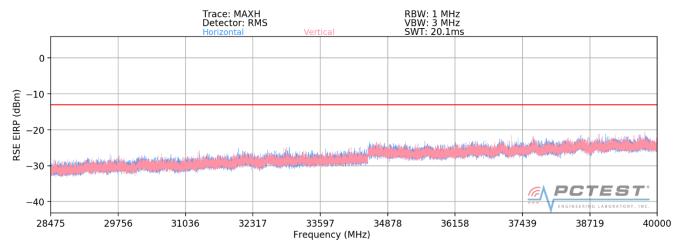
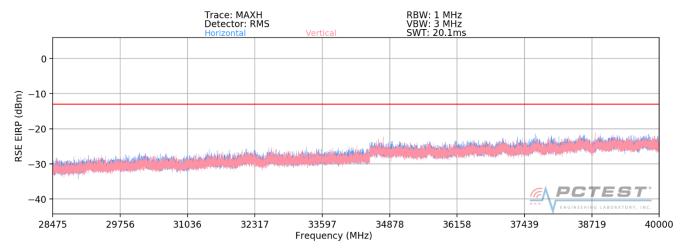


28.475GHz - 40GHz



Plot 7-131. Ant3-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-132. Ant3-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 129 of 286
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
28605.11	Low	50	Н	QPSK	Н	83	49	-25.28	-13.00	-12.28
28605.34	Low	50	V	QPSK	Н	196	141	-23.55	-13.00	-10.55
30137.87	Mid	50	Н	QPSK	Н	75	52	-29.57	-13.00	-16.57
30137.87	Mid	50	V	QPSK	Н	192	128	-28.73	-13.00	-15.73
29740.61	High	50	Н	QPSK	Н	79	46	-27.50	-13.00	-14.50
29740.61	High	50	V	QPSK	Н	190	133	-26.32	-13.00	-13.32

Table 7-79. Ant3 - SISO -Spurious Emissions Table (28.475GHz - 40GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-21.32	-13.00	-8.32
Mid	50	QPSK	-26.12	-13.00	-13.12
High	50	QPSK	-23.86	-13.00	-10.86

Table 7-80. Ant3 - MIMO -Spurious Emissions Table (28.475GHz - 40GHz)

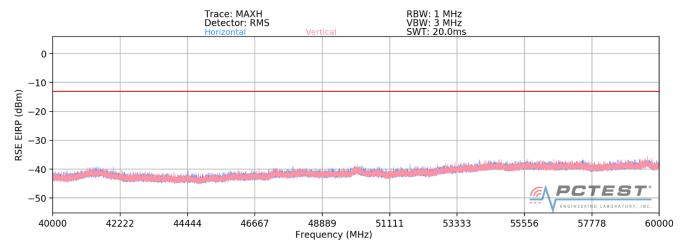
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

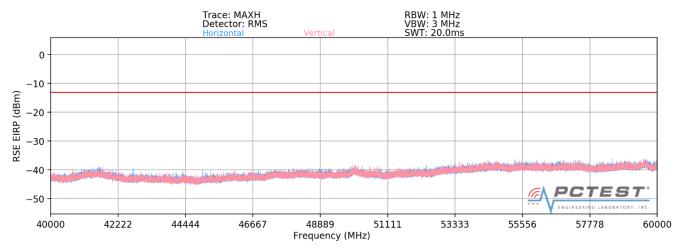
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 120 of 206
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40GHz - 60GHz



Plot 7-133. Ant3-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-134. Ant3-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam - ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 121 of 206
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
55070.88	Low	50	Н	QPSK	Н	73	221	-52.65	-13.00	-39.65
55071.06	Low	50	V	QPSK	V	39	341	-48.79	-13.00	-35.79
55845.27	Mid	50	Н	QPSK	Н	73	220	-49.95	-13.00	-36.95
55845.03	Mid	50	V	QPSK	V	99	213	-46.89	-13.00	-33.89
56639.85	High	50	Н	QPSK	Н	69	217	-48.70	-13.00	-35.70
56639.67	High	50	V	QPSK	V	43	331	-52.19	-13.00	-39.19

Table 7-81. Ant3 - SISO -Spurious Emissions Table (40GHz - 60GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-47.29	-13.00	-34.29
Mid	50	QPSK	-45.15	-13.00	-32.15
High	50	QPSK	-47.09	-13.00	-34.09

Table 7-82. Ant3 - MIMO -Spurious Emissions Table (40GHz - 60GHz)

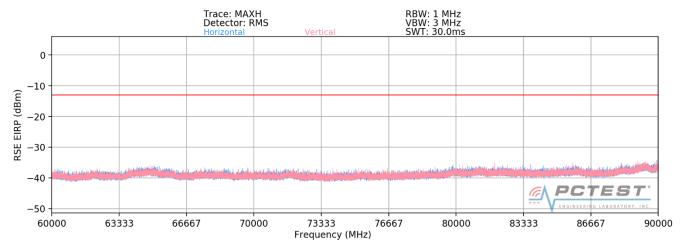
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

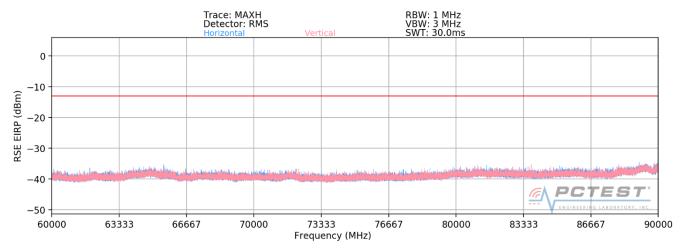
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 132 of 286
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60GHz - 90GHz



Plot 7-135. Ant3-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-136. Ant3-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
82602.15	Low	50	Н	QPSK	Н	211	55	-54.12	-13.00	-41.12
82604.45	Low	50	V	QPSK	V	313	125	-53.98	-13.00	-40.98
83767.48	Mid	50	Н	QPSK	Н	187	47	-54.13	-13.00	-41.13
83767.44	Mid	50	V	QPSK	V	257	148	-54.04	-13.00	-41.04
84961.57	High	50	Н	QPSK	Н	216	65	-53.61	-13.00	-40.61
84962.75	High	50	V	QPSK	V	46	184	-53.74	-13.00	-40.74

Table 7-83. Ant3 - SISO -Spurious Emissions Table (60GHz - 90GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-51.03	-13.00	-38.03
Mid	50	QPSK	-51.08	-13.00	-38.08
High	50	QPSK	-50.66	-13.00	-37.66

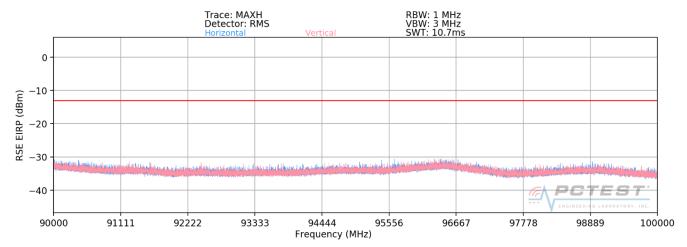
Table 7-84. Ant3 - MIMO -Spurious Emissions Table (60GHz - 90GHz)

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

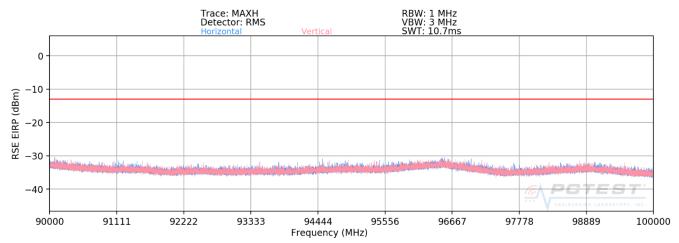
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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90GHz - 100GHz



Plot 7-137. Ant1-n263 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-138. Ant1-n263 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
96468.52	Low	50	Н	QPSK	V	-	-	-40.60	-13.00	-27.60
96464.80	Low	50	V	QPSK	V	1	1	-40.38	-13.00	-27.38
96474.28	Mid	50	Н	QPSK	V	1	1	-40.15	-13.00	-27.15
96472.33	Mid	50	V	QPSK	V	1	1	-40.48	-13.00	-27.48
96471.63	High	50	Н	QPSK	V	-	-	-40.47	-13.00	-27.47
96486.52	High	50	V	QPSK	V	-	-	-40.52	-13.00	-27.52

Table 7-85. Ant3 - SISO -Spurious Emissions Table (90GHz - 100GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-37.48	-13.00	-24.48
Mid	50	QPSK	-37.30	-13.00	-24.30
High	50	QPSK	-37.49	-13.00	-24.49

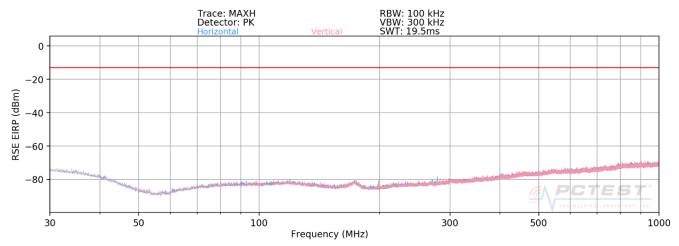
Table 7-86. Ant3 - MIMO -Spurious Emissions Table (90GHz - 100GHz)

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

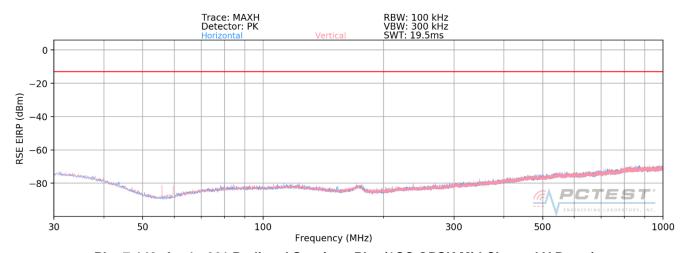
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 126 of 206
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Band n261 – Ant4 30MHz - 1GHz



Plot 7-139. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam)

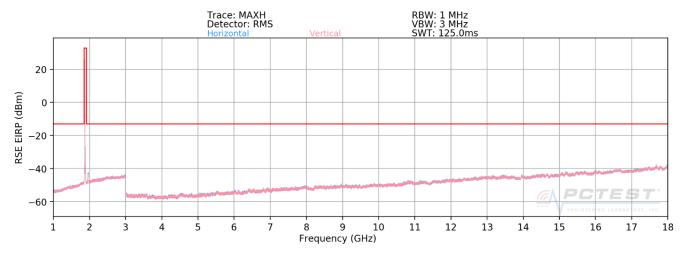


Plot 7-140. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam)

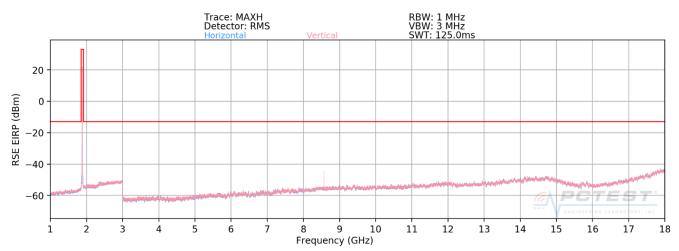
FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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1GHz - 18GHz



Plot 7-141. Ant4-n261 Radiated Spurious Plot 1GHz - 18GHz (1CC QPSK Mid Channel H Beam – ENDC Anchor Band 2)



Plot 7-142. Ant4-n261 Radiated Spurious Plot 1GHz - 18GHz (1CC QPSK Mid Channel V Beam - - ENDC Anchor Band 2)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Antenna Height [cm]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
8821.85	Low	50	Н	QPSK	Н	195	72	-49.39	-13.00	-36.39
8821.85	Low	50	V	QPSK	Н	259	3	-38.55	-13.00	-25.55
8569.16	Mid	50	Н	QPSK	Н	250	348	-50.08	-13.00	-37.08
8569.16	Mid	50	V	QPSK	Н	250	1	-43.00	-13.00	-30.00
8966.56	High	50	Н	QPSK	Н	199	72	-50.46	-13.00	-37.46
8966.56	High	50	V	QPSK	Н	231	1	-40.75	-13.00	-27.75

Table 7-87. Ant4 - SISO -Spurious Emissions Table (1GHz - 18GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-38.21	-13.00	-25.21
Mid	50	QPSK	-42.22	-13.00	-29.22
High	50	QPSK	-40.31	-13.00	-27.31

Table 7-88. Ant4 - MIMO -Spurious Emissions Table (1GHz - 18GHz)

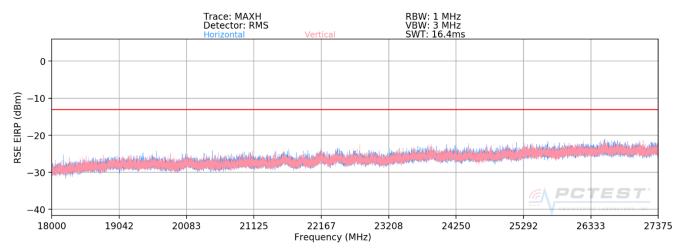
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

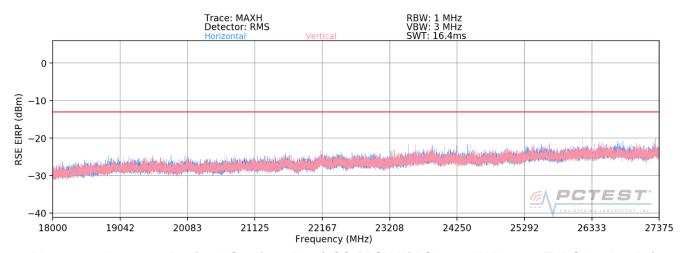
FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 139 of 286
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18GHz - 27.375GHz



Plot 7-143. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-144. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam - ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
27228.21	Low	50	Н	QPSK	V	278	327	-26.28	-13.00	-13.28
27381.93	Low	50	V	QPSK	V	184	217	-31.23	-13.00	-18.23
27385.32	Mid	50	Н	QPSK	V	273	320	-34.63	-13.00	-21.63
27385.23	Mid	50	V	QPSK	V	183	209	-33.39	-13.00	-20.39
27140.65	High	50	Н	QPSK	V	278	320	-35.22	-13.00	-22.22
26173.74	High	50	V	QPSK	V	-	-	-35.76	-13.00	-22.76

Table 7-89. Ant4 - SISO -Spurious Emissions Table (18GHz - 27.375GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-25.07	-13.00	-12.07
Mid	50	QPSK	-30.96	-13.00	-17.96
High	50	QPSK	-32.47	-13.00	-19.47

Table 7-90. Ant4 - MIMO -Spurious Emissions Table (18GHz - 27.375GHz)

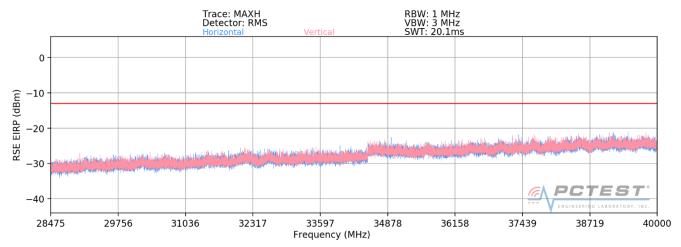
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

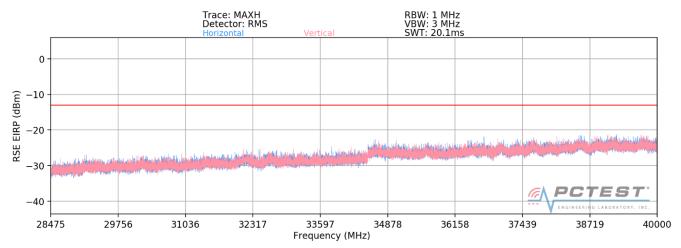
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 141 of 206
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28.475GHz - 40GHz



Plot 7-145. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-146. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
28605.45	Low	50	Н	QPSK	V	286	330	-25.05	-13.00	-12.05
28605.45	Low	50	V	QPSK	V	189	218	-24.69	-13.00	-11.69
30138.10	Mid	50	Н	QPSK	V	274	317	-30.14	-13.00	-17.14
30138.10	Mid	50	V	QPSK	V	199	226	-30.23	-13.00	-17.23
28626.08	High	50	Н	QPSK	V	372	319	-28.00	-13.00	-15.00
29740.38	High	50	V	QPSK	V	199	219	-28.89	-13.00	-15.89

Table 7-91. Ant4 - SISO -Spurious Emissions Table (28.475GHz - 40GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-21.85	-13.00	-8.85
Mid	50	QPSK	-27.18	-13.00	-14.18
High	50	QPSK	-25.41	-13.00	-12.41

Table 7-92. Ant4 - MIMO -Spurious Emissions Table (28.475GHz - 40GHz)

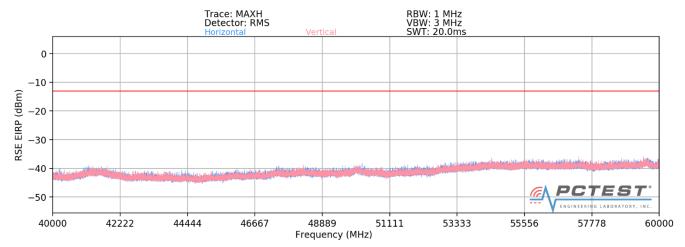
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

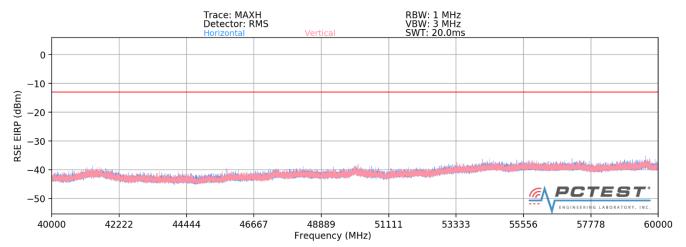
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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40GHz - 60GHz



Plot 7-147. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-148. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam - ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
55071.00	Low	50	Н	QPSK	V	333	16	-52.96	-13.00	-39.96
55070.67	Low	50	V	QPSK	V	338	11	-52.85	-13.00	-39.85
55845.36	Mid	50	Н	QPSK	V	324	39	-52.36	-13.00	-39.36
55845.27	Mid	50	V	QPSK	V	339	24	-53.38	-13.00	-40.38
56640.06	High	50	Н	QPSK	V	327	28	-50.37	-13.00	-37.37
56640.12	High	50	V	QPSK	V	220	36	-48.89	-13.00	-35.89

Table 7-93. Ant4 - SISO -Spurious Emissions Table (40GHz - 60GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]	
Low	50	QPSK	-49.89	-13.00	-36.89	
Mid	50	QPSK	-49.83	-13.00	-36.83	
High	50	QPSK	-46.56	-13.00	-33.56	

Table 7-94. Ant4 - MIMO -Spurious Emissions Table (40GHz - 60GHz)

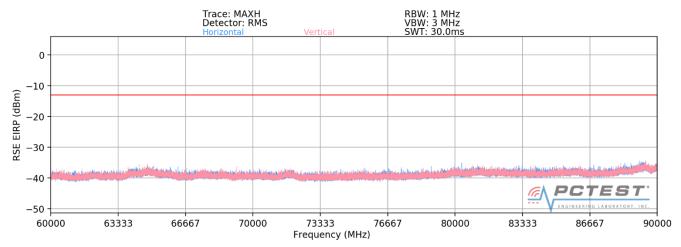
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

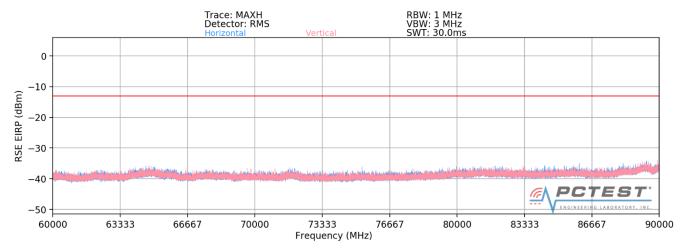
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 145 of 200
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60GHz - 90GHz



Plot 7-149. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-150. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 146 of 206
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
82604.15	Low	50	Н	QPSK	V	47	338	-54.01	-13.00	-41.01
82605.78	Low	50	V	QPSK	V	283	110	-53.86	-13.00	-40.86
83765.74	Mid	50	Н	QPSK	V	302	273	-54.21	-13.00	-41.21
83766.27	Mid	50	V	QPSK	V	308	354	-54.14	-13.00	-41.14
84960.51	High	50	Н	QPSK	V	22	313	-53.73	-13.00	-40.73
84961.15	High	50	V	QPSK	V	69	120	-53.76	-13.00	-40.76

Table 7-95. Ant4 - SISO -Spurious Emissions Table (60GHz - 90GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]	
Low	50	QPSK	-50.92	-13.00	-37.92	
Mid	50	QPSK	-51.16	-13.00	-38.16	
High	50	QPSK	-50.74	-13.00	-37.74	

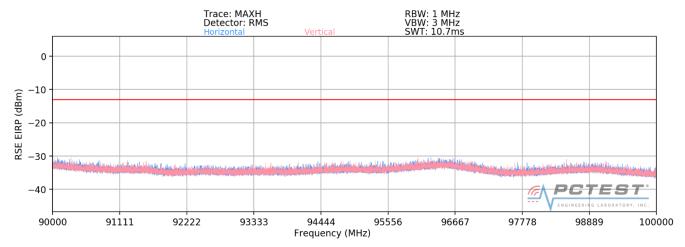
Table 7-96. Ant4 - MIMO -Spurious Emissions Table (60GHz - 90GHz)

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

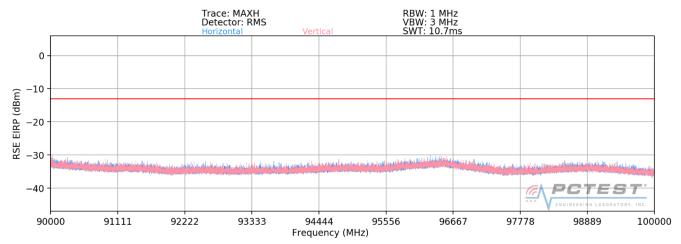
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 147 of 206
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90GHz - 100GHz



Plot 7-151. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC Anchor B2)



Plot 7-152. Ant4-n261 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC Anchor B2)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
96447.44	Low	50	Н	QPSK	V	-	-	-40.04	-13.00	-27.04
96453.62	Low	50	V	QPSK	V	-	-	-40.84	-13.00	-27.84
96434.30	Mid	50	Н	QPSK	V	1	1	-40.06	-13.00	-27.06
96450.05	Mid	50	V	QPSK	V	1	1	-40.14	-13.00	-27.14
96444.66	High	50	Н	QPSK	V	-	-	-40.51	-13.00	-27.51
96456.48	High	50	V	QPSK	V	-	-	-40.49	-13.00	-27.49

Table 7-97. Ant4 - SISO -Spurious Emissions Table (90GHz - 100GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]	
Low	50	QPSK	-37.41	-13.00	-24.41	
Mid	50	QPSK	-37.09	-13.00	-24.09	
High	50	QPSK	-37.49	-13.00	-24.49	

Table 7-98. Ant4 - MIMO -Spurious Emissions Table (90GHz - 100GHz)

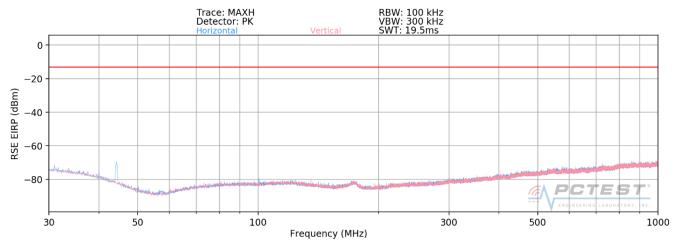
- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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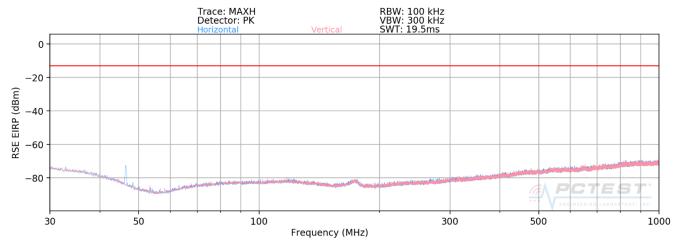


Band n260- Ant1

30MHz - 1GHz



Plot 7-153. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam)

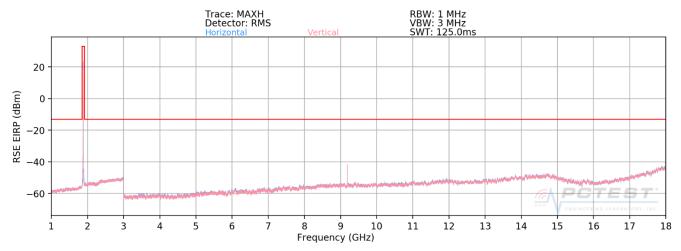


Plot 7-154. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam)

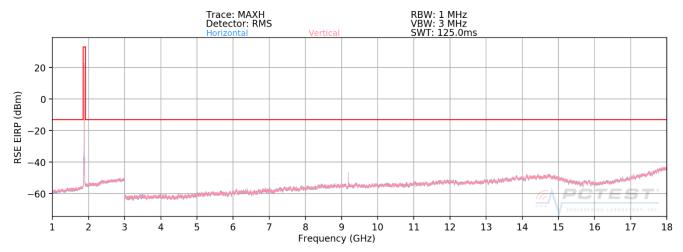
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Down 150 of 200
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1GHz - 18GHz



Plot 7-155. Ant1-n260 Radiated Spurious Plot 1GHz - 18GHz (1CC QPSK Mid Channel H Beam - ENDC)



Plot 7-156. Ant1-n260 Radiated Spurious Plot 1GHz - 18GHz (1CC QPSK Mid Channel V Beam - ENDC)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Antenna Height [cm]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
8407.15	Low	50	Н	QPSK	V	238	336	-45.62	-13.00	-32.62
8407.15	Low	50	V	QPSK	Н	278	10	-48.17	-13.00	-35.17
9109.17	Mid	50	Н	QPSK	V	141	341	-42.00	-13.00	-29.00
9109.17	Mid	50	V	QPSK	Н	147	311	-46.35	-13.00	-33.35
9144.46	High	50	Н	QPSK	V	257	350	-42.34	-13.00	-29.34
9144.46	High	50	V	QPSK	Н	216	307	-46.53	-13.00	-33.53

Table 7-99. Ant1 - SISO -Spurious Emissions Table (1GHz - 18GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]	
Low	50	QPSK	-43.70	-13.00	-30.70	
Mid	50	QPSK	-40.64	-13.00	-27.64	
High	50	QPSK	-40.94	-13.00	-27.94	

Table 7-100. Ant1 - MIMO -Spurious Emissions Table (1GHz - 18GHz)

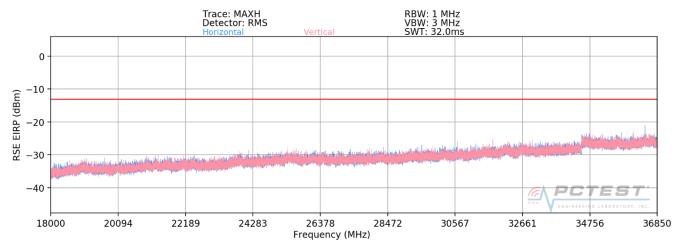
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

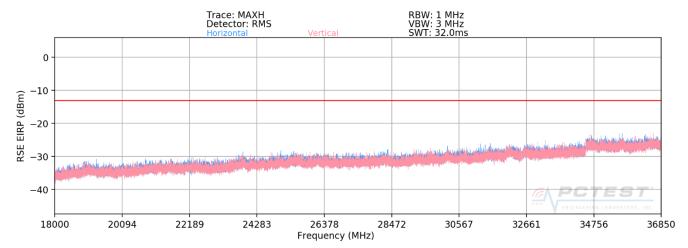
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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18GHz - 36.85GHz



Plot 7-157. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC)



Plot 7-158. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam - ENDC)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
36639.02	Low	50	Н	QPSK	Н	111	86	-31.93	-13.00	-18.93
36644.20	Low	50	V	QPSK	V	84	74	-31.42	-13.00	-18.42
36713.40	Mid	50	Н	QPSK	Н	112	54	-31.05	-13.00	-18.05
36537.70	Mid	50	V	QPSK	V	88	65	-31.77	-13.00	-18.77
36843.72	High	50	Н	QPSK	Н	119	34	-30.60	-13.00	-17.60
36979.30	High	50	V	QPSK	V	91	48	-30.99	-13.00	-17.99

Table 7-101. Ant1 - SISO -Spurious Emissions Table (18GHz - 36.85GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-28.65	-13.00	-15.65
Mid	50	QPSK	-28.39	-13.00	-15.39
High	50	QPSK	-27.78	-13.00	-14.78

Table 7-102. Ant1 - MIMO -Spurious Emissions Table (18GHz - 36.85GHz)

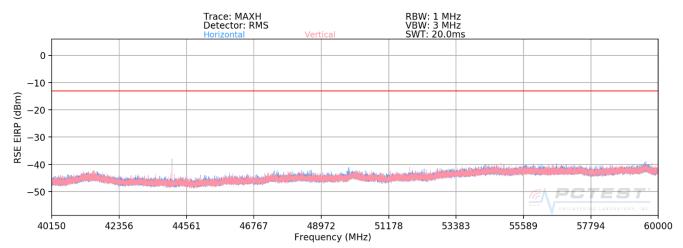
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

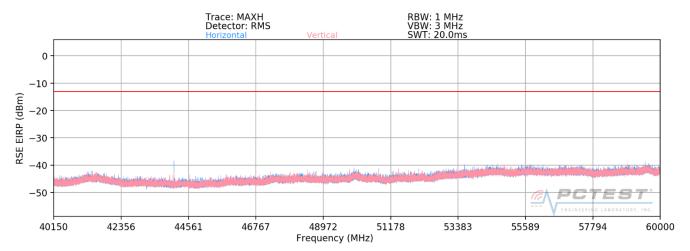
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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40.15GHz - 60GHz



Plot 7-159. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam - ENDC)



Plot 7-160. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam - ENDC)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Antenna Height [cm]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
44083.16	Low	50	Н	QPSK	V	358	155	-29.47	-13.00	-16.47
44083.19	Low	50	V	QPSK	V	350	150	-31.49	-13.00	-18.49
44083.15	Mid	50	Н	QPSK	V	9	158	-29.61	-13.00	-16.61
44083.16	Mid	50	V	QPSK	V	10	155	-30.49	-13.00	-17.49
44083.16	High	50	Н	QPSK	V	170	155	-32.97	-13.00	-19.97
44083.16	High	50	V	QPSK	V	175	150	-31.55	-13.00	-18.55

Table 7-103. Ant1 - SISO -Spurious Emissions Table (40.15GHz - 60GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]	
Low	50	QPSK	-27.35	-13.00	-14.35	
Mid	50	QPSK	-27.02	-13.00	-14.02	
High	50	QPSK	-29.19	-13.00	-16.19	

Table 7-104. Ant1 - MIMO -Spurious Emissions Table (40.15GHz - 60GHz)

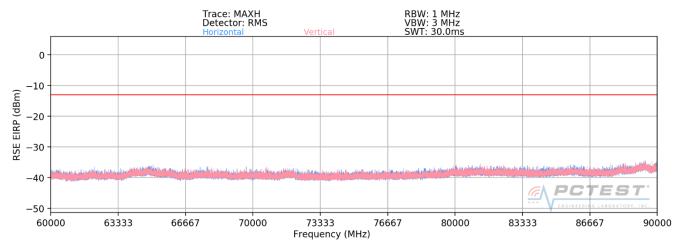
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

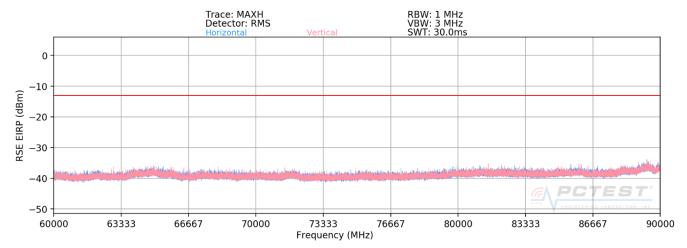
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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60GHz - 90GHz



Plot 7-161. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC)



Plot 7-162. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam - ENDC)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 157 of 200
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
74056.80	Low	50	Н	QPSK	Н	168	8	-49.47	-13.00	-36.47
74056.20	Low	50	V	QPSK	Н	144	11	-50.40	-13.00	-37.40
76994.70	Mid	50	Н	QPSK	Н	1	1	-54.63	-13.00	-41.63
76996.02	Mid	50	V	QPSK	Н	143	0	-53.17	-13.00	-40.17
79942.92	High	50	Н	QPSK	Н	1	-	-53.89	-13.00	-40.89
79924.86	High	50	V	QPSK	Н	-	-	-53.90	-13.00	-40.90

Table 7-105. Ant1 - SISO -Spurious Emissions Table (60GHz - 90GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious ulation Emission Level [dBm]		Margin [dB]	
Low	50	QPSK	-46.90	-13.00	-33.90	
Mid	50	QPSK	-50.83	-13.00	-37.83	
High	50	QPSK	-50.88	-13.00	-37.88	

Table 7-106. Ant1 - MIMO -Spurious Emissions Table (60GHz - 90GHz)

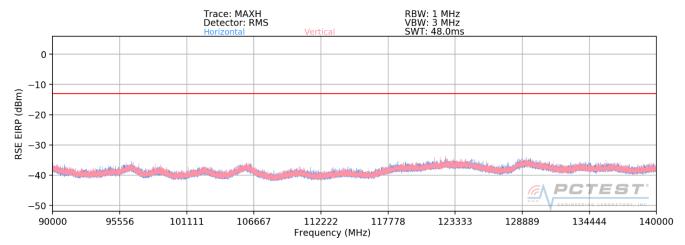
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

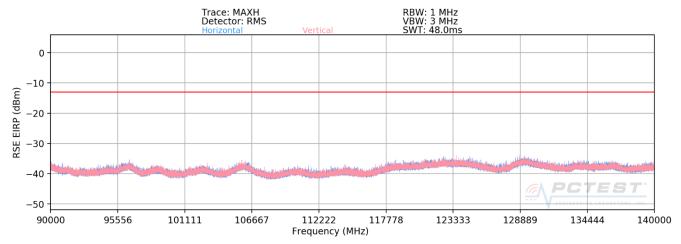
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Down 150 of 200
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90GHz - 140GHz



Plot 7-163. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC)



Plot 7-164. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 450 of 200
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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
111083.73	Low	50	Н	QPSK	V	319	105	-43.66	-13.00	-30.66
111083.64	Low	50	V	QPSK	V	38	276	-43.76	-13.00	-30.76
115500.72	Mid	50	Н	QPSK	V	1	1	-51.16	-13.00	-38.16
115503.51	Mid	50	V	QPSK	V	1	1	-51.28	-13.00	-38.28
119885.67	High	50	Н	QPSK	V	1	1	-48.94	-13.00	-35.94
119905.11	High	50	V	QPSK	V	-	-	-49.02	-13.00	-36.02

Table 7-107. Ant1 - SISO -Spurious Emissions Table (90GHz - 140GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-40.70	-13.00	-27.70
Mid	50	QPSK	-48.21	-13.00	-35.21
High	50	QPSK	-45.97	-13.00	-32.97

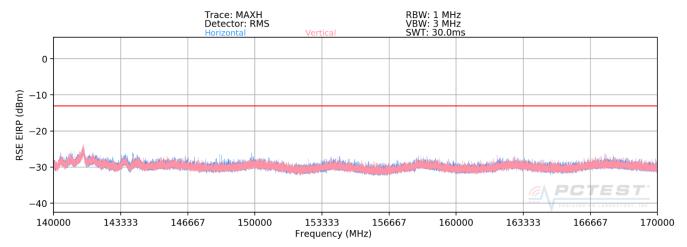
Table 7-108. Ant1 - MIMO -Spurious Emissions Table (90GHz - 140GHz)

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

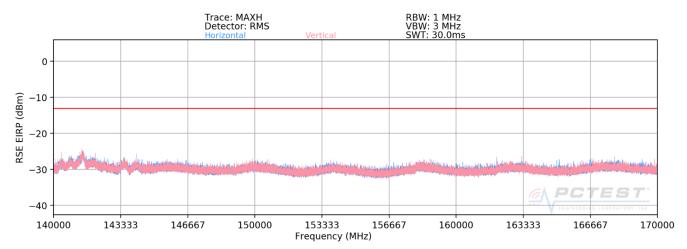
FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 160 of 206
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140GHz - 170GHz



Plot 7-165. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC)



Plot 7-166. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC)

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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
141443.00	Low	50	Н	QPSK	V	-	-	-32.39	-13.00	-19.39
141472.50	Low	50	V	QPSK	V	-	-	-32.71	-13.00	-19.71
141478.00	Mid	50	Н	QPSK	V	1	1	-32.83	-13.00	-19.83
141456.00	Mid	50	V	QPSK	V	1	1	-33.12	-13.00	-20.12
141462.50	High	50	Н	QPSK	V	-	-	-32.38	-13.00	-19.38
141431.50	High	50	V	QPSK	V	-	-	-32.42	-13.00	-19.42

Table 7-109. Ant1 - SISO -Spurious Emissions Table (140GHz - 170GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-29.54	-13.00	-16.54
Mid	50	QPSK	-29.96	-13.00	-16.96
High	50	QPSK	-29.39	-13.00	-16.39

Table 7-110. Ant1 - MIMO -Spurious Emissions Table (140GHz - 170GHz)

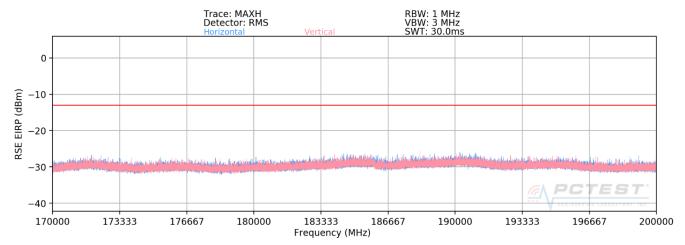
Notes

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

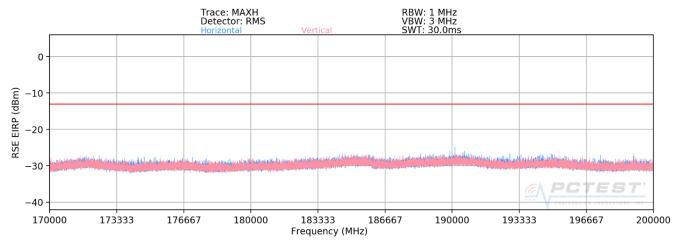
FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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170GHz - 200GHz



Plot 7-167. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel H Beam – ENDC)



Plot 7-168. Ant1-n260 Radiated Spurious Plot (1CC QPSK Mid Channel V Beam – ENDC)

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The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) - 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Turntable Azimuth [degrees]	Positioner Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
171998.50	Low	50	Н	QPSK	V	-	-	-34.95	-13.00	-21.95
172330.00	Low	50	V	QPSK	V	-	-	-35.16	-13.00	-22.16
191044.00	Mid	50	Н	QPSK	V	1	1	-35.01	-13.00	-22.01
191058.50	Mid	50	V	QPSK	V	1	-	-35.24	-13.00	-22.24
172031.50	High	50	Н	QPSK	V	-	-	-35.06	-13.00	-22.06
172094.00	High	50	V	QPSK	V	-	-	-35.20	-13.00	-22.20

Table 7-111. Ant1 - SISO -Spurious Emissions Table (170GHz - 200GHz)

Channnel	Bandwidth (MHz)	Modulation	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
Low	50	QPSK	-32.05	-13.00	-19.05
Mid	50	QPSK	-32.11	-13.00	-19.11
High	50	QPSK	-32.12	-13.00	-19.12

Table 7-112. Ant1 - MIMO -Spurious Emissions Table (170GHz - 200GHz)

- 1. The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2. To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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