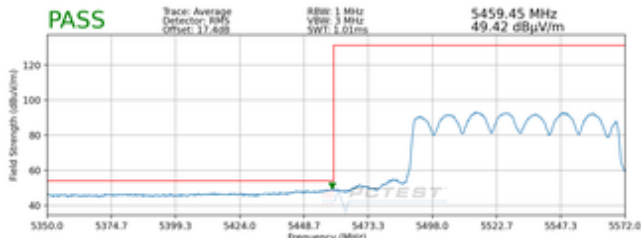
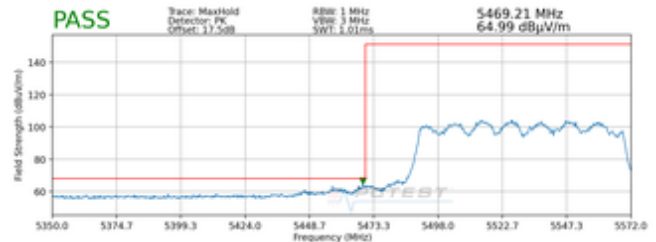


Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Worst Case Orientation: Closed
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106

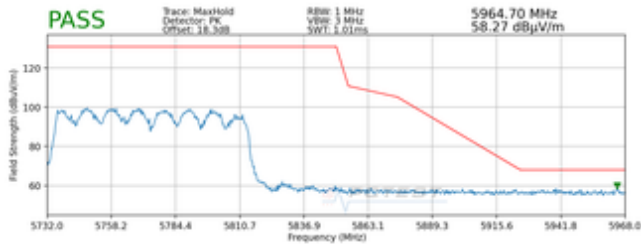


Plot 7-797. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-798. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

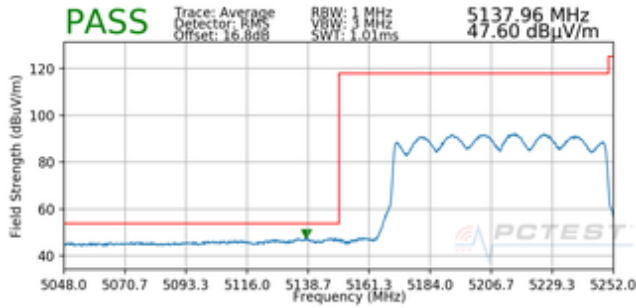
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Worst Case Orientation: Closed
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



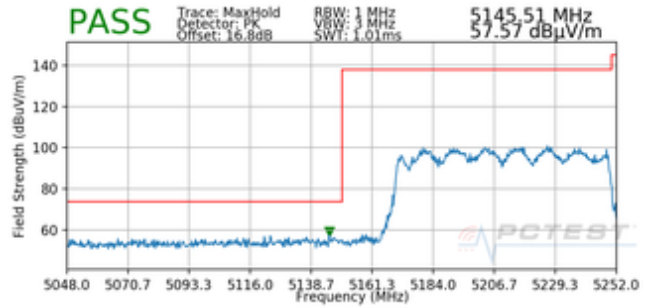
Plot 7-799. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

FCC ID: A3LSMF711U	 <p>Proud to be part of </p>	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset	Page 463 of 509

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5210MHz
 Channel: 42



Plot 7-800. Radiated Upper Band Edge Plot MIMO with WCP (Average – UNII Band 2C)



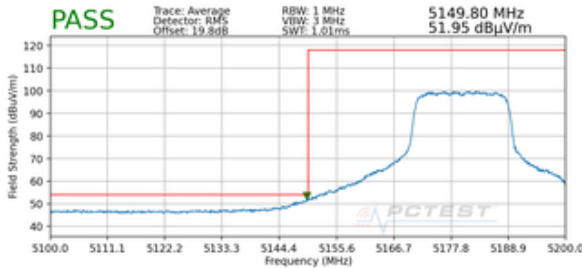
Plot 7-801. Radiated Upper Band Edge Plot MIMO with WCP (Peak – UNII Band 2C)

FCC ID: A3LSMF711U	 <p>Proud to be part of </p>	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset	Page 464 of 509

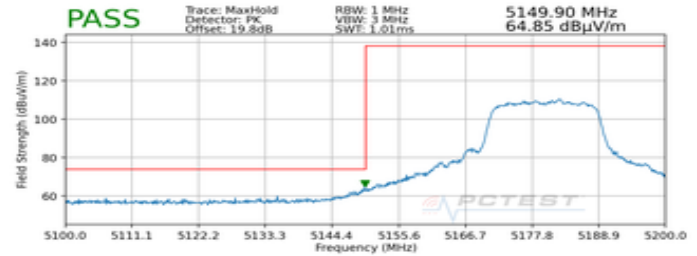
7.6.16 MIMO Radiated Band Edge Measurements (20MHz BW) - Q

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Worst Case Orientation:	Closed
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

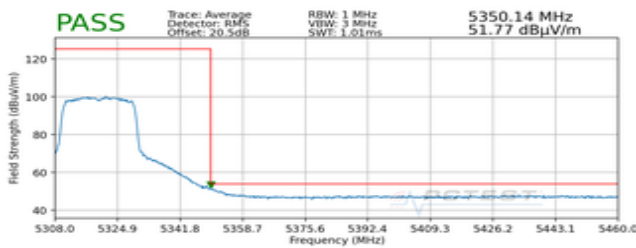


Plot 7-802. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

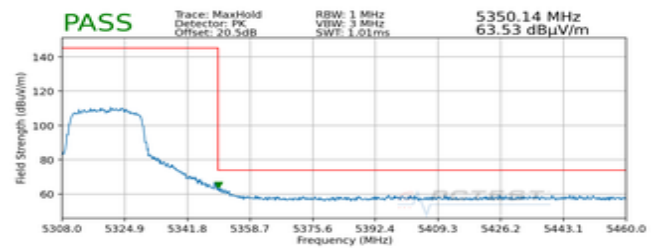


Plot 7-803. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Worst Case Orientation:	Closed
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



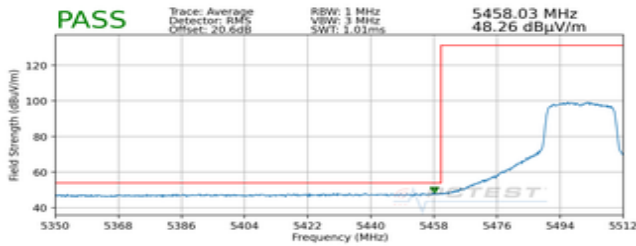
Plot 7-804. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



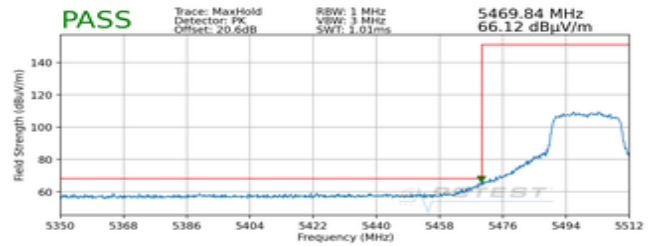
Plot 7-805. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 465 of 509

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Worst Case Orientation: Closed
 Distance of Measurements: 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

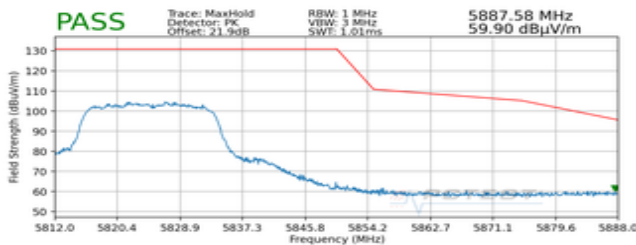


Plot 7-806. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-807. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

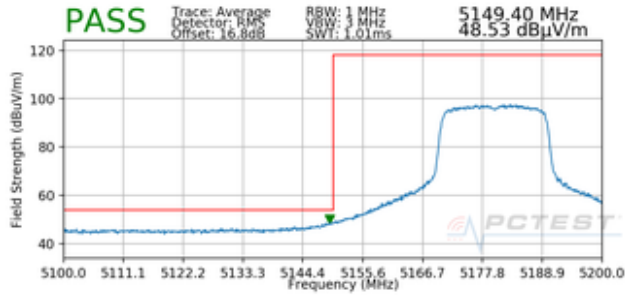
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Worst Case Orientation: Closed
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



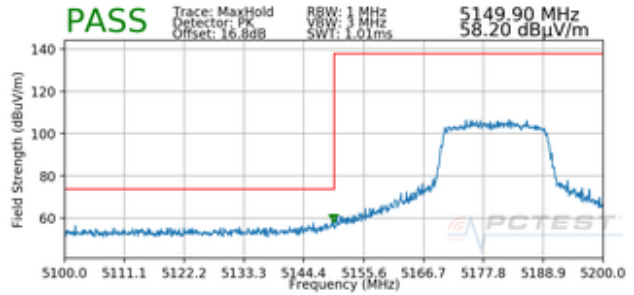
Plot 7-808. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

FCC ID: A3LSMF711U	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 466 of 509

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5180MHz
 Channel: 36



Plot 7-809. Radiated Lower Band Edge Plot MIMO with WCP (Average – UNII Band 1)



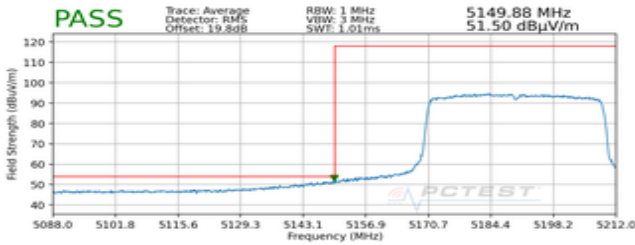
Plot 7-810. Radiated Lower Band Edge Plot MIMO with WCP (Peak – UNII Band 1)

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset	Page 467 of 509

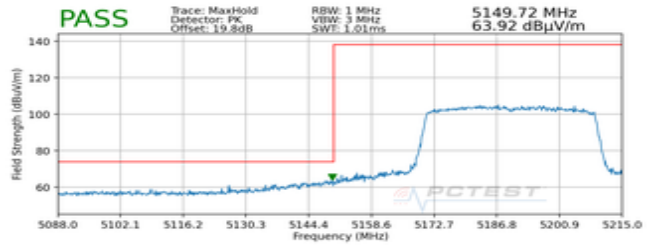
7.6.17 MIMO Radiated Band Edge Measurements (40MHz BW) – Q

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5190MHz
Channel:	38

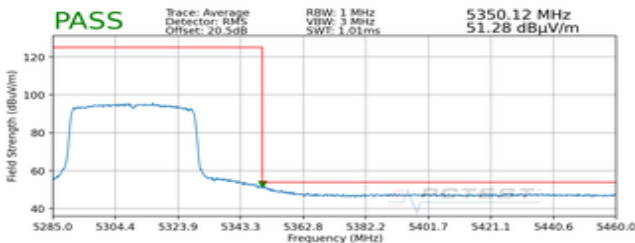


Plot 7-811. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)



Plot 7-812. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Worst Case Orientation:	Closed
Distance of Measurements:	3 Meters
Operating Frequency:	5310MHz
Channel:	62



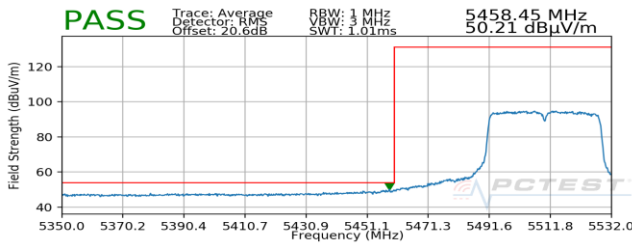
Plot 7-813. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



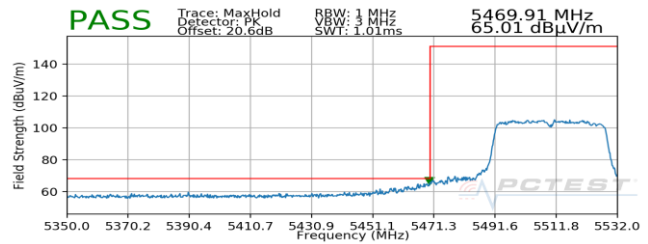
Plot 7-814. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 468 of 509

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Worst Case Orientation: Closed
 Distance of Measurements: 3 Meters
 Operating Frequency: 5510MHz
 Channel: 102

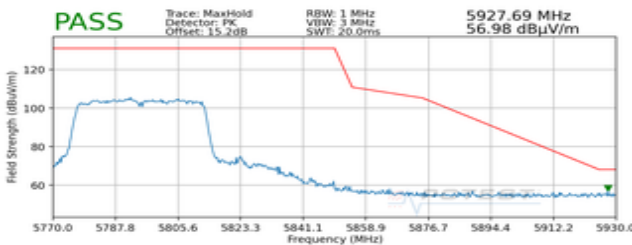


Plot 7-815. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-816. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

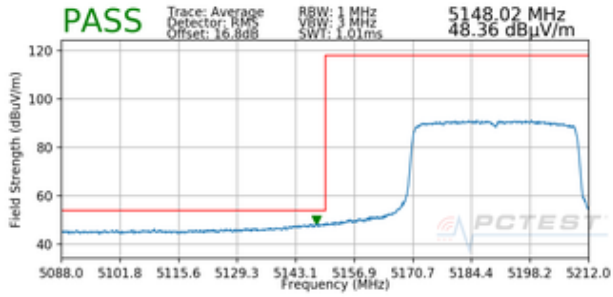
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Worst Case Orientation: Closed
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



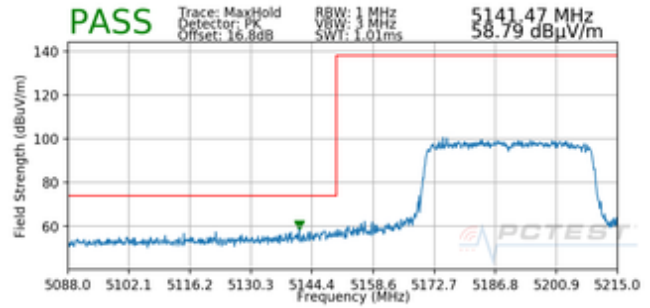
Plot 7-817. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

FCC ID: A3LSMF711U	 <p>Proud to be part of element</p>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset	Page 469 of 509

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5190MHz
 Channel: 38



Plot 7-818. Radiated Lower Band Edge Plot MIMO with WCP (Average – UNII Band 1)



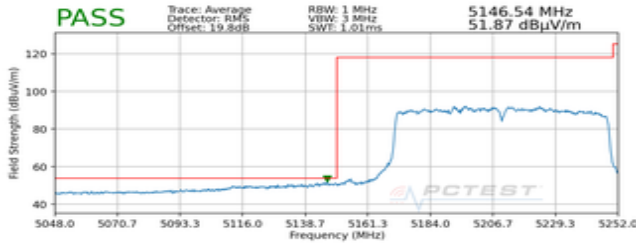
Plot 7-819. Radiated Lower Band Edge Plot MIMO with WCP (Peak – UNII Band 1)

FCC ID: A3LSMF711U	 <p>Proud to be part of </p>	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset	Page 470 of 509

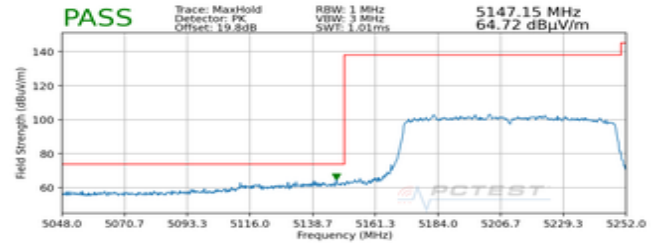
7.6.18 MIMO Radiated Band Edge Measurements (80MHz BW) - Q

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Worst Case Orientation:	Closed
Distance of Measurements:	3 Meters
Operating Frequency:	5210MHz
Channel:	42

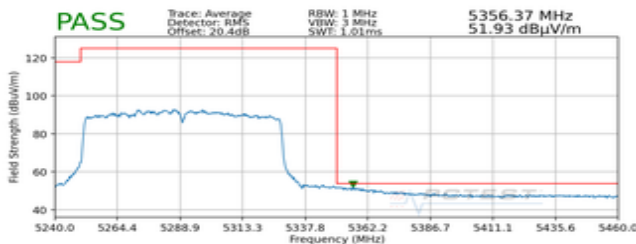


Plot 7-820. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

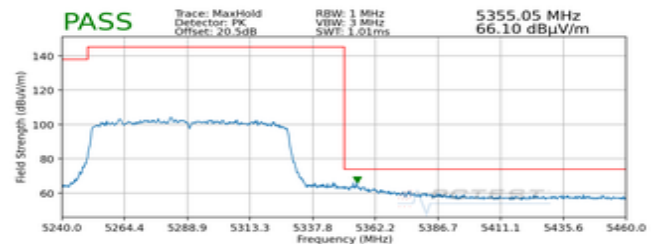


Plot 7-821. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Worst Case Orientation:	Closed
Distance of Measurements:	3 Meters
Operating Frequency:	5290MHz
Channel:	58



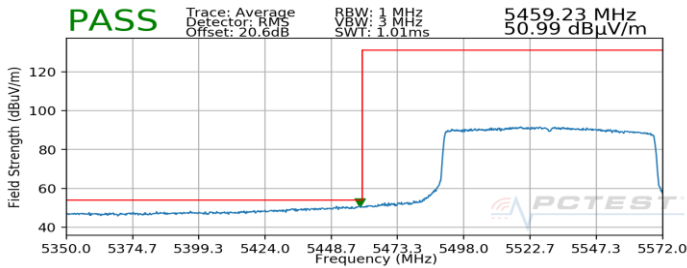
Plot 7-822. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



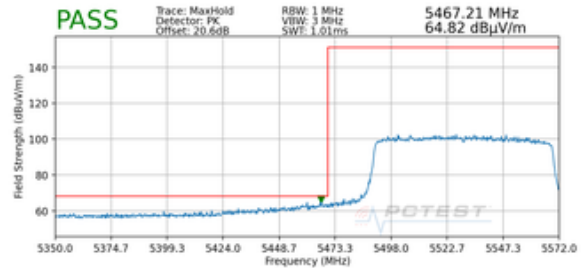
Plot 7-823. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 471 of 509

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Worst Case Orientation: Closed
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106

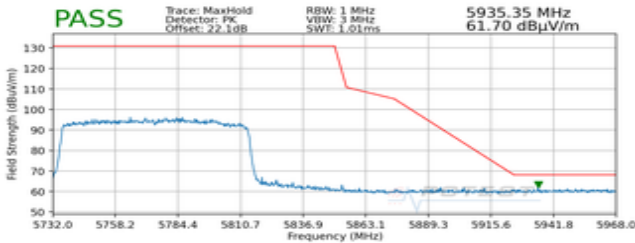


Plot 7-824. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-825. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

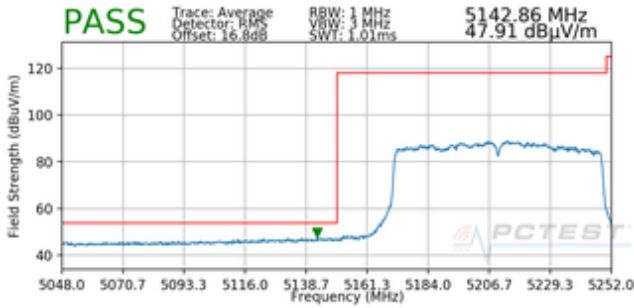
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Worst Case Orientation: Closed
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



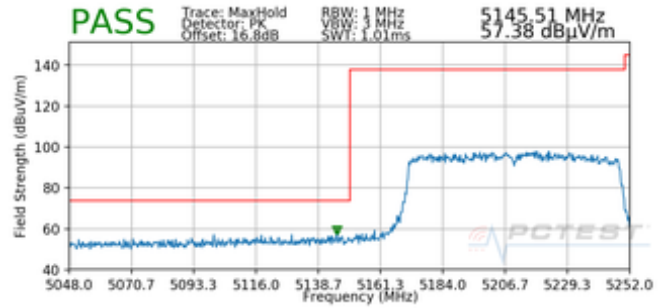
Plot 7-826. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset	Page 472 of 509

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5210MHz
 Channel: 42



Plot 7-827. Radiated Lower Band Edge Plot MIMO with WCP (Average – UNII Band 1)



Plot 7-828. Radiated Lower Band Edge Plot MIMO with WCP (Peak – UNII Band 1)

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset	Page 473 of 509

7.7 Radiated Spurious Emissions Measurements – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-99 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-99. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Test Setup

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

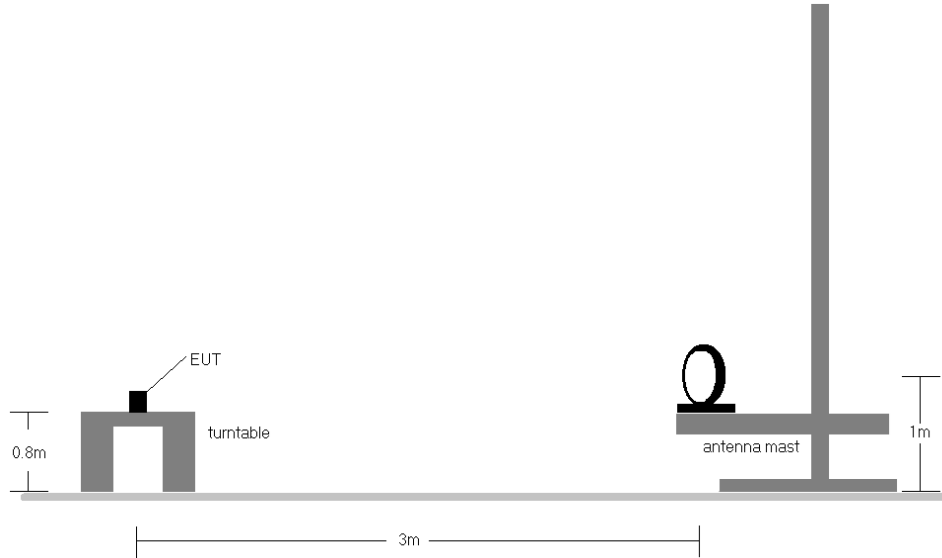


Figure 7-6. Radiated Test Setup < 30MHz

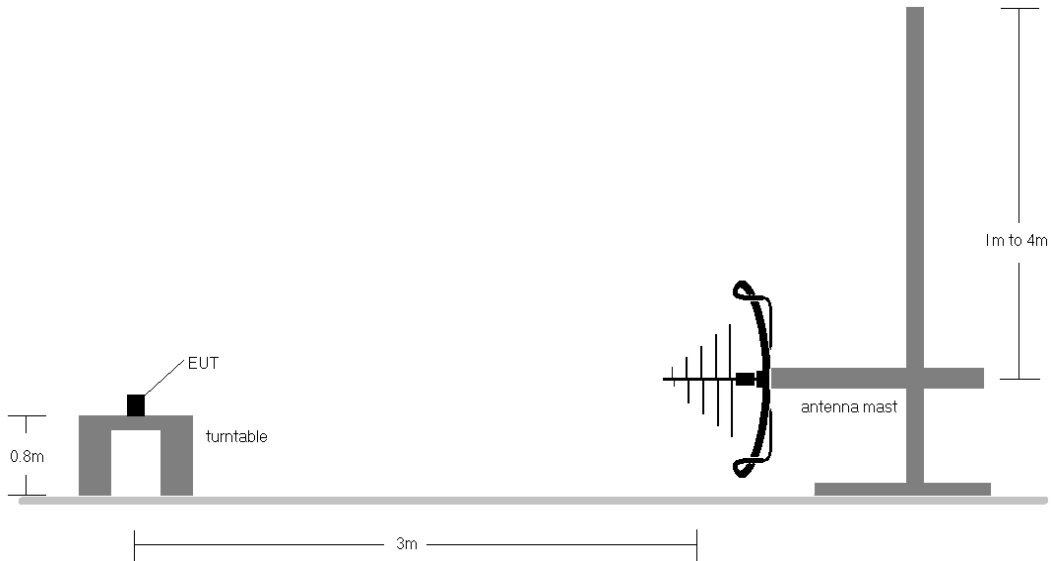


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: A3LSMF711U	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 475 of 509

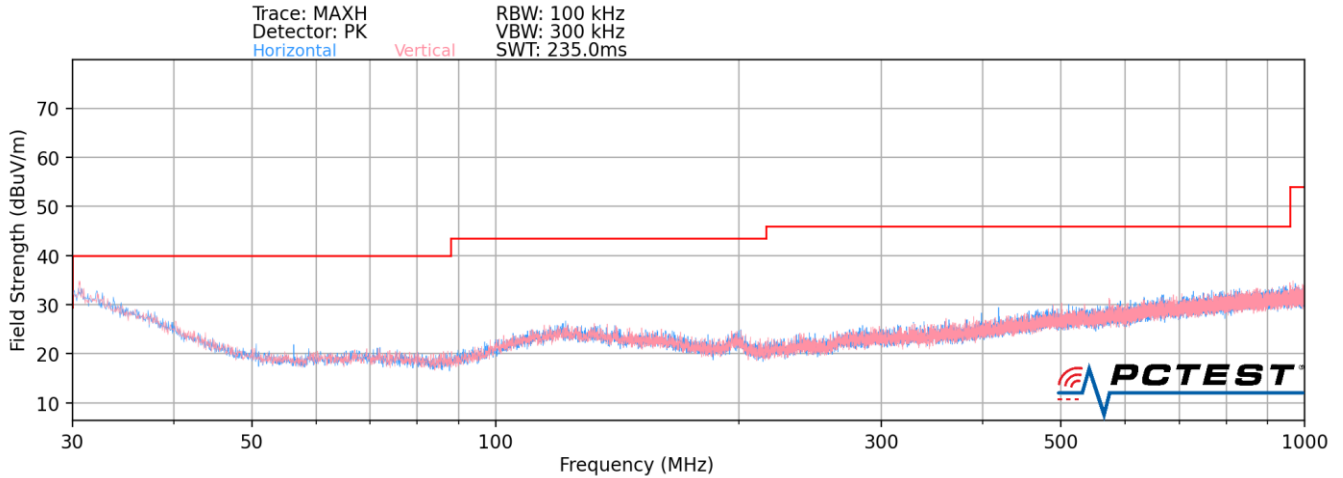
Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-99.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.

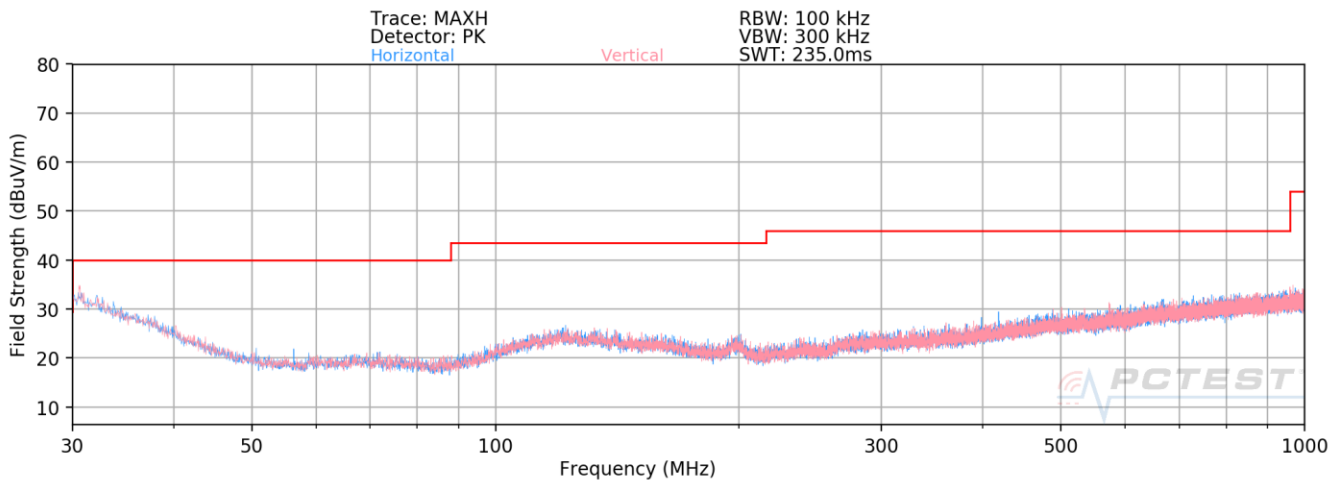
FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 476 of 509

SISO Antenna-1 Radiated Spurious Emissions Measurements - N (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-829. Radiated Spurious Plot below 1GHz SISO Antenna-1 – OPEN (802.11a – U3 Ch. 157)

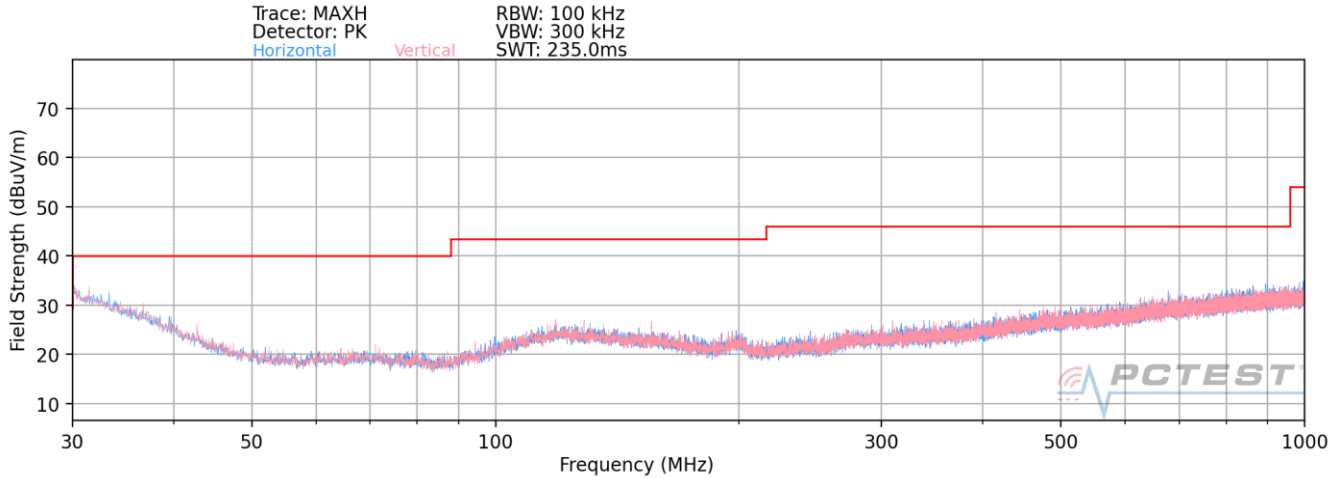


Plot 7-830. Radiated Spurious Plot below 1GHz SISO Antenna-1 - Closed (802.11a – U3 Ch. 157)

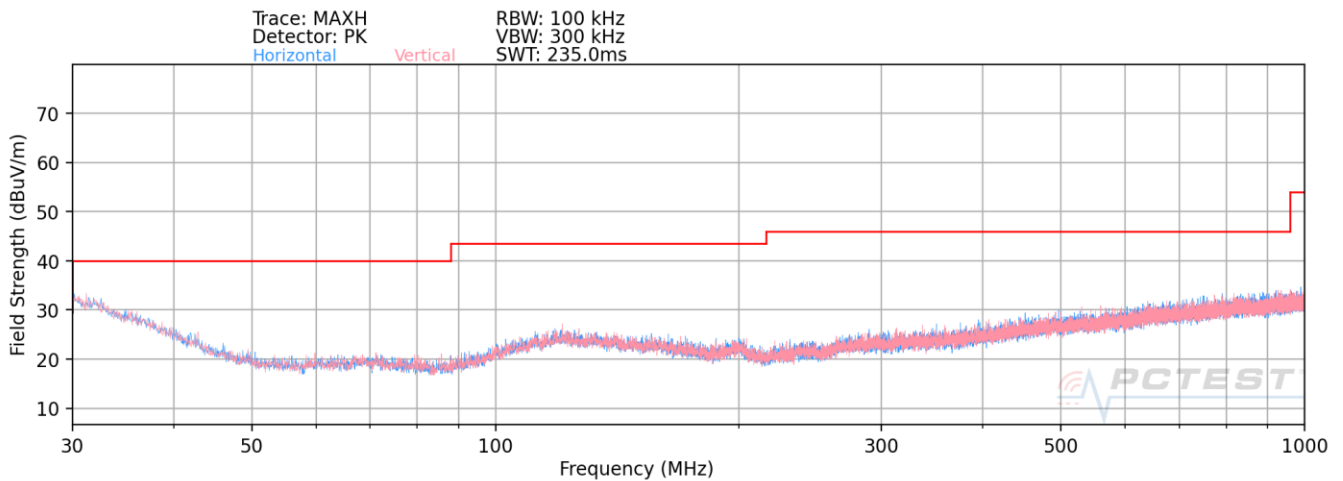
FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 477 of 509

CDD Radiated Spurious Emissions Measurements - N (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-831. Radiated Spurious Plot below 1GHz CDD – Open (802.11a – U3 Ch. 157)

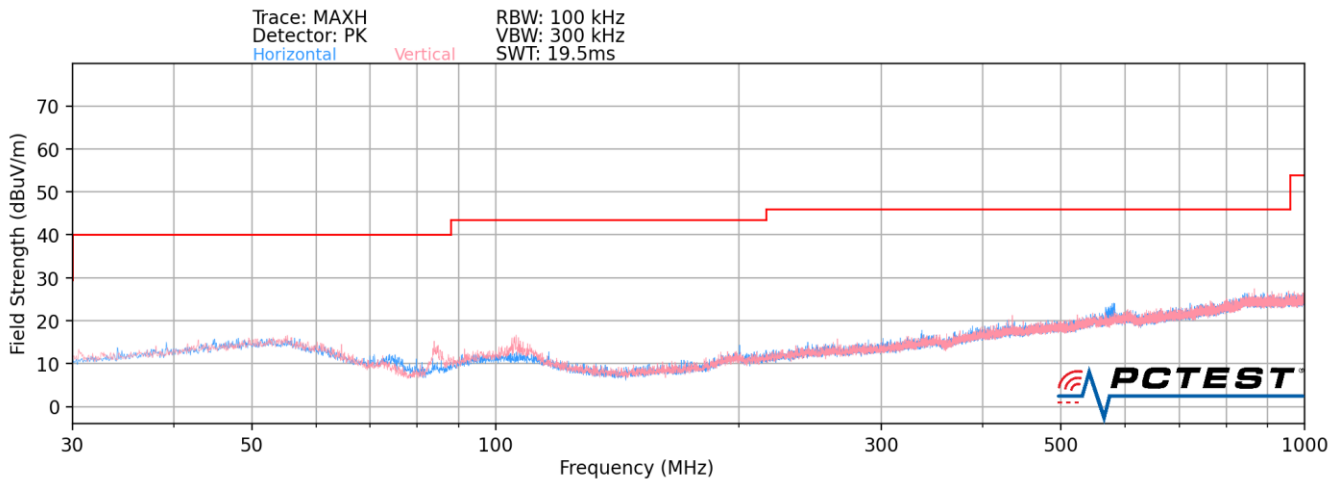


Plot 7-832. Radiated Spurious Plot below 1GHz CDD - Closed (802.11a – U3 Ch. 157)

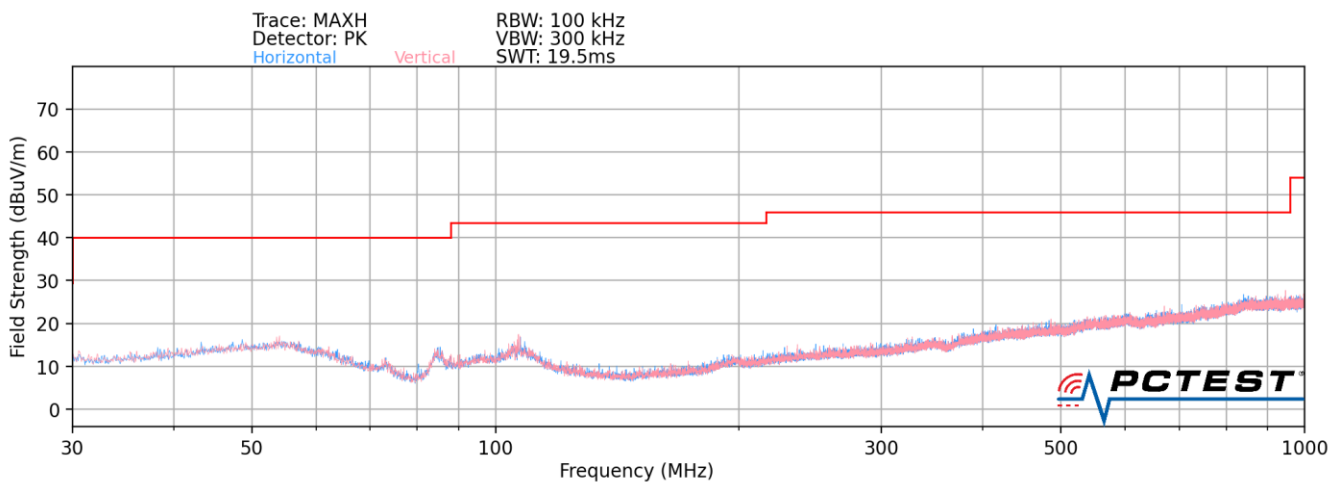
FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Simultaneous Tx Radiated Spurious Emissions Measurements- N (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-833. Radiated Spurious Plot below 1GHz Open (Bluetooth – 2.4 GHz – 5GHz)

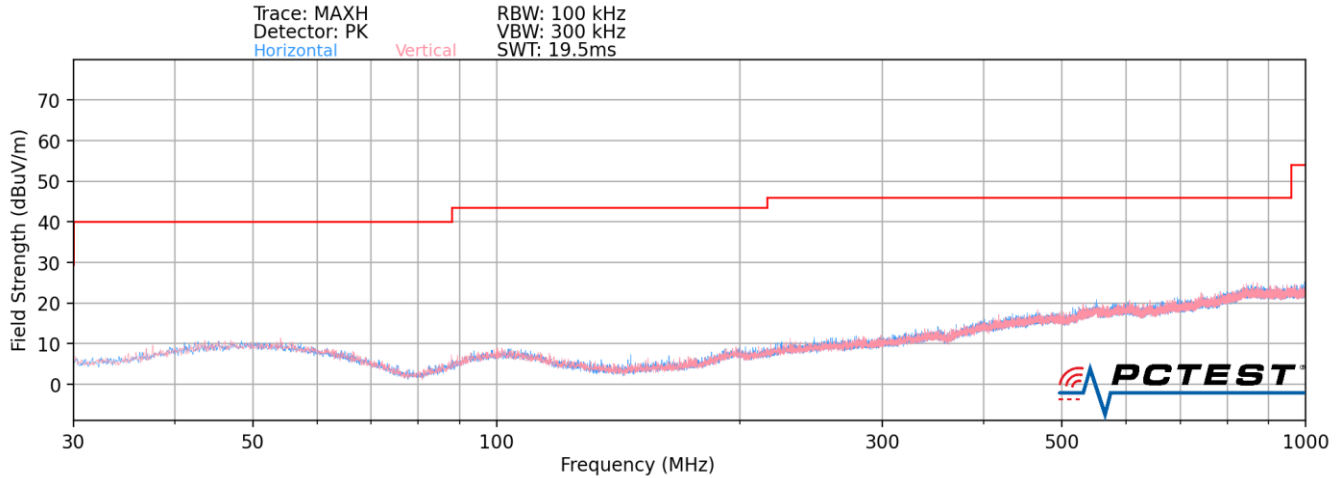


Plot 7-834. Radiated Spurious Plot below 1GHz Open (Dual Band Simult. Tx)

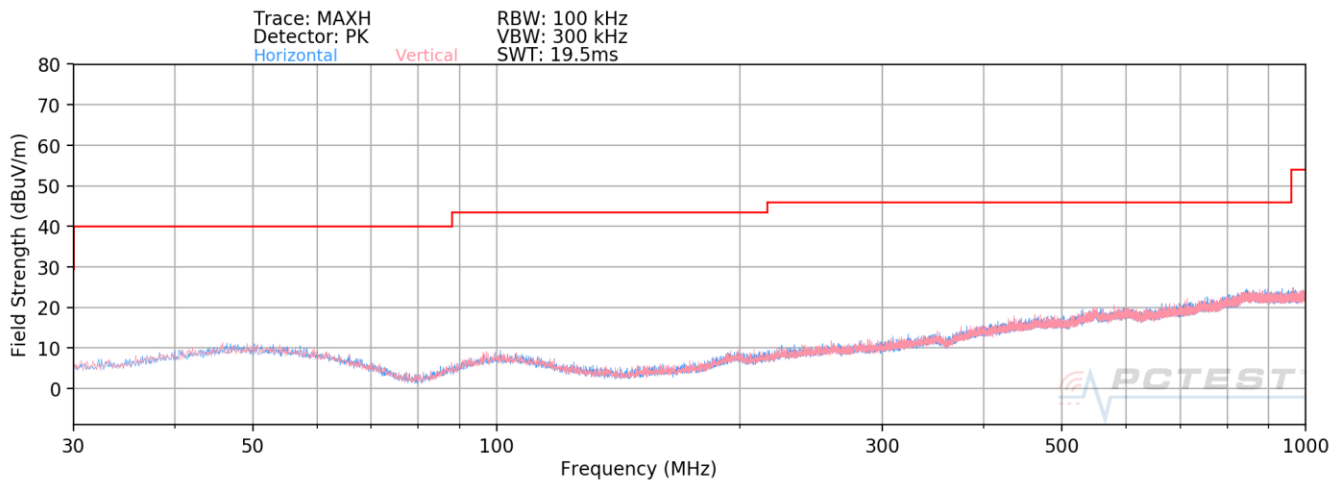
FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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SISO Antenna-1 Radiated Spurious Emissions Measurements - Q (Below 1GHz)

§15.209; RSS-Gen [8.9]



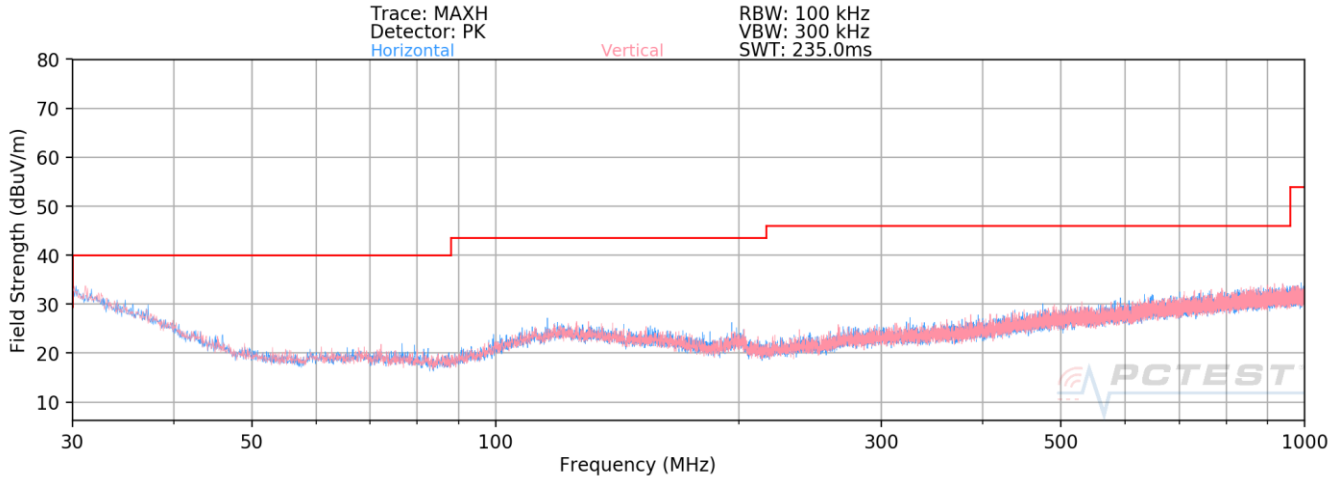
Plot 7-835. Radiated Spurious Plot below 1GHz SISO Ant1 – Open (802.11a – U3 Ch. 157)



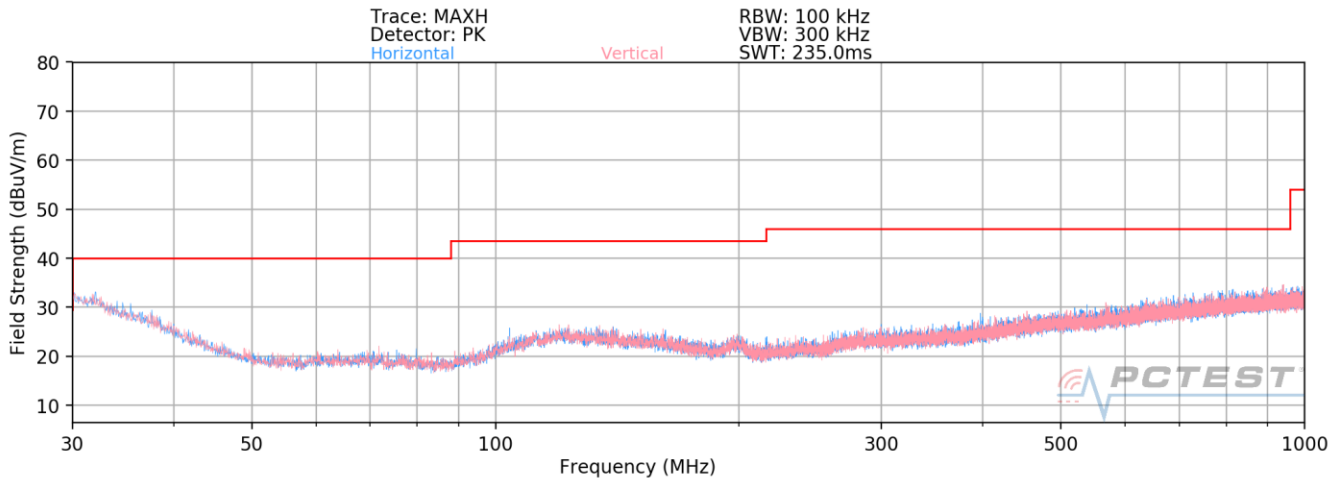
Plot 7-836. Radiated Spurious Plot below 1GHz SISO Ant1 - Closed (802.11a – U3 Ch. 157)

FCC ID: A3LSMF711U	 Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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CDD Radiated Spurious Emissions Measurements - Q (Below 1GHz) §15.209; RSS-Gen [8.9]



Plot 7-837. Radiated Spurious Plot below 1GHz CDD – Open (802.11a – U3 Ch. 157)

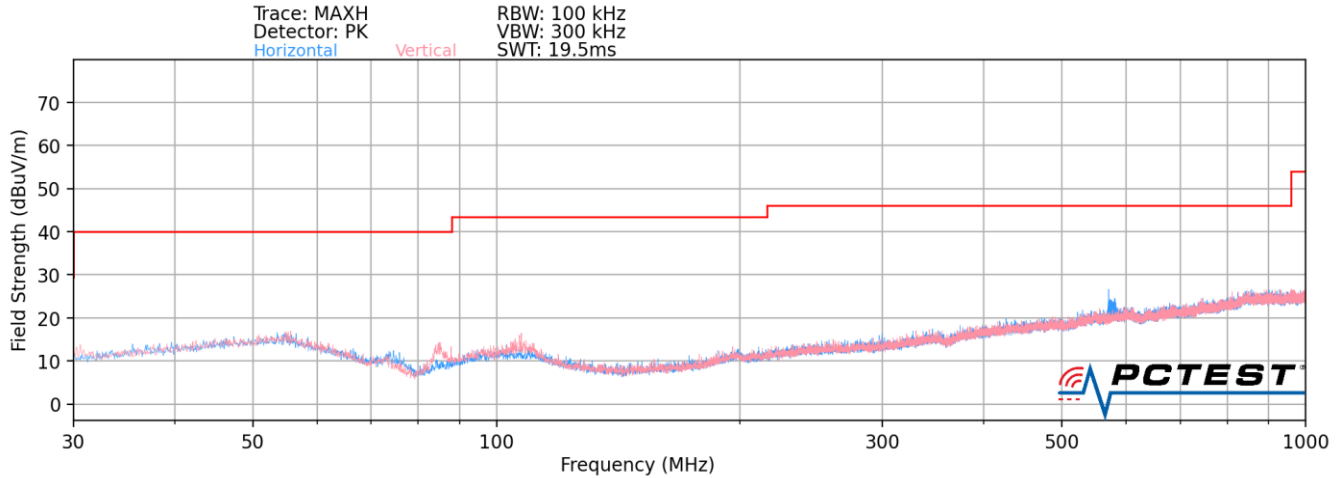


Plot 7-838. Radiated Spurious Plot below 1GHz CDD - Closed (802.11a – U3 Ch. 157)

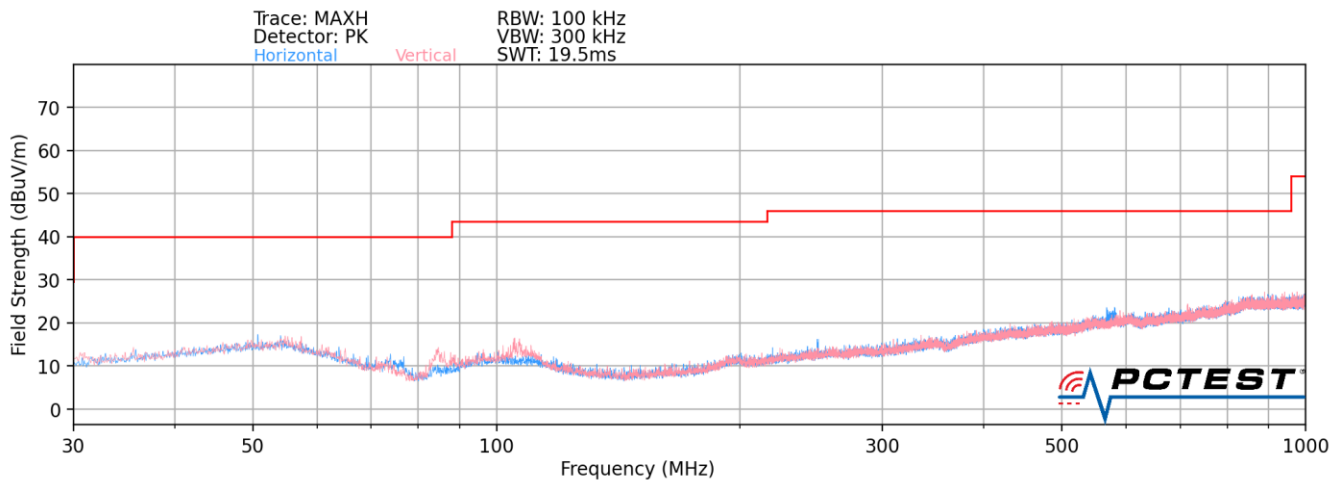
FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset	Page 481 of 509

Simultaneous Tx Radiated Spurious Emissions Measurements- Q (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-839. Radiated Spurious Plot below 1GHz Open (Bluetooth – 2.4 GHz – 5GHz)



Plot 7-840. Radiated Spurious Plot below 1GHz Open (Dual Band Simult. Tx)

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 482 of 509

7.8 Line-Conducted Test Data

§15.407; RSS-Gen [8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-100. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

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Test Setup

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

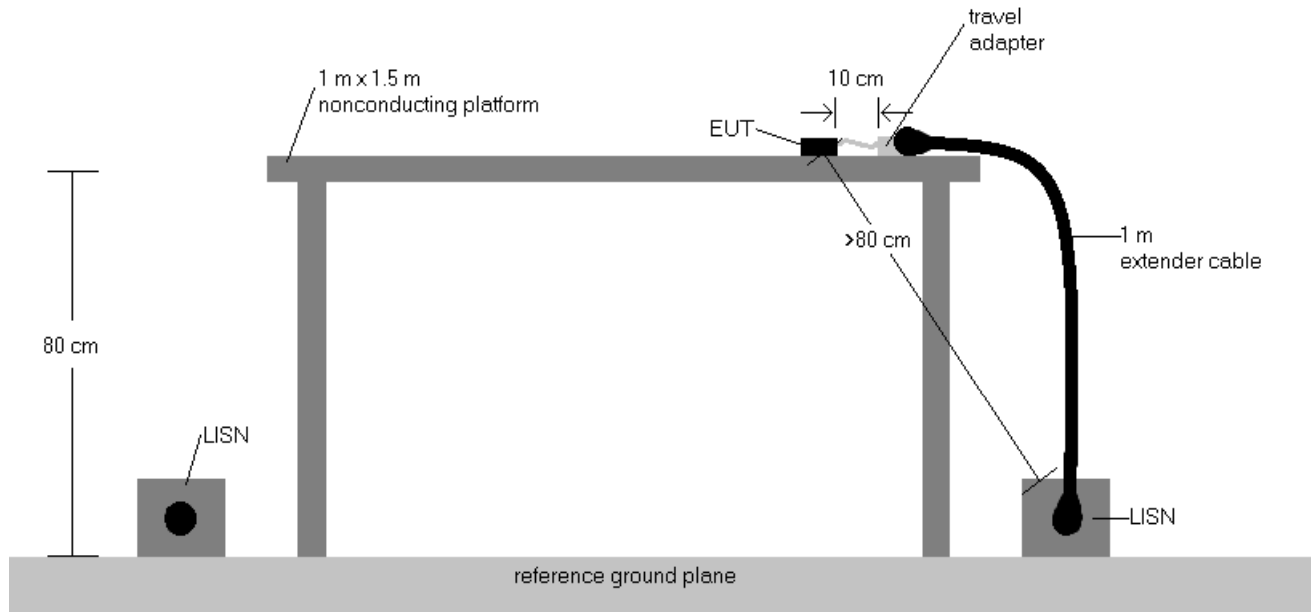


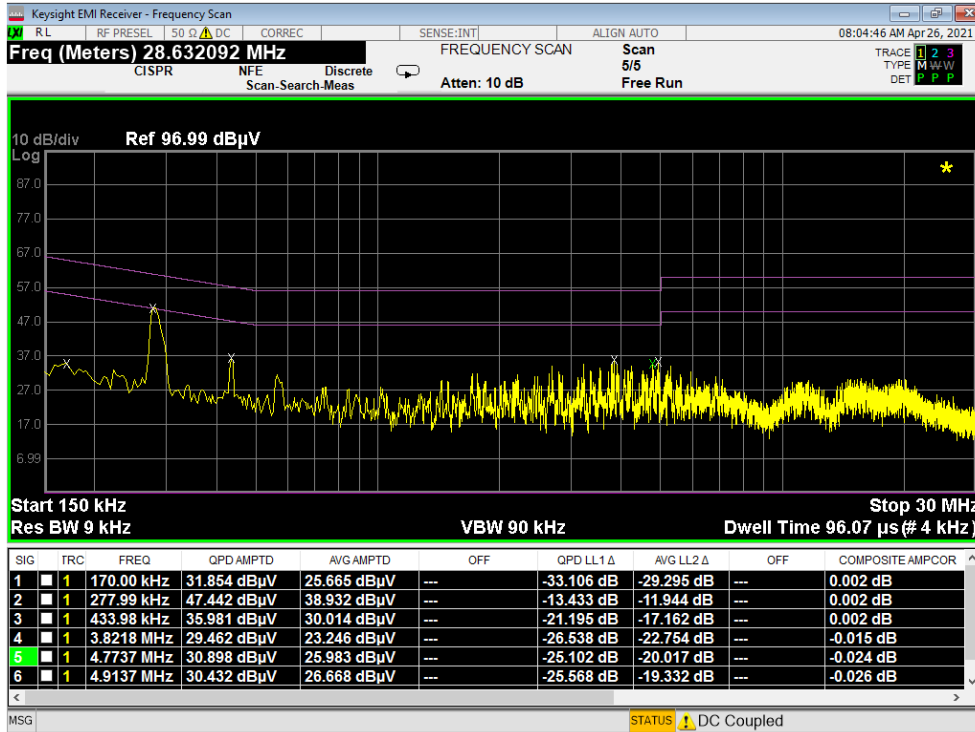
Figure 7-8. Test Instrument & Measurement Setup

Test Notes

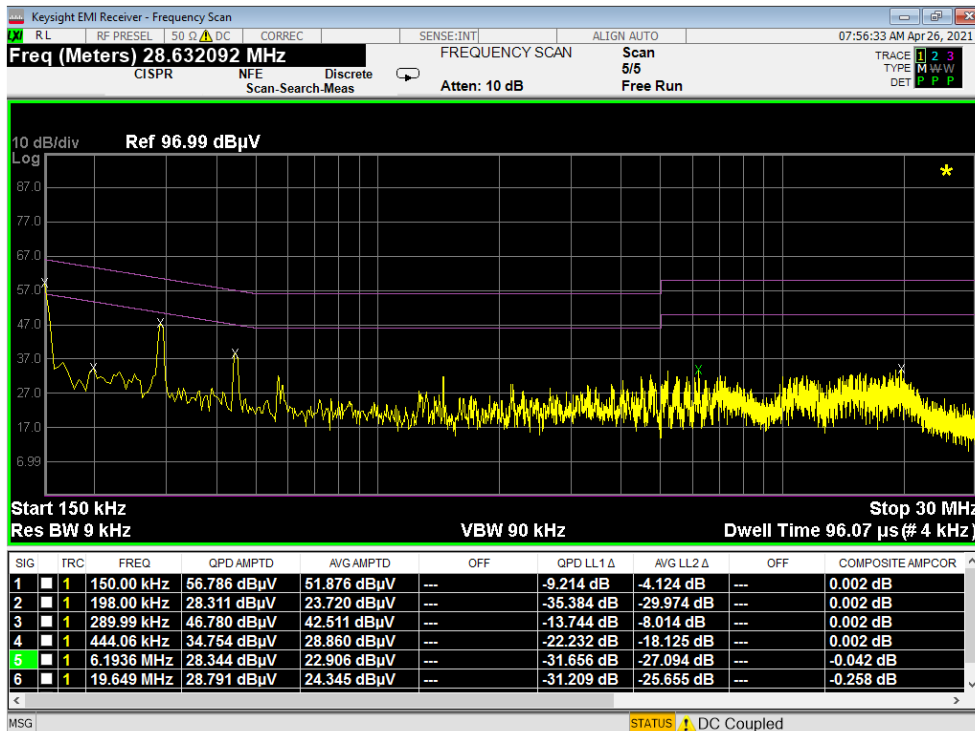
- All modes of operation were investigated and the worst-case emissions are reported using mid channel. The emissions found were not affected by the choice of channel used during testing.
- The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
- $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
- $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Corr. (dB)}$
- $\text{Margin (dB)} = \text{QP/AV Limit (dB}\mu\text{V)} - \text{QP/AV Level (dB}\mu\text{V)}$
- Traces shown in plot are made using a peak detector.
- Deviations to the Specifications: None.

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Line-Conducted Test- N

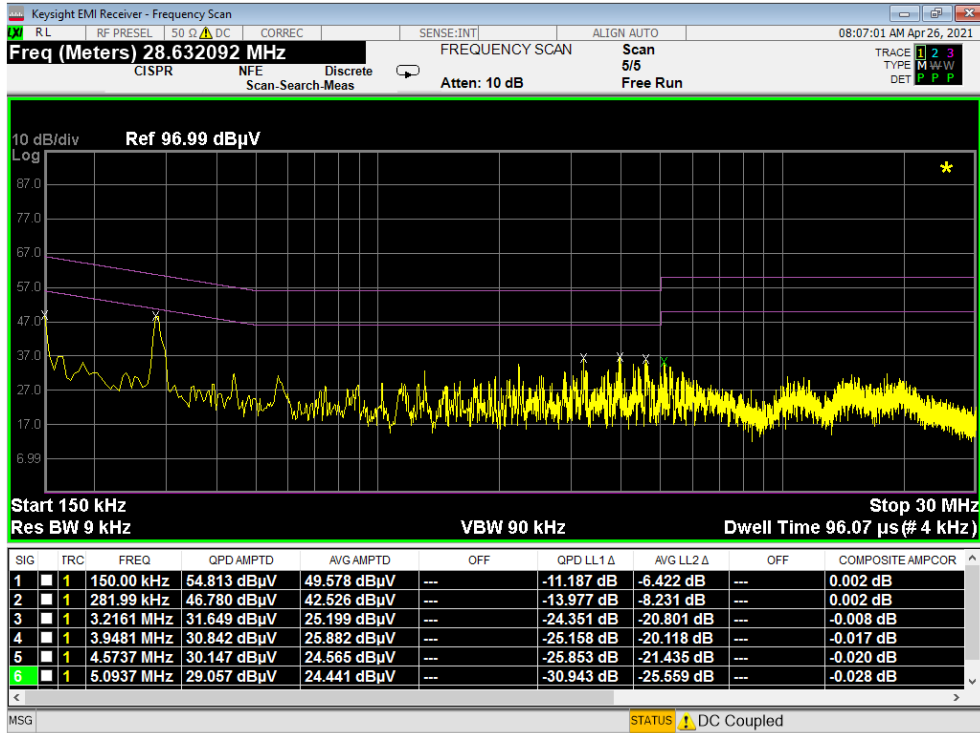


Plot 7-841. Line Conducted Plot with 802.11a UNII Band 1 (L1) - Open

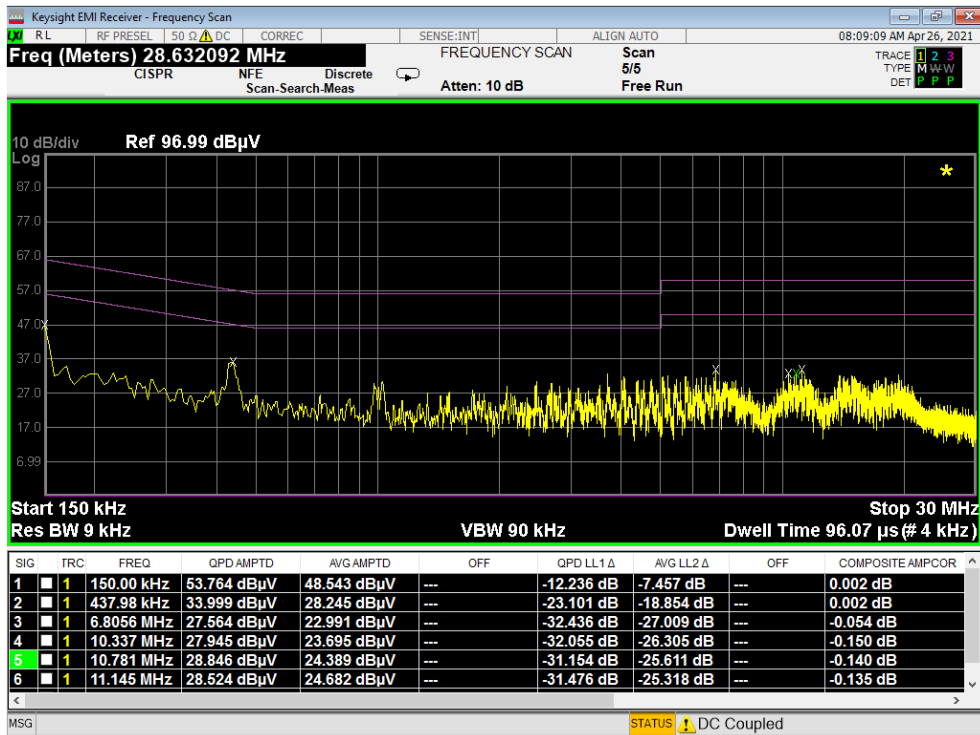


Plot 7-842. Line Conducted Plot with 802.11a UNII Band 1 (N) - Open

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 485 of 509

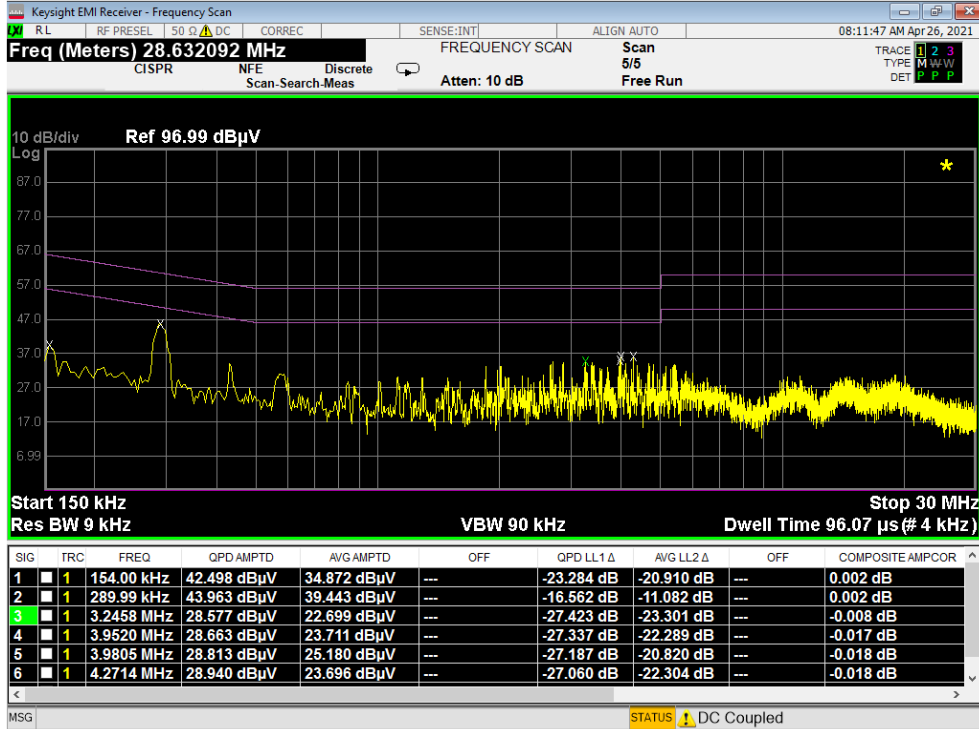


Plot 7-843. Line Conducted Plot with 802.11a UNII Band 2A (L1) - Open

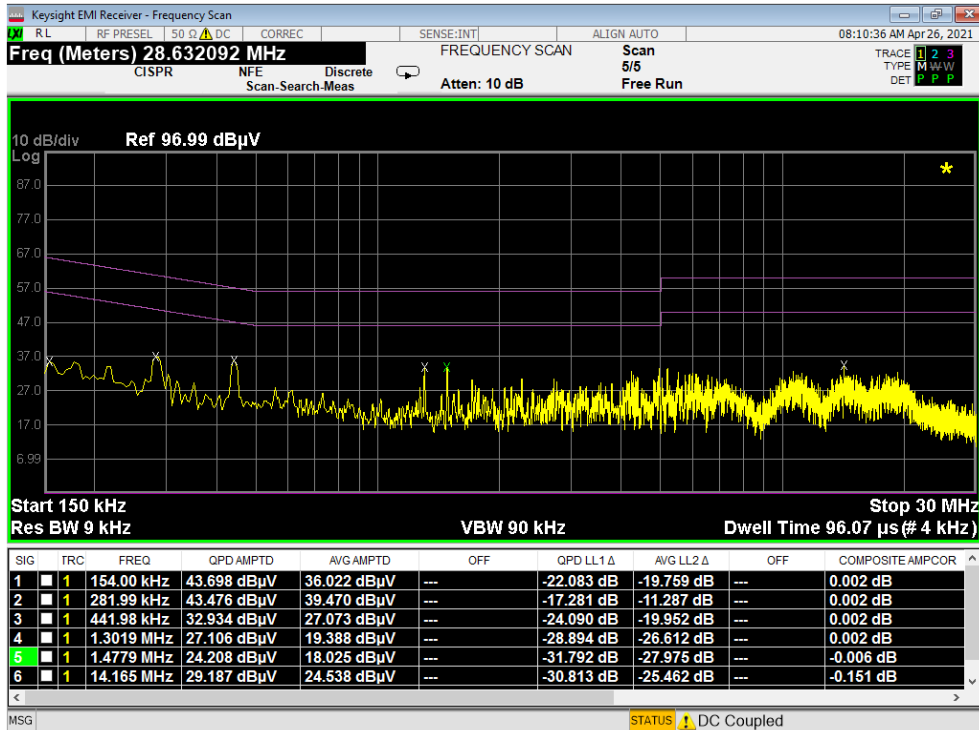


Plot 7-844. Line Conducted Plot with 802.11a UNII Band 2A (N) - Open

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 486 of 509

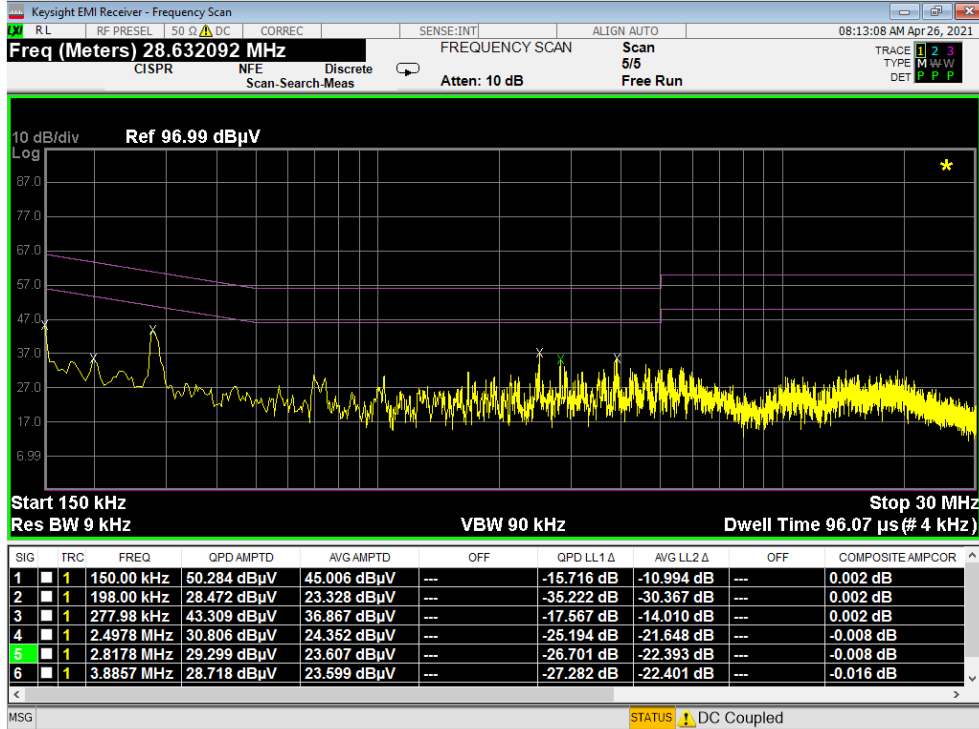


Plot 7-845. Line Conducted Plot with 802.11a UNII Band 2C (L1) - Open

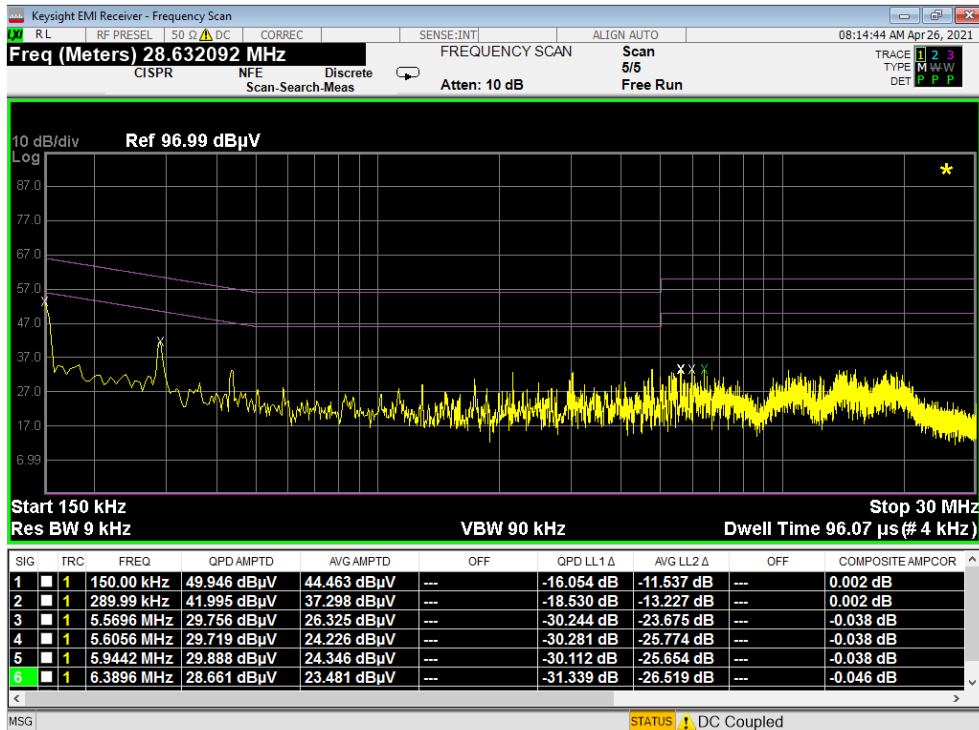


Plot 7-846. Line Conducted Plot with 802.11a UNII Band 2C (N) - Open

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 487 of 509

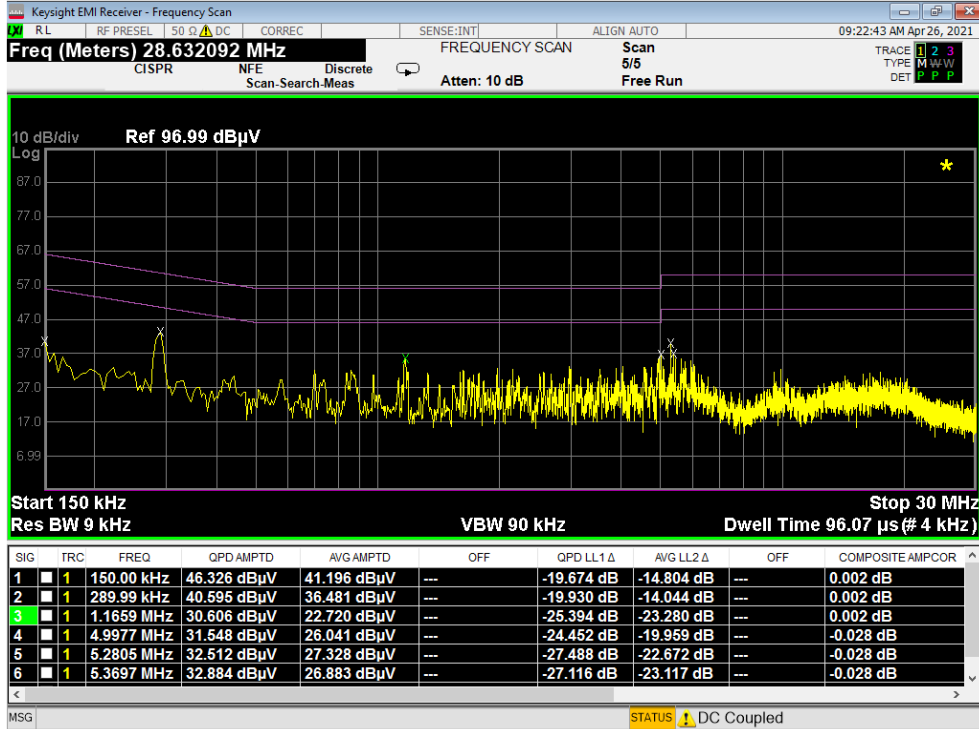


Plot 7-847. Line Conducted Plot with 802.11a UNII Band 3 (L1) - Open

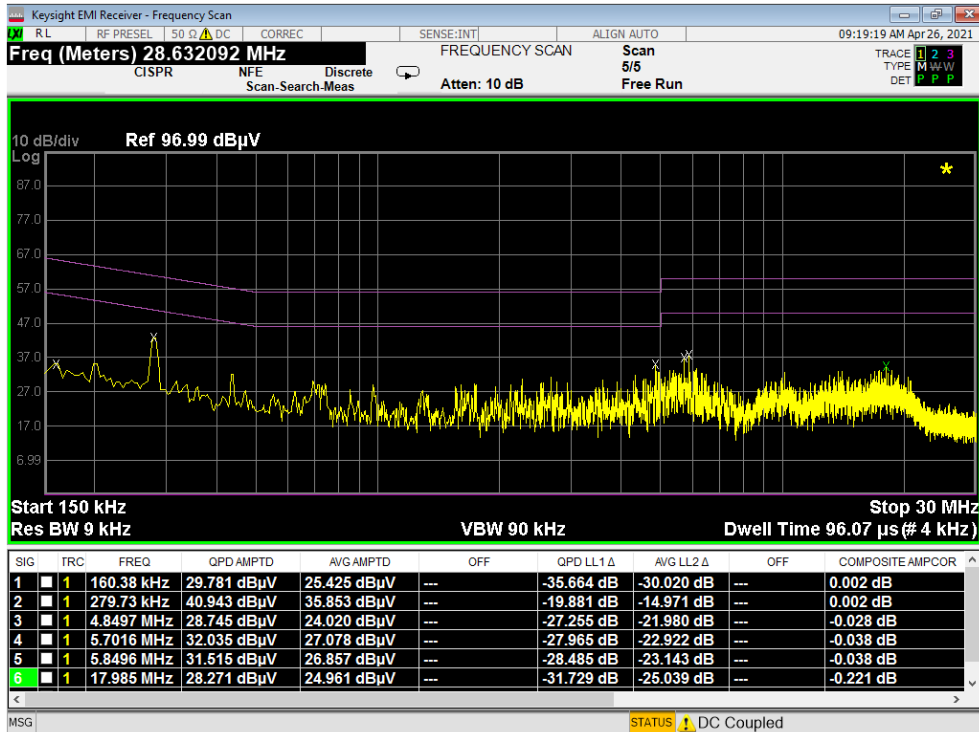


Plot 7-848. Line Conducted Plot with 802.11a UNII Band 3 (N) - Open

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 488 of 509

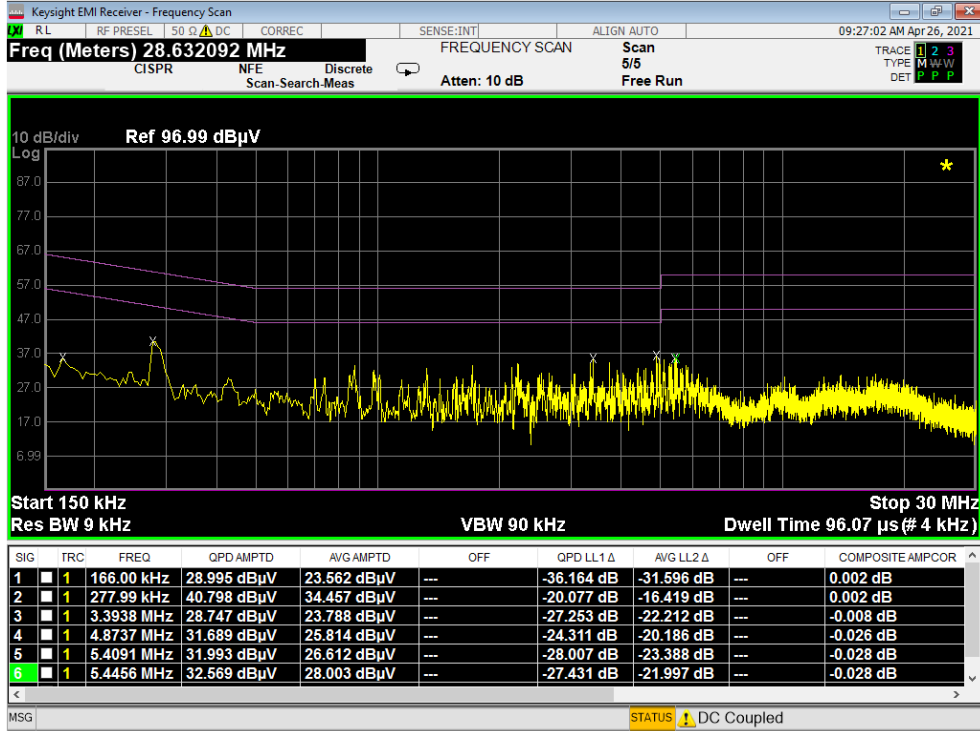


Plot 7-849. Line Conducted Plot with 802.11a UNII Band 1 (L1) - Closed

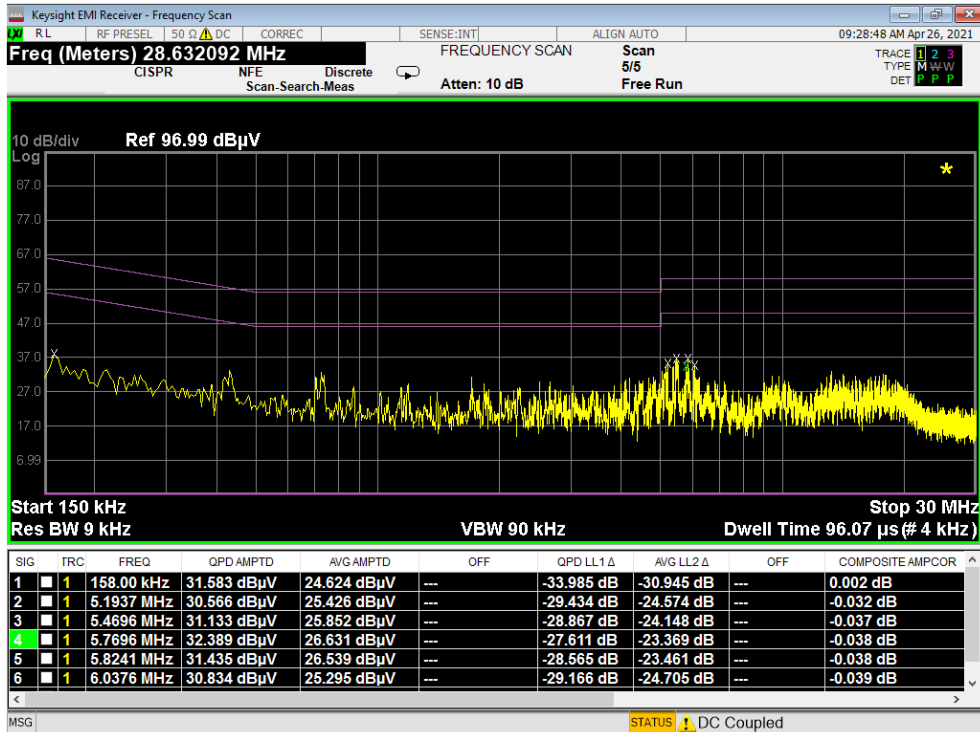


Plot 7-850. Line Conducted Plot with 802.11a UNII Band 1 (N) - Closed

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 489 of 509

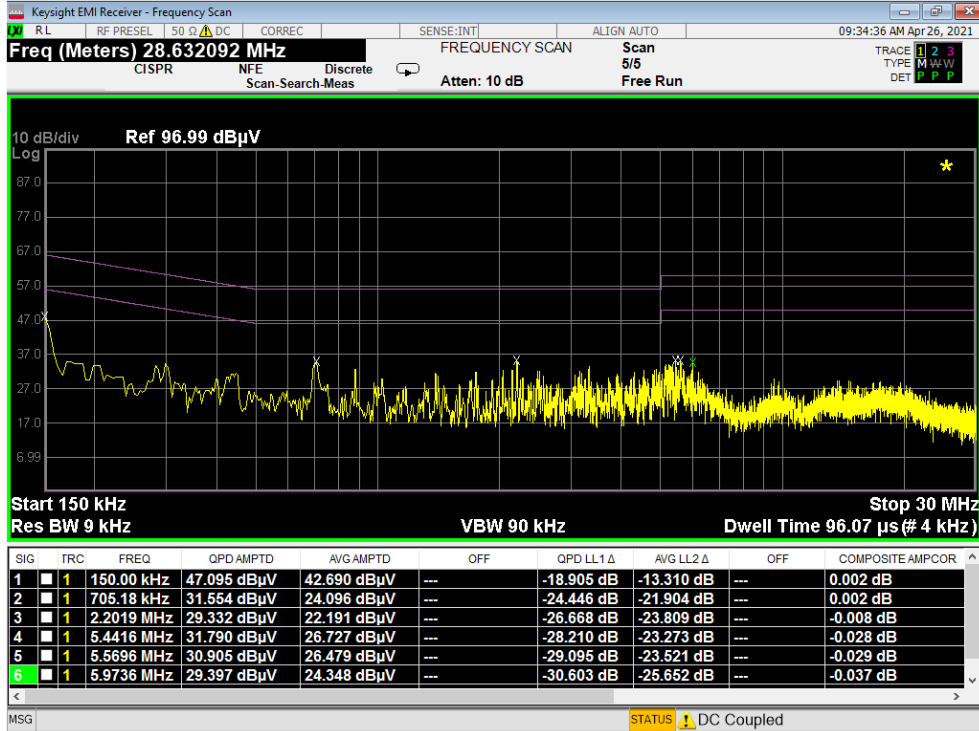


Plot 7-851. Line Conducted Plot with 802.11a UNII Band 2A (L1) - Closed

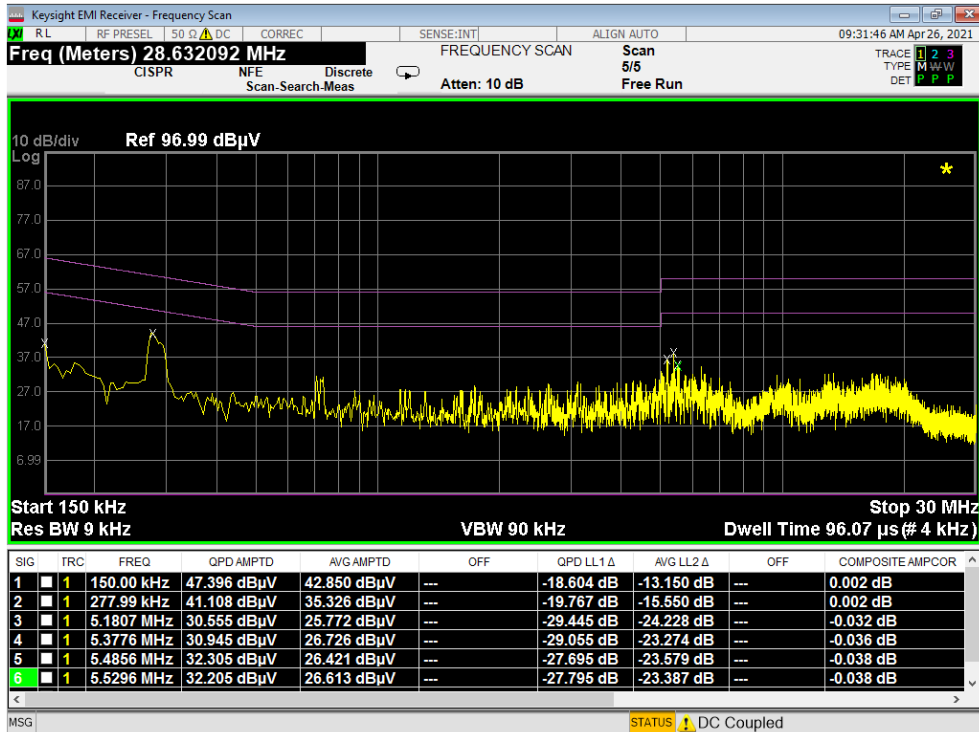


Plot 7-852. Line Conducted Plot with 802.11a UNII Band 2A (N) - Closed

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 490 of 509

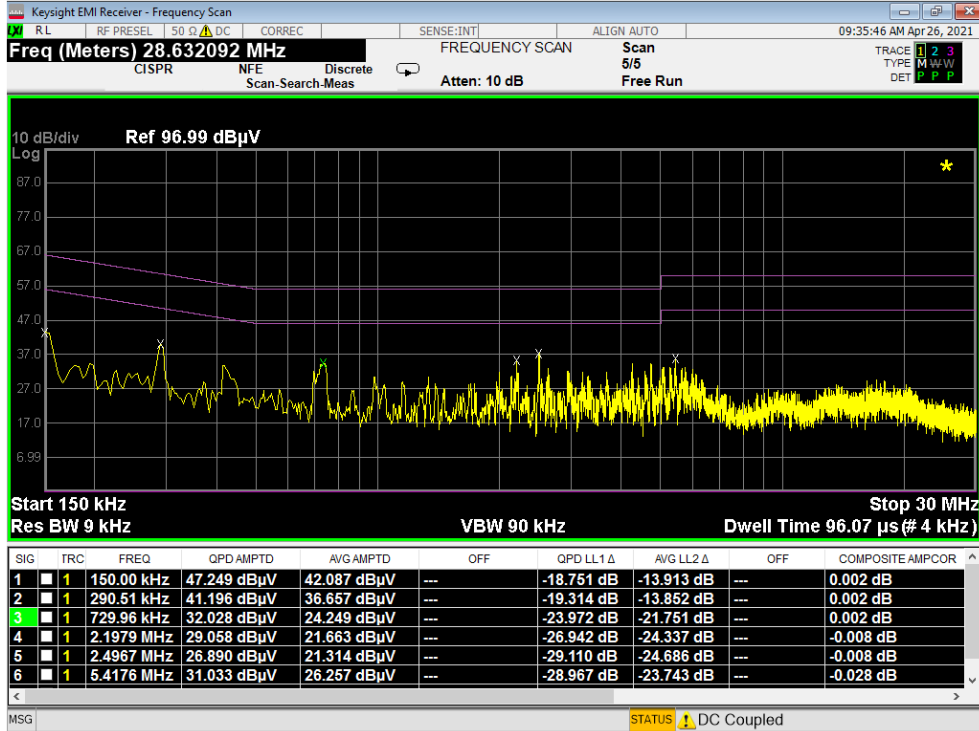


Plot 7-853. Line Conducted Plot with 802.11a UNII Band 2C (L1) - Closed

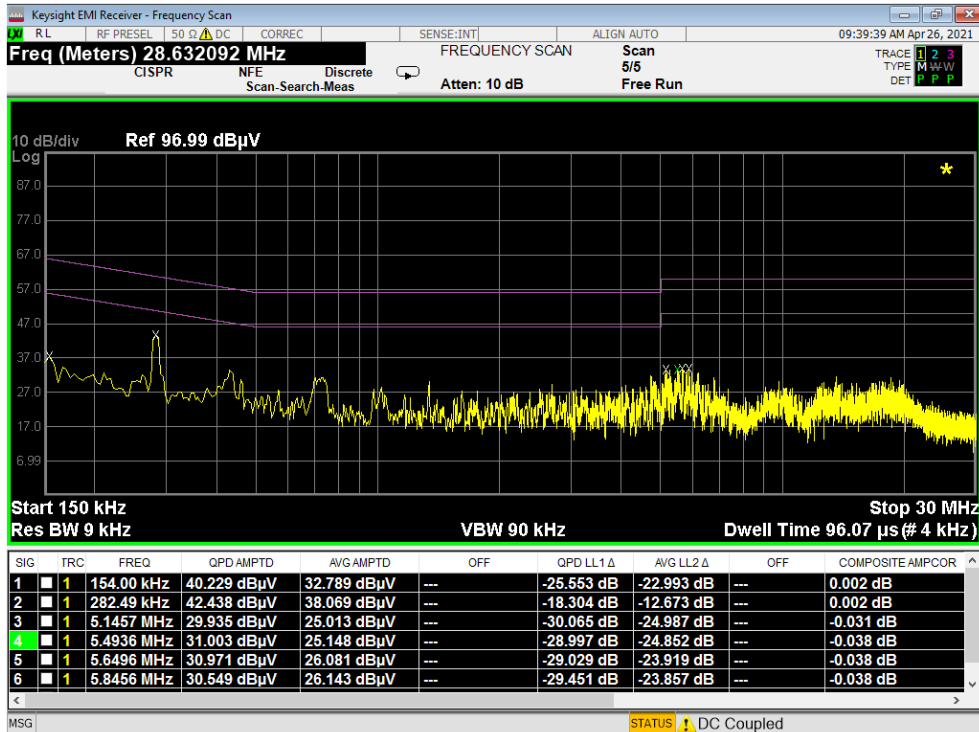


Plot 7-854. Line Conducted Plot with 802.11a UNII Band 2C (N) - Closed

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 491 of 509

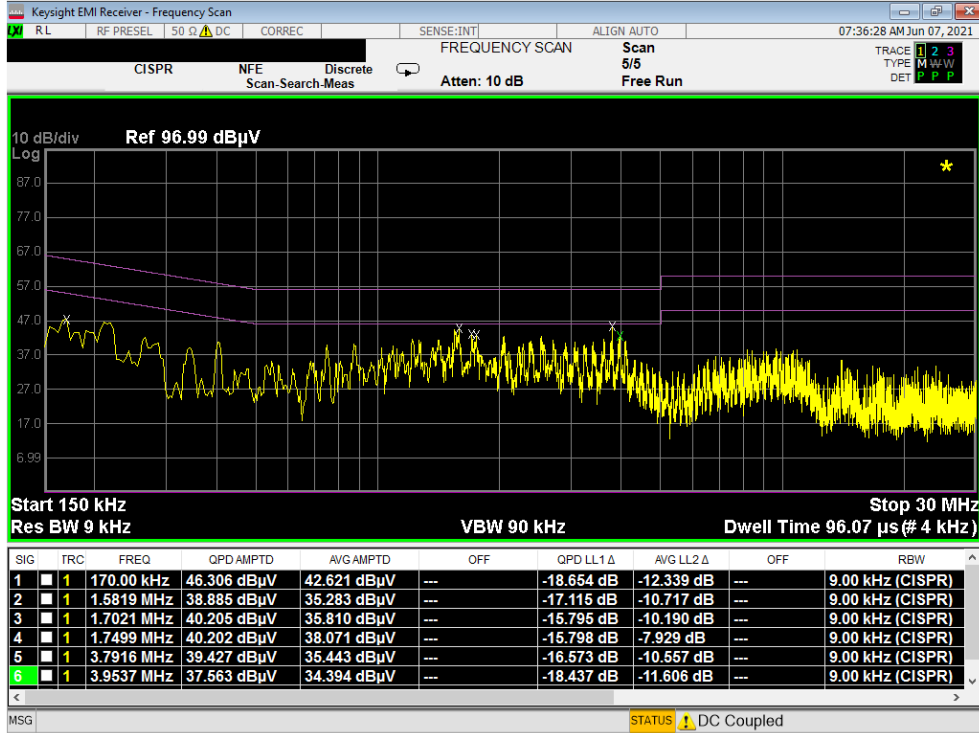


Plot 7-855. Line Conducted Plot with 802.11a UNII Band 3 (L1) - Closed

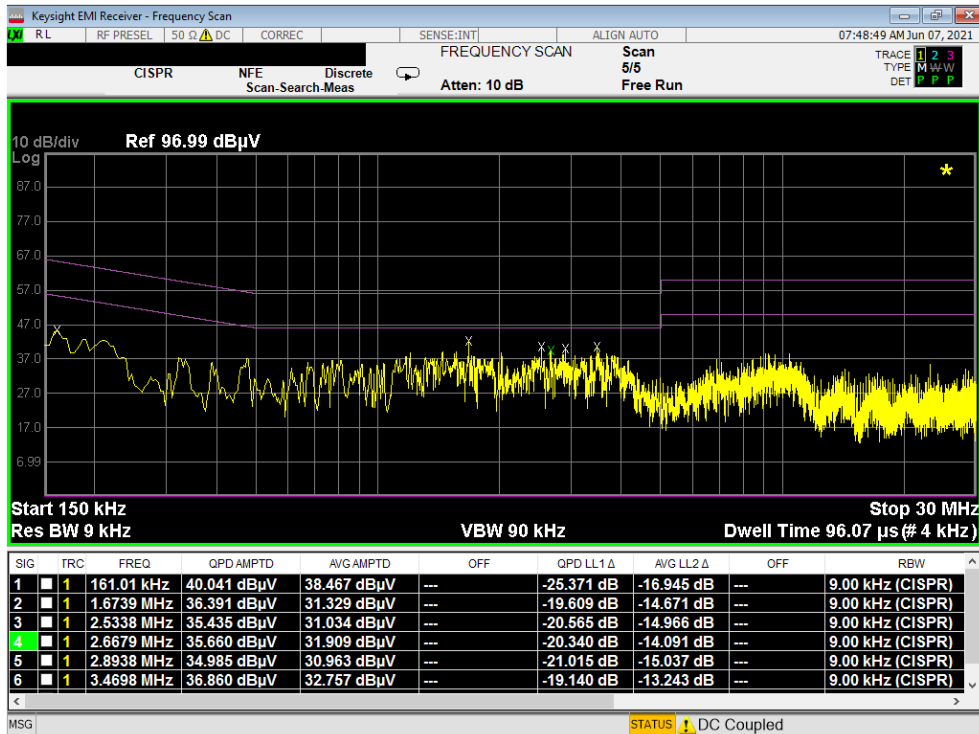


Plot 7-856. Line Conducted Plot with 802.11a UNII Band 3 (N) - Closed

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 492 of 509

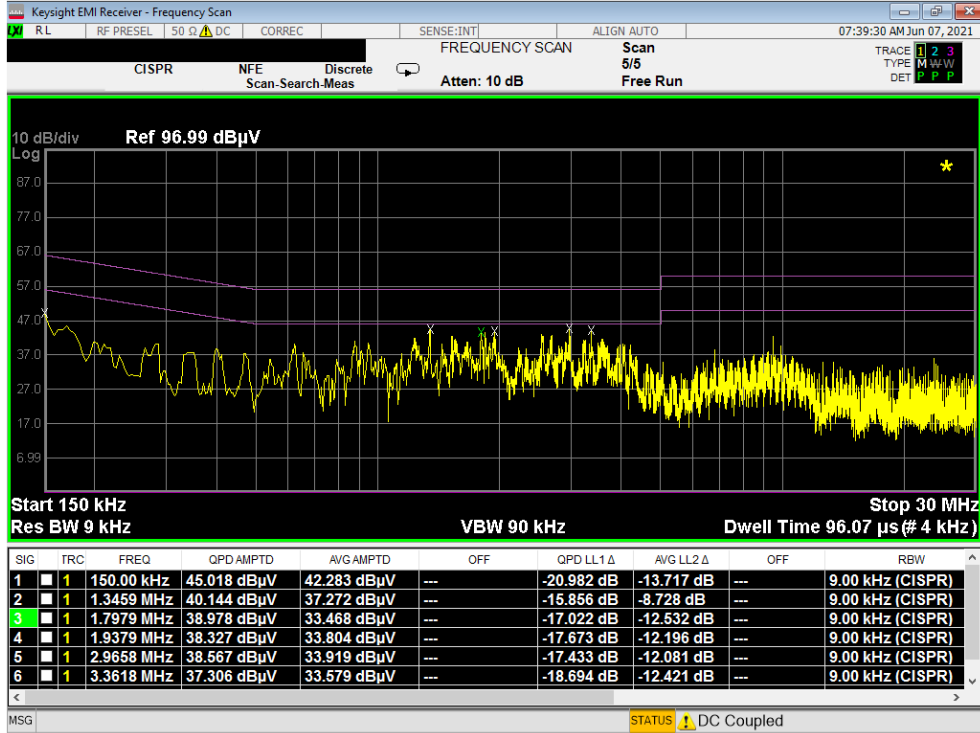


Plot 7-857. Line Conducted Plot with 802.11a UNII Band 1 (L1) with WCP

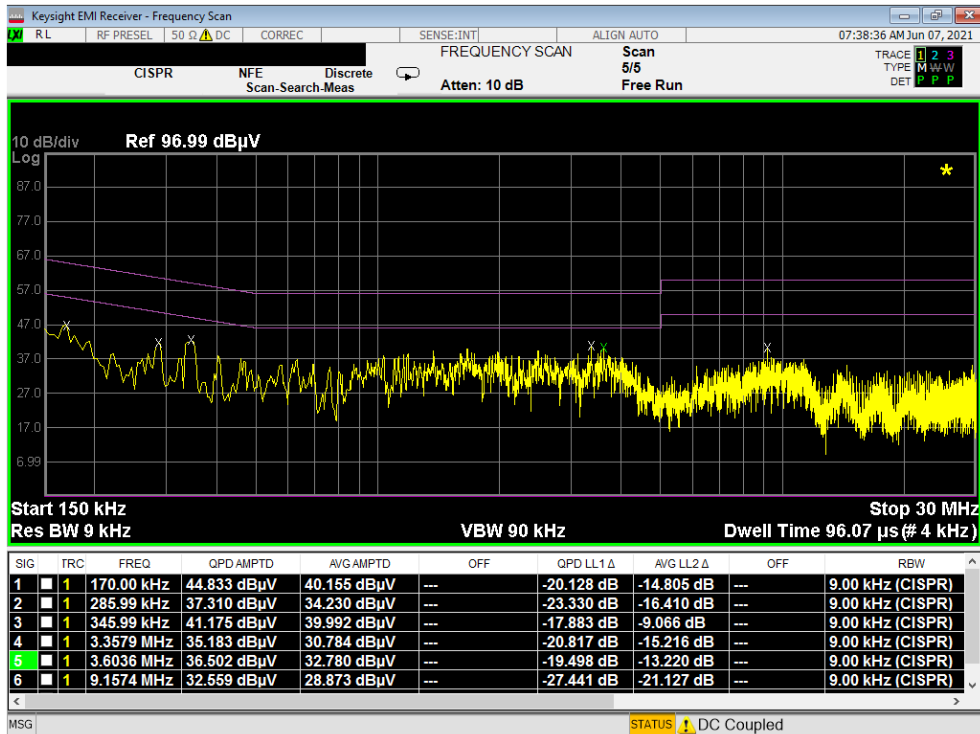


Plot 7-858. Line Conducted Plot with 802.11a UNII Band 1 (N) with WCP

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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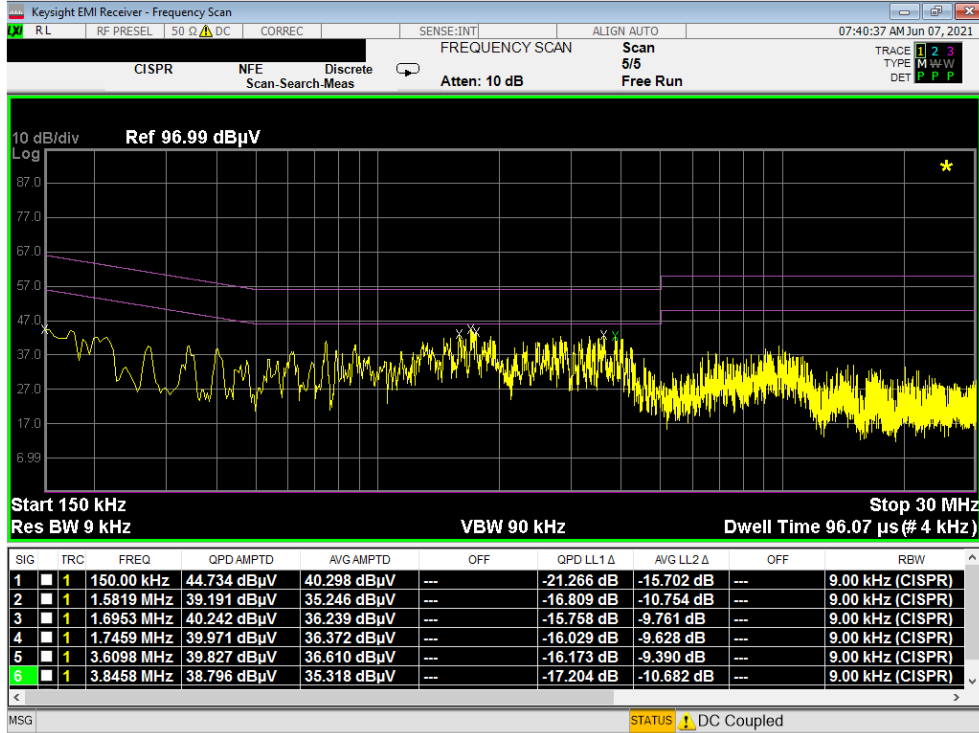


Plot 7-859. Line Conducted Plot with 802.11a UNII Band 2A (L1) with WCP

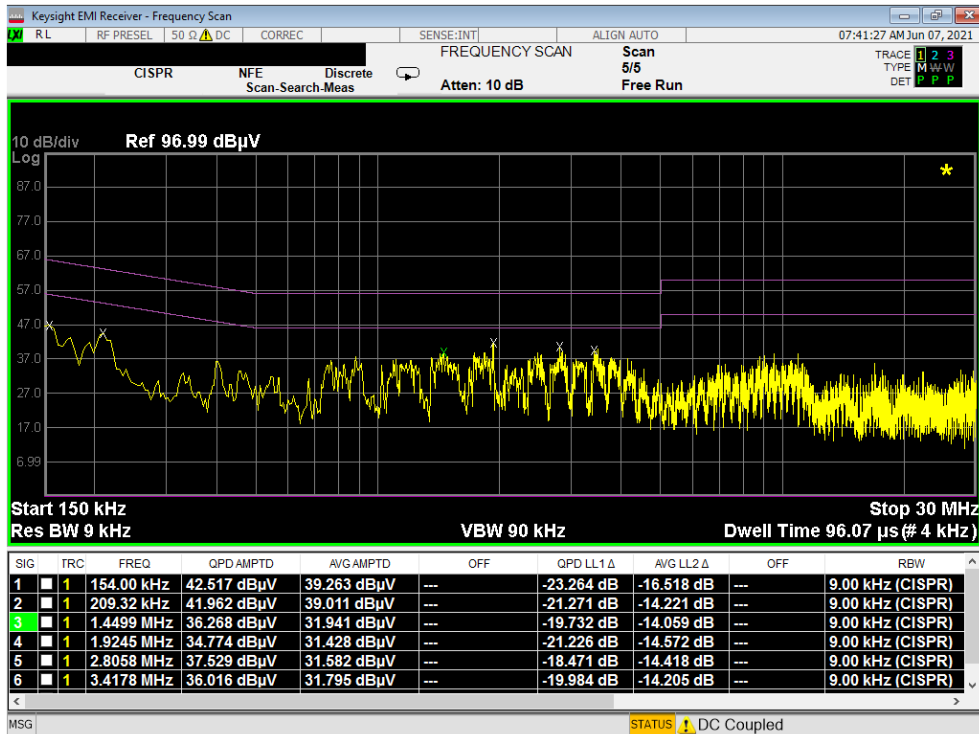


Plot 7-860. Line Conducted Plot with 802.11a UNII Band 2A (N) with WCP

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 494 of 509

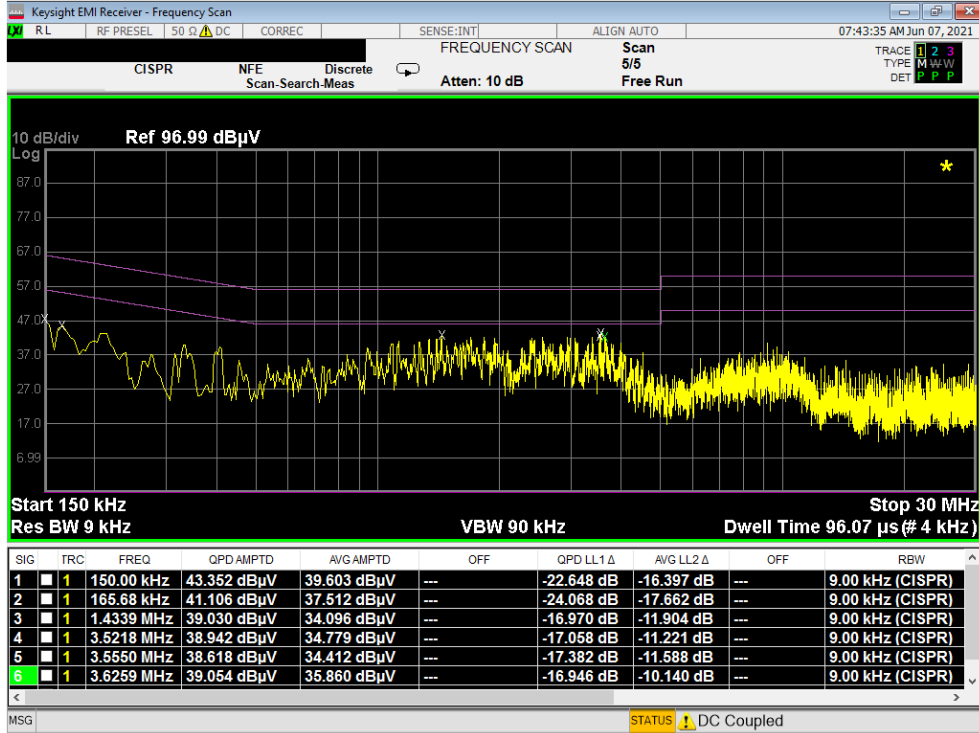


Plot 7-861. Line Conducted Plot with 802.11a UNII Band 2C (L1) with WCP

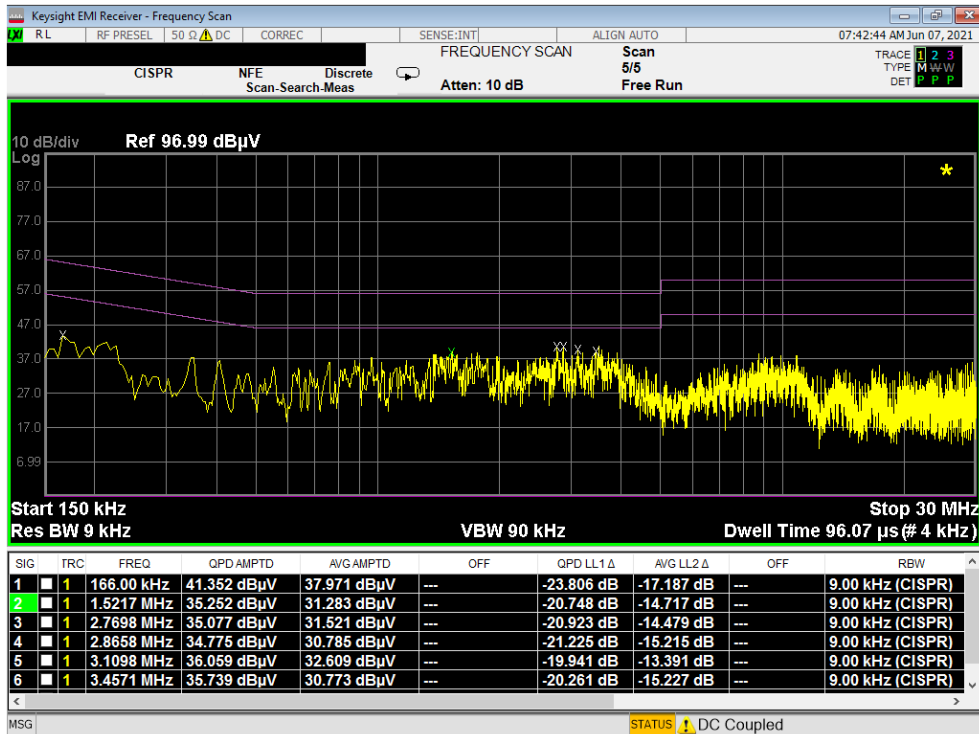


Plot 7-862. Line Conducted Plot with 802.11a UNII Band 2C (N) with WCP

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 495 of 509



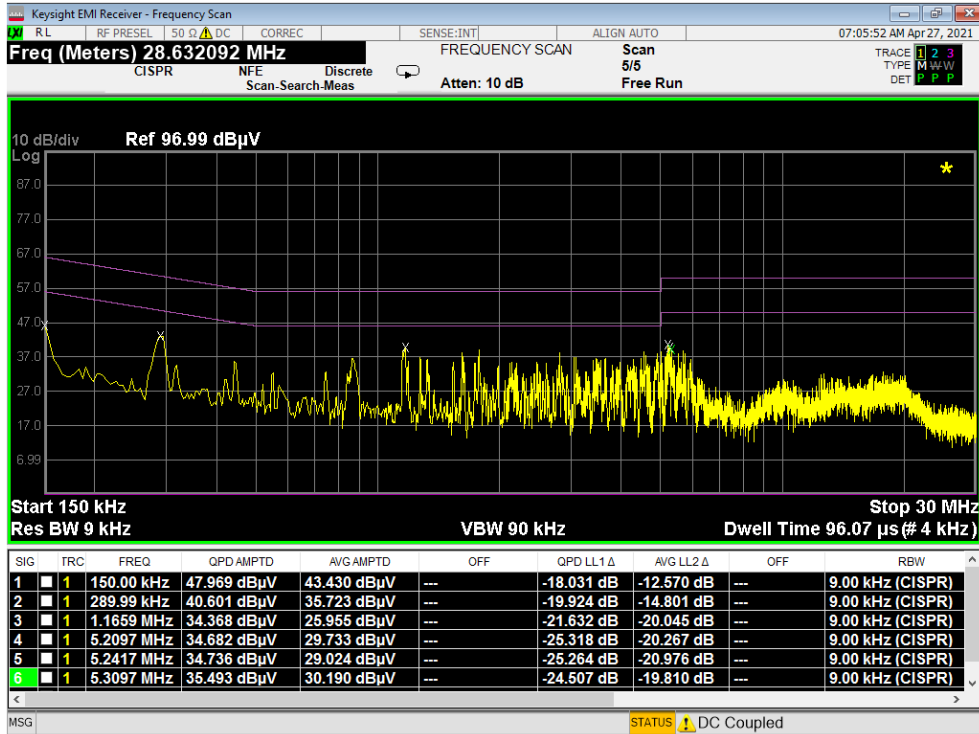
Plot 7-863. Line Conducted Plot with 802.11a UNII Band 3 (L1) with WCP



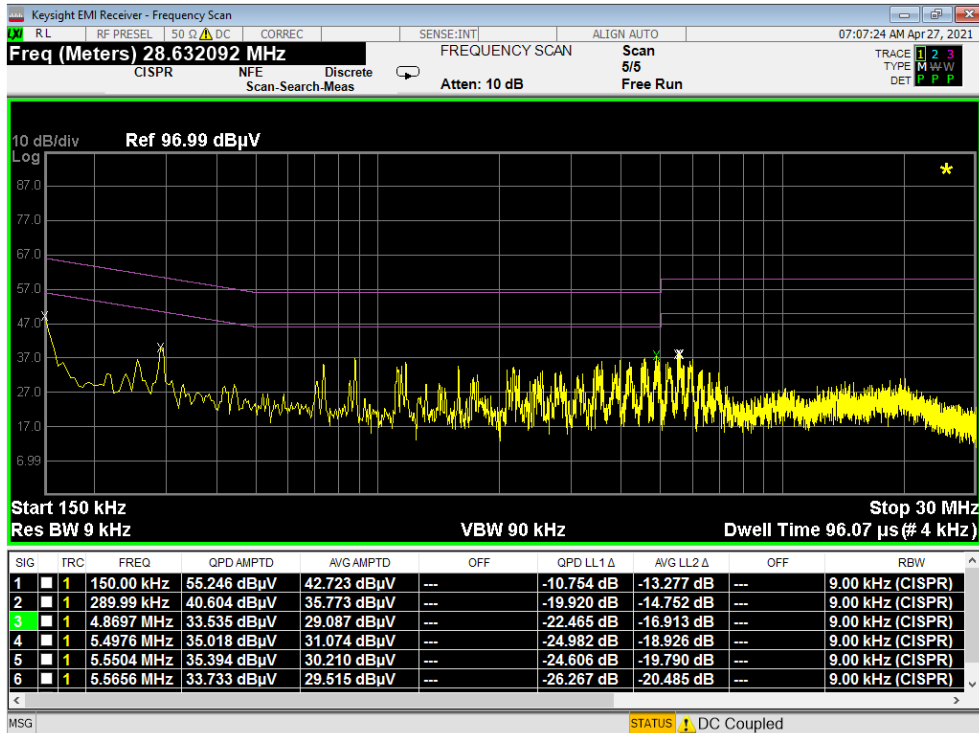
Plot 7-864. Line Conducted Plot with 802.11a UNII Band 3 (N) with WCP

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Line-Conducted Test - Q

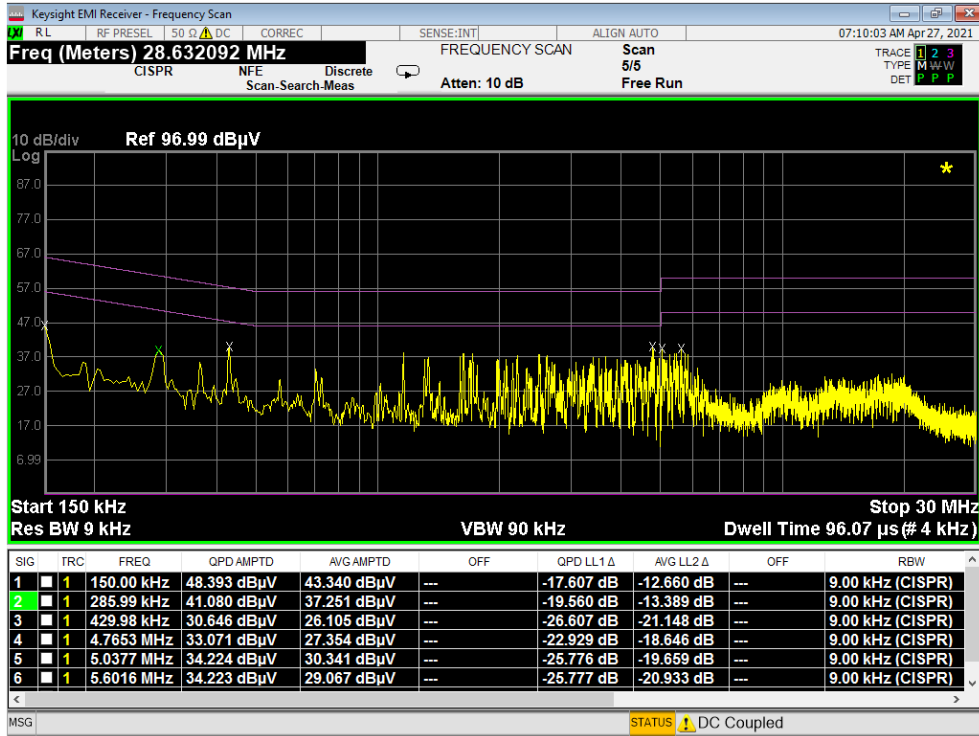


Plot 7-865. Line Conducted Plot with 802.11a UNII Band 1 (L1) - Open

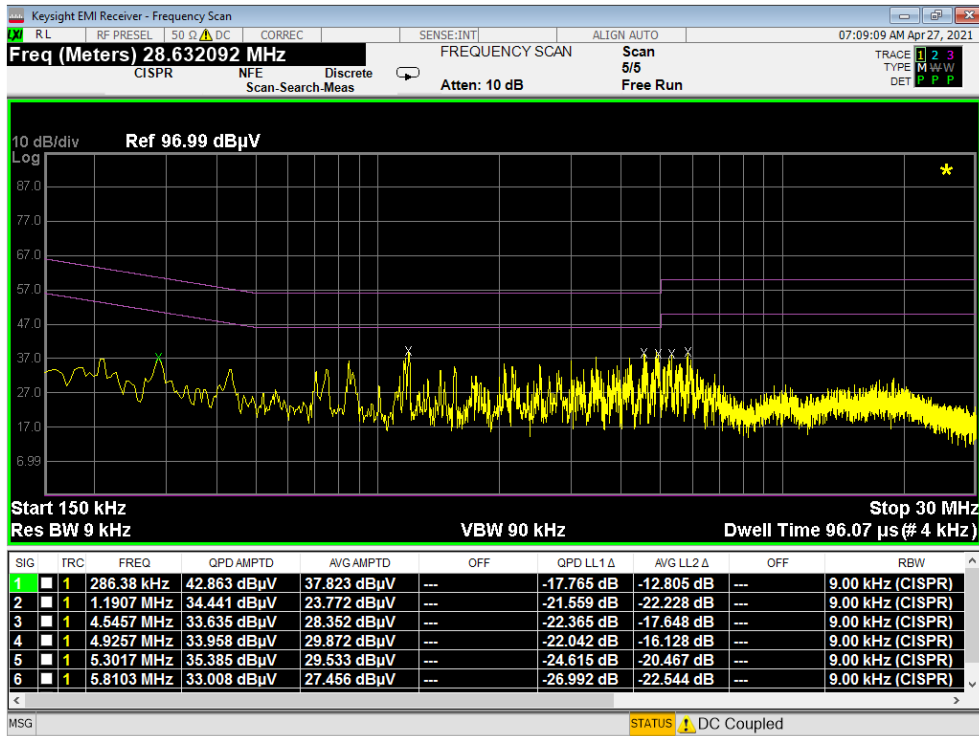


Plot 7-866. Line Conducted Plot with 802.11a UNII Band 1 (N) - Open

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 497 of 509

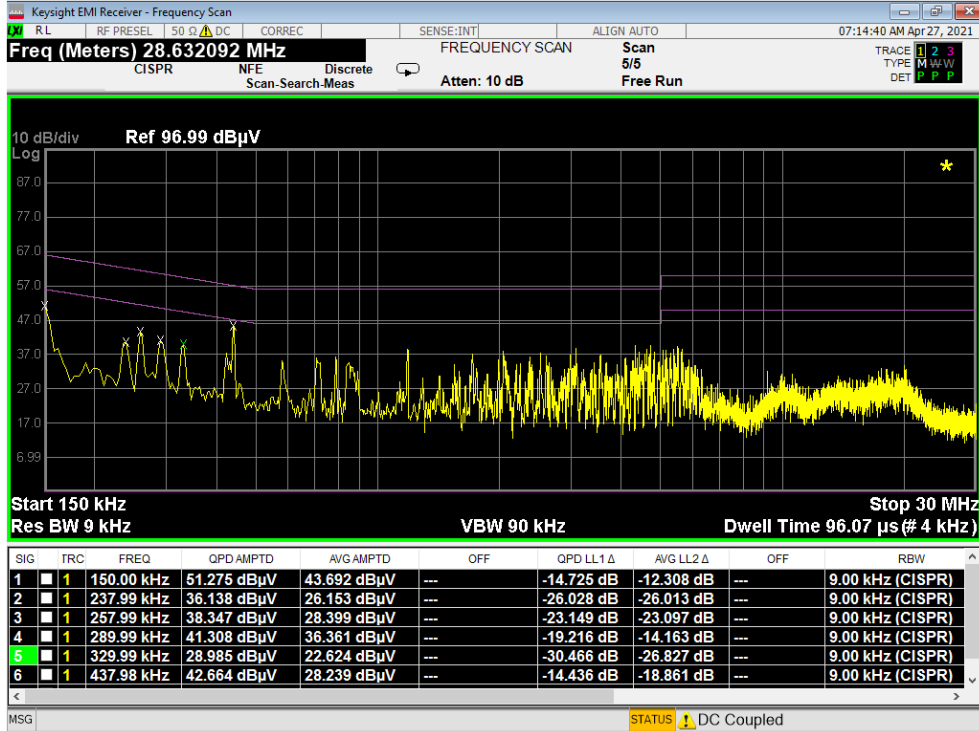


Plot 7-867. Line Conducted Plot with 802.11a UNII Band 2A (L1) - Open

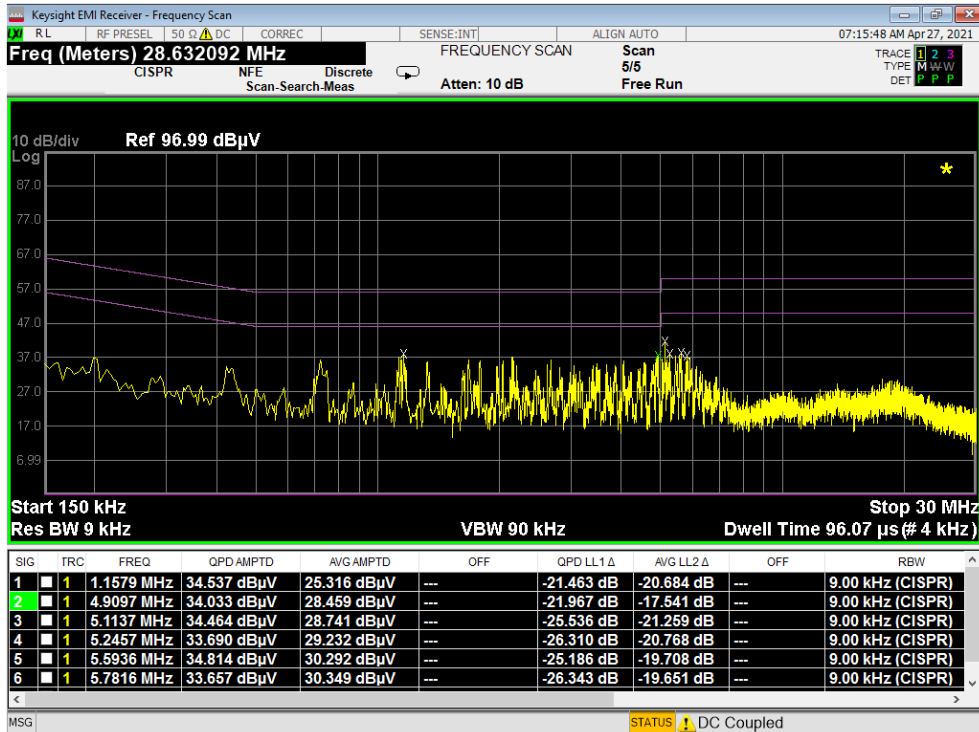


Plot 7-868. Line Conducted Plot with 802.11a UNII Band 2A (N) - Open

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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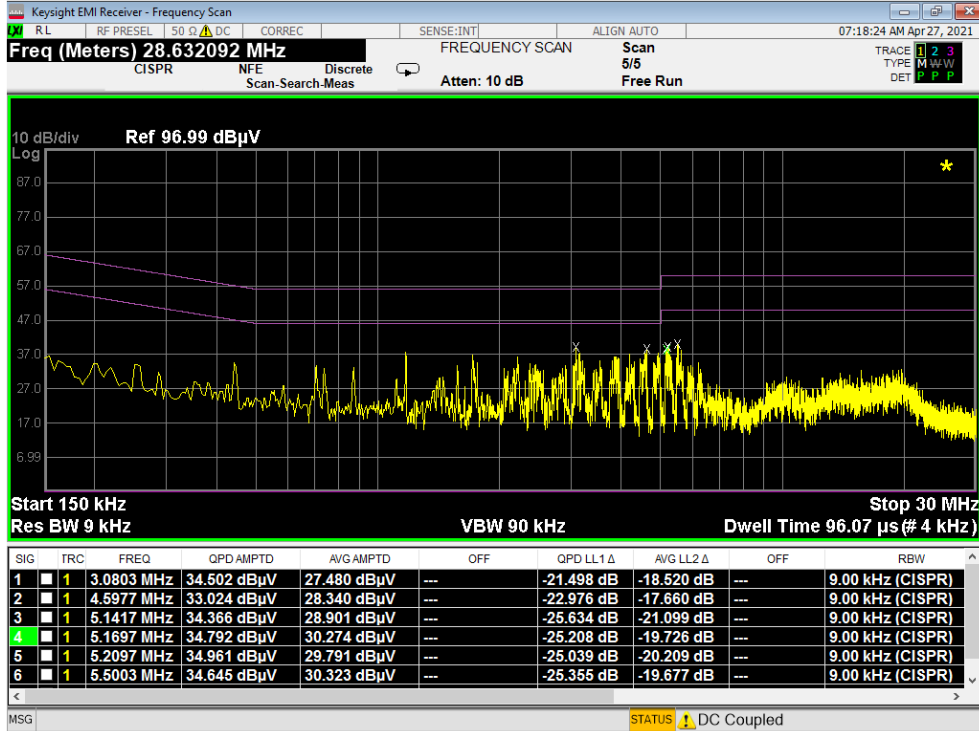


Plot 7-869. Line Conducted Plot with 802.11a UNII Band 2C (L1) - Open

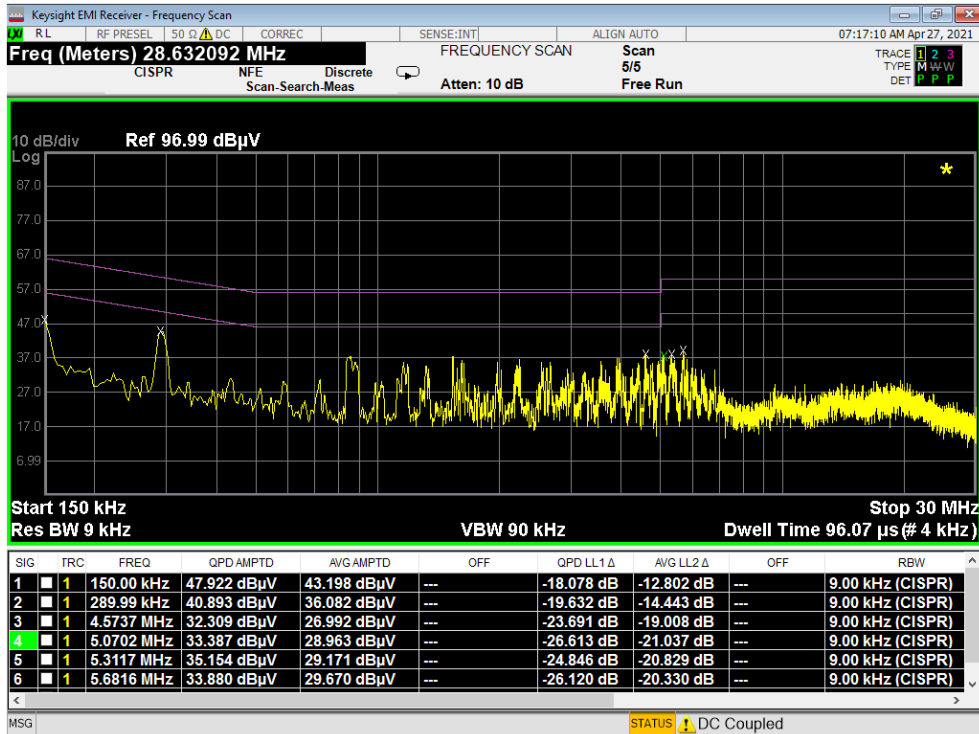


Plot 7-870. Line Conducted Plot with 802.11a UNII Band 2C (N) - Open

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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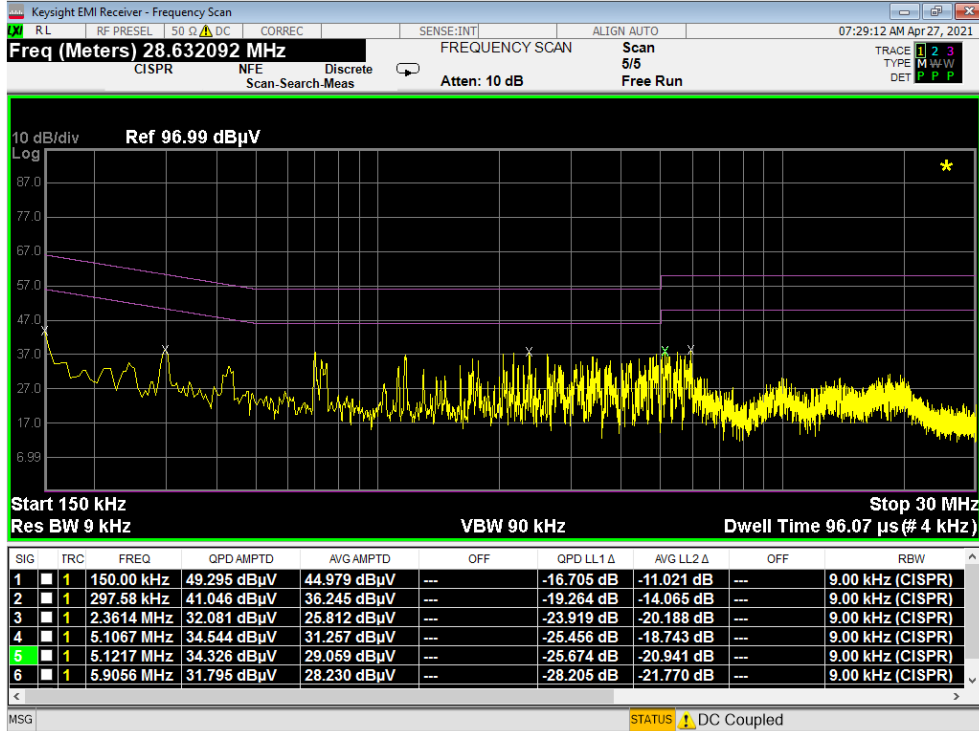


Plot 7-871. Line Conducted Plot with 802.11a UNII Band 3 (L1) - Open

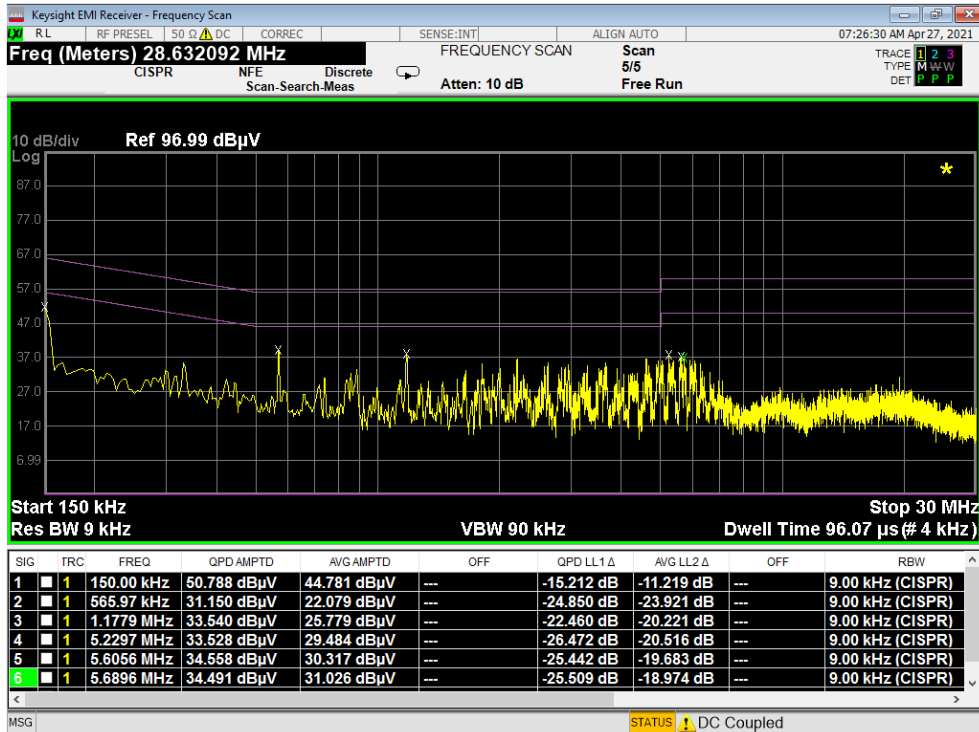


Plot 7-872. Line Conducted Plot with 802.11a UNII Band 3 (N) - Open

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 500 of 509

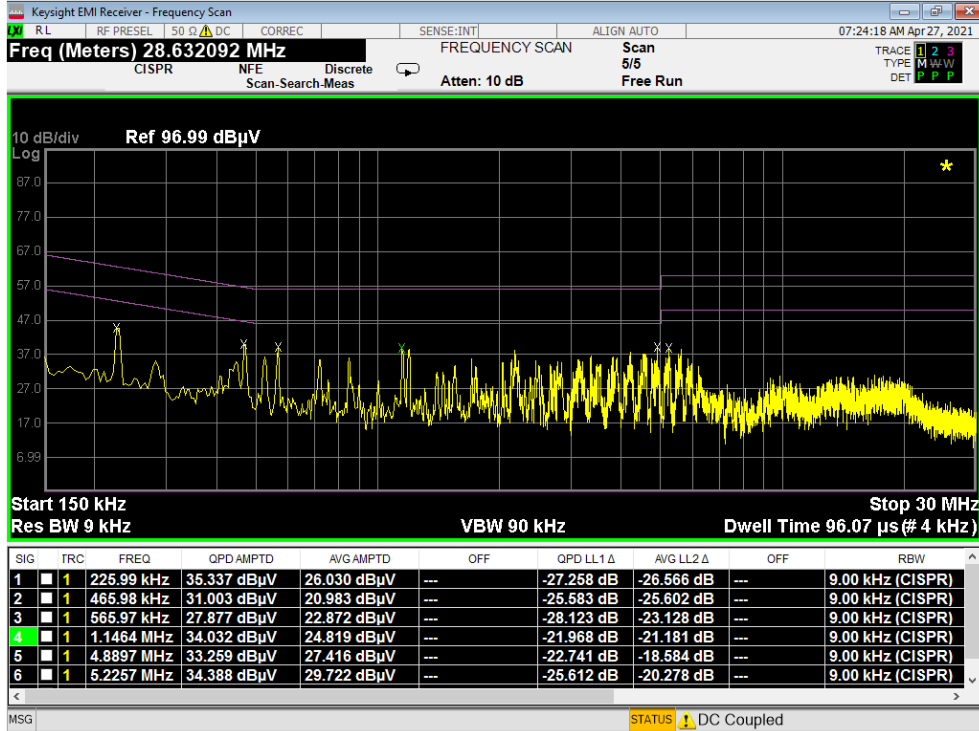


Plot 7-873. Line Conducted Plot with 802.11a UNII Band 1 (L1) - Closed

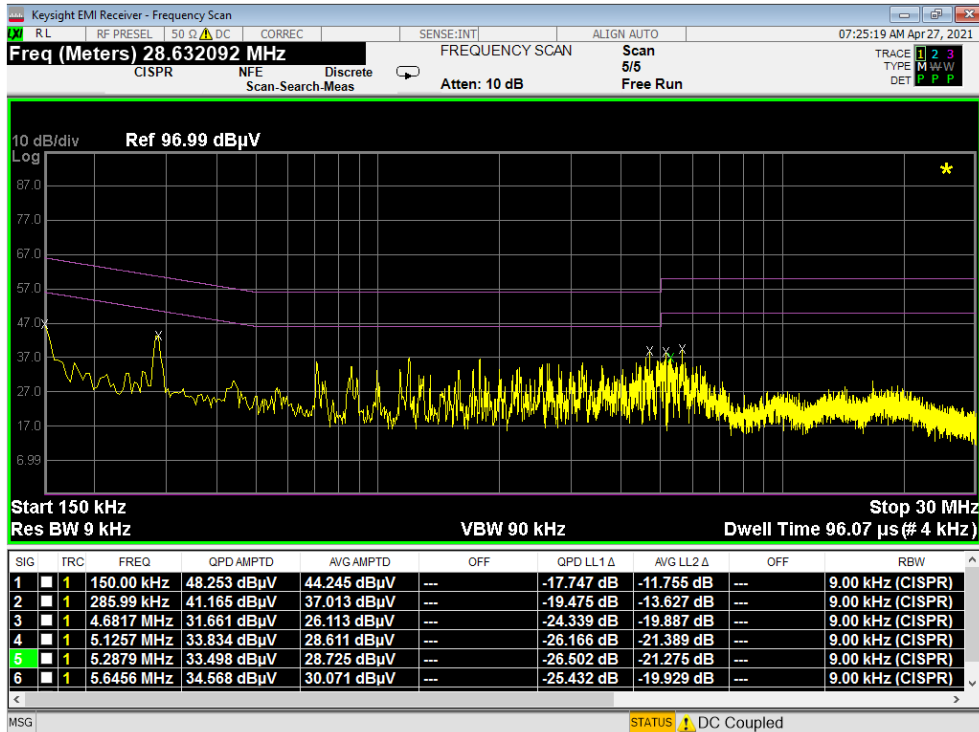


Plot 7-874. Line Conducted Plot with 802.11a UNII Band 1 (N) - Closed

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 501 of 509

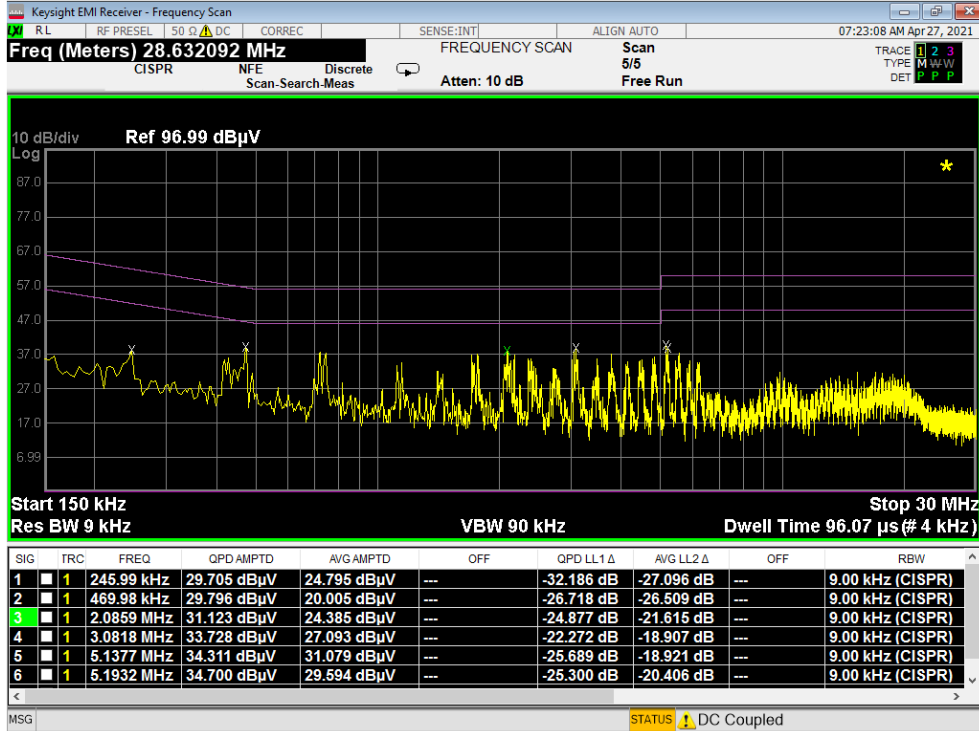


Plot 7-875. Line Conducted Plot with 802.11a UNII Band 2A (L1) - Closed

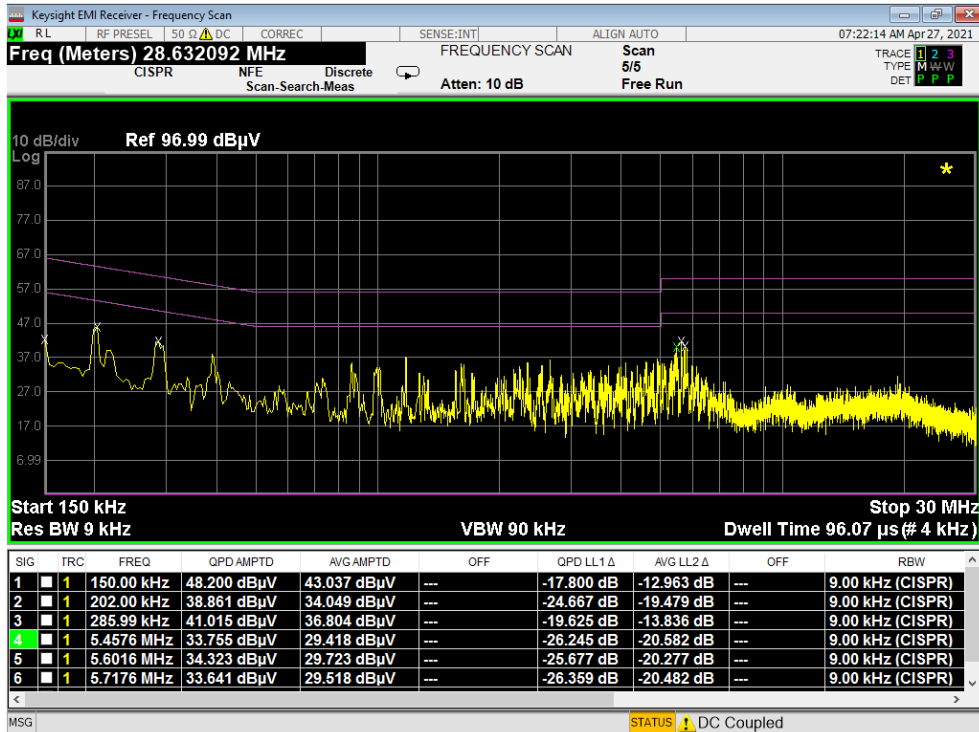


Plot 7-876. Line Conducted Plot with 802.11a UNII Band 2A (N) - Closed

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 502 of 509

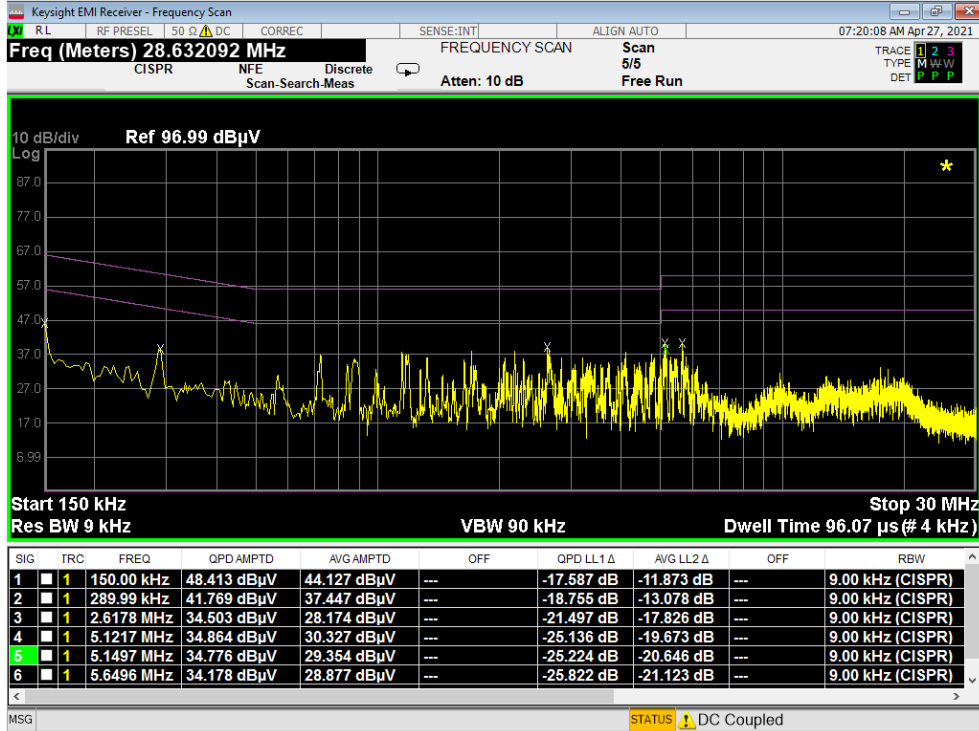


Plot 7-877. Line Conducted Plot with 802.11a UNII Band 2C (L1) - Closed

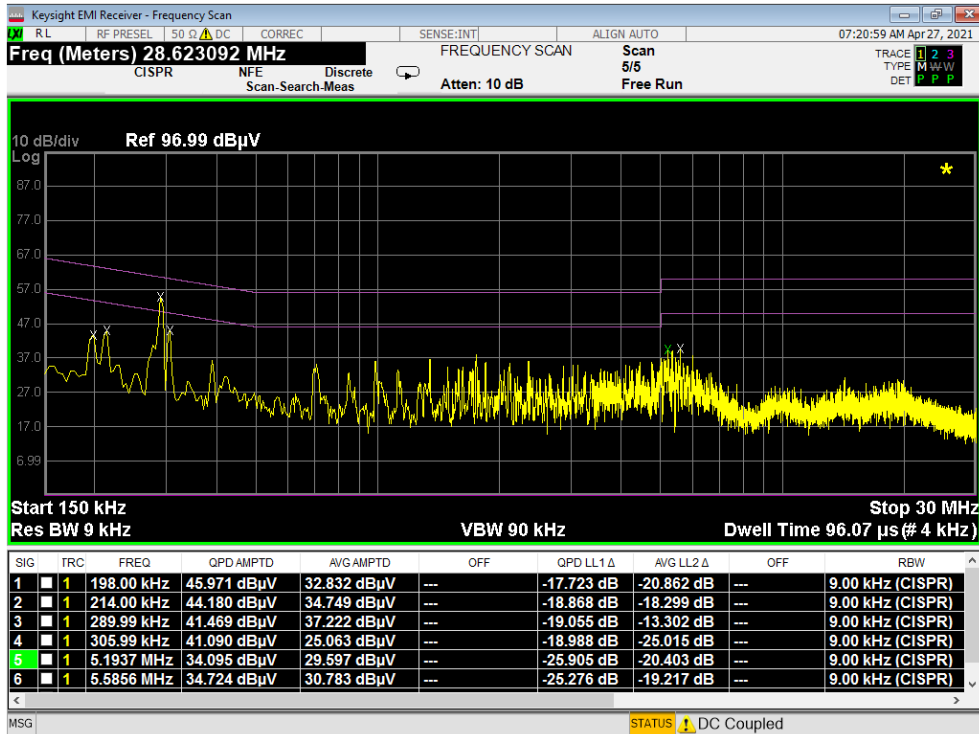


Plot 7-878. Line Conducted Plot with 802.11a UNII Band 2C (N) - Closed

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 503 of 509

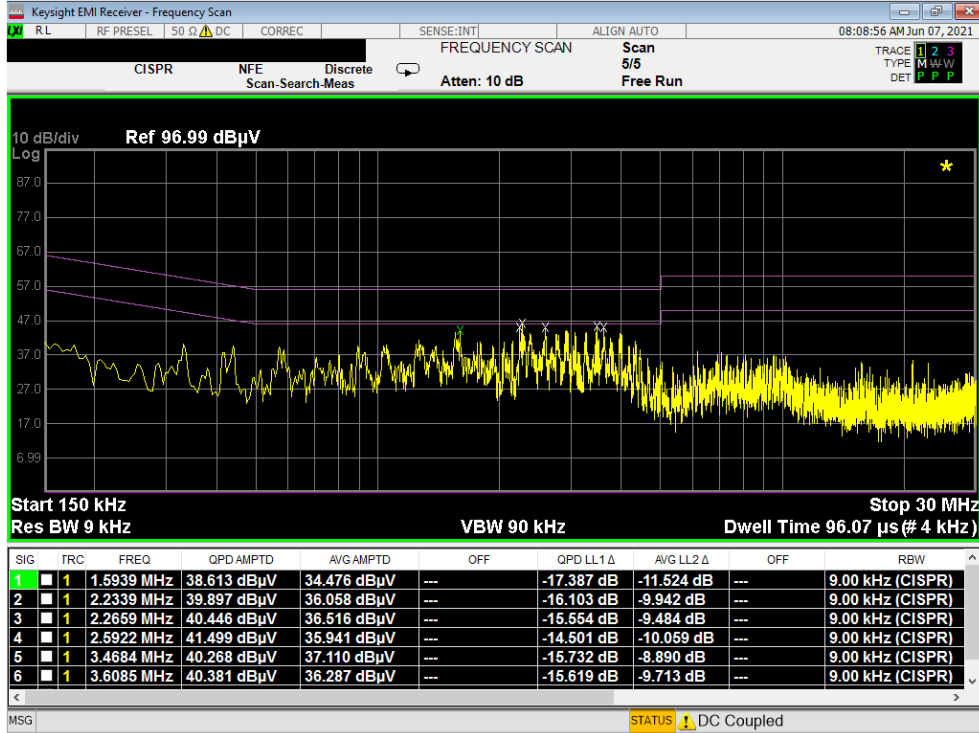


Plot 7-879. Line Conducted Plot with 802.11a UNII Band 3 (L1) - Closed

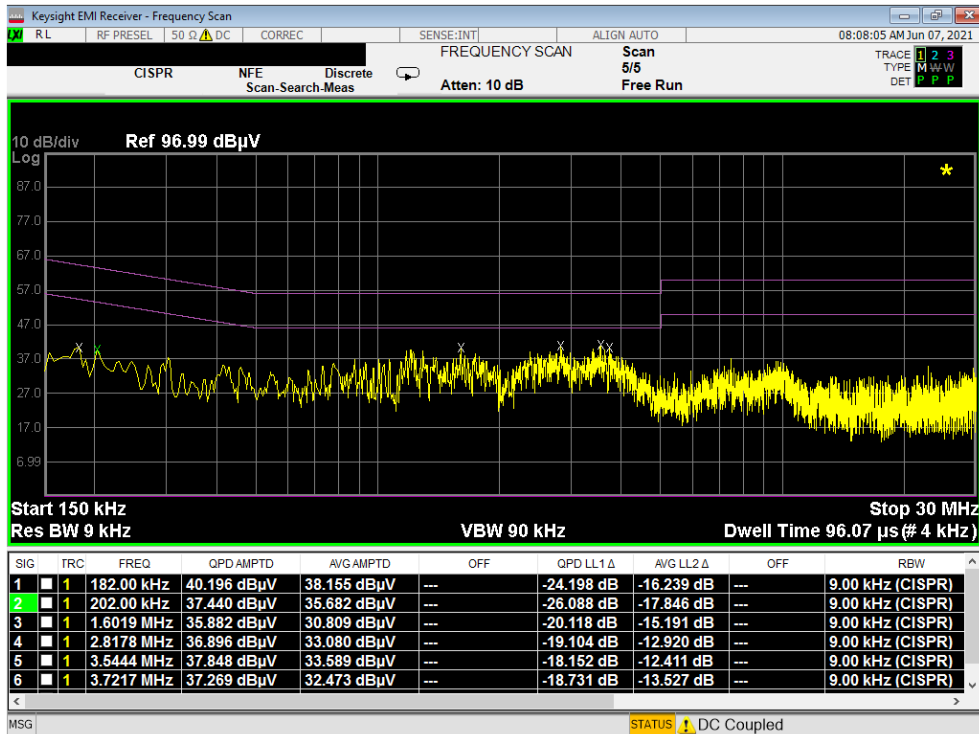


Plot 7-880. Line Conducted Plot with 802.11a UNII Band 3 (N) - Closed

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 504 of 509

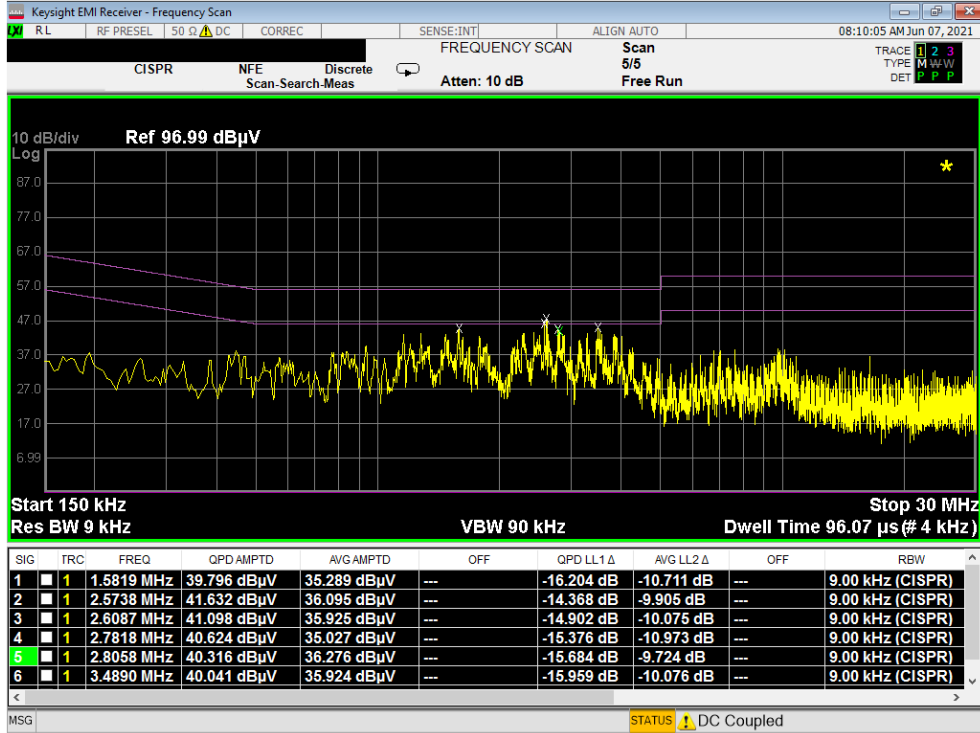


Plot 7-881. Line Conducted Plot with 802.11a UNII Band 1 (L1) with WCP

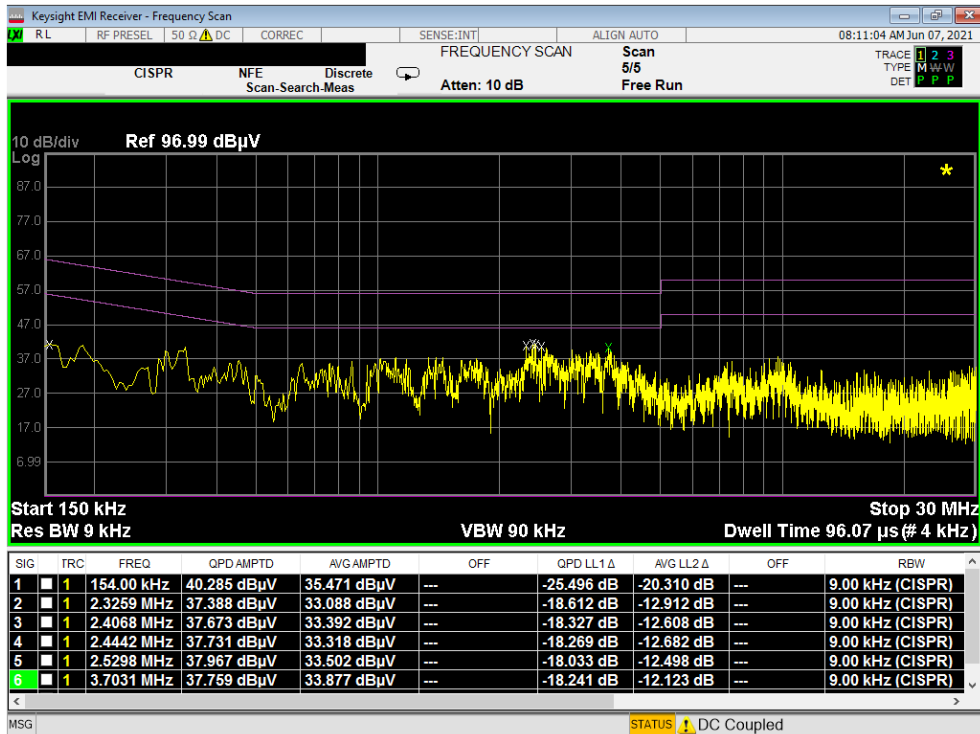


Plot 7-882. Line Conducted Plot with 802.11a UNII Band 1 (N) with WCP

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 505 of 509

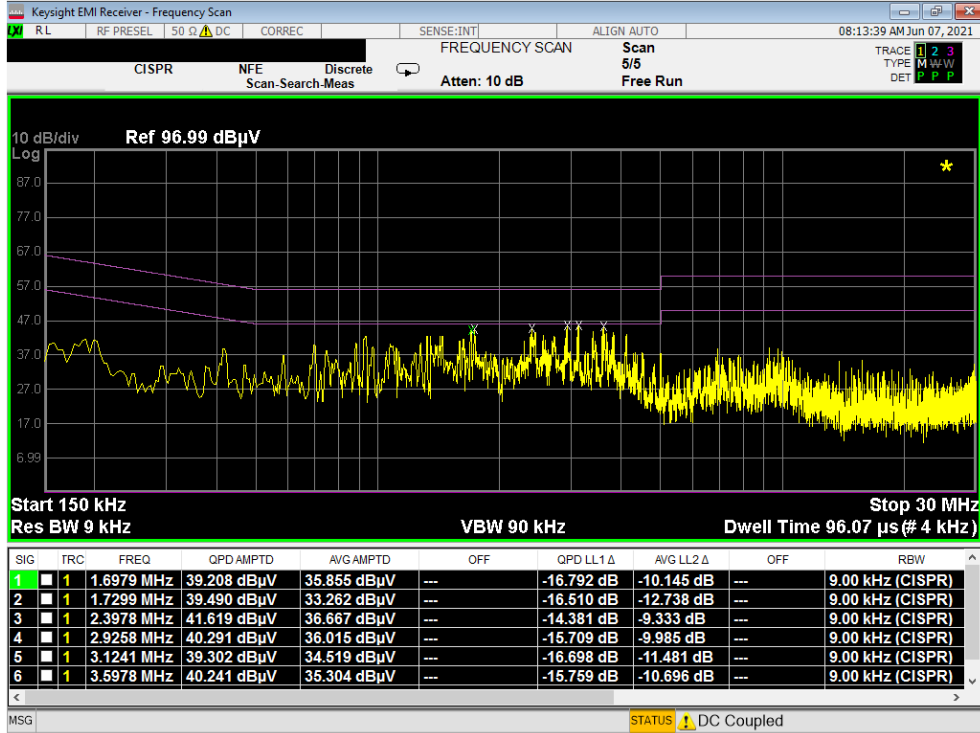


Plot 7-883. Line Conducted Plot with 802.11a UNII Band 2A (L1) with WCP

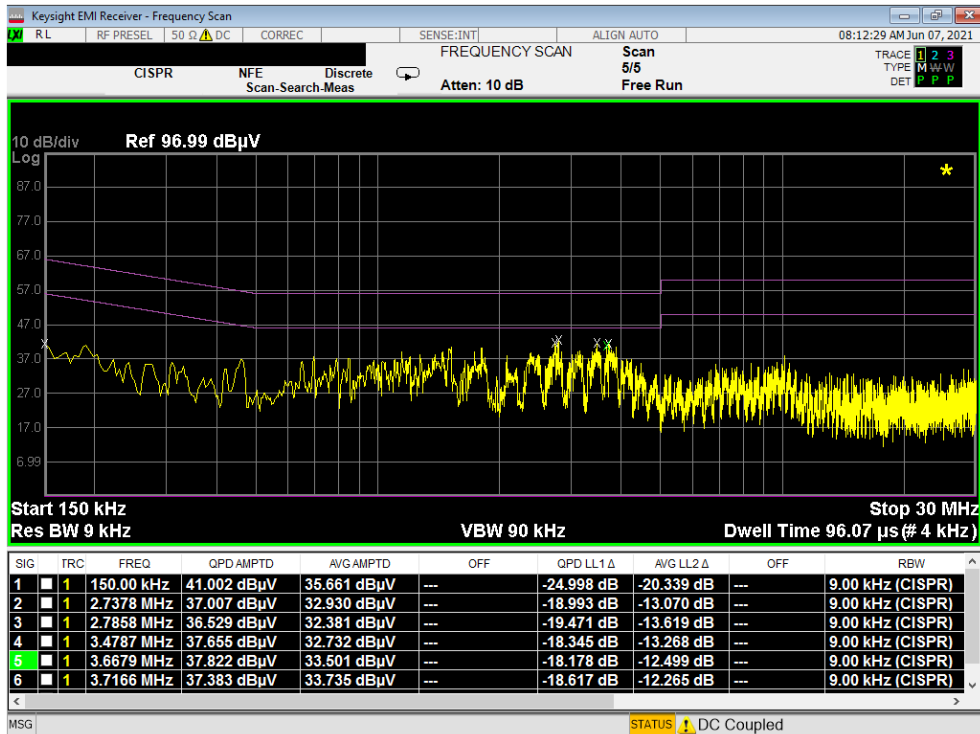


Plot 7-884. Line Conducted Plot with 802.11a UNII Band 2A (N) with WCP

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 506 of 509

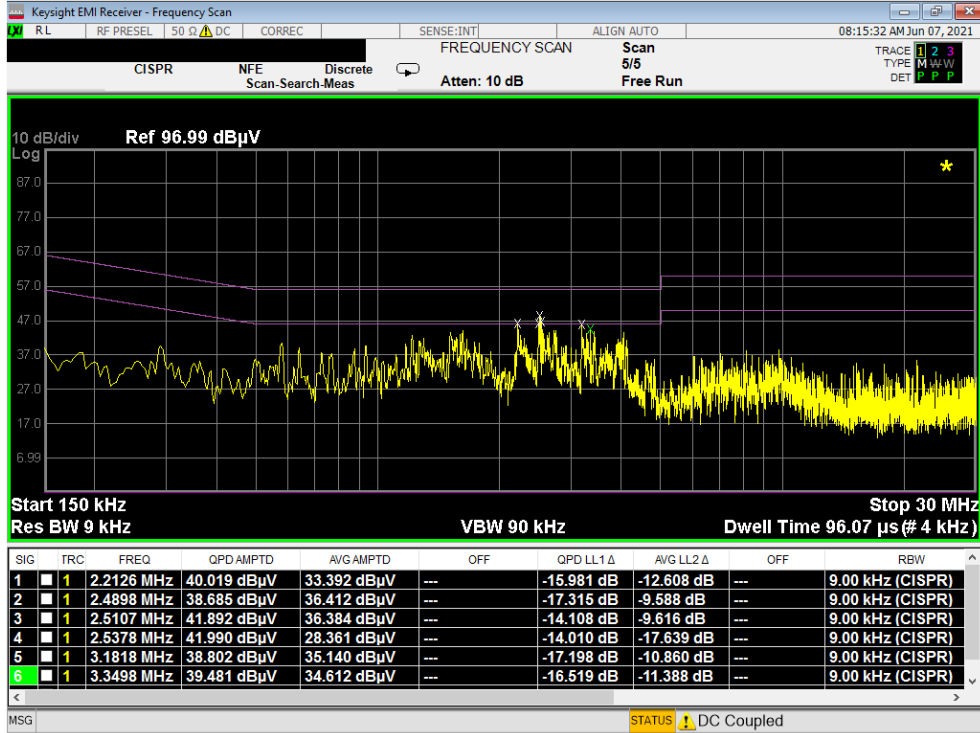


Plot 7-885. Line Conducted Plot with 802.11a UNII Band 2C (L1) with WCP

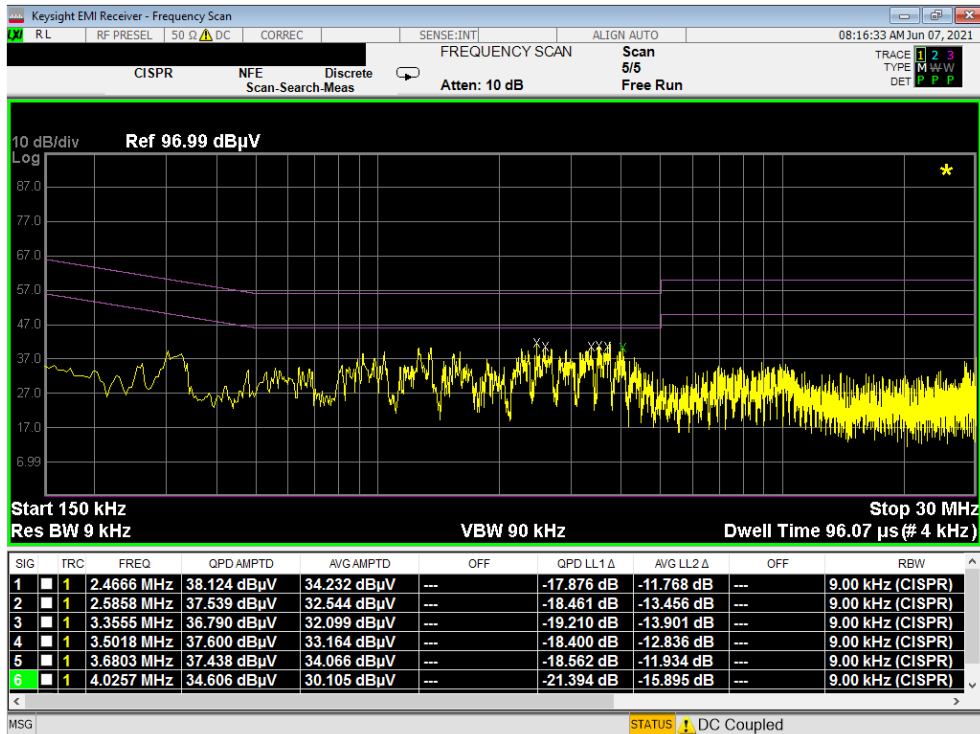


Plot 7-886. Line Conducted Plot with 802.11a UNII Band 2C (N) with WCP

FCC ID: A3LSMF711U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 507 of 509



Plot 7-887. Line Conducted Plot with 802.11a UNII Band 3 (L1) with WCP



Plot 7-888. Line Conducted Plot with 802.11a UNII Band 3 (N) with WCP

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 508 of 509

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF711U** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: A3LSMF711U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104070032-14.A3L	Test Dates: 04/12/2021-06/02/2021	EUT Type: Portable Handset		Page 509 of 509