

6.9 Antenna-2 Radiated Band Edge Measurements (20MHz BW)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

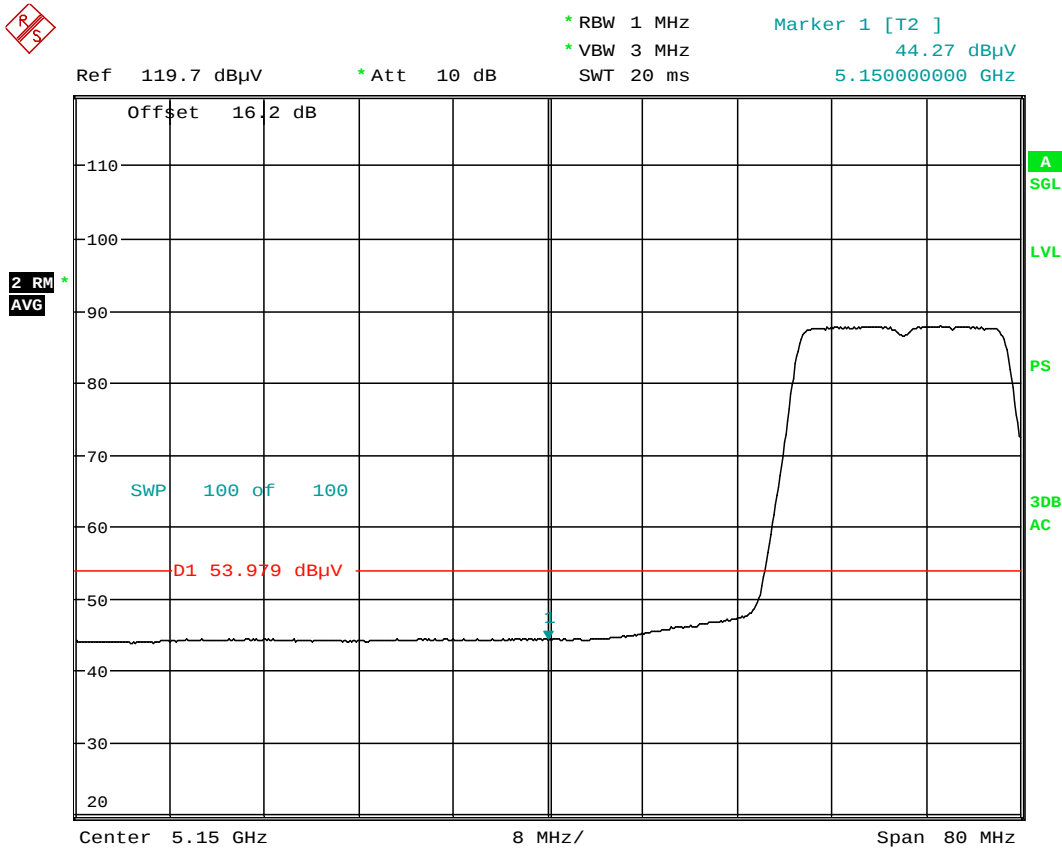
Worst Case Mode: 802.11n (20MHz)

Worst Case Transfer Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 5180MHz

Channel: 36

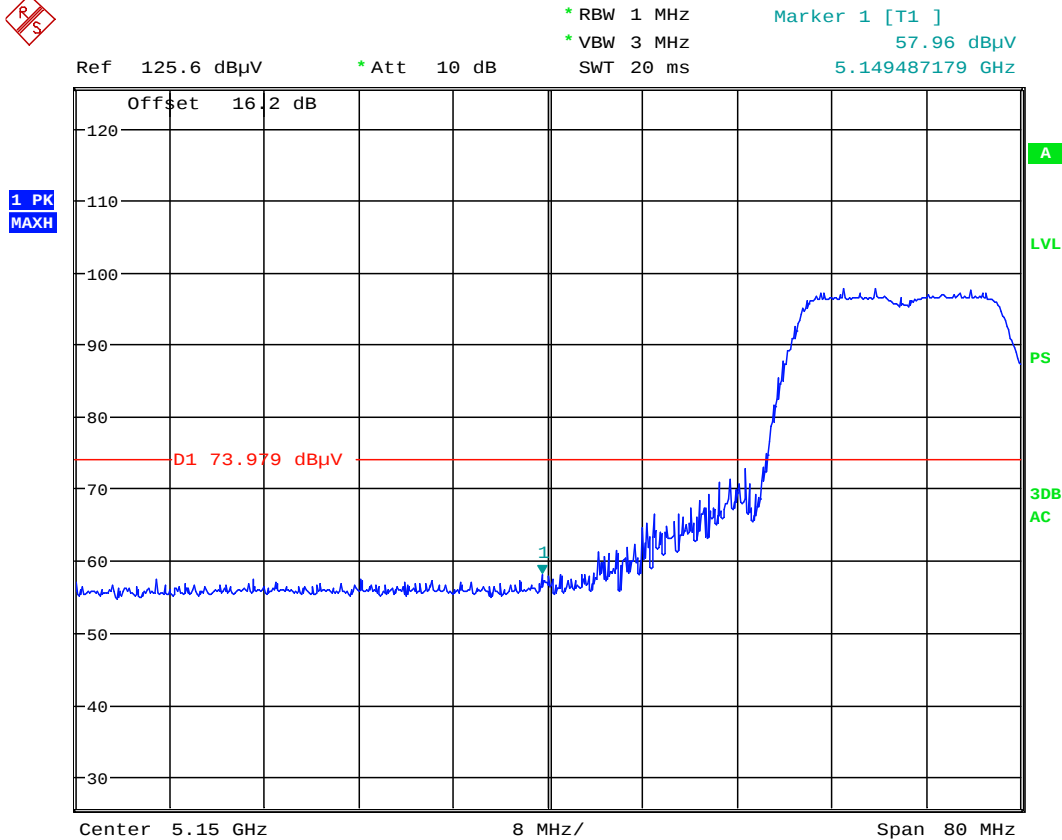


Date: 6.DEC.2013 21:32:57

Plot 6-148. Radiated Restricted Lower Band Edge Plot (Average - UNII Band 1)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 133 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 21:32:00

Plot 6-149. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 1)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 134 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

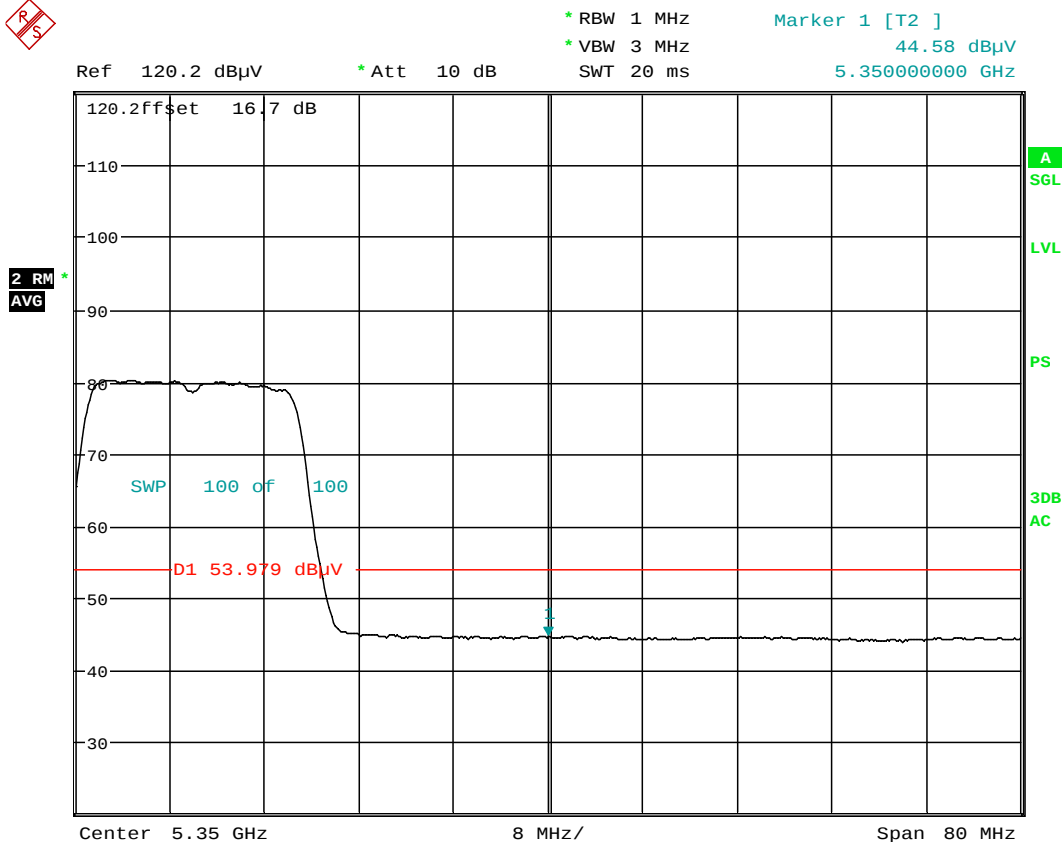
Worst Case Mode: 802.11n (20MHz)

Worst Case Transfer Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 5320MHz

Channel: 64



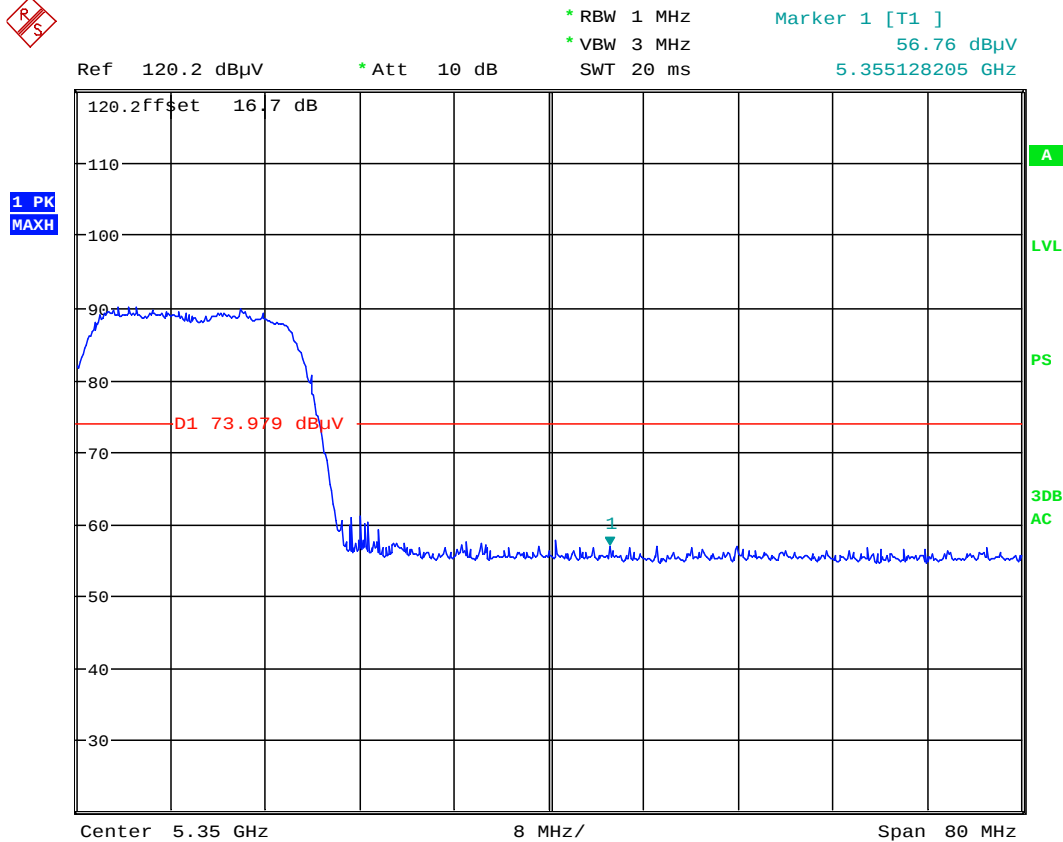
Date: 6.DEC.2013 22:04:01

Plot 6-150. Radiated Restricted Upper Band Edge Plot (Average – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 135 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 22:04:37

Plot 6-151. Radiated Restricted Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 136 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

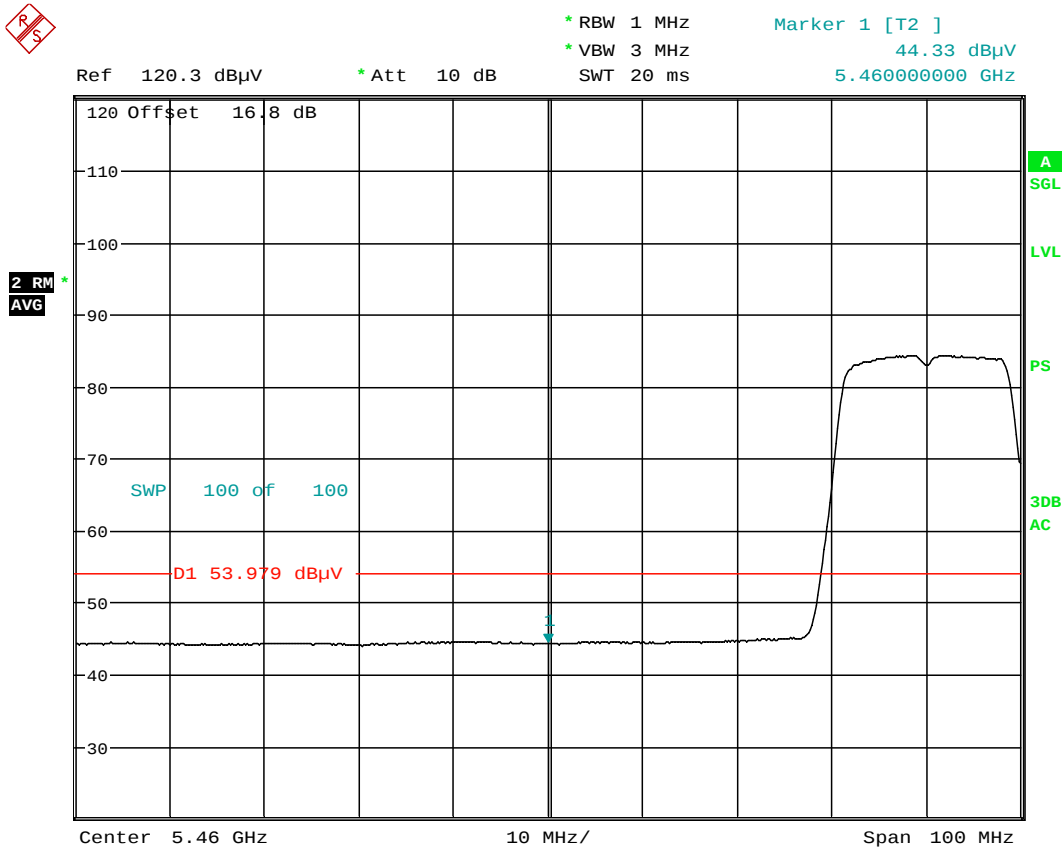
Worst Case Mode: 802.11n (20MHz)

Worst Case Transfer Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 5500MHz

Channel: 100

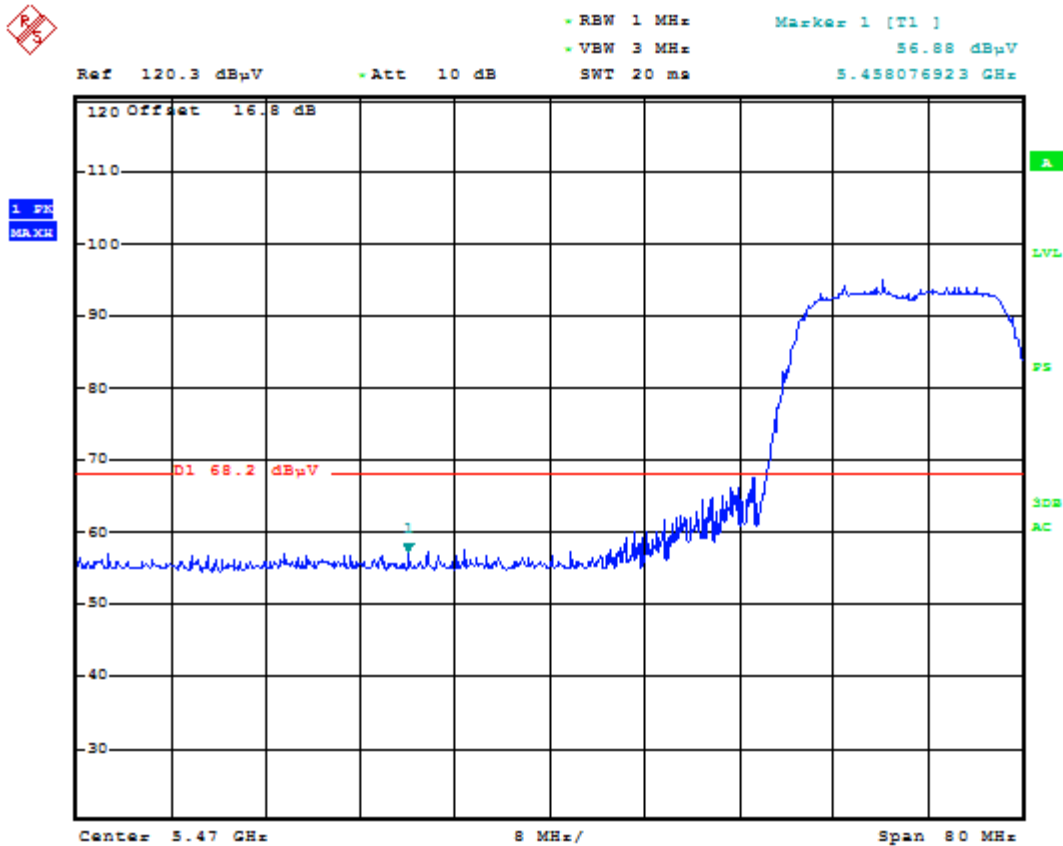


Date: 6.DEC.2013 22:56:04

Plot 6-152. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 137 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 22:56:43

Plot 6-153. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 138 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

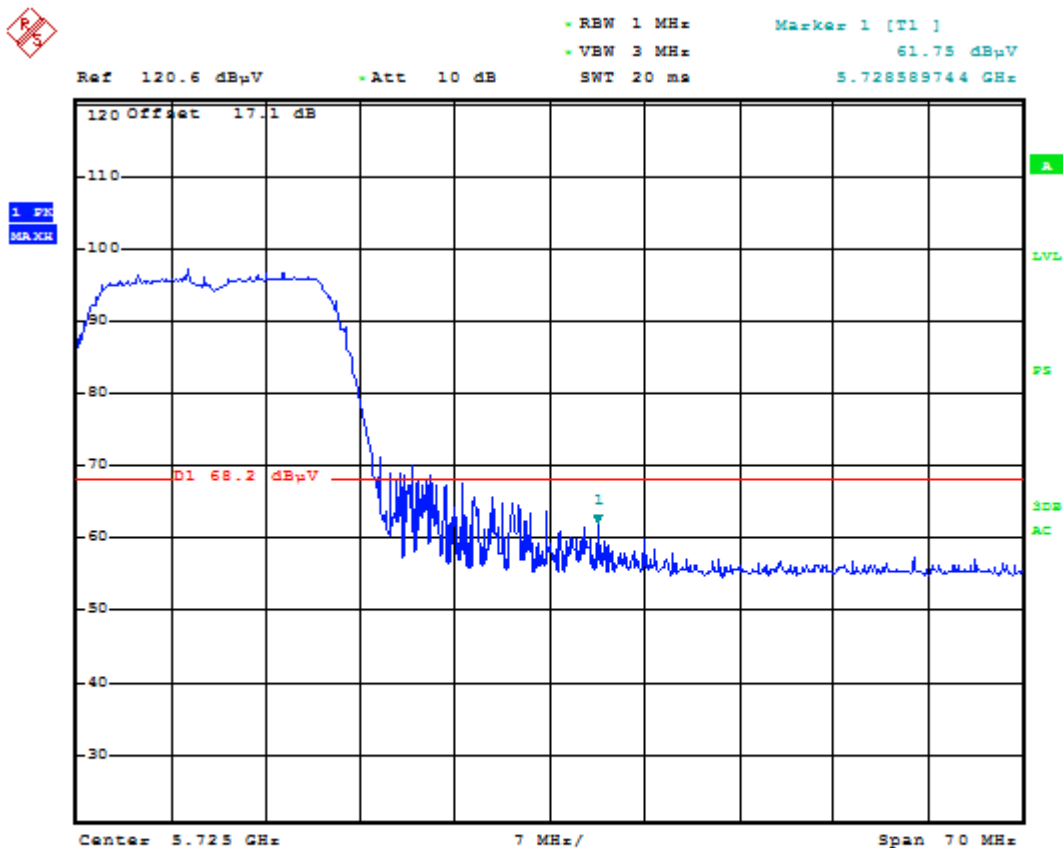
Worst Case Mode: 802.11n (20MHz)

Worst Case Transfer Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 5700MHz

Channel: 140



Date: 6.DEC.2013 22:57:58

Plot 6-154. Radiated Upper Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 139 of 179

Radiated Band Edge Measurements (40MHz BW) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

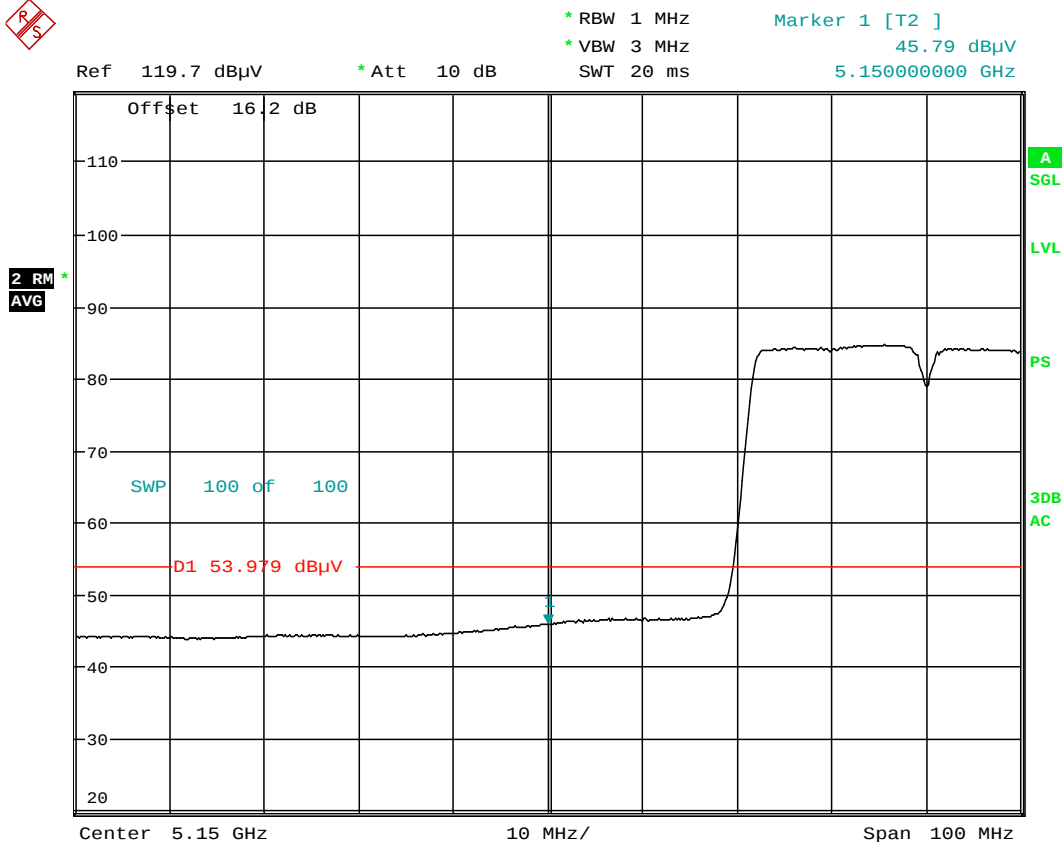
Worst Case Mode: 802.11n (40MHz)

Worst Case Transfer Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 5190MHz

Channel: 38

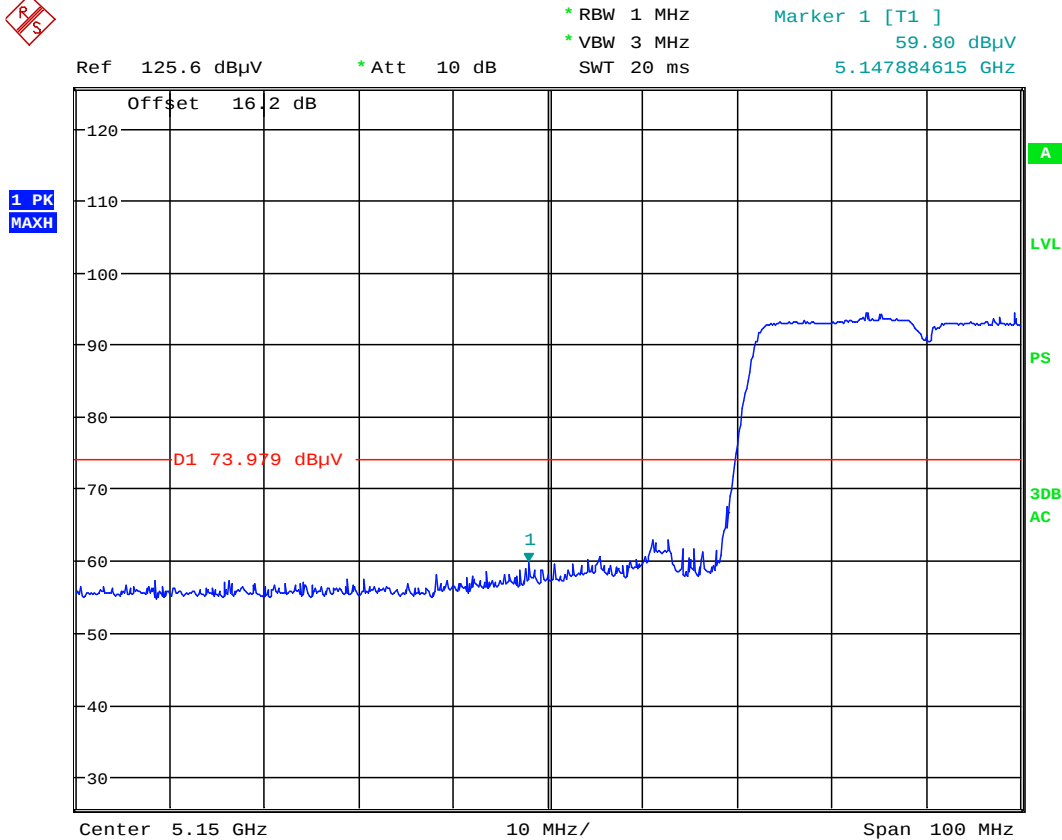


Date: 6.DEC.2013 21:30:26

Plot 6-155. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 1)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 140 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 21:30:50

Plot 6-156. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 1)

FCC ID: A3LSMP905M		FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 141 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

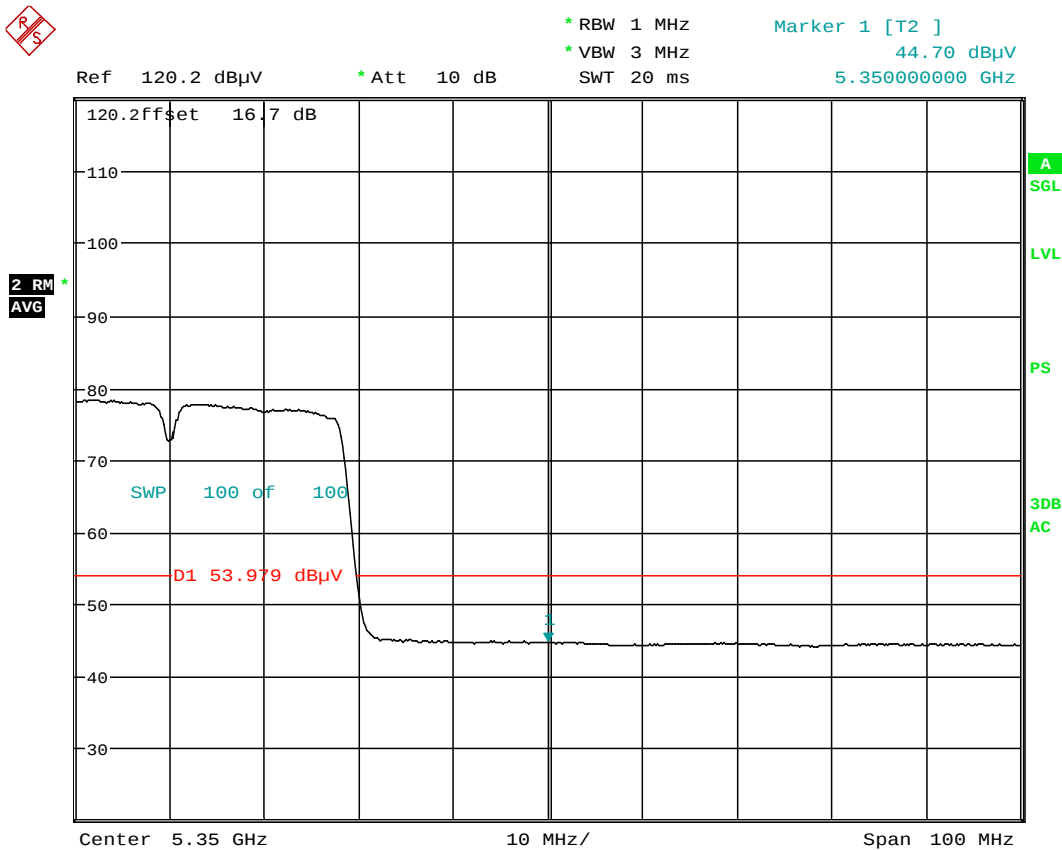
Worst Case Mode: 802.11n (40MHz)

Worst Case Transfer Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 5310MHz

Channel: 62

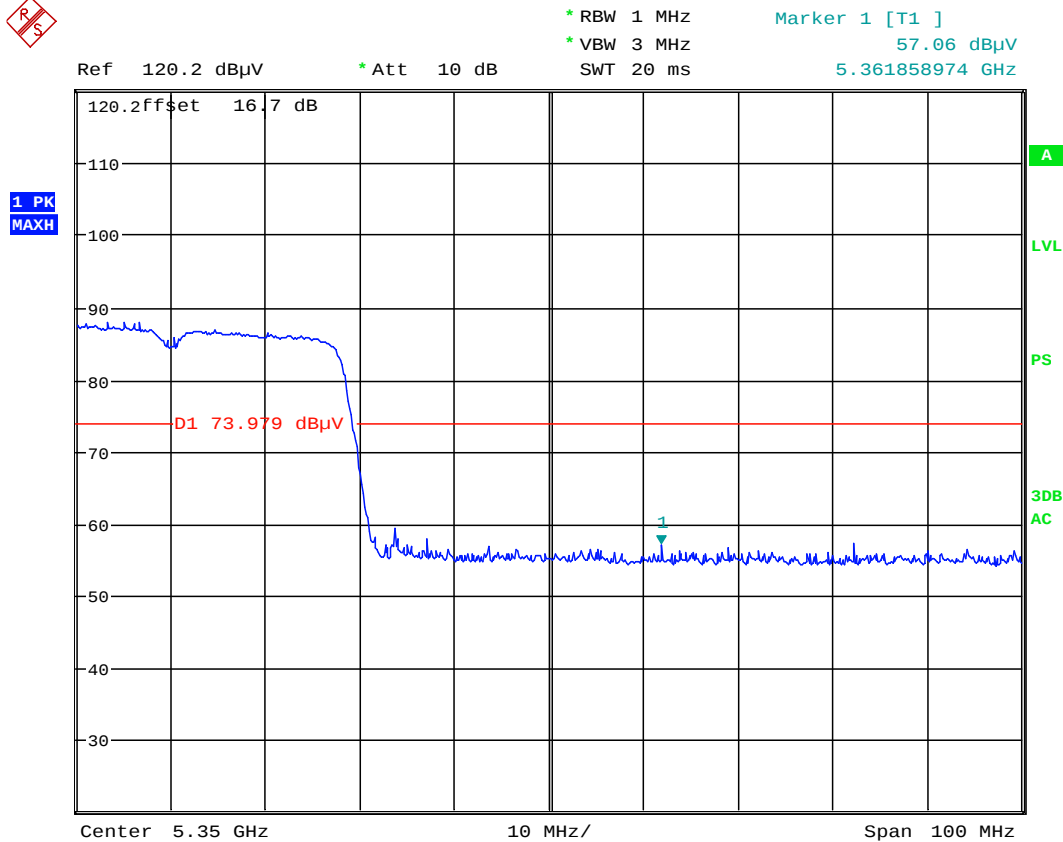


Date: 6.DEC.2013 22:06:16

Plot 6-157. Radiated Restricted Upper Band Edge Plot (Average – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 142 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 22:05:52

Plot 6-158. Radiated Restricted Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 143 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

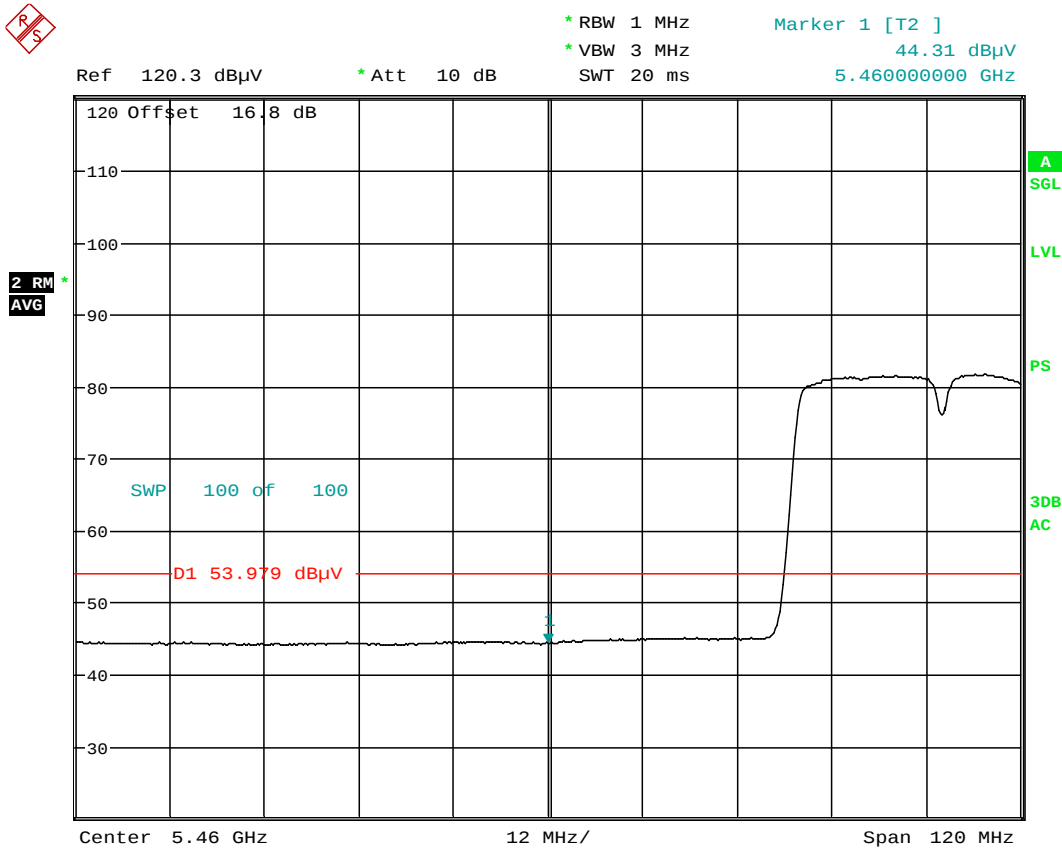
Worst Case Mode: 802.11n (40MHz)

Worst Case Transfer Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 5510MHz

Channel: 102

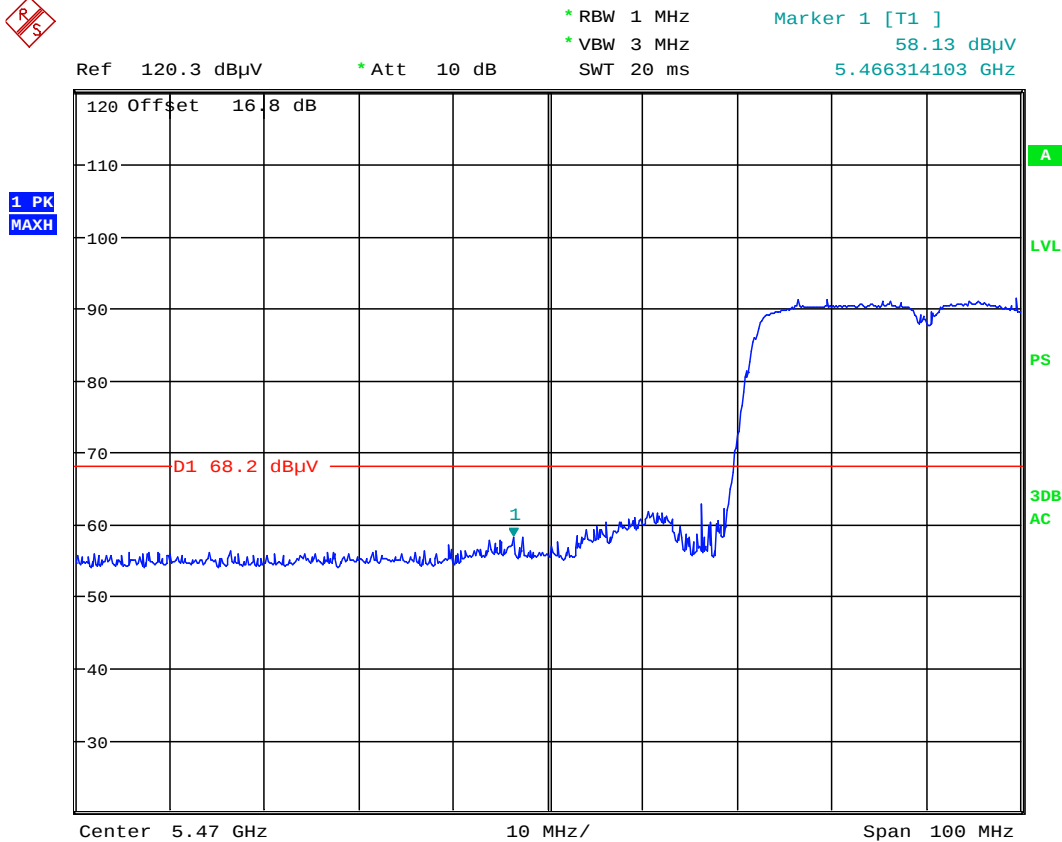


Date: 6.DEC.2013 22:55:00

Plot 6-159. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 144 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



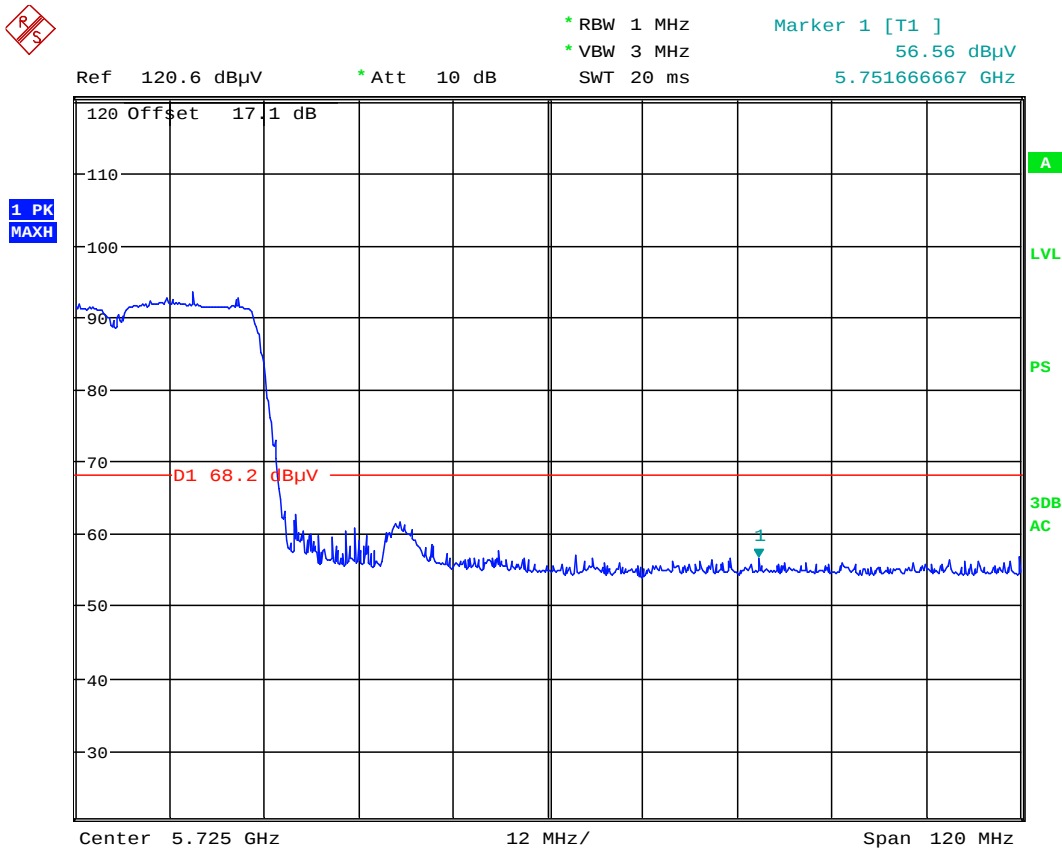
Date: 6.DEC.2013 22:54:35

Plot 6-160. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 145 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

Worst Case Mode: 802.11n (40MHz)
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5670MHz
Channel: 134



Date: 6.DEC.2013 22:59:00

Plot 6-161. Radiated Upper Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 146 of 179

Radiated Band Edge Measurements (80MHz BW) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

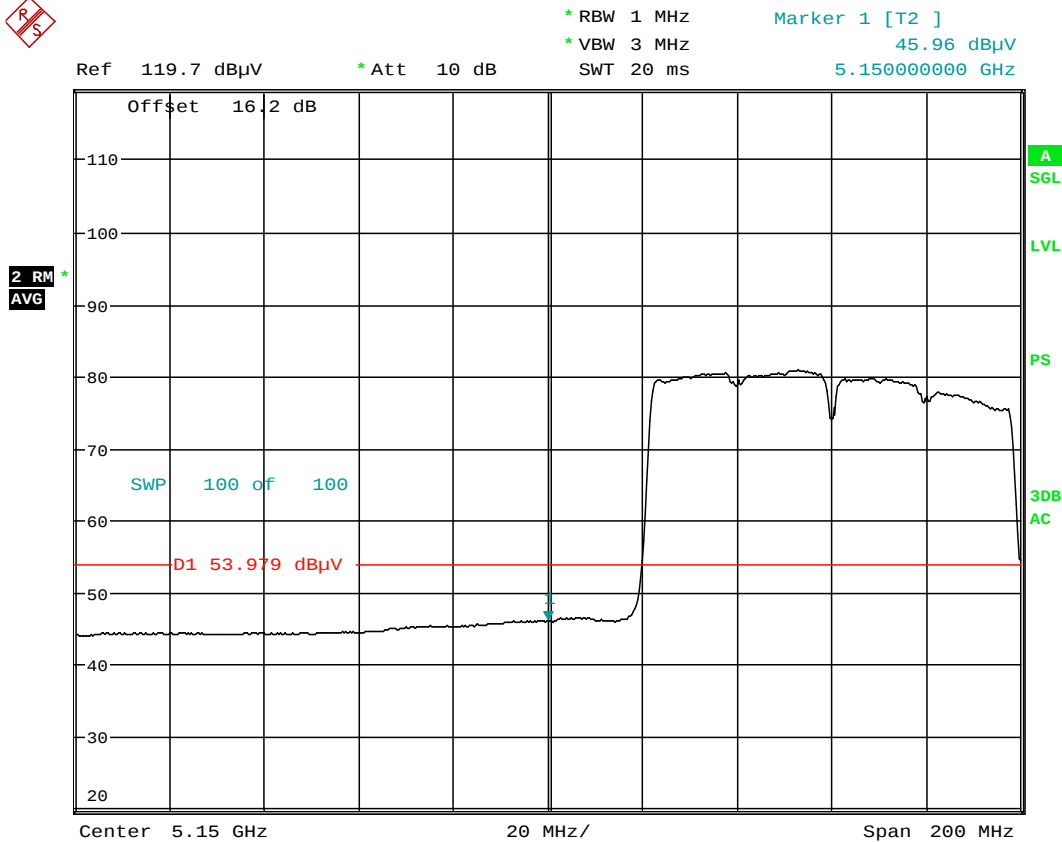
Worst Case Mode: 802.11n (80MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5210MHz

Channel: 42

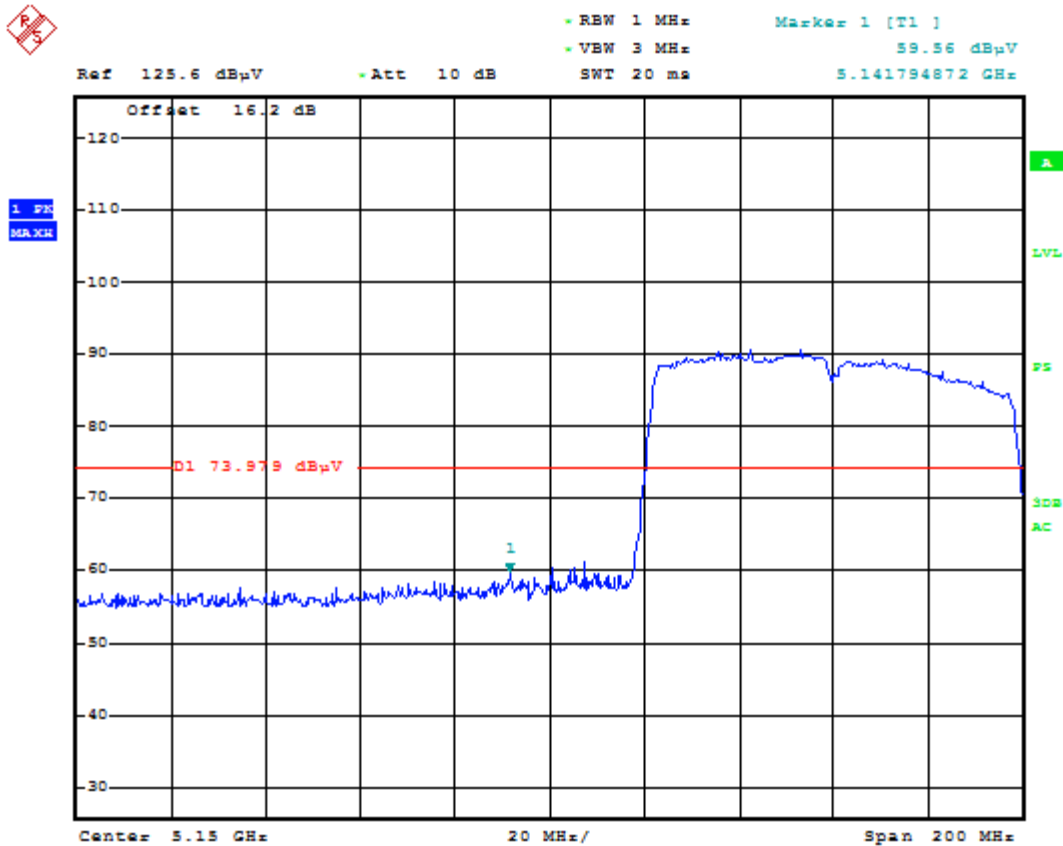


Date: 6.DEC.2013 21:27:33

Plot 6-162. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 1)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 147 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



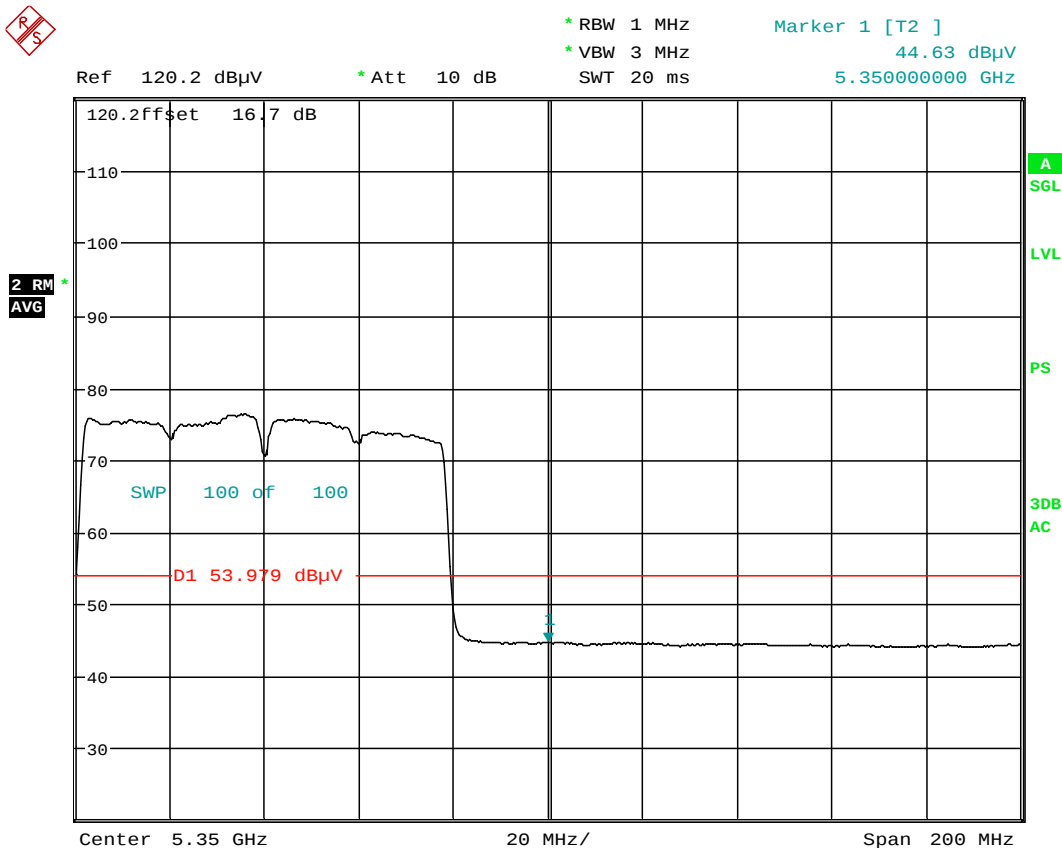
Date: 6.DEC.2013 21:28:01

Plot 6-163. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 1)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 148 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

Worst Case Mode: 802.11ac (80MHz)
Worst Case Transfer Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5290MHz
Channel: 58

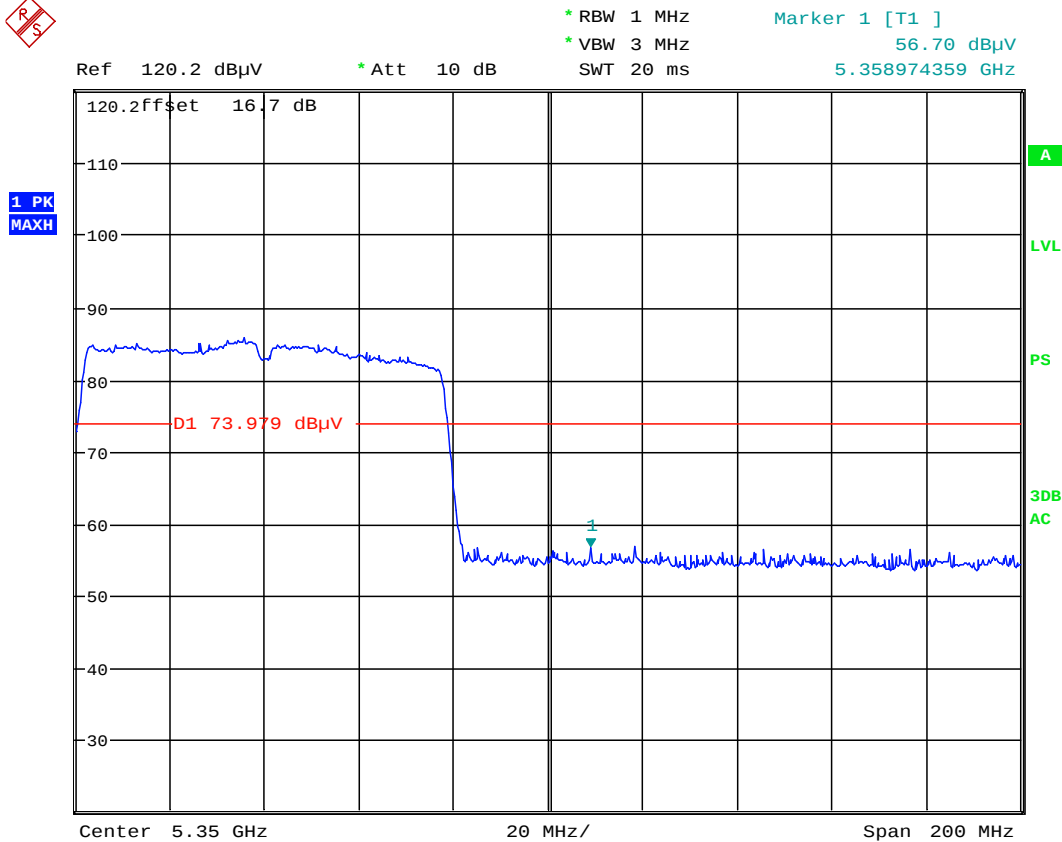


Date: 6.DEC.2013 22:07:54

Plot 6-164. Radiated Restricted Upper Band Edge Plot (Average – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 149 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



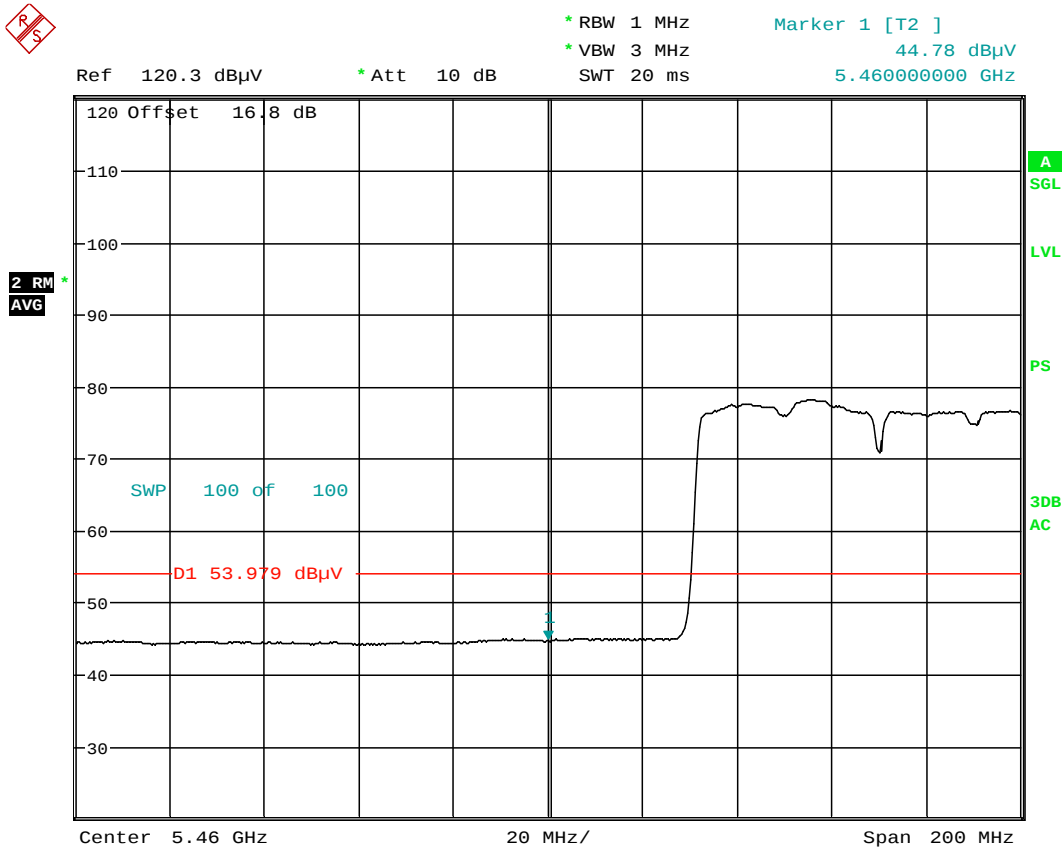
Date: 6.DEC.2013 22:08:16

Plot 6-165. Radiated Restricted Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMP905M		FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 150 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

Worst Case Mode: 802.11ac (80MHz)
Worst Case Transfer Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5530MHz
Channel: 106

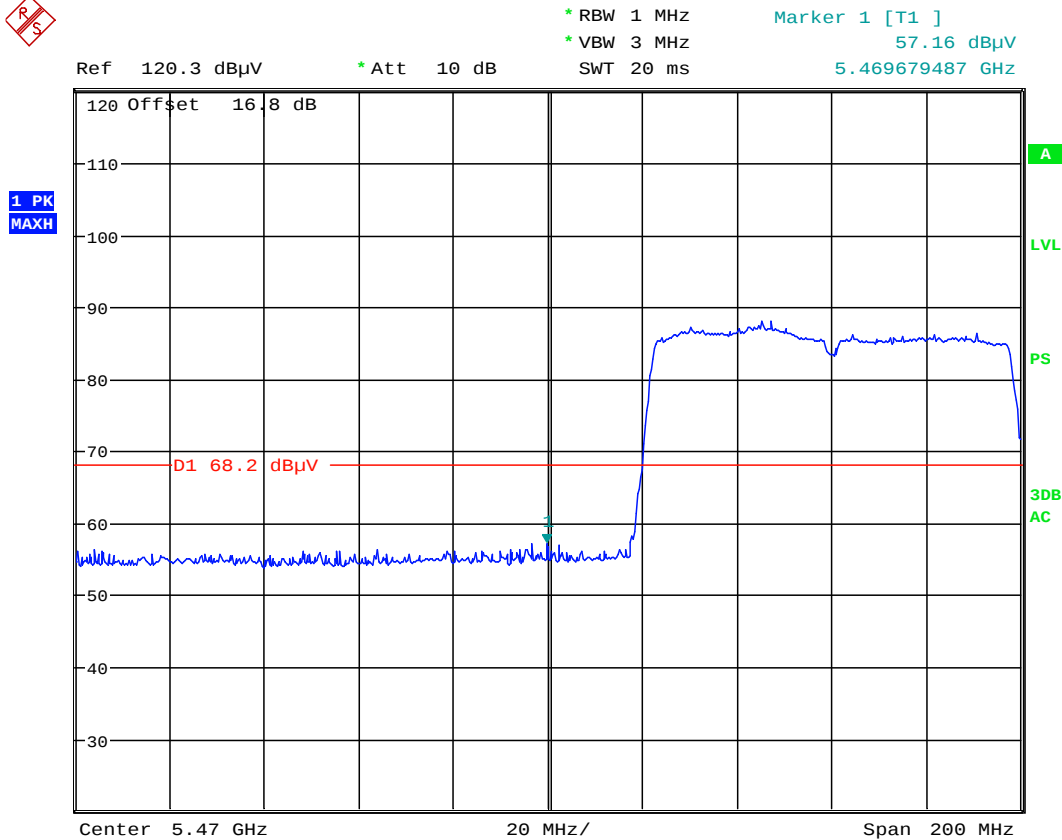


Date: 6.DEC.2013 22:52:57

Plot 6-166. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 151 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 22:53:18

Plot 6-167. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M		FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 152 of 179

6.10 MIMO Radiated Band Edge Measurements (20MHz BW)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

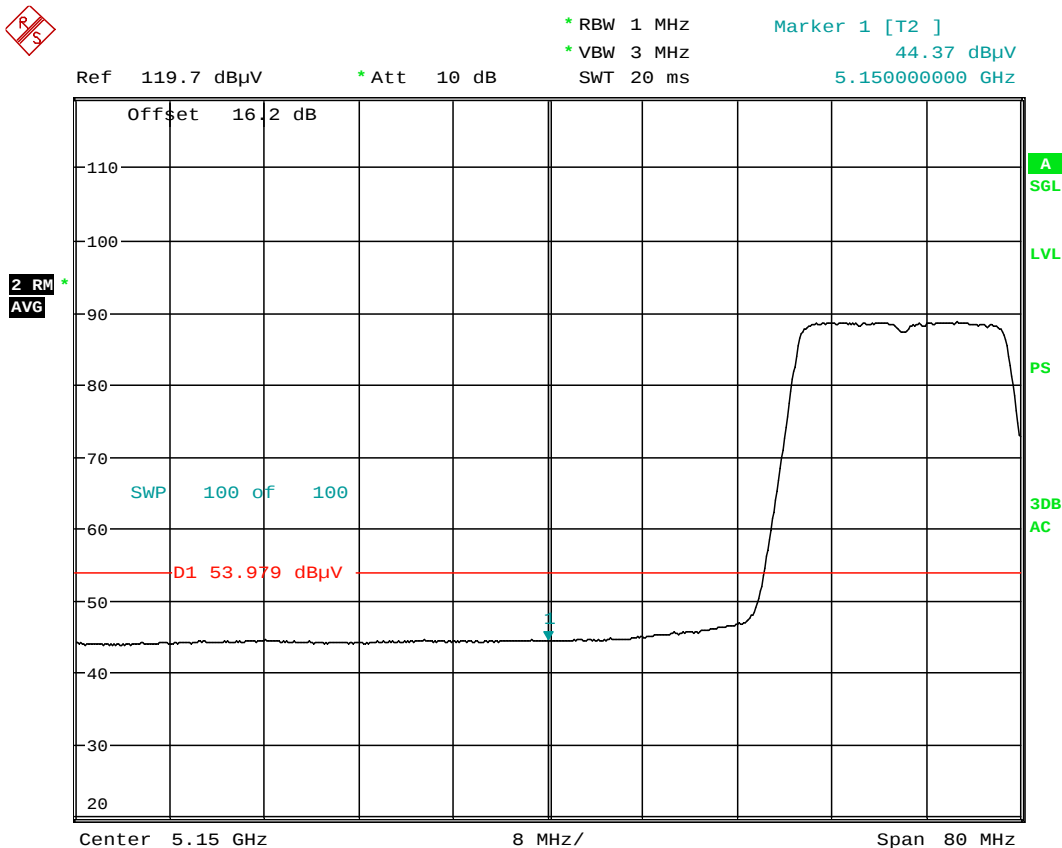
Worst Case Mode: 802.11n (20MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5180MHz

Channel: 36

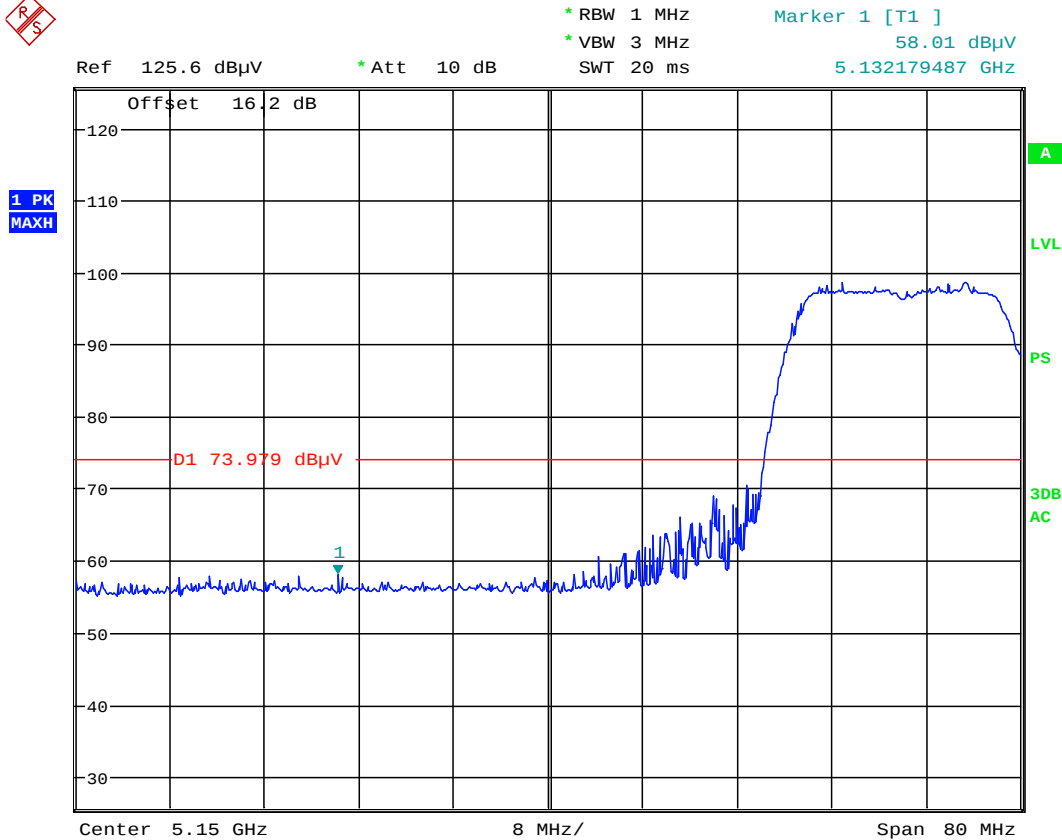


Date: 6.DEC.2013 21:35:48

Plot 6-168. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 1)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 153 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 21:36:14

Plot 6-169. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 1)

FCC ID: A3LSMP905M		FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 154 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

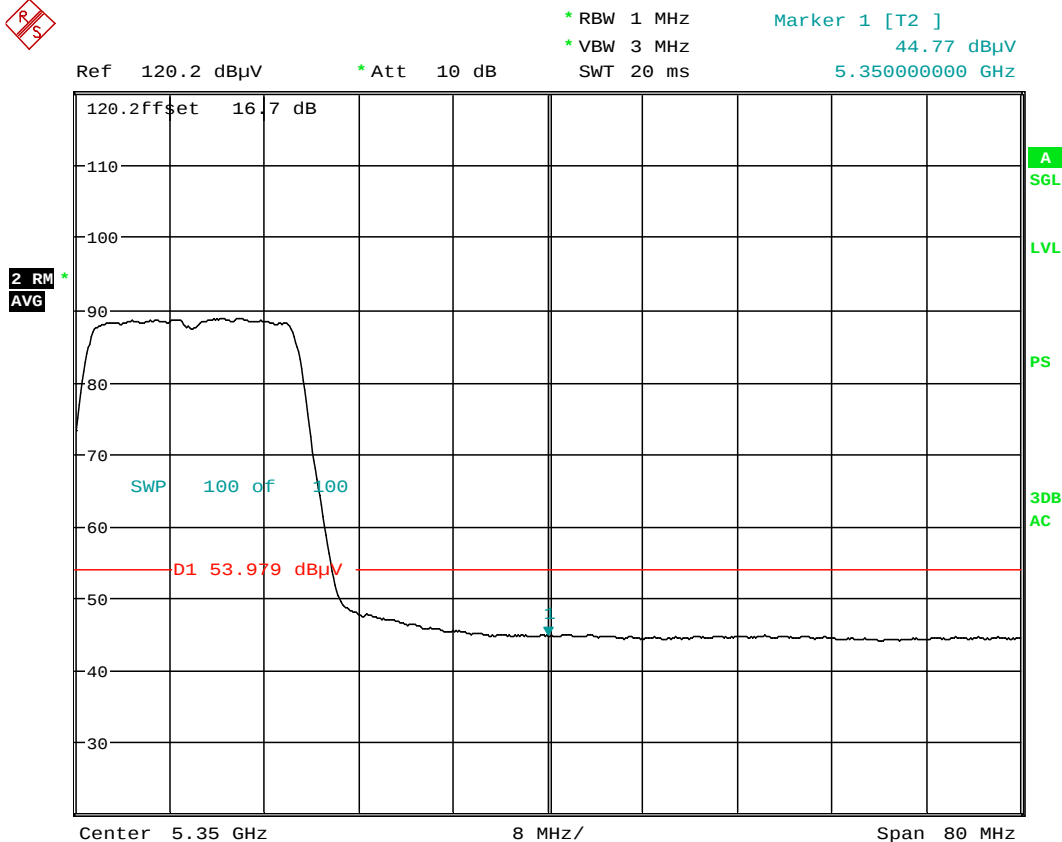
Worst Case Mode: 802.11n (20MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5320MHz

Channel: 64

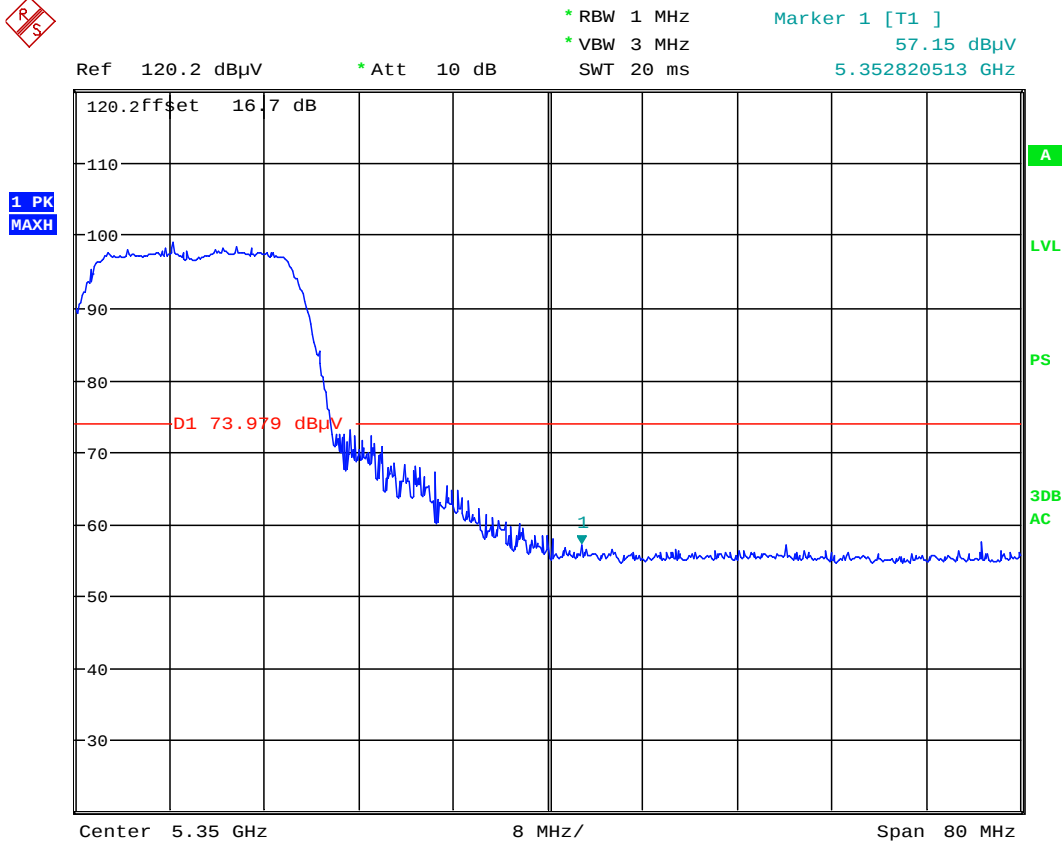


Date: 6.DEC.2013 22:14:57

Plot 6-170. Radiated Restricted Upper Band Edge Plot (Average – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 155 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 22:14:41

Plot 6-171. Radiated Restricted Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 156 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

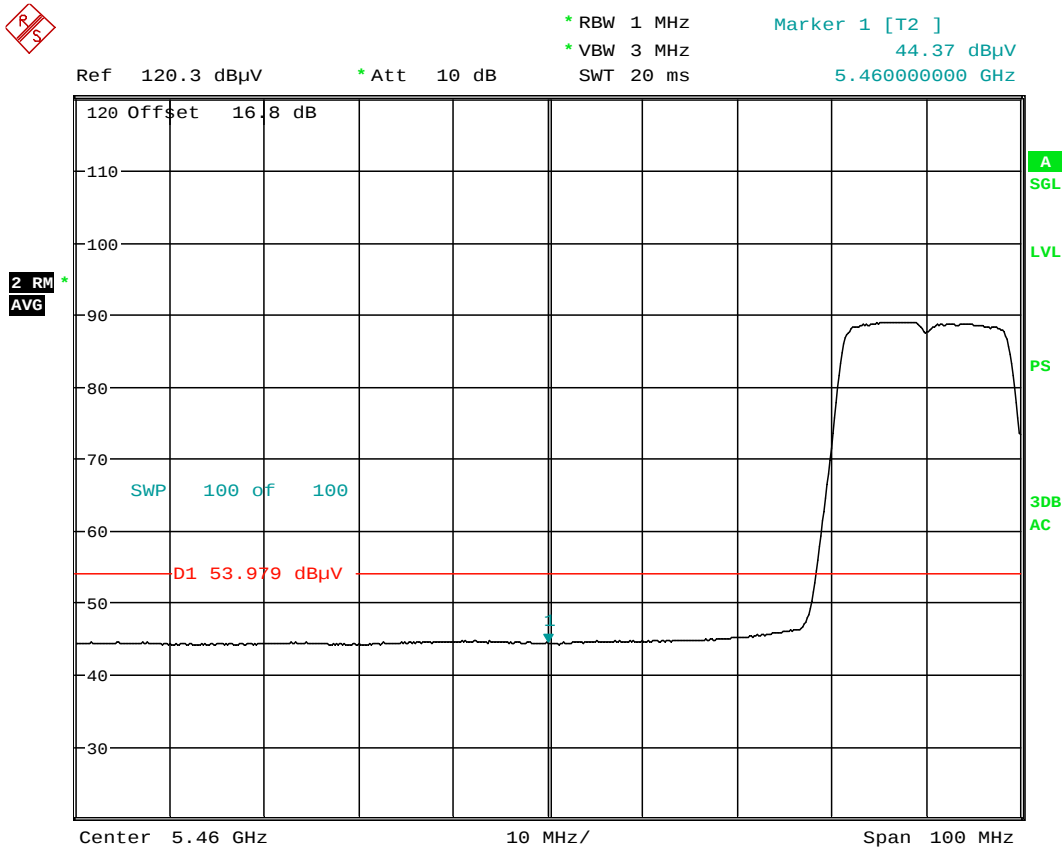
Worst Case Mode: 802.11n (20MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5500MHz

Channel: 100

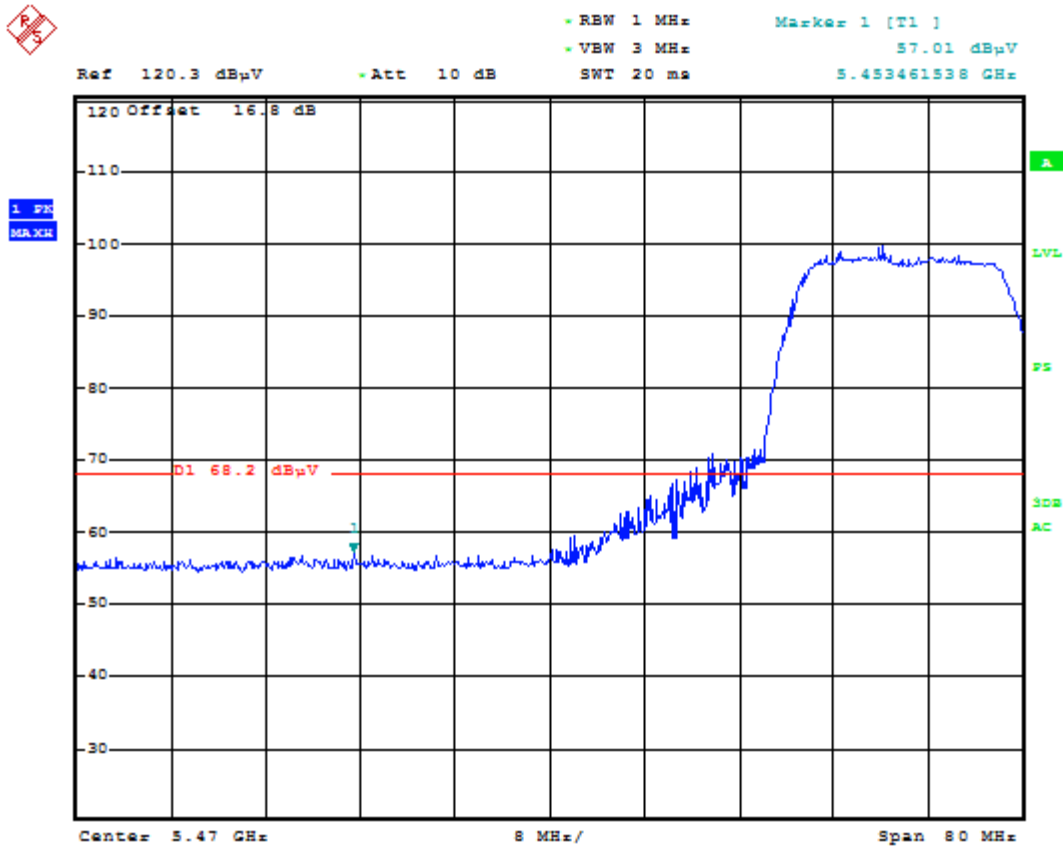


Date: 6.DEC.2013 23:05:39

Plot 6-172. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 157 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 23:05:20

Plot 6-173. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 158 of 179

Radiated Band Edge Measurements (20MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

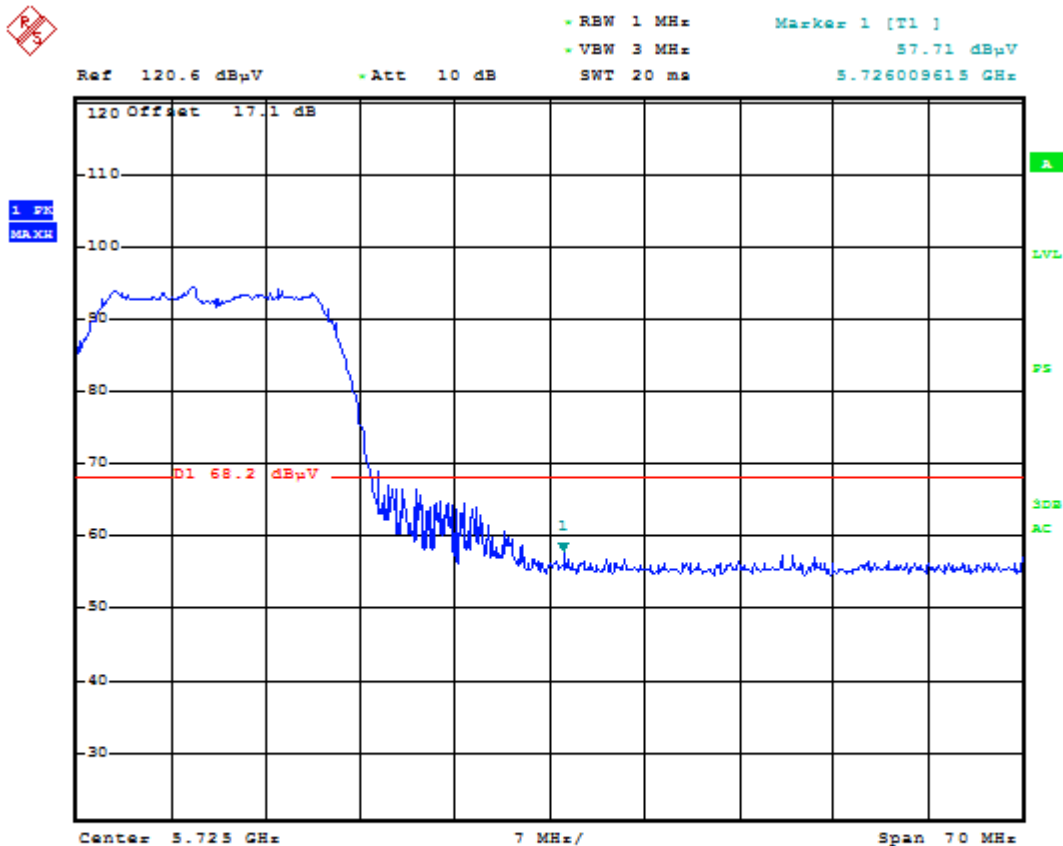
Worst Case Mode: 802.11n (20MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5700MHz

Channel: 140



Date: 6.DEC.2013 23:07:09

Plot 6-174. Radiated Upper Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 159 of 179

Radiated Band Edge Measurements (40MHz BW) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

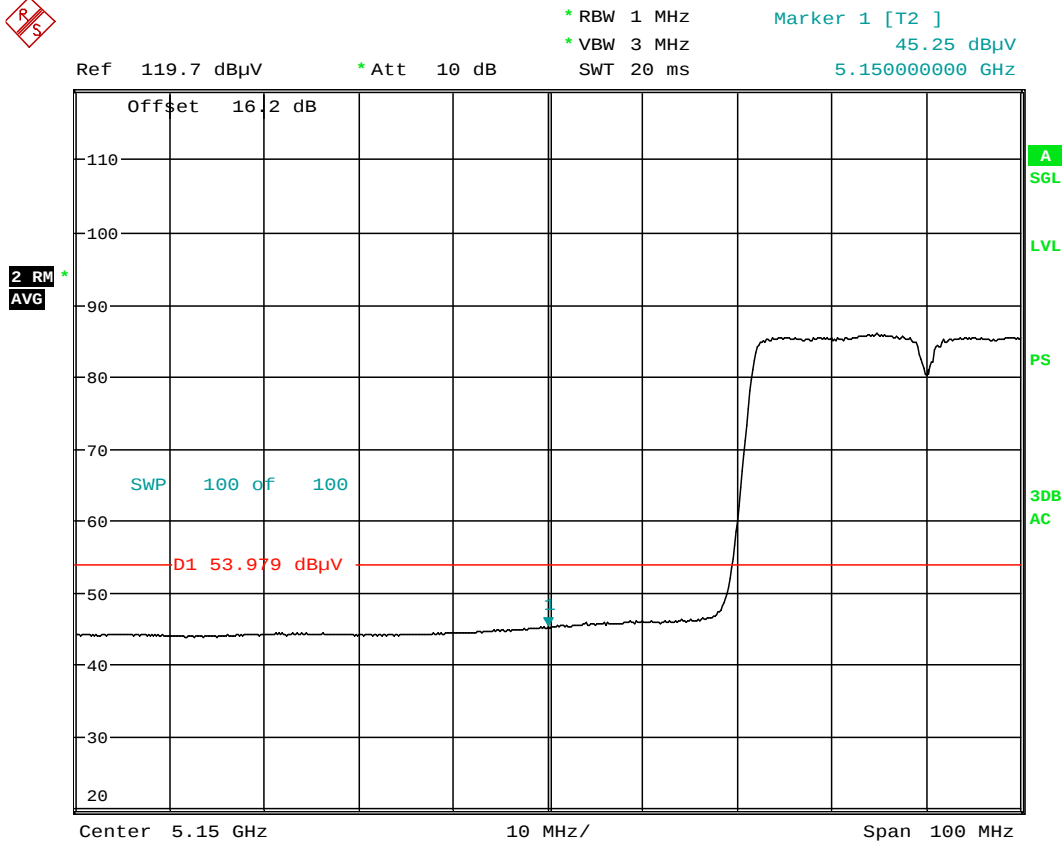
Worst Case Mode: 802.11n (40MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5190MHz

Channel: 38

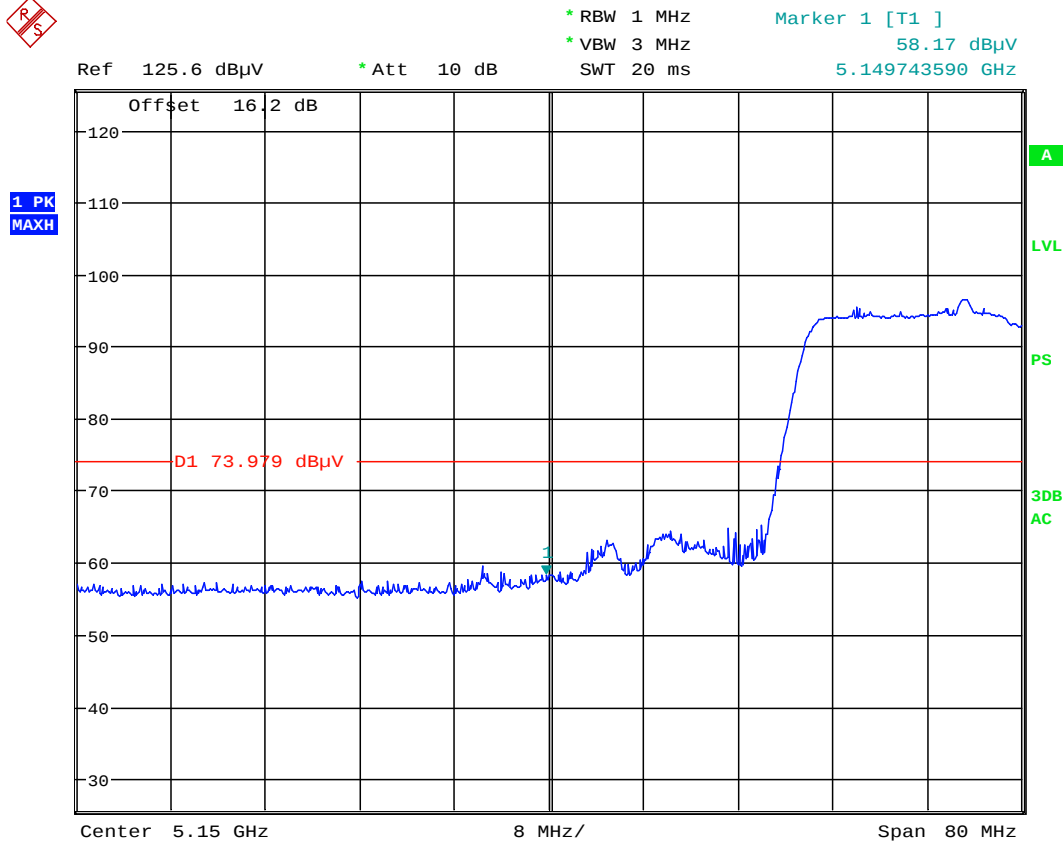


Date: 6.DEC.2013 21:40:15

Plot 6-175. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 1)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 160 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 21:37:24

Plot 6-176. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 1)

FCC ID: A3LSMP905M		FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 161 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

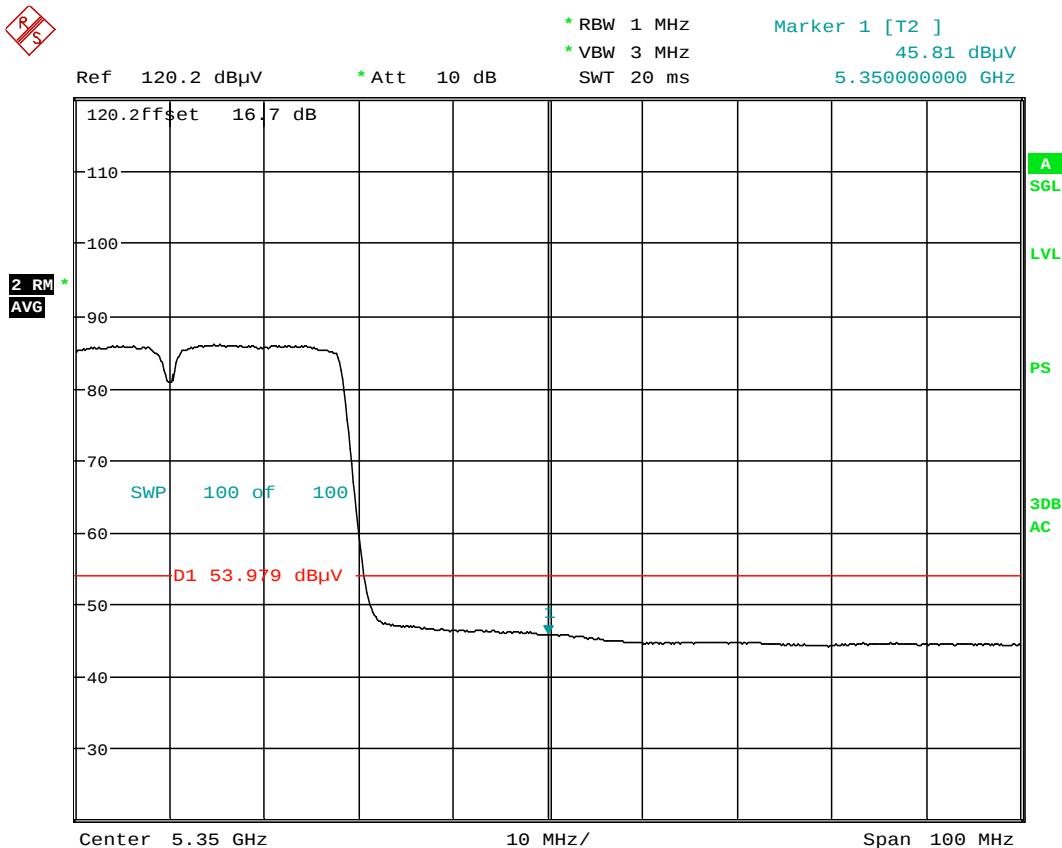
Worst Case Mode: 802.11n (40MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5310MHz

Channel: 62

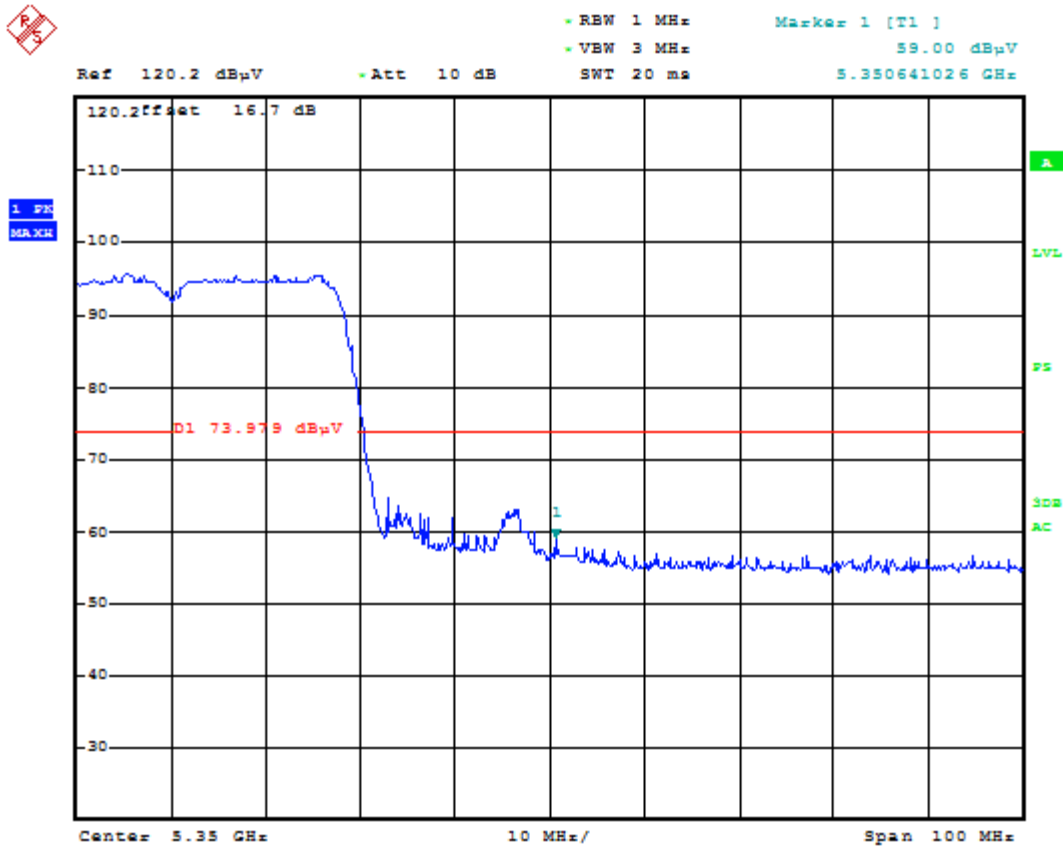


Date: 6.DEC.2013 22:12:59

Plot 6-177. Radiated Restricted Upper Band Edge Plot (Average – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 162 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



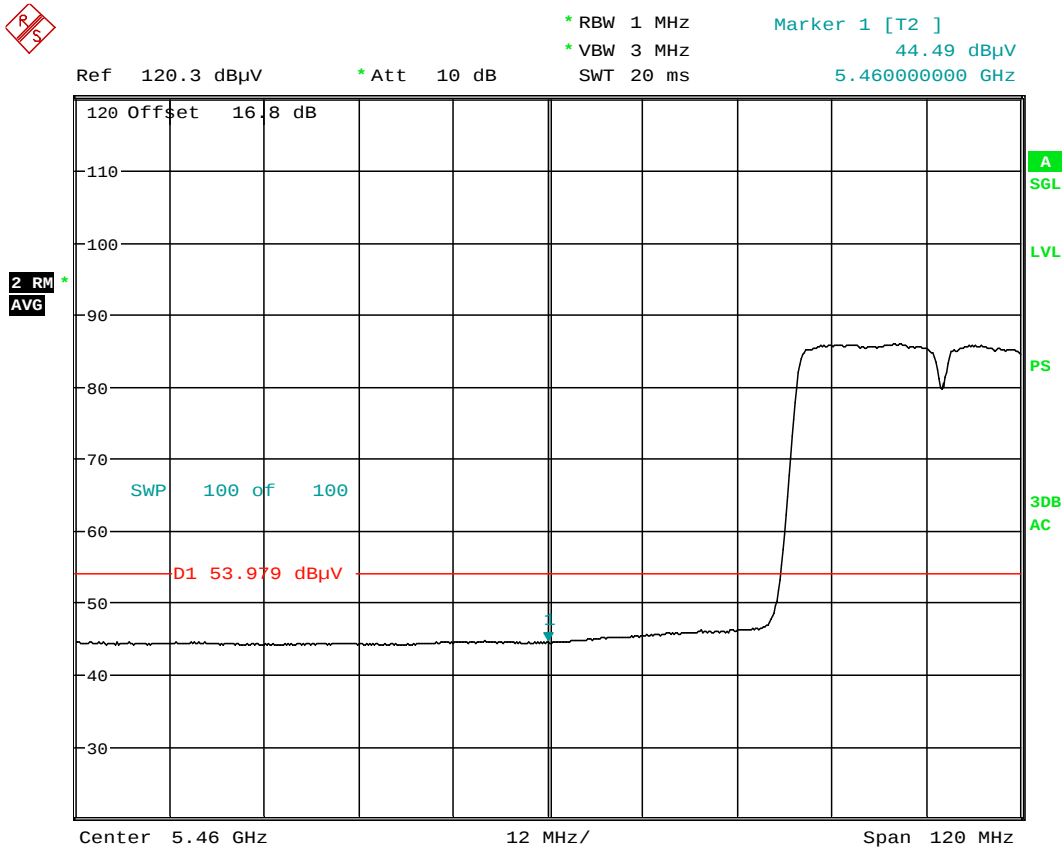
Date: 6.DEC.2013 22:13:34

Plot 6-178. Radiated Restricted Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 163 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

Worst Case Mode: 802.11n (40MHz)
Worst Case Transfer Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5510MHz
Channel: 102

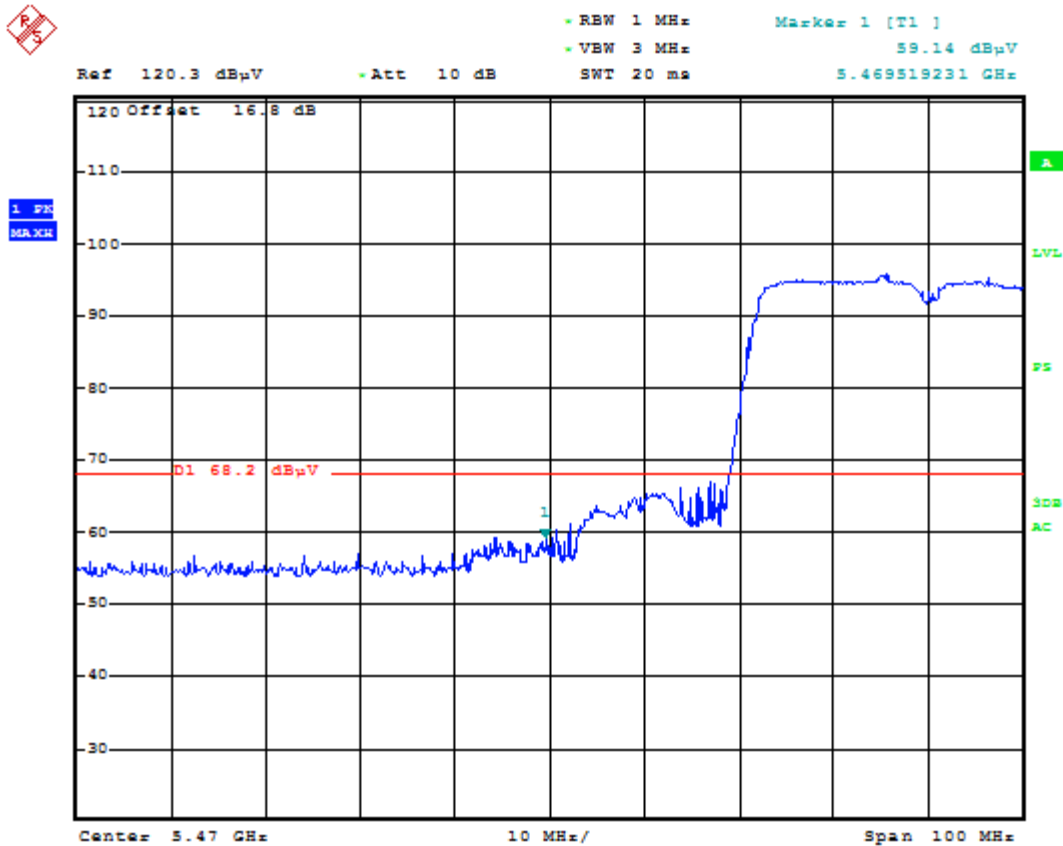


Date: 6.DEC.2013 23:03:53

Plot 6-179. Radiated Restricted Lower Band Edge Plot (Average - UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 164 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



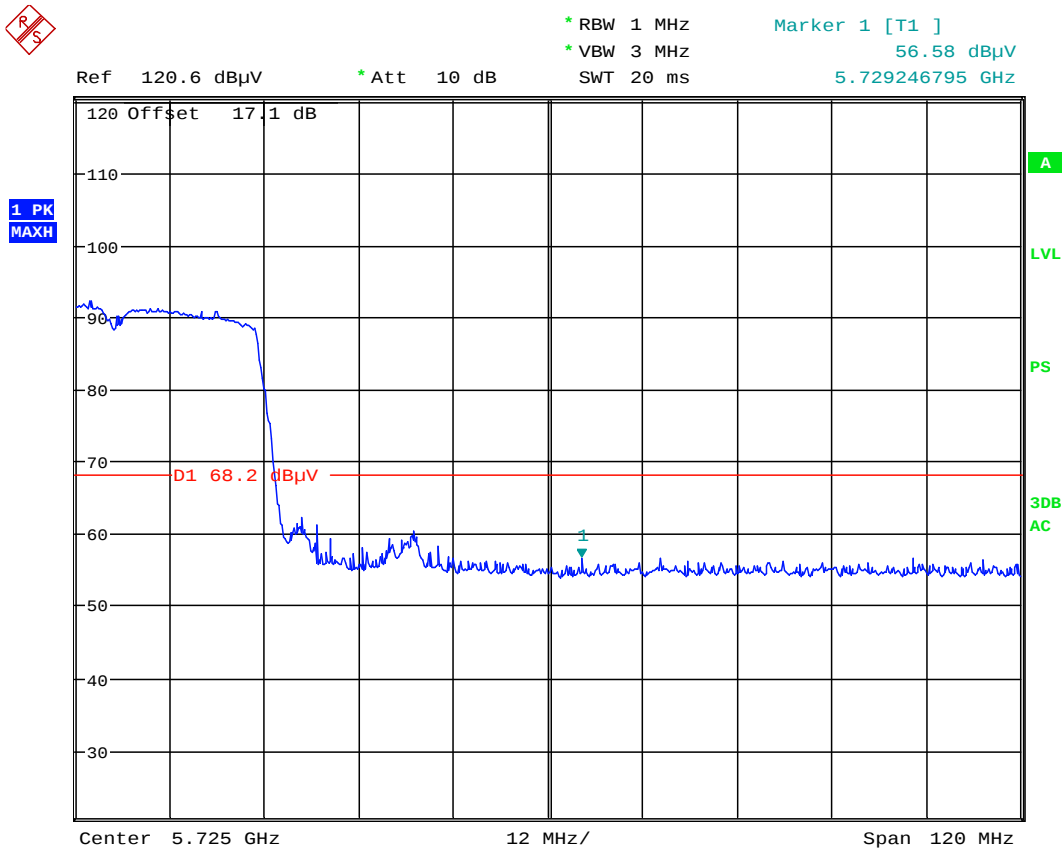
Date: 6.DEC.2013 23:04:11

Plot 6-180. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 165 of 179

Radiated Band Edge Measurements (40MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

Worst Case Mode: 802.11n (40MHz)
Worst Case Transfer Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5670MHz
Channel: 134



Date: 6.DEC.2013 23:08:26

Plot 6-181. Radiated Upper Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 166 of 179

Radiated Band Edge Measurements (80MHz BW) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

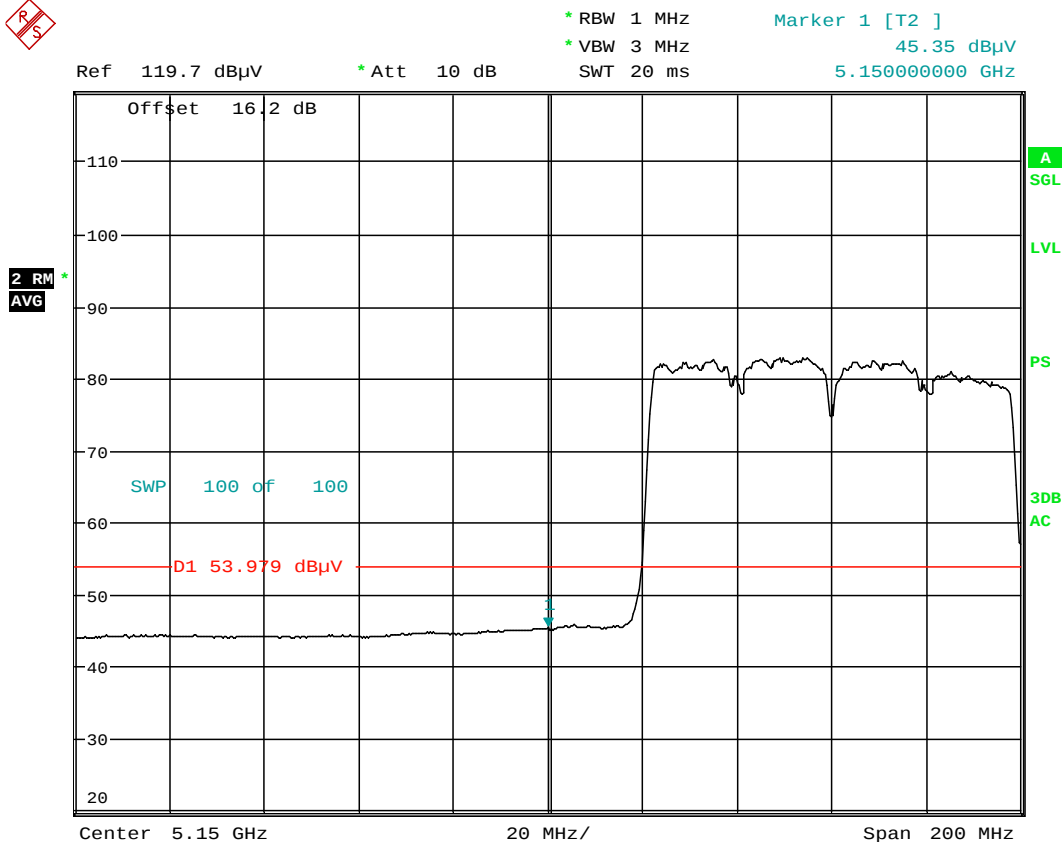
Worst Case Mode: 802.11n (80MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5210MHz

Channel: 42



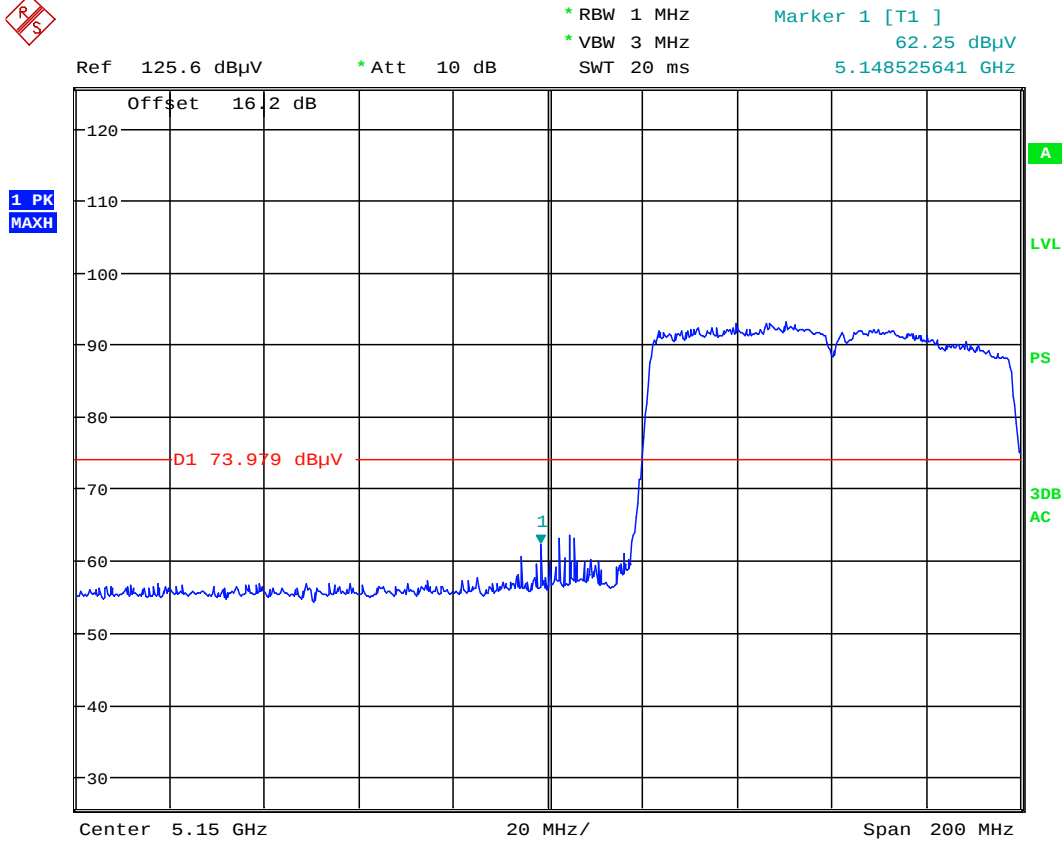
Date: 6.DEC.2013 21:38:52

Plot 6-182. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 1)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 167 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 21:39:15

Plot 6-183. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 1)

FCC ID: A3LSMP905M		FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 168 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

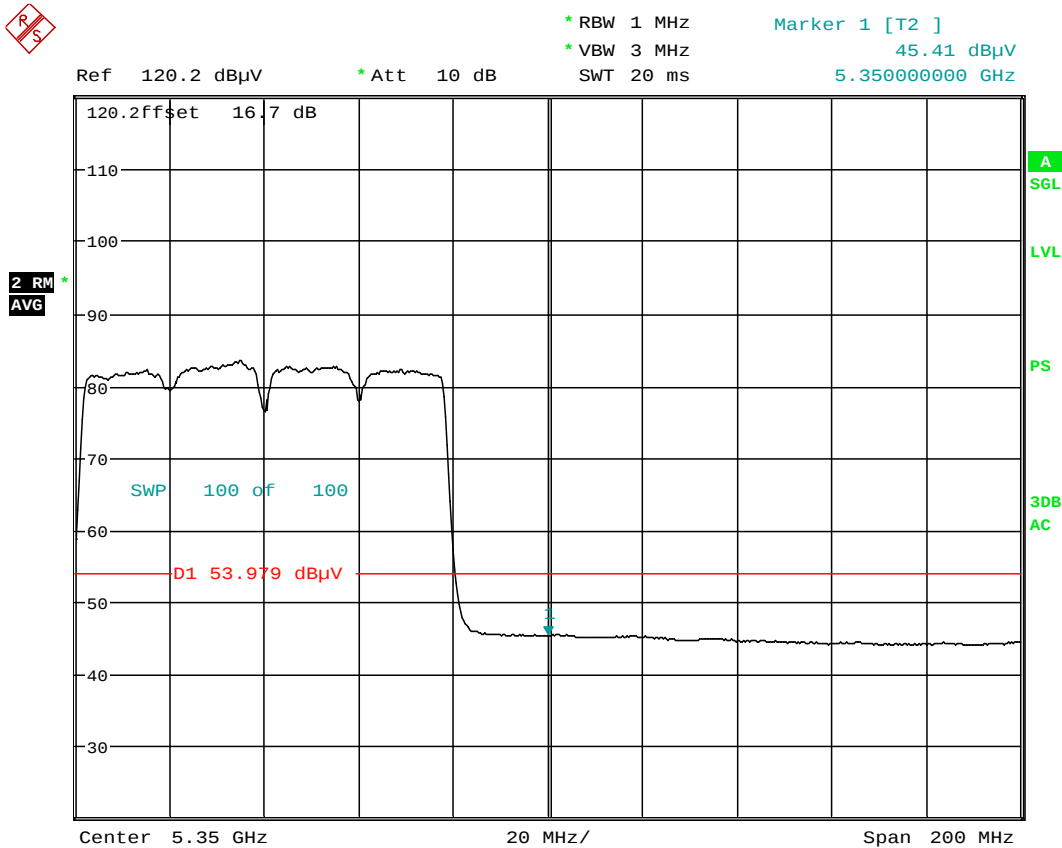
Worst Case Mode: 802.11ac (80MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5290MHz

Channel: 58

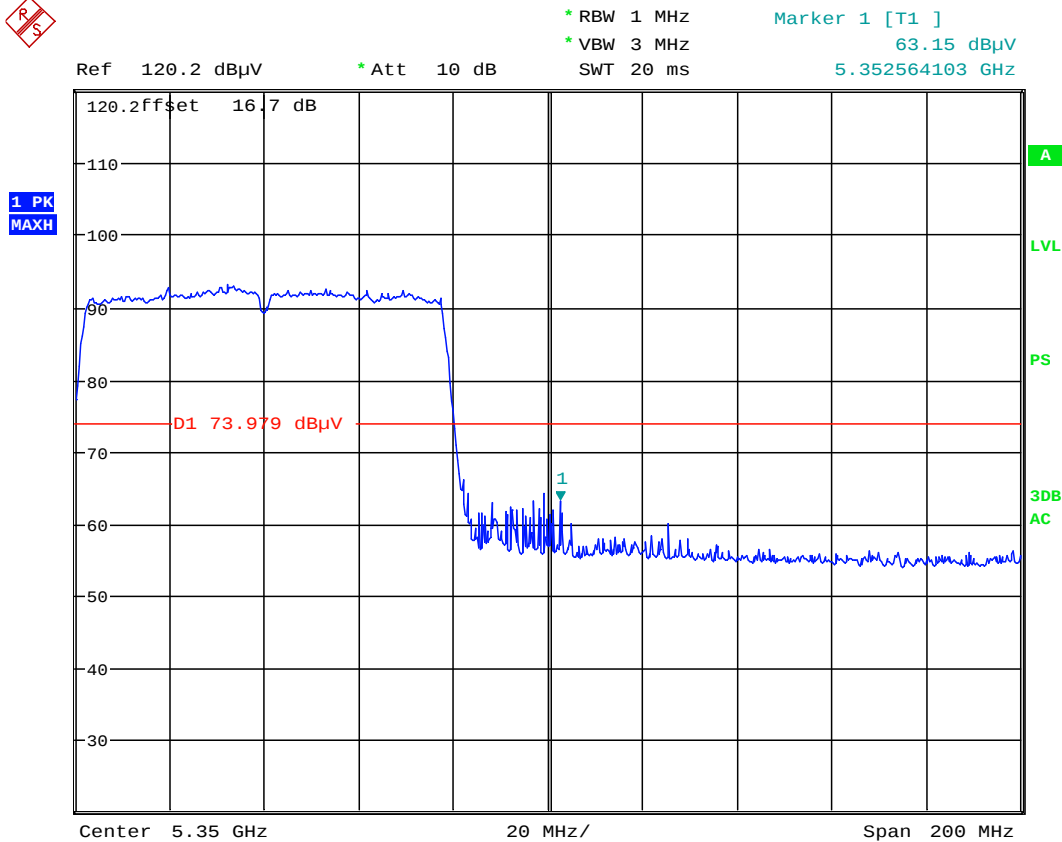


Date: 6.DEC.2013 22:10:15

Plot 6-184. Radiated Restricted Upper Band Edge Plot (Average – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 169 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



Date: 6.DEC.2013 22:09:50

Plot 6-185. Radiated Restricted Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 170 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd)

§15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]

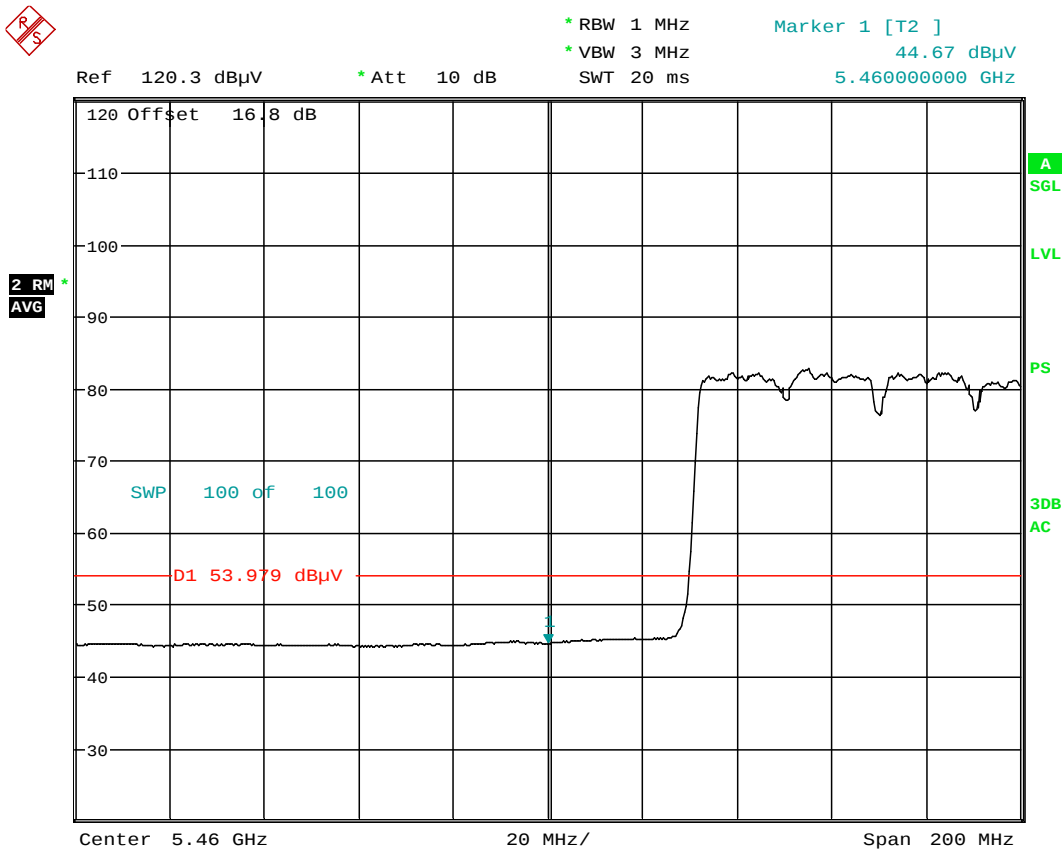
Worst Case Mode: 802.11ac (80MHz)

Worst Case Transfer Rate: MCS8

Distance of Measurements: 3 Meters

Operating Frequency: 5530MHz

Channel: 106

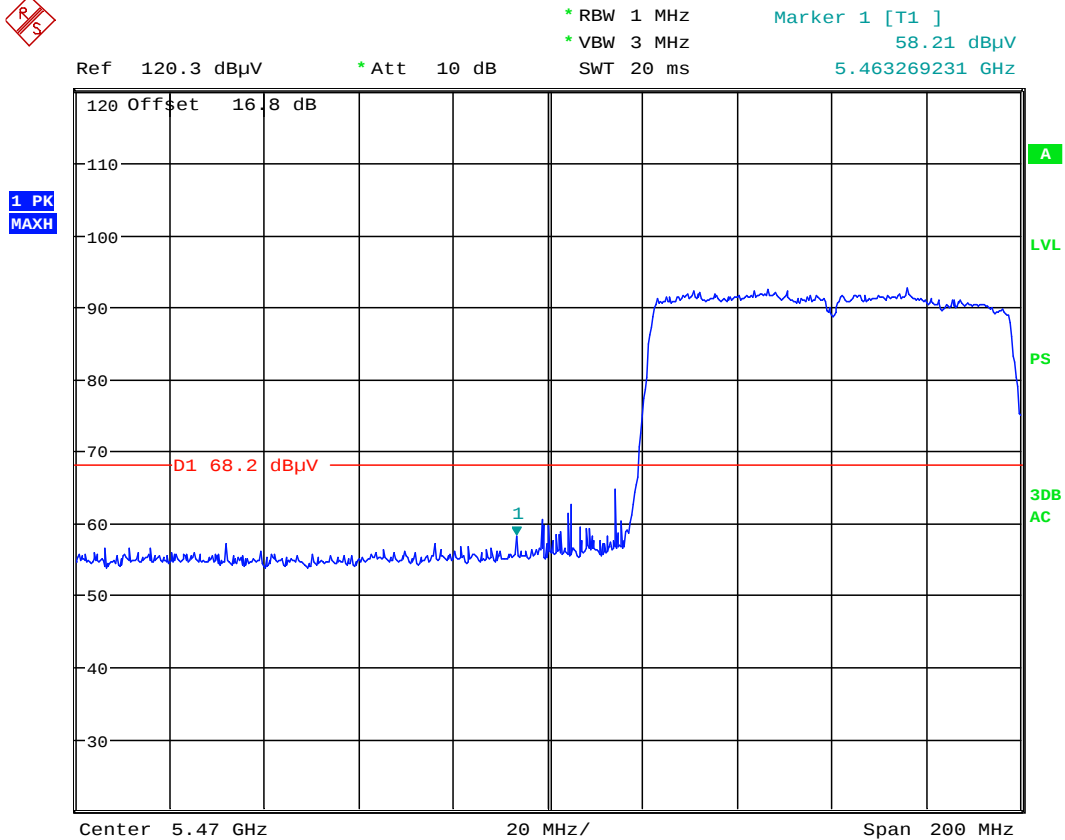


Date: 6.DEC.2013 23:00:48

Plot 6-186. Radiated Restricted Lower Band Edge Plot (Average – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 171 of 179

Radiated Band Edge Measurements (80MHz BW) (Cont'd) §15.407(b)(1) and (2), §15.205 & §15.209; RSS-210 [A9.2]



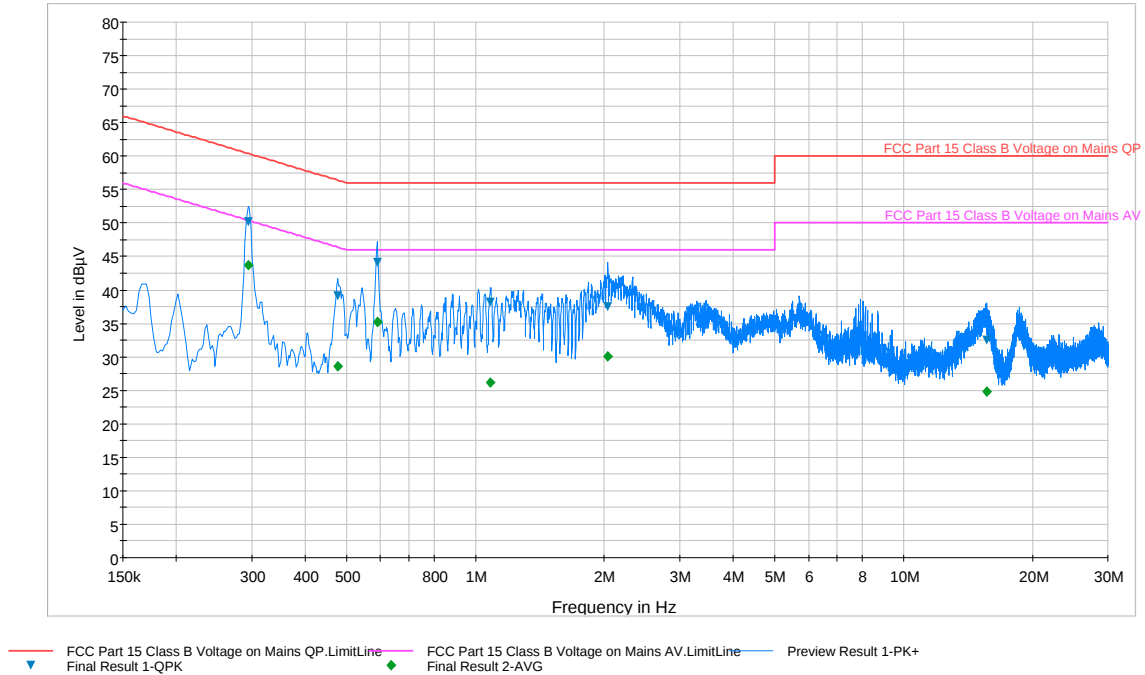
Date: 6.DEC.2013 23:01:13

Plot 6-187. Radiated Restricted Lower Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 172 of 179

6.11 Line-Conducted Test Data

§15.207; RSS-Gen [7.2.2]



Plot 6-188. Line Conducted Plot with 802.11a UNII Band 1 (L1)

Frequency MHz	Line	Corr. dB	QuasiPeak dBµV	Limit dBµV	Margin dB	Average dBµV	Limit dBµV	Margin dB
0.294	L1	0.1	50.20	60.40	10.20	43.80	50.40	6.60
0.476	L1	0.0	39.10	56.40	17.30	28.60	46.40	17.80
0.589	L1	0.0	44.10	56.00	11.90	35.20	46.00	10.80
1.084	L1	0.2	38.20	56.00	17.80	26.20	46.00	19.80
2.038	L1	0.2	37.50	56.00	18.50	30.10	46.00	15.90
15.637	L1	0.9	32.50	60.00	27.50	24.80	50.00	25.20

Table 6-51. Line Conducted Data with 802.11a UNII Band 1 (L1)

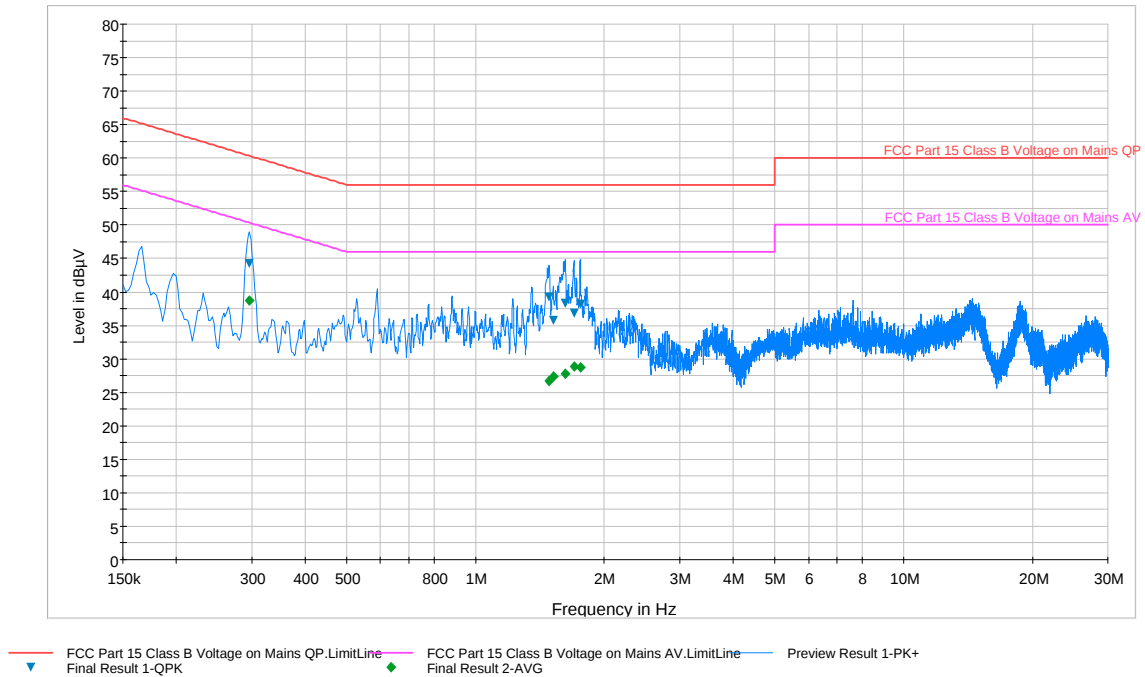
Notes:

- All modes of operation, data rates, and test channels were investigated and the worst-case emissions are reported in 802.11a mode using 6Mbps on Channel 36. The emissions found were not affected by the choice of channel used during testing.
- The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.207 of the Title 47 CFR.
- L1 = Phase; N = Neutral
- Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- QP/AV Level (dBµV) = QP/AV Analyzer/Receiver Level (dBµV) + Corr. (dB)
- Margin (dB) = QP/AVLimit (dBµV) - QP/AV Level (dBµV)
- Traces shown in plot are made using a peak detector.
- Deviations to the Specifications: None.

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 173 of 179

Line-Conducted Test Data (Cont'd)

§15.207; RSS-Gen [7.2.2]



Plot 6-189. Line Conducted Plot with 802.11a UNII Band 1 (N)

Frequency MHz	Line	Corr. dB	QuasiPeak dBµV	Limit dBµV	Margin dB	Average dBµV	Limit dBµV	Margin dB
0.296	N	0.1	44.20	60.30	16.10	38.70	50.30	11.60
1.484	N	0.2	39.30	56.00	16.70	26.70	46.00	19.30
1.518	N	0.2	35.80	56.00	20.20	27.40	46.00	18.60
1.622	N	0.2	38.40	56.00	17.60	27.80	46.00	18.20
1.700	N	0.2	36.80	56.00	19.20	28.90	46.00	17.10
1.757	N	0.2	38.20	56.00	17.80	28.70	46.00	17.30

Table 6-52. Line Conducted Data with 802.11a UNII Band 1 (N)

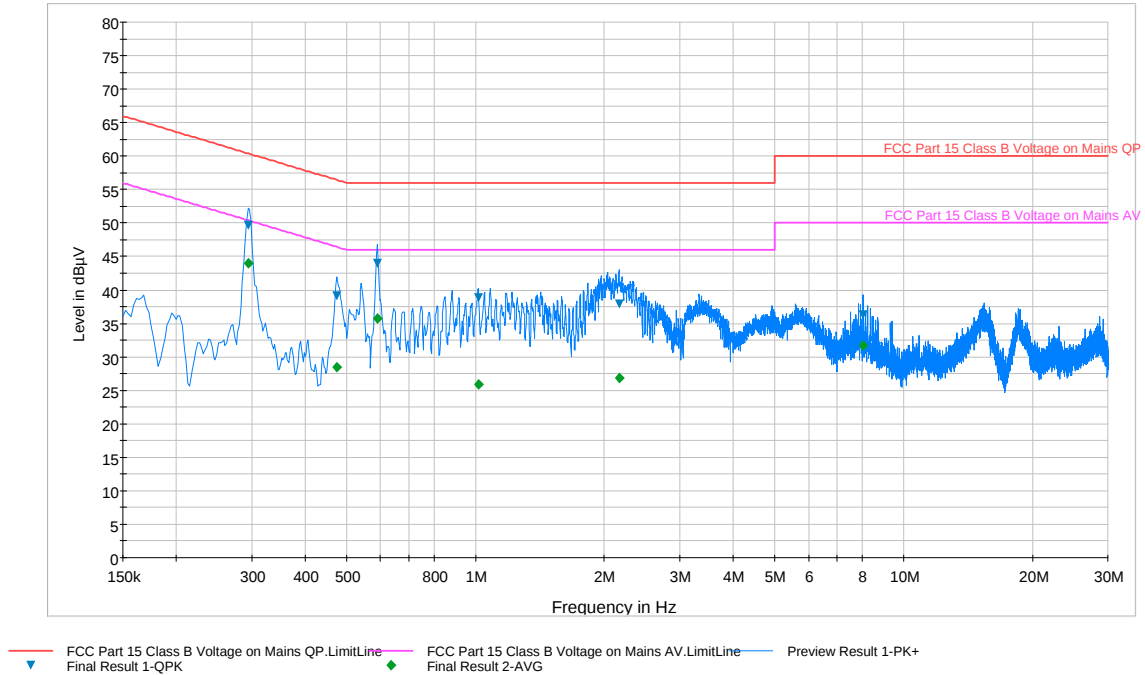
Notes:

- All modes of operation, data rates, and test channels were investigated and the worst-case emissions are reported in 802.11a mode using 6Mbps on Channel 36. The emissions found were not affected by the choice of channel used during testing.
- The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.207 of the Title 47 CFR.
- L1 = Phase; N = Neutral
- Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- QP/AV Level (dBµV) = QP/AV Analyzer/Receiver Level (dBµV) + Corr. (dB)
- Margin (dB) = QP/AVLimit (dBµV) - QP/AV Level (dBµV)
- Traces shown in plot are made using a peak detector.
- Deviations to the Specifications: None.

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 174 of 179

Line-Conducted Test Data (Cont'd)

§15.207; RSS-Gen [7.2.2]



Plot 6-190. Line Conducted Plot with 802.11a UNII Band 2A (L1)

Frequency MHz	Line	Corr. dB	QuasiPeak dBµV	Limit dBµV	Margin dB	Average dBµV	Limit dBµV	Margin dB
0.294	L1	0.1	49.70	60.40	10.70	44.00	50.40	6.40
0.474	L1	0.0	39.10	56.40	17.30	28.40	46.40	18.00
0.589	L1	0.0	44.00	56.00	12.00	35.80	46.00	10.20
1.014	L1	0.2	38.80	56.00	17.20	25.80	46.00	20.20
2.164	L1	0.2	37.90	56.00	18.10	26.80	46.00	19.20
8.043	L1	0.5	36.20	60.00	23.80	31.70	50.00	18.30

Table 6-53. Line Conducted Data with 802.11a UNII Band 2A (L1)

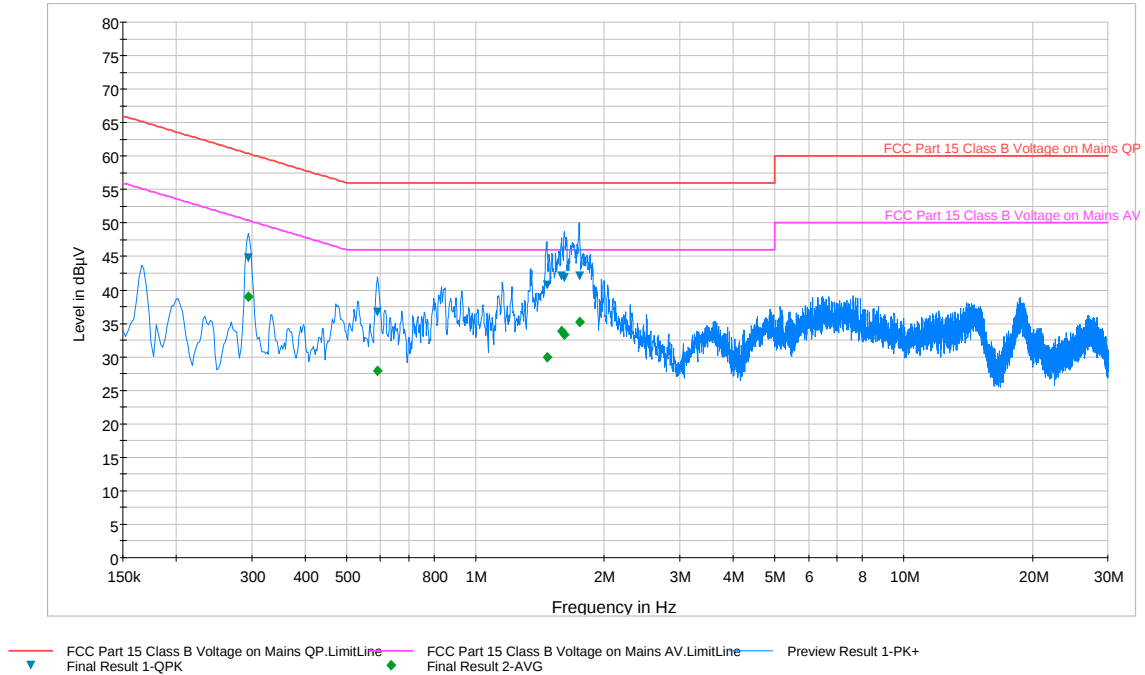
Notes:

- All modes of operation, data rates, and test channels were investigated and the worst-case emissions are reported in 802.11a mode using 6Mbps on Channel 52. The emissions found were not affected by the choice of channel used during testing.
- The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.207 of the Title 47 CFR.
- L1 = Phase; N = Neutral
- Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- QP/AV Level (dBµV) = QP/AV Analyzer/Receiver Level (dBµV) + Corr. (dB)
- Margin (dB) = QP/AVLimit (dBµV) - QP/AV Level (dBµV)
- Traces shown in plot are made using a peak detector.
- Deviations to the Specifications: None.

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 175 of 179

Line-Conducted Test Data (Cont'd)

§15.207; RSS-Gen [7.2.2]



Plot 6-191. Line Conducted Plot with 802.11a UNII Band 2A (N)

Frequency MHz	Line	Corr. dB	QuasiPeak dBµV	Limit dBµV	Margin dB	Average dBµV	Limit dBµV	Margin dB
0.294	N	0.1	44.80	60.40	15.60	39.00	50.40	11.40
0.591	N	0.1	36.80	56.00	19.20	27.90	46.00	18.10
1.469	N	0.2	40.80	56.00	15.20	30.00	46.00	16.00
1.588	N	0.2	42.10	56.00	13.90	33.80	46.00	12.20
1.613	N	0.2	41.90	56.00	14.10	33.30	46.00	12.70
1.748	N	0.2	42.10	56.00	13.90	35.20	46.00	10.80

Table 6-54. Line Conducted Data with 802.11a UNII Band 2A (N)

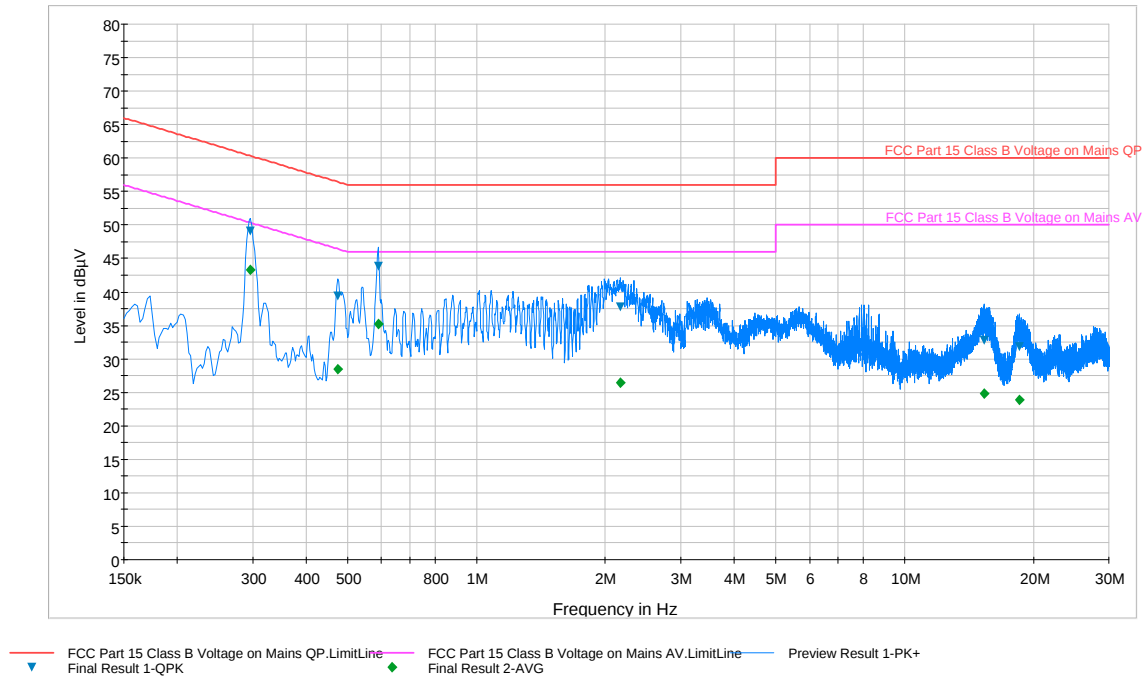
Notes:

- All modes of operation, data rates, and test channels were investigated and the worst-case emissions are reported in 802.11a mode using 6Mbps on Channel 52. The emissions found were not affected by the choice of channel used during testing.
- The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.207 of the Title 47 CFR.
- L1 = Phase; N = Neutral
- Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- QP/AV Level (dBµV) = QP/AV Analyzer/Receiver Level (dBµV) + Corr. (dB)
- Margin (dB) = QP/AVLimit (dBµV) - QP/AV Level (dBµV)
- Traces shown in plot are made using a peak detector.
- Deviations to the Specifications: None.

FCC ID: A3LSMP905M	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 15.407 802.11a/n/ac UNII MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312182451.A3L	Test Dates: 12/4-12/20/2013	EUT Type: Portable Tablet Computer		Page 176 of 179

Line-Conducted Test Data (Cont'd)

§15.207; RSS-Gen [7.2.2]



Plot 6-192. Line Conducted Plot with 802.11a UNII Band 2C (L1)

Frequency MHz	Line	Corr. dB	QuasiPeak dBµV	Limit dBµV	Margin dB	Average dBµV	Limit dBµV	Margin dB
0.296	L1	0.1	49.10	60.30	11.20	43.30	50.30	7.00
0.474	L1	0.0	39.40	56.40	17.00	28.40	46.40	18.00
0.589	L1	0.0	43.90	56.00	12.10	35.20	46.00	10.80
2.166	L1	0.2	37.80	56.00	18.20	26.50	46.00	19.50
15.329	L1	0.9	32.80	60.00	27.20	24.80	50.00	25.20
18.551	L1	1.2	31.90	60.00	28.10	23.80	50.00	26.20

Table 6-55. Line Conducted Plot with 802.11a UNII Band 2C (L1)

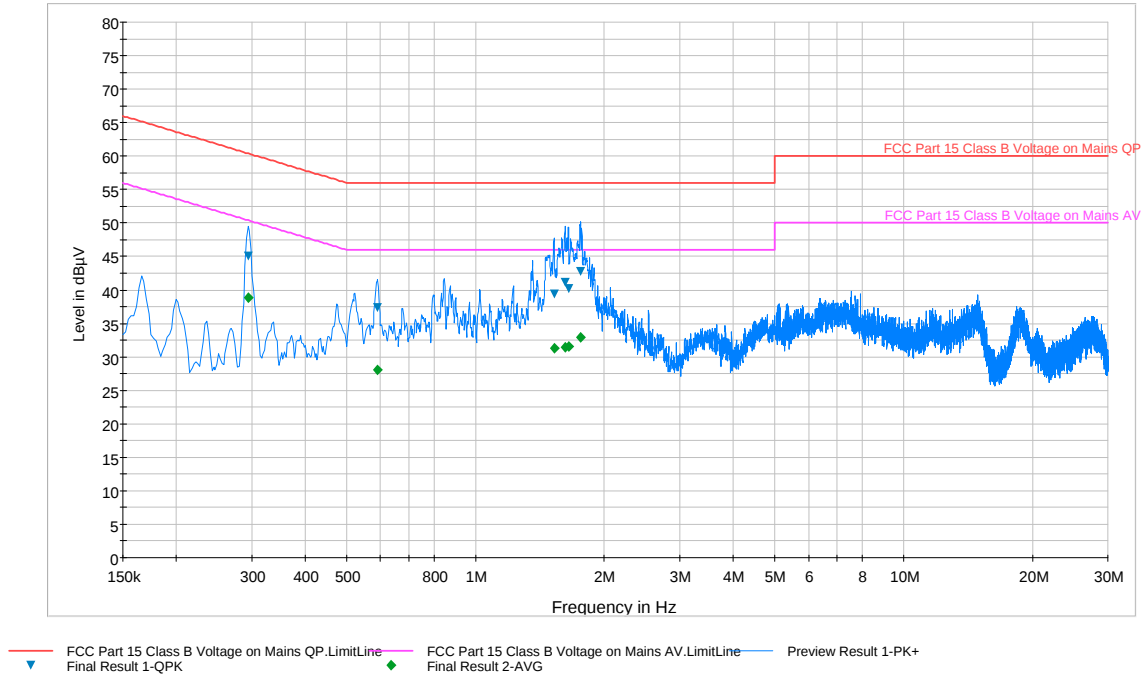
Notes:

- All modes of operation, data rates, and test channels were investigated and the worst-case emissions are reported in 802.11a mode using 6Mbps on Channel 100. The emissions found were not affected by the choice of channel used during testing.
- The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.207 of the Title 47 CFR.
- L1 = Phase; N = Neutral
- Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- QP/AV Level (dBµV) = QP/AV Analyzer/Receiver Level (dBµV) + Corr. (dB)
- Margin (dB) = QP/AVLimit (dBµV) - QP/AV Level (dBµV)
- Traces shown in plot are made using a peak detector.
- Deviations to the Specifications: None.

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Line-Conducted Test Data (Cont'd)

§15.207; RSS-Gen [7.2.2]



Plot 6-193. Line Conducted Plot with 802.11a UNII Band 2C (N)

Frequency MHz	Line	Corr. dB	QuasiPeak dBµV	Limit dBµV	Margin dB	Average dBµV	Limit dBµV	Margin dB
0.294	N	0.1	45.00	60.40	15.40	38.80	50.40	11.60
0.589	N	0.1	37.30	56.00	18.70	28.10	46.00	17.90
1.525	N	0.2	39.40	56.00	16.60	31.20	46.00	14.80
1.619	N	0.2	41.10	56.00	14.90	31.50	46.00	14.50
1.649	N	0.2	40.20	56.00	15.80	31.60	46.00	14.40
1.759	N	0.2	42.80	56.00	13.20	32.90	46.00	13.10

Table 6-56. Line Conducted Data with 802.11a UNII Band 2C (N)

Notes:

- All modes of operation, data rates, and test channels were investigated and the worst-case emissions are reported in 802.11a mode using 6Mbps on Channel 100. The emissions found were not affected by the choice of channel used during testing.
- The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.207 of the Title 47 CFR.
- L1 = Phase; N = Neutral
- Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- QP/AV Level (dBµV) = QP/AV Analyzer/Receiver Level (dBµV) + Corr. (dB)
- Margin (dB) = QP/AVLimit (dBµV) - QP/AV Level (dBµV)
- Traces shown in plot are made using a peak detector.
- Deviations to the Specifications: None.

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7.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Tablet Computer FCC ID: A3LSMP905M** is in compliance with Part 15E of the FCC Rules.

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