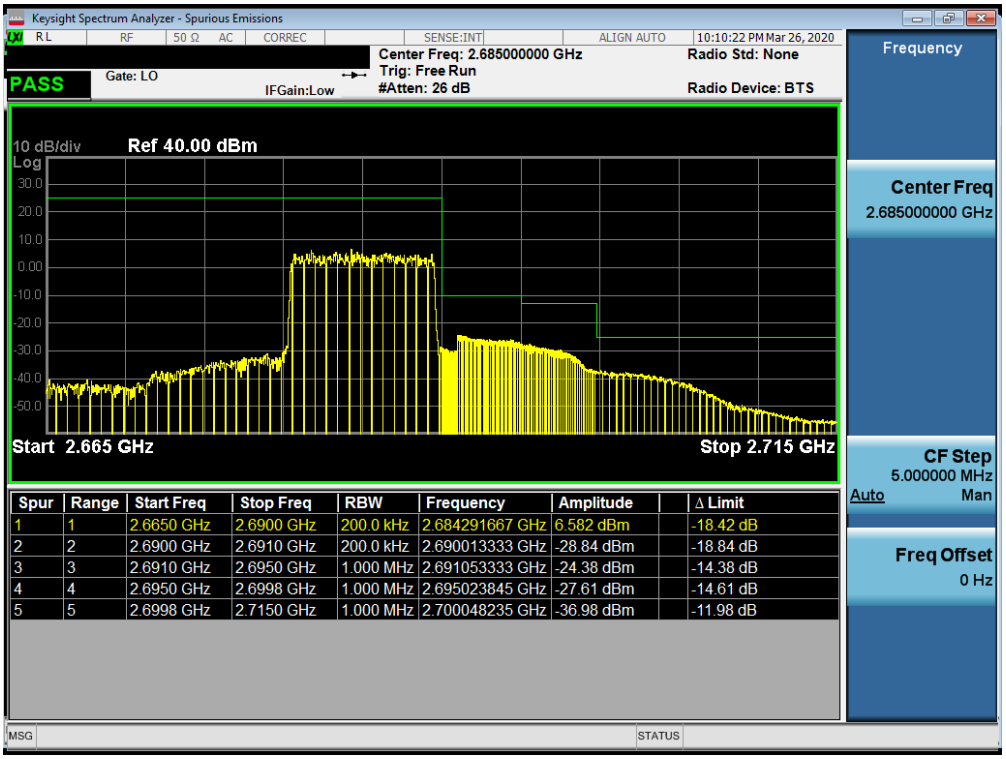


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.489621667 GHz	-32.78 dBm	-7.777 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494842500 GHz	-26.39 dBm	-13.39 dB
3	3	2.4950 GHz	2.4960 GHz	200.0 kHz	2.495838333 GHz	-30.06 dBm	-17.06 dB
4	4	2.4960 GHz	2.5170 GHz	200.0 kHz	2.502405000 GHz	5.781 dBm	-19.22 dB

Plot 7-543. Lower ACP Plot at 2496 MHz (Band 41 PC3 - 10.0MHz QPSK - Full RB Configuration)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	200.0 kHz	2.684291667 GHz	6.582 dBm	-18.42 dB
2	2	2.6900 GHz	2.6910 GHz	200.0 kHz	2.690013333 GHz	-28.84 dBm	-18.84 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691053333 GHz	-24.38 dBm	-14.38 dB
4	4	2.6950 GHz	2.6998 GHz	1.000 MHz	2.695023845 GHz	-27.61 dBm	-14.61 dB
5	5	2.6998 GHz	2.7150 GHz	1.000 MHz	2.700048235 GHz	-36.98 dBm	-11.98 dB

Plot 7-544. Upper ACP Plot (Band 41 PC3 - 10.0MHz QPSK - Full RB Configuration)

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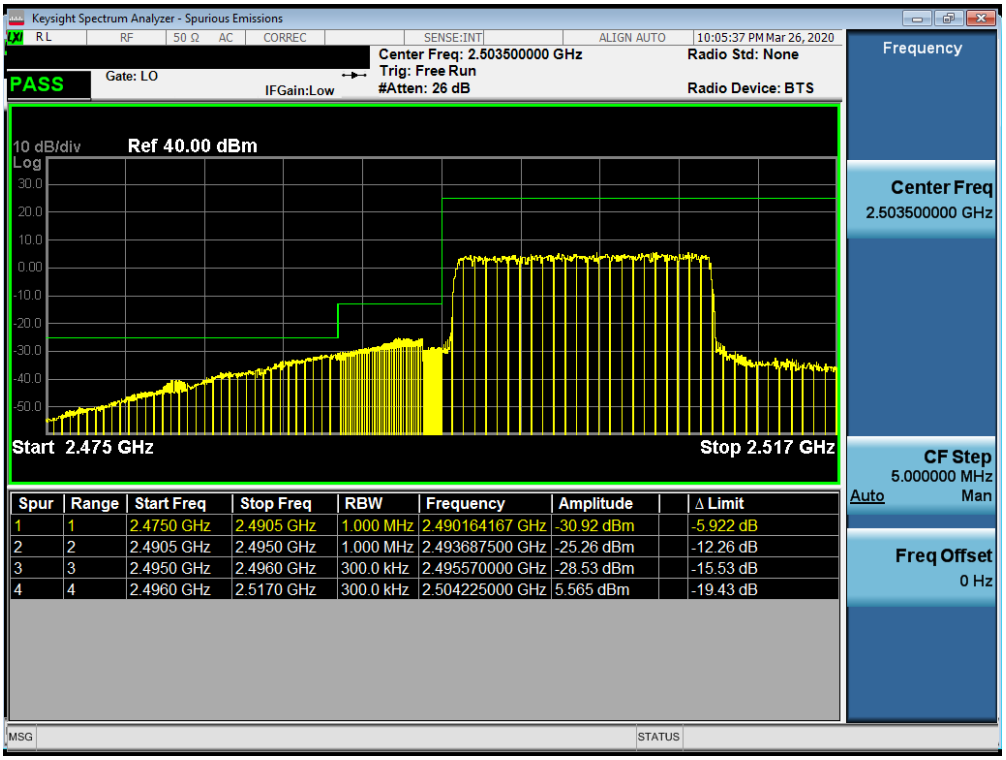
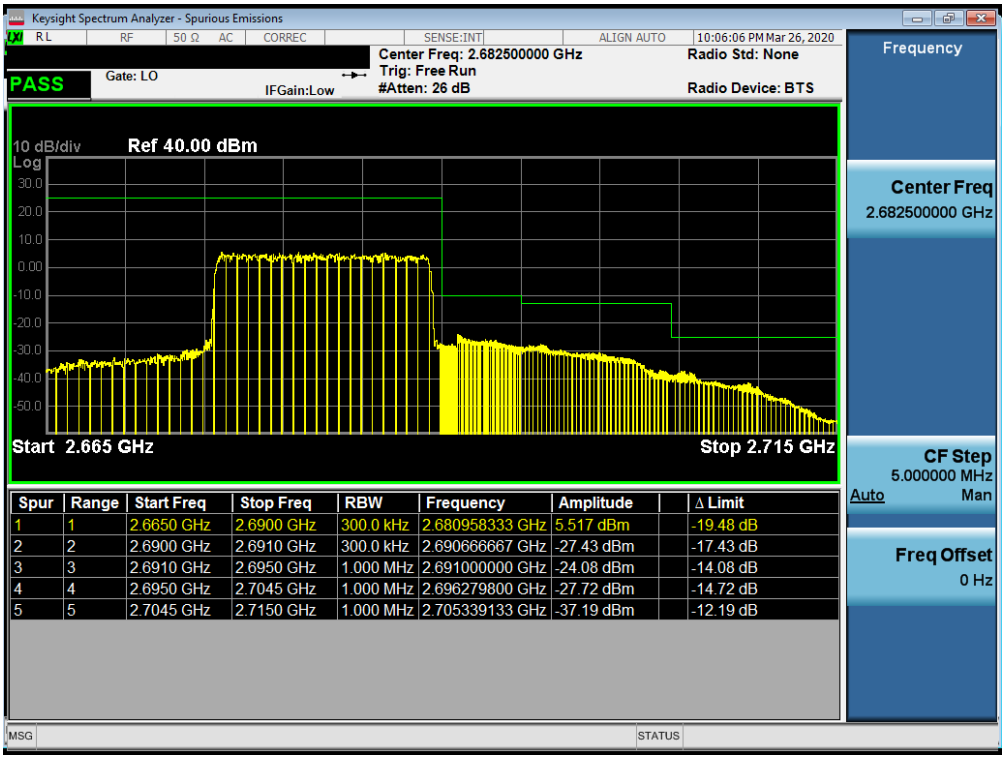


Plot 7-545. Lower ACP Plot at 2496 MHz (Band 41 PC3 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-546. Upper ACP Plot (Band 41 PC3 - 15.0MHz QPSK - Full RB Configuration)

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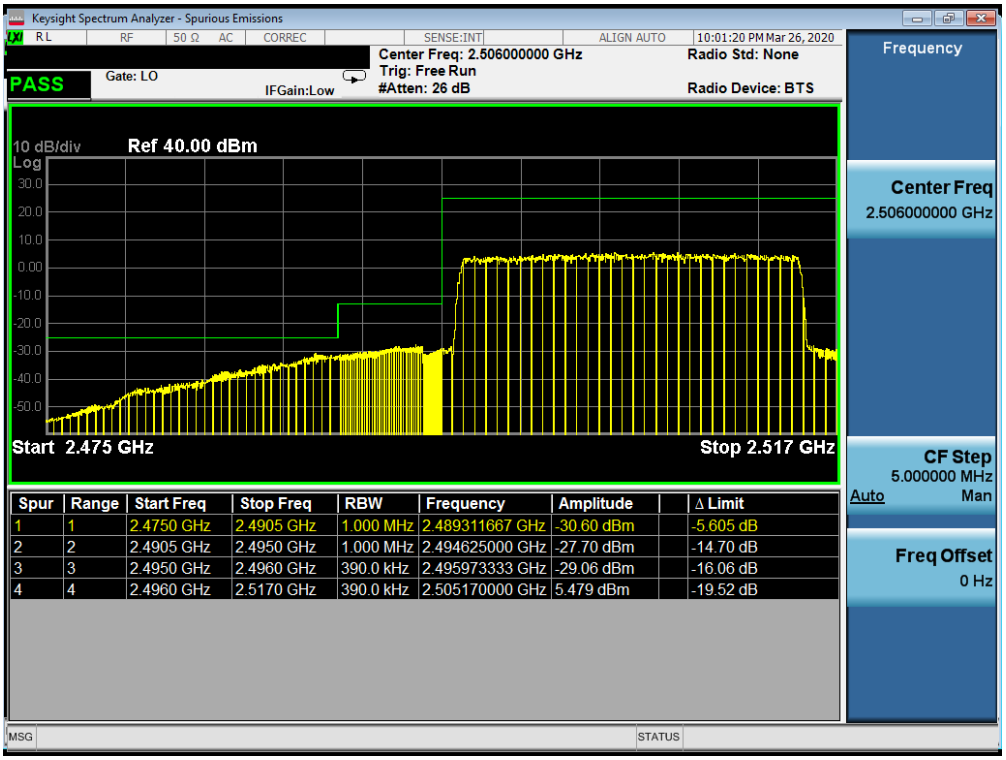
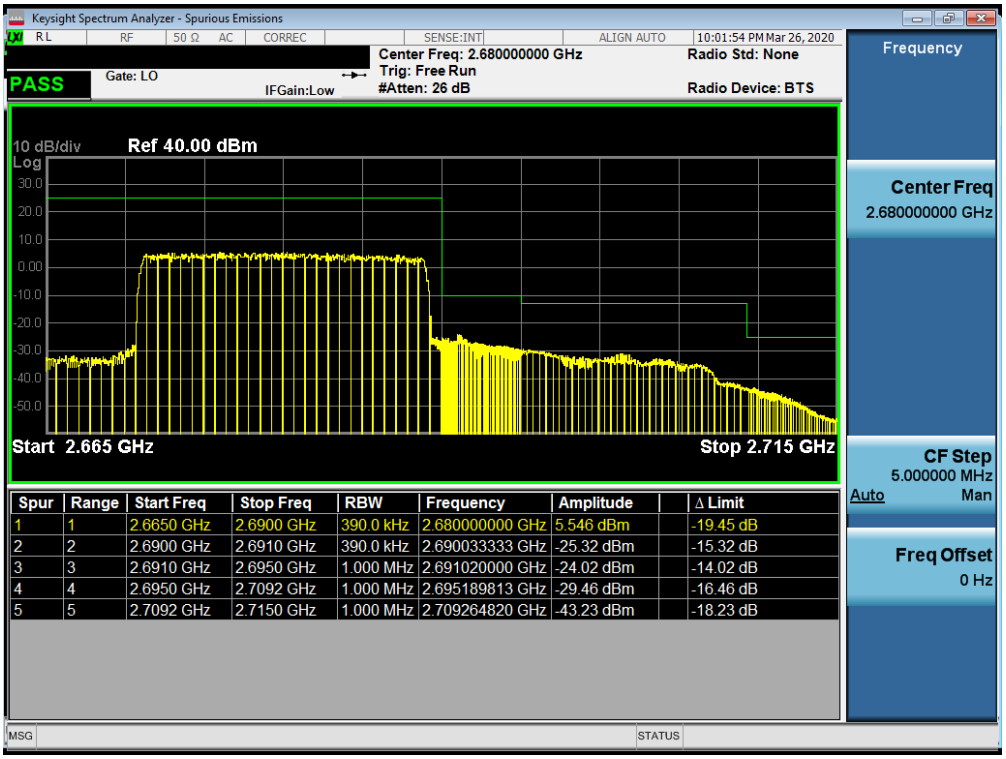


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.489311667 GHz	-30.60 dBm	-5.605 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494625000 GHz	-27.70 dBm	-14.70 dB
3	3	2.4950 GHz	2.4960 GHz	390.0 kHz	2.495973333 GHz	-29.06 dBm	-16.06 dB
4	4	2.4960 GHz	2.5170 GHz	390.0 kHz	2.505170000 GHz	5.479 dBm	-19.52 dB

Plot 7-547. Lower ACP Plot at 2496 MHz (Band 41 PC3 - 20.0MHz QPSK - Full RB Configuration)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	390.0 kHz	2.680000000 GHz	5.546 dBm	-19.45 dB
2	2	2.6900 GHz	2.6910 GHz	390.0 kHz	2.690033333 GHz	-25.32 dBm	-15.32 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691020000 GHz	-24.02 dBm	-14.02 dB
4	4	2.6950 GHz	2.7092 GHz	1.000 MHz	2.695189813 GHz	-29.46 dBm	-16.46 dB
5	5	2.7092 GHz	2.7150 GHz	1.000 MHz	2.709264820 GHz	-43.23 dBm	-18.23 dB

Plot 7-548. Upper ACP Plot (Band 41 PC3 - 20.0MHz QPSK - Full RB Configuration)

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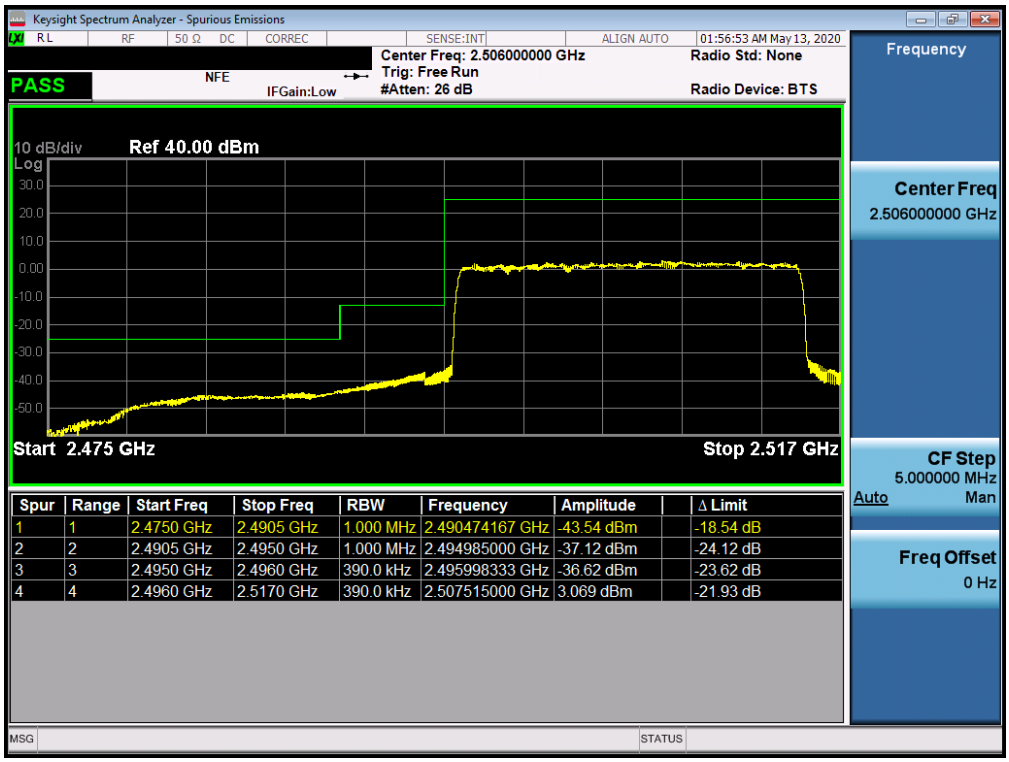
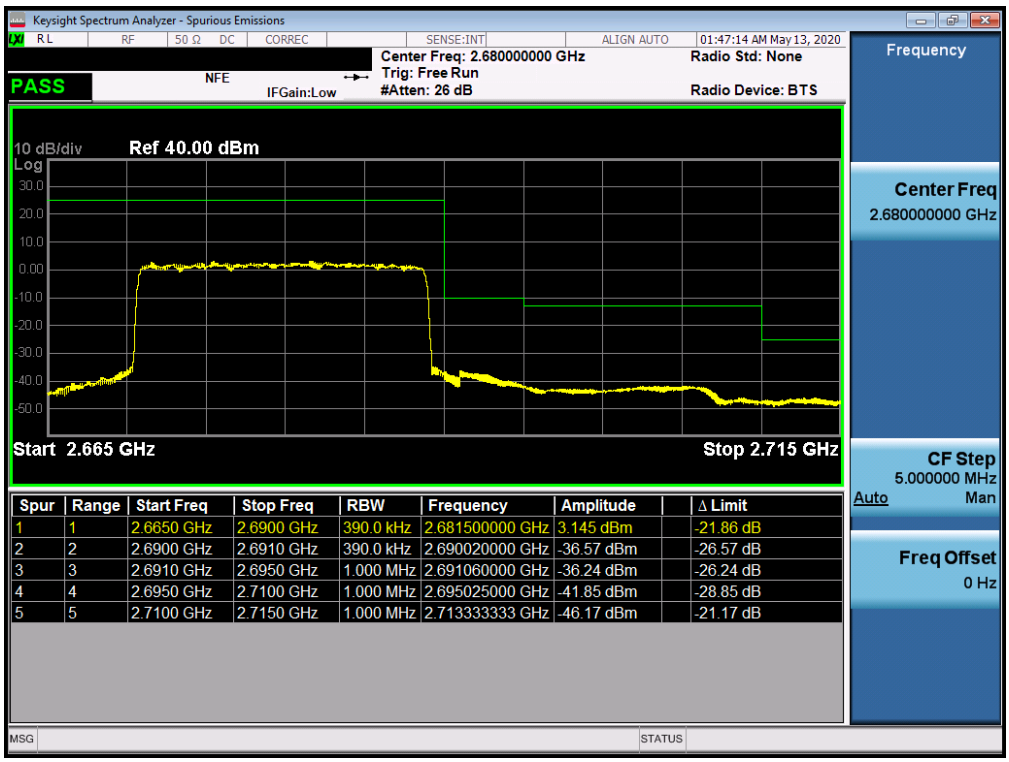
NR Band n41



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490474167 GHz	-43.54 dBm	-18.54 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494985000 GHz	-37.12 dBm	-24.12 dB
3	3	2.4950 GHz	2.4960 GHz	390.0 kHz	2.495998333 GHz	-36.62 dBm	-23.62 dB
4	4	2.4960 GHz	2.5170 GHz	390.0 kHz	2.507515000 GHz	3.069 dBm	-21.93 dB

Plot 7-549. Lower ACP Plot at 2496 MHz (n41 - 20.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	390.0 kHz	2.681500000 GHz	3.145 dBm	-21.86 dB
2	2	2.6900 GHz	2.6910 GHz	390.0 kHz	2.690020000 GHz	-36.57 dBm	-26.57 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691060000 GHz	-36.24 dBm	-26.24 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.695025000 GHz	-41.85 dBm	-28.85 dB
5	5	2.7100 GHz	2.7150 GHz	1.000 MHz	2.713333333 GHz	-46.17 dBm	-21.17 dB

Plot 7-550. Upper ACP Plot (Band 41 - 20.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490370833 GHz	-41.82 dBm	-16.82 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494962500 GHz	-38.80 dBm	-25.80 dB
3	3	2.4950 GHz	2.4960 GHz	820.0 kHz	2.495948333 GHz	-37.69 dBm	-24.69 dB
4	4	2.4960 GHz	2.5370 GHz	820.0 kHz	2.530576667 GHz	2.803 dBm	-22.20 dB

Plot 7-551. Lower ACP Plot at 2496 MHz (n41 - 40.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6480 GHz	2.6900 GHz	820.0 kHz	2.666620000 GHz	2.930 dBm	-22.07 dB
2	2	2.6900 GHz	2.6910 GHz	820.0 kHz	2.690153333 GHz	-38.11 dBm	-28.11 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691040000 GHz	-38.10 dBm	-28.10 dB
4	4	2.6950 GHz	2.7300 GHz	1.000 MHz	2.695058333 GHz	-41.38 dBm	-28.38 dB
5	5	2.7300 GHz	2.7400 GHz	1.000 MHz	2.730033333 GHz	-55.22 dBm	-30.22 dB

Plot 7-552. Upper ACP Plot (Band 41 - 40.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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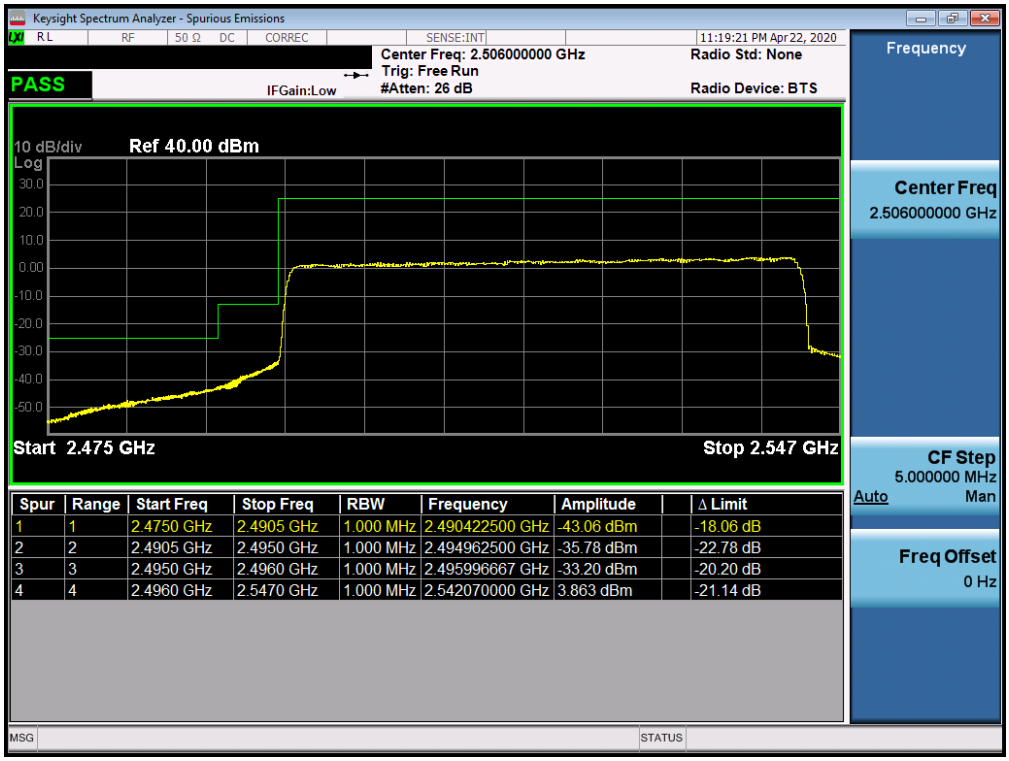

Plot 7-553. Lower ACP Plot at 2496 MHz (n41 - 50.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

Plot 7-554. Upper ACP Plot (Band 41 - 50.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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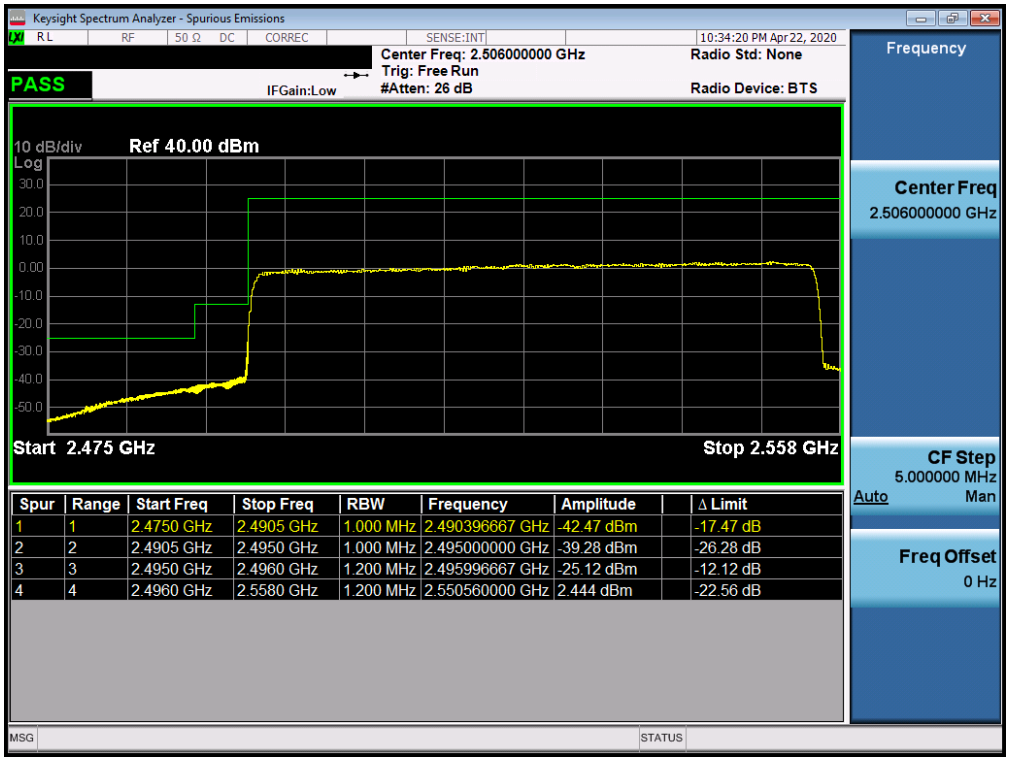

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490396667 GHz	-42.47 dBm	-17.47 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.495000000 GHz	-39.28 dBm	-26.28 dB
3	3	2.4950 GHz	2.4960 GHz	1.200 MHz	2.495996667 GHz	-25.12 dBm	-12.12 dB
4	4	2.4960 GHz	2.5580 GHz	1.200 MHz	2.550560000 GHz	2.444 dBm	-22.56 dB

Plot 7-555. Lower ACP Plot at 2496 MHz (n41 - 60.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6280 GHz	2.6900 GHz	1.000 MHz	2.643396667 GHz	1.555 dBm	-23.44 dB
2	2	2.6900 GHz	2.6910 GHz	1.000 MHz	2.690003333 GHz	-29.35 dBm	-19.35 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691006667 GHz	-33.63 dBm	-23.63 dB
4	4	2.6950 GHz	2.7510 GHz	1.000 MHz	2.696120000 GHz	-35.92 dBm	-22.92 dB
5	5	2.7500 GHz	2.7600 GHz	1.000 MHz	2.751983333 GHz	-56.15 dBm	-31.15 dB

Plot 7-556. Upper ACP Plot (Band 41 - 60.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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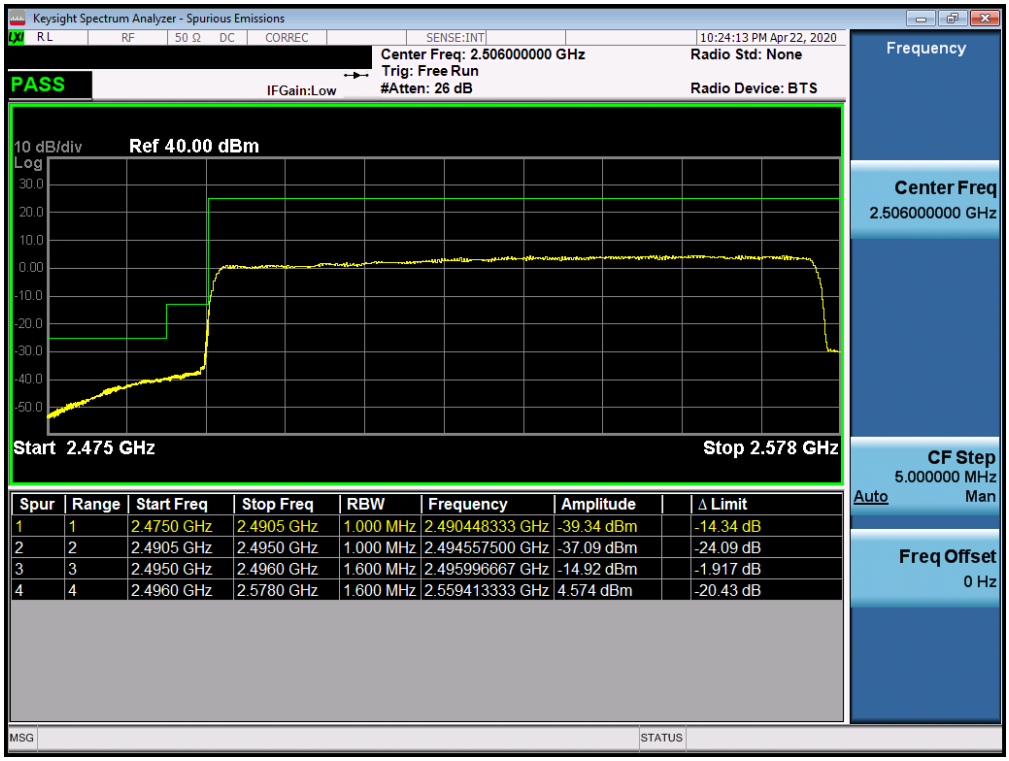

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490448333 GHz	-39.34 dBm	-14.34 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494557500 GHz	-37.09 dBm	-24.09 dB
3	3	2.4950 GHz	2.4960 GHz	1.600 MHz	2.495996667 GHz	-14.92 dBm	-1.917 dB
4	4	2.4960 GHz	2.5780 GHz	1.600 MHz	2.559413333 GHz	4.574 dBm	-20.43 dB

Plot 7-557. Lower ACP Plot at 2496 MHz (n41 - 80.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6080 GHz	2.6900 GHz	1.000 MHz	2.639023333 GHz	0.723 dBm	-24.28 dB
2	2	2.6900 GHz	2.6910 GHz	1.000 MHz	2.690003333 GHz	-32.88 dBm	-22.88 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691693333 GHz	-34.24 dBm	-24.24 dB
4	4	2.6950 GHz	2.7700 GHz	1.000 MHz	2.695375000 GHz	-35.70 dBm	-22.70 dB
5	5	2.7700 GHz	2.7800 GHz	1.000 MHz	2.776366667 GHz	-56.34 dBm	-31.34 dB

Plot 7-558. Upper ACP Plot (Band 41 - 80.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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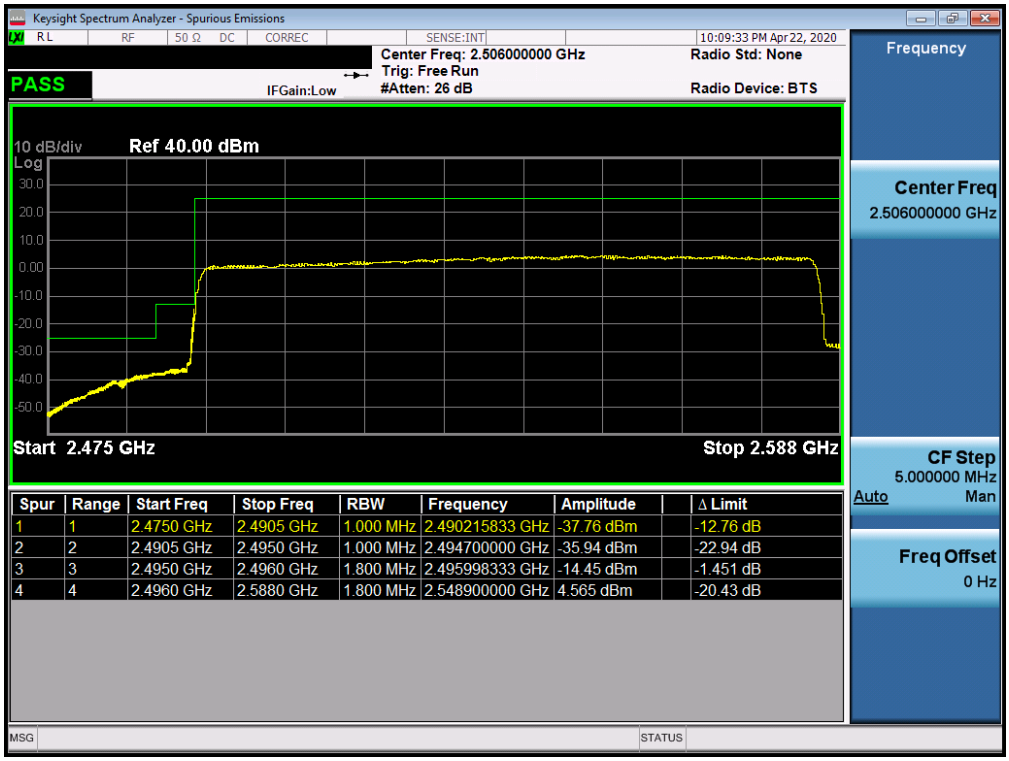

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4905 GHz	1.000 MHz	2.490215833 GHz	-37.76 dBm	-12.76 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494700000 GHz	-35.94 dBm	-22.94 dB
3	3	2.4950 GHz	2.4960 GHz	1.800 MHz	2.495998333 GHz	-14.45 dBm	-1.451 dB
4	4	2.4960 GHz	2.5880 GHz	1.800 MHz	2.548900000 GHz	4.565 dBm	-20.43 dB

Plot 7-559. Lower ACP Plot at 2496 MHz (n41 - 90.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5980 GHz	2.6900 GHz	1.000 MHz	2.644153333 GHz	-0.581 dBm	-25.58 dB
2	2	2.6900 GHz	2.6910 GHz	1.000 MHz	2.690000000 GHz	-30.65 dBm	-20.65 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691673333 GHz	-32.99 dBm	-22.99 dB
4	4	2.6950 GHz	2.7800 GHz	1.000 MHz	2.695000000 GHz	-34.61 dBm	-21.61 dB
5	5	2.7800 GHz	2.7900 GHz	1.000 MHz	2.785733333 GHz	-56.24 dBm	-31.24 dB

Plot 7-560. Upper ACP Plot (Band 41 - 90.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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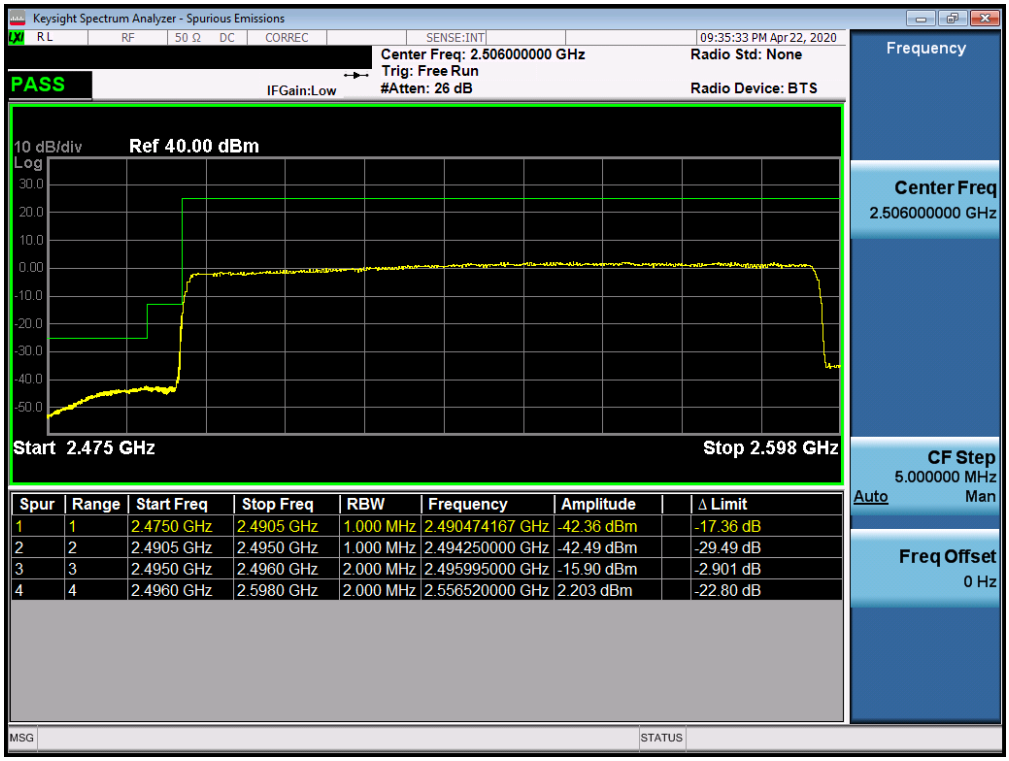

Plot 7-561. Lower ACP Plot at 2496 MHz (n41 - 100.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

Plot 7-562. Upper ACP Plot (Band 41 - 100.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

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7.5 Peak-Average Ratio

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 7-4. Test Instrument & Measurement Setup

Test Notes

None.

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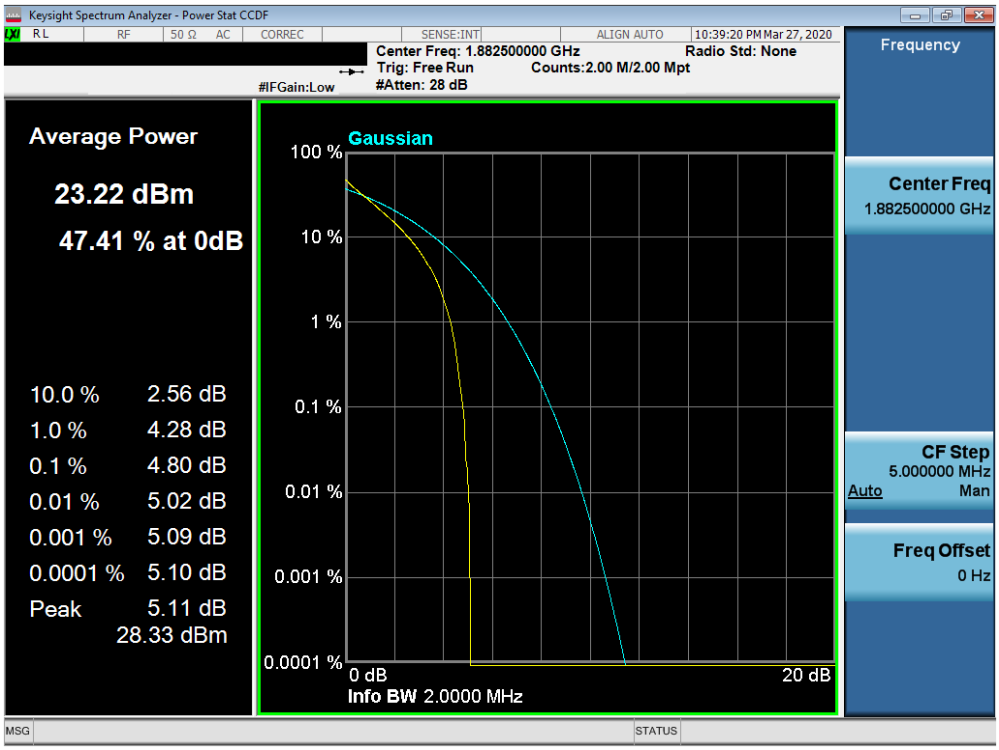
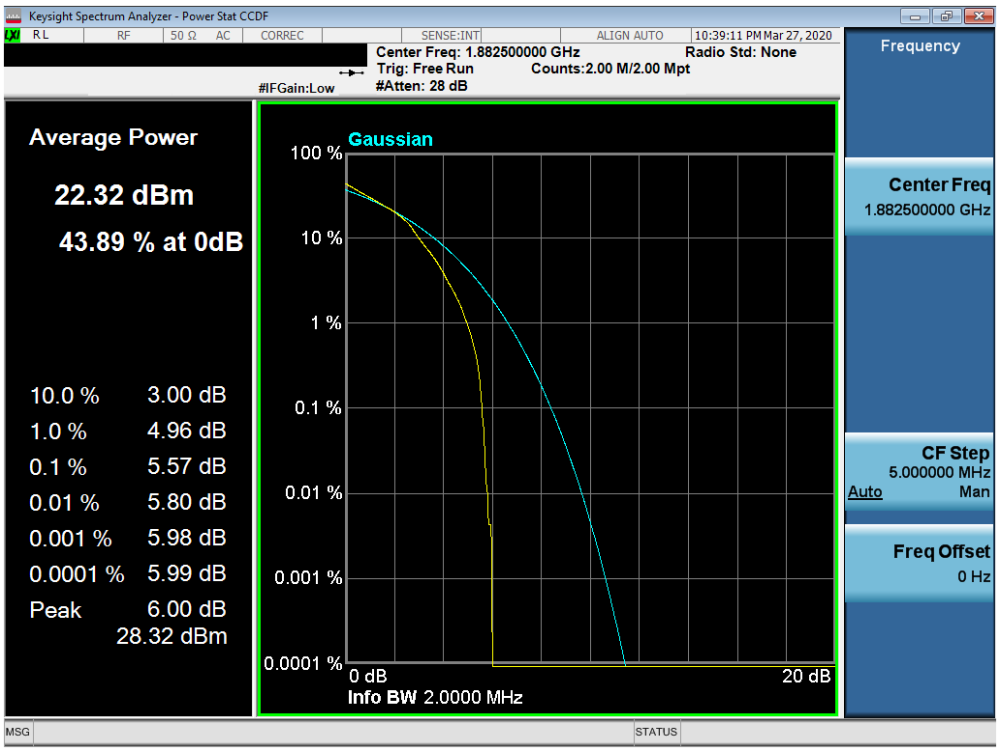
Band 25/2



Plot 7-563. PAR Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-564. PAR Plot (Band 25/2 - 1.4MHz 16-QAM - Full RB Configuration)

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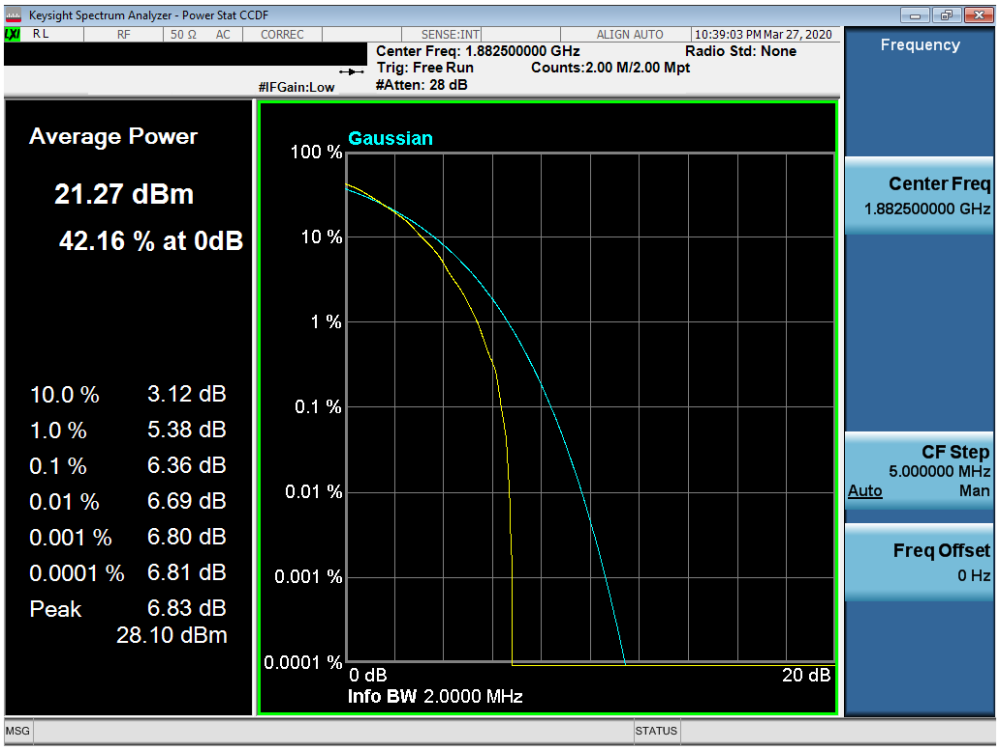
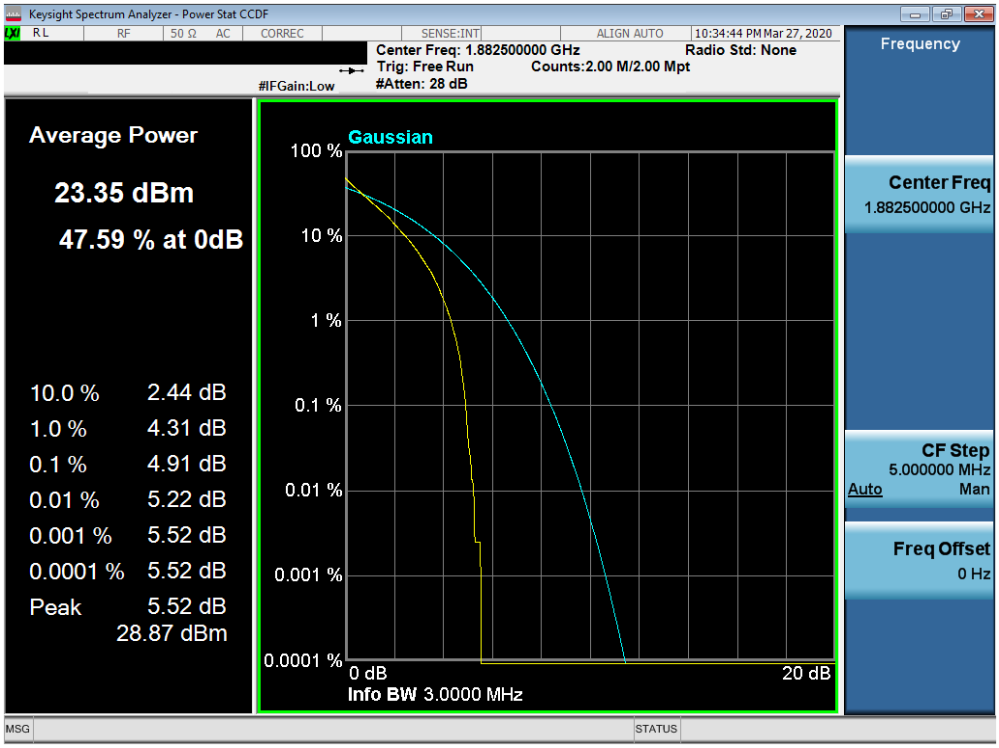


Plot 7-565. PAR Plot (Band 25/2 - 1.4MHz 64-QAM - Full RB Configuration)



Plot 7-566. PAR Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)

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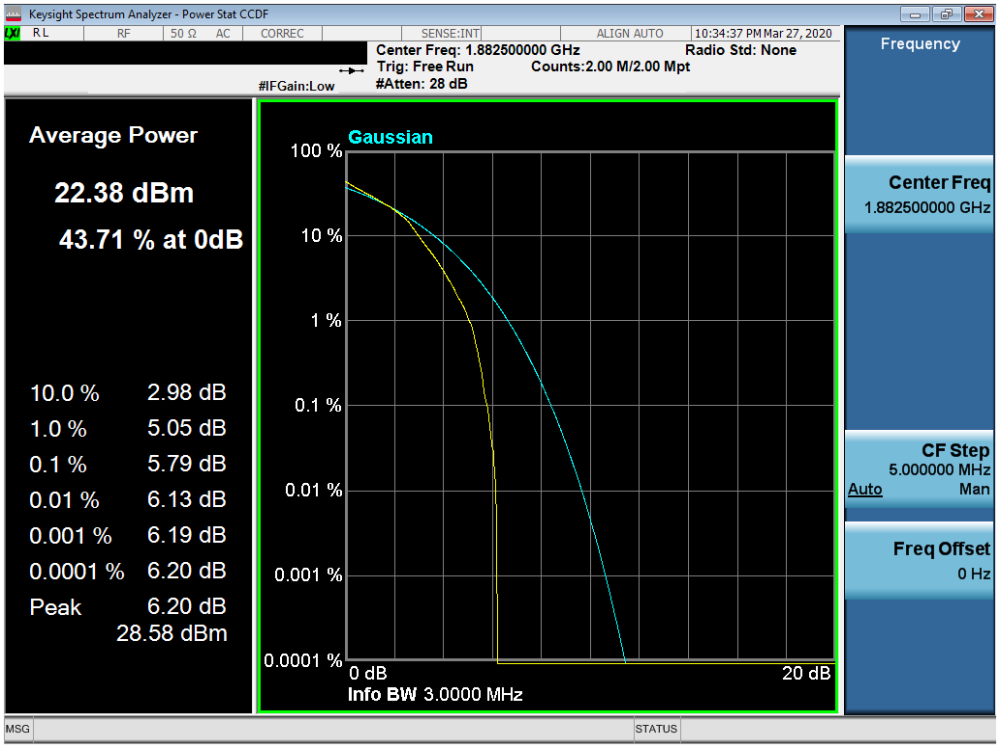
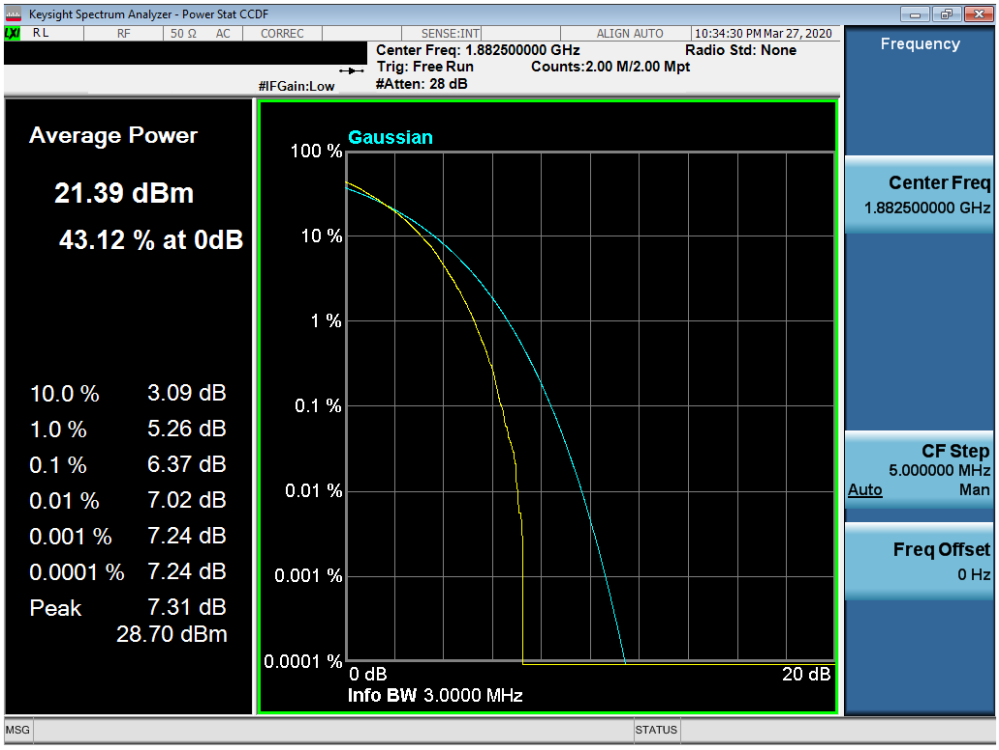


Plot 7-567. PAR Plot (Band 25/2 - 3.0MHz 16-QAM - Full RB Configuration)



Plot 7-568. PAR Plot (Band 25/2 - 3.0MHz 64-QAM - Full RB Configuration)

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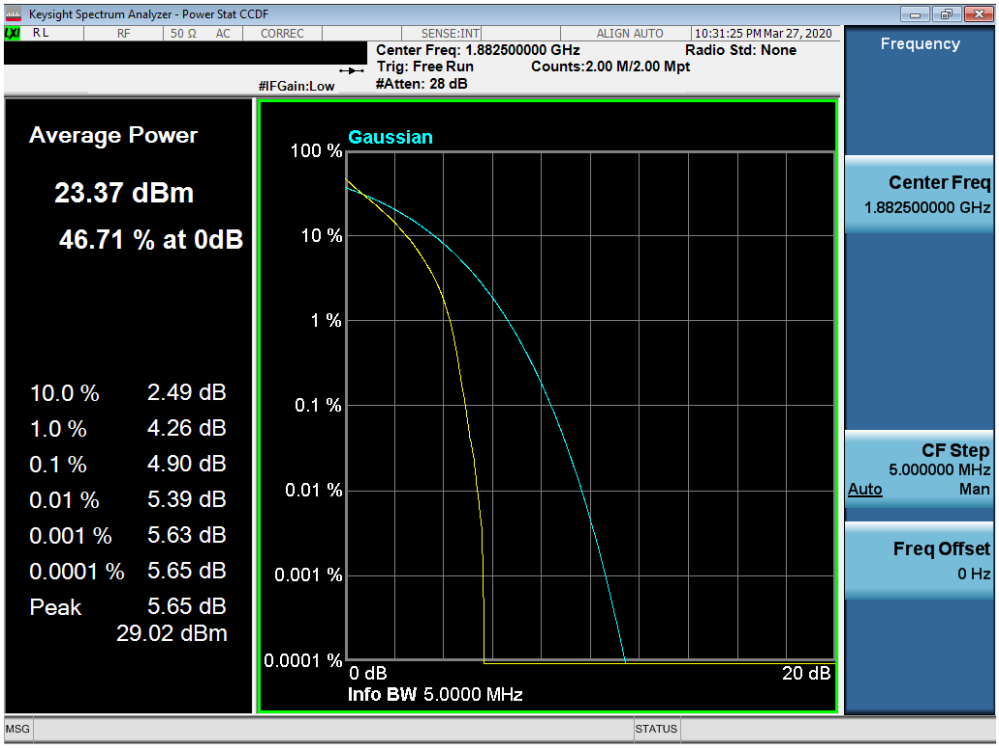
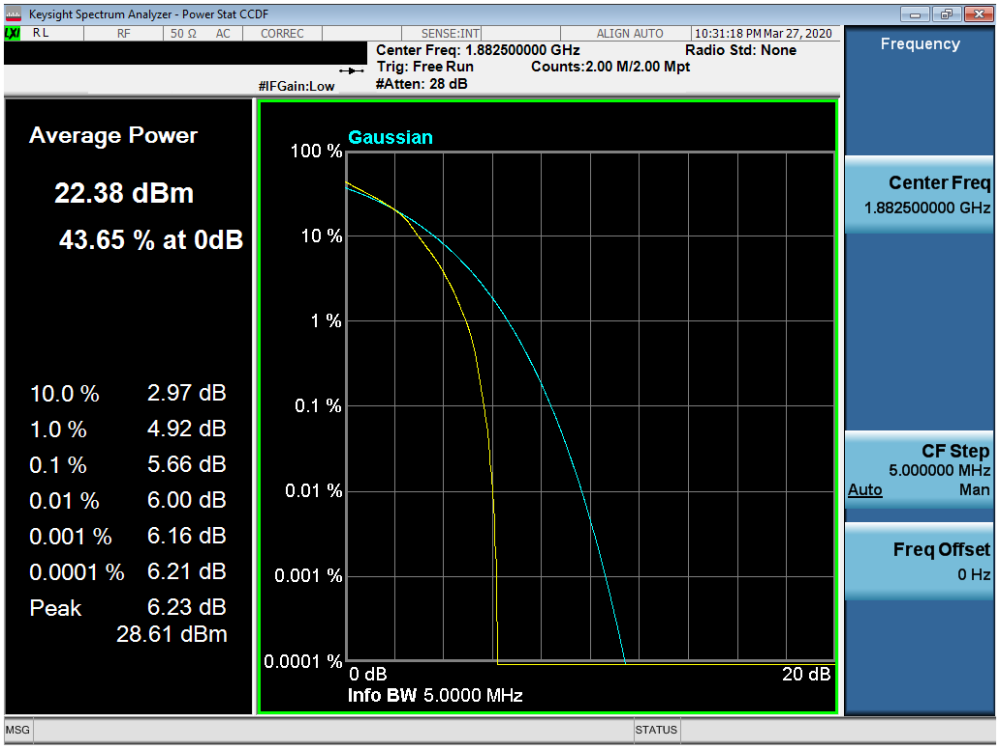


Plot 7-569. PAR Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-570. PAR Plot (Band 25/2 - 5.0MHz 16-QAM - Full RB Configuration)

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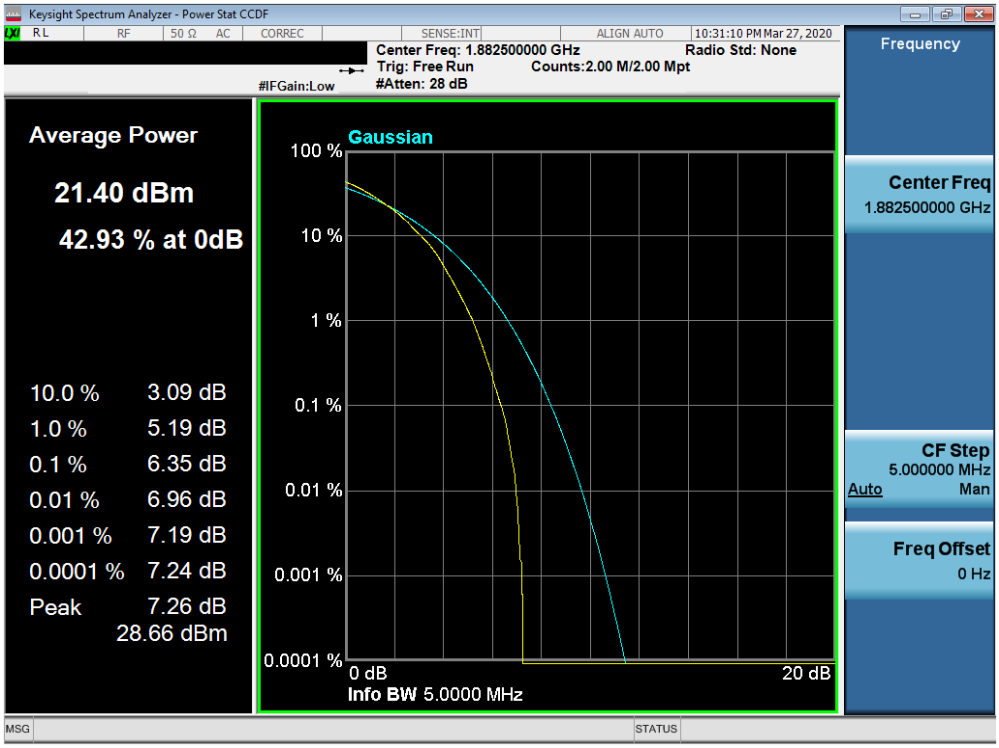
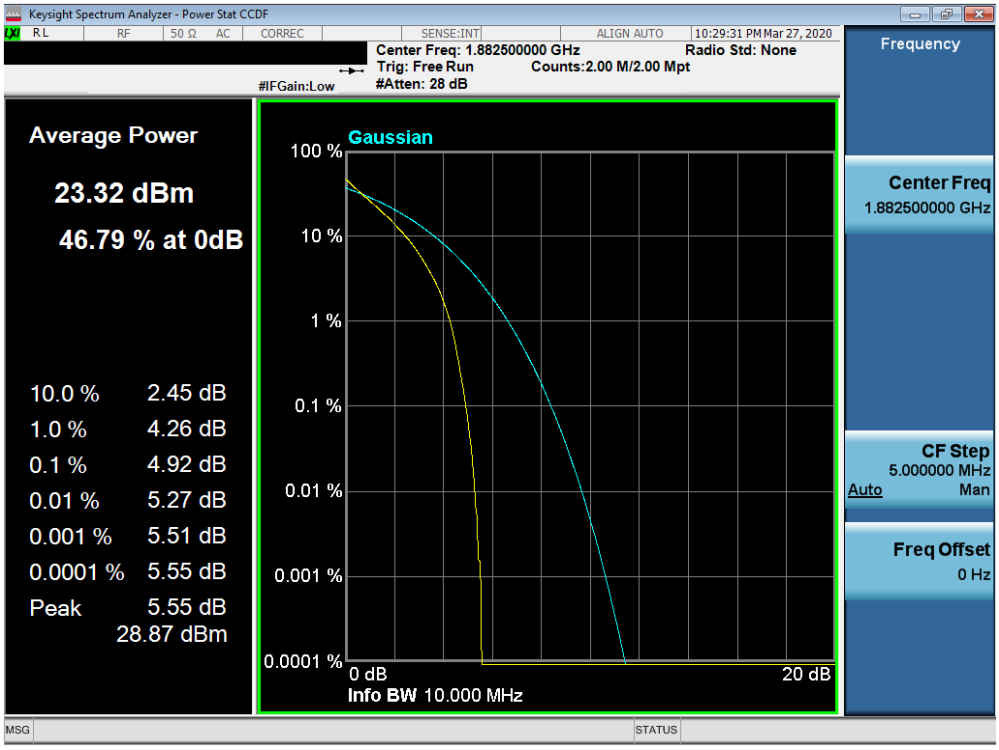


Plot 7-571. PAR Plot (Band 25/2 - 5.0MHz 64-QAM - Full RB Configuration)



Plot 7-572. PAR Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

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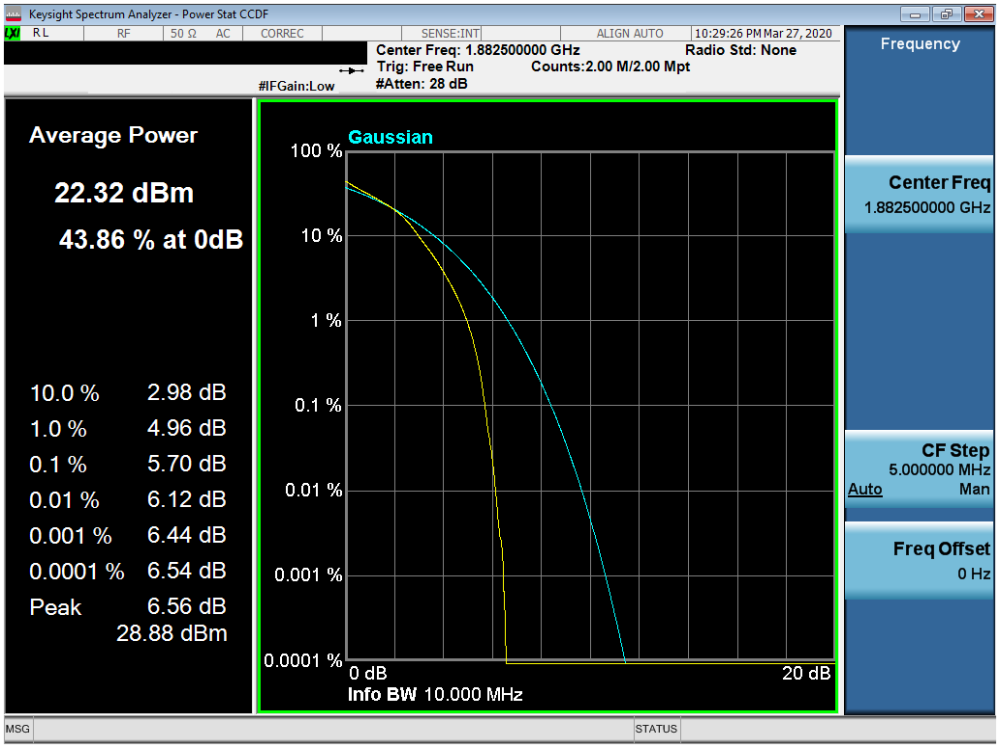
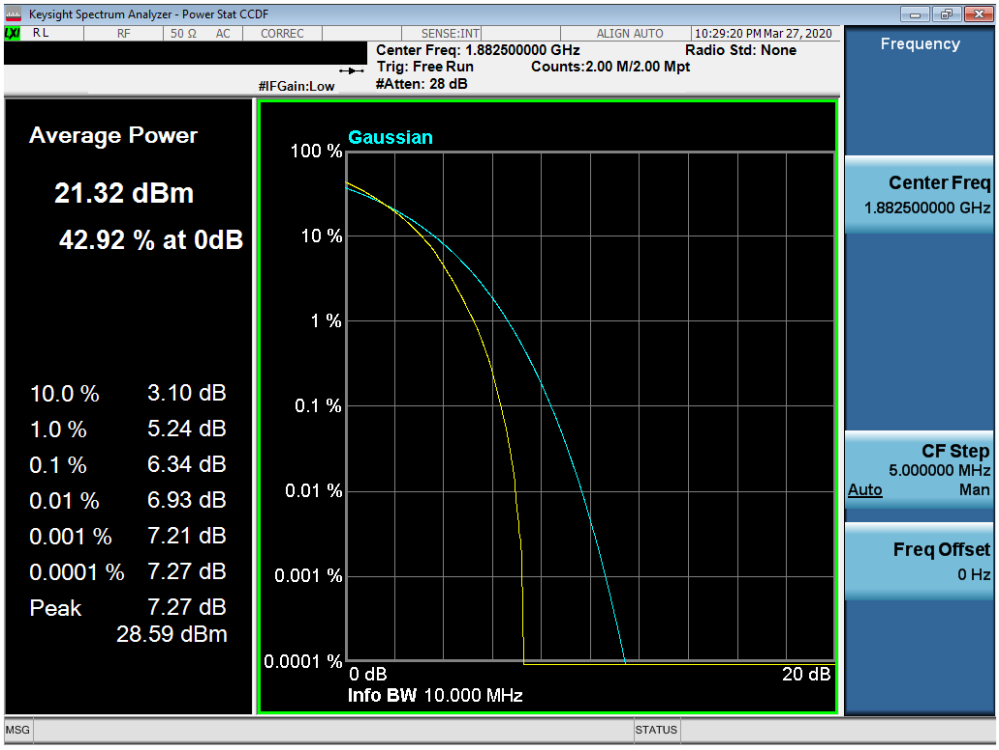


Plot 7-573. PAR Plot (Band 25/2 - 10.0MHz 16-QAM - Full RB Configuration)



Plot 7-574. PAR Plot (Band 25/2 - 10.0MHz 64-QAM - Full RB Configuration)

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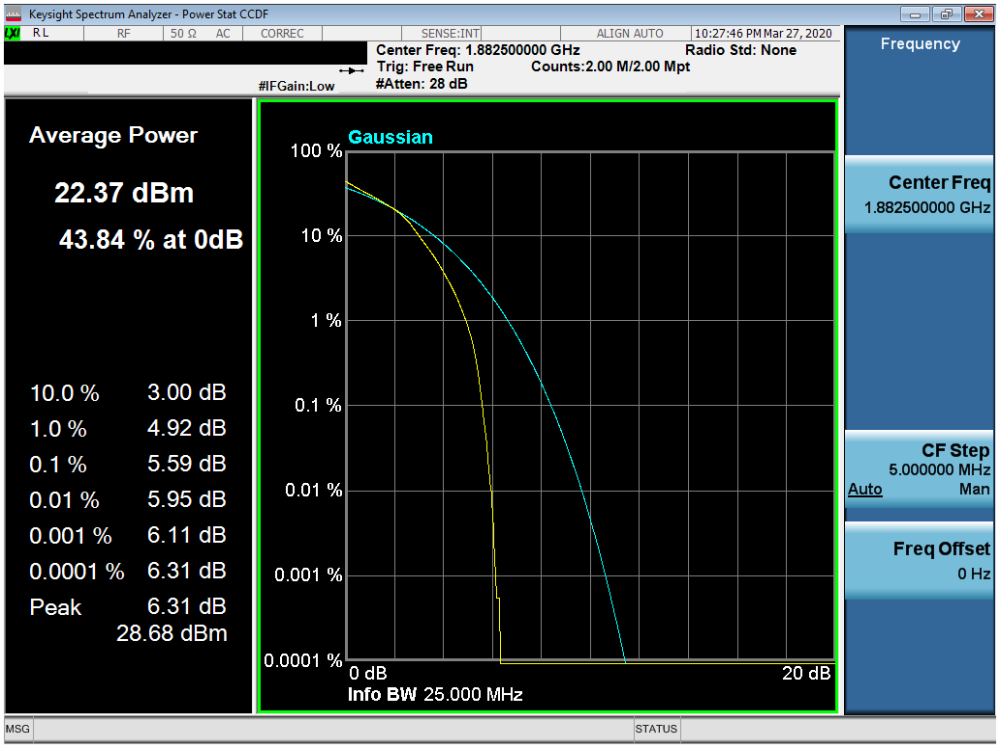
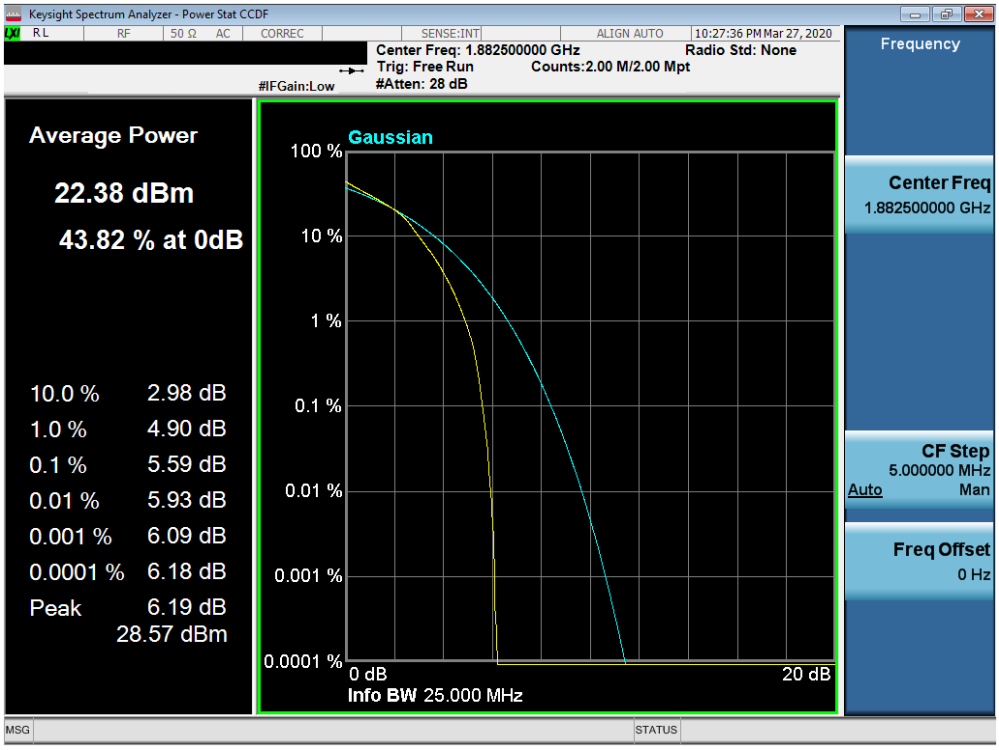


Plot 7-575. PAR Plot (Band 25/2 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-576. PAR Plot (Band 25/2 - 15.0MHz 16-QAM - Full RB Configuration)

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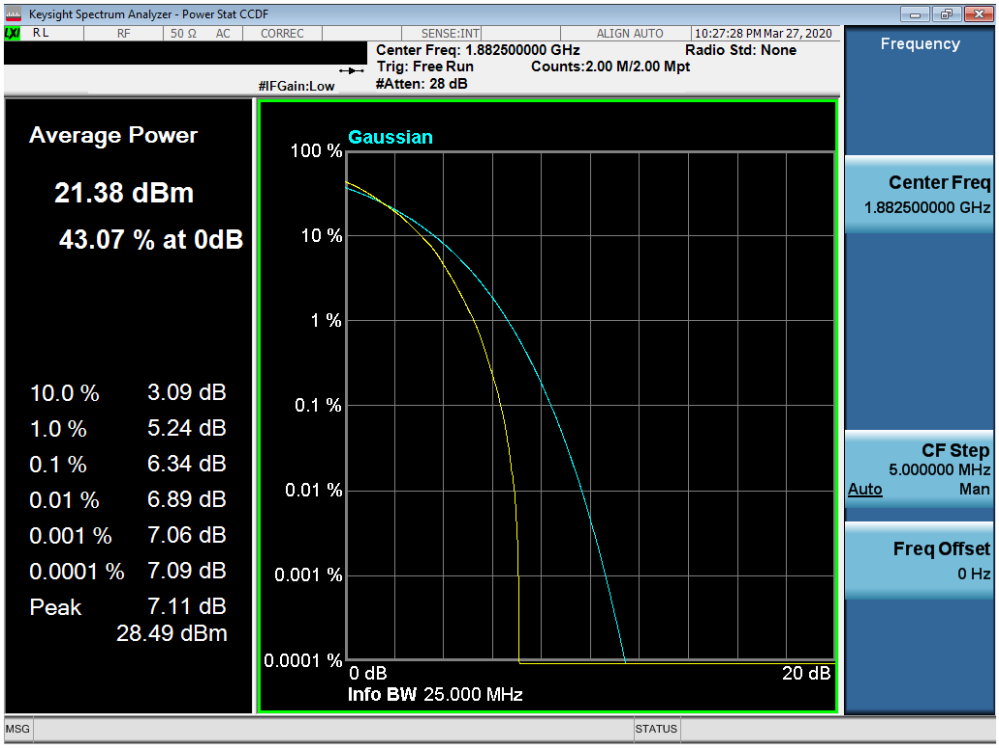
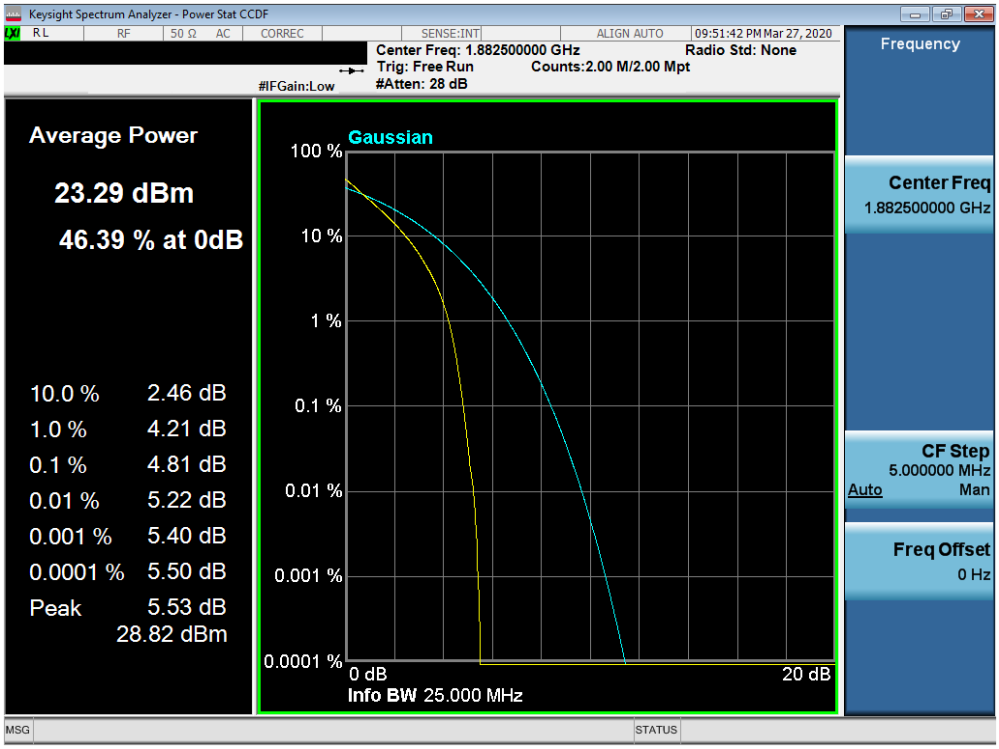


Plot 7-577. PAR Plot (Band 25/2 - 15.0MHz 64-QAM - Full RB Configuration)



Plot 7-578. PAR Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

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