

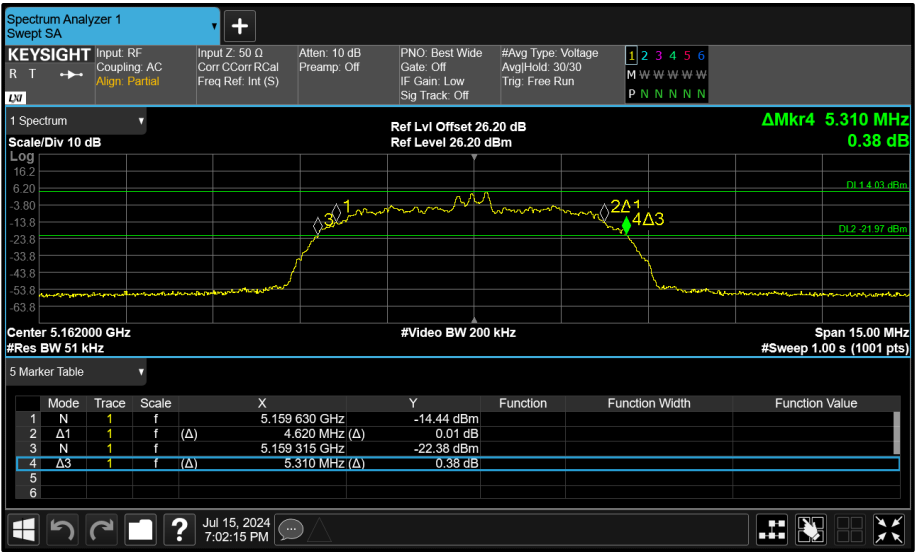


Figure 89 - Core 1 (B) 5162 MHz (CH12) 26 dB and 99% Bandwidth

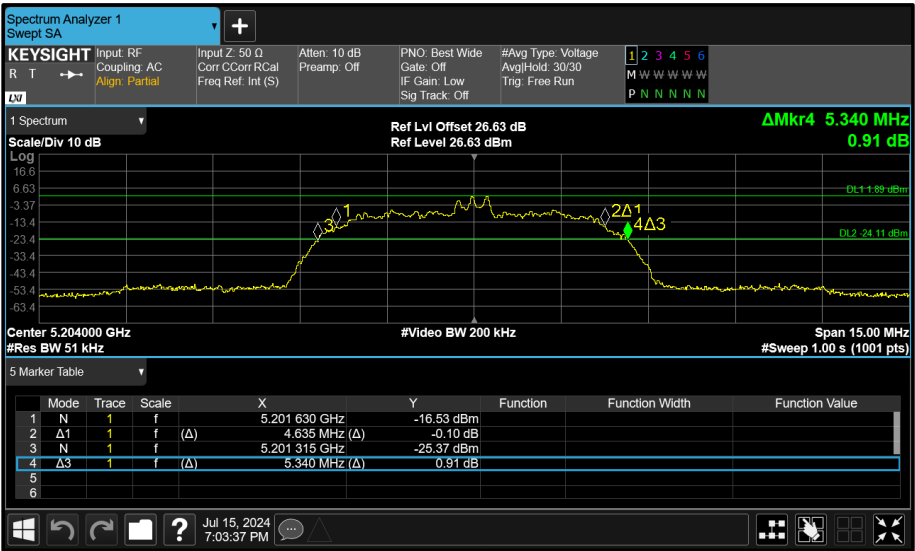


Figure 90 - Core 0 (A) 5204 MHz (CH54) 26 dB and 99% Bandwidth

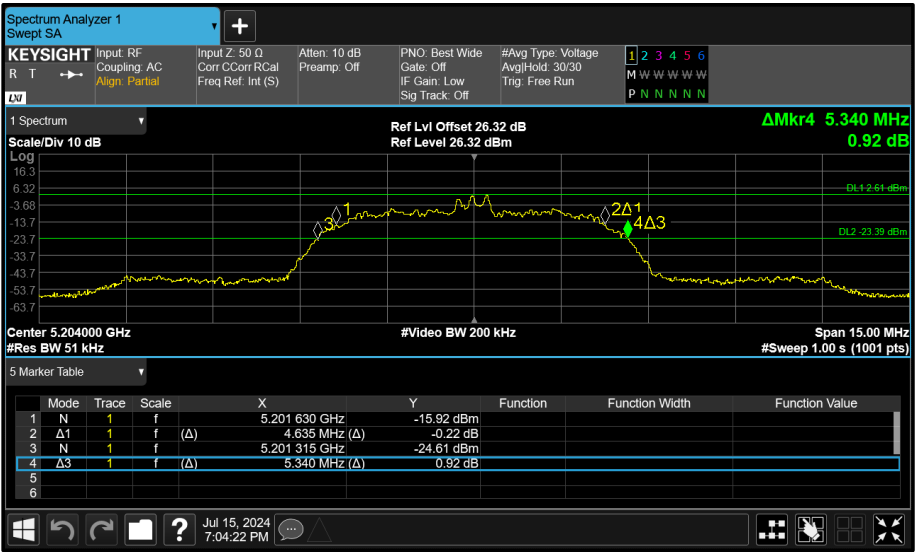


Figure 91 - Core 1 (B) 5204 MHz (CH54) 26 dB and 99% Bandwidth

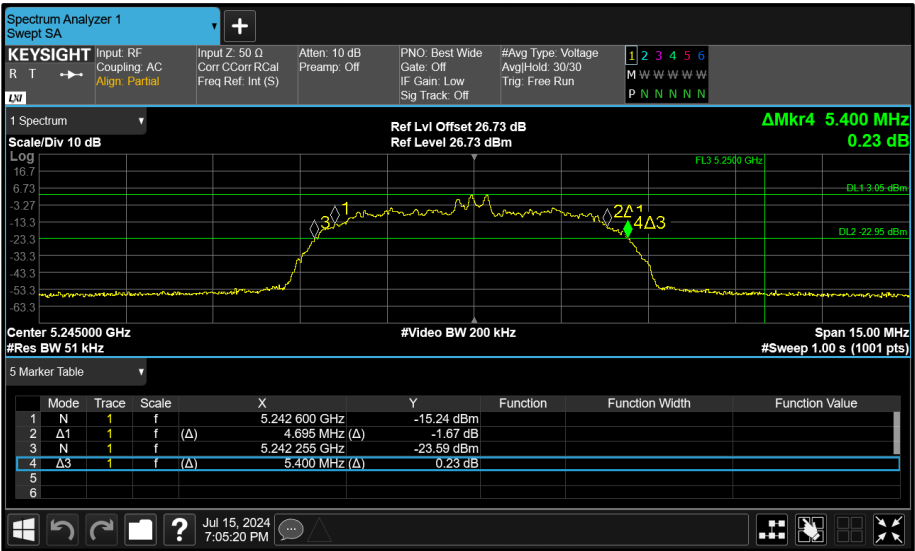


Figure 92 - Core 0 (A) 5245 MHz (CH95) 26 dB and 99% Bandwidth

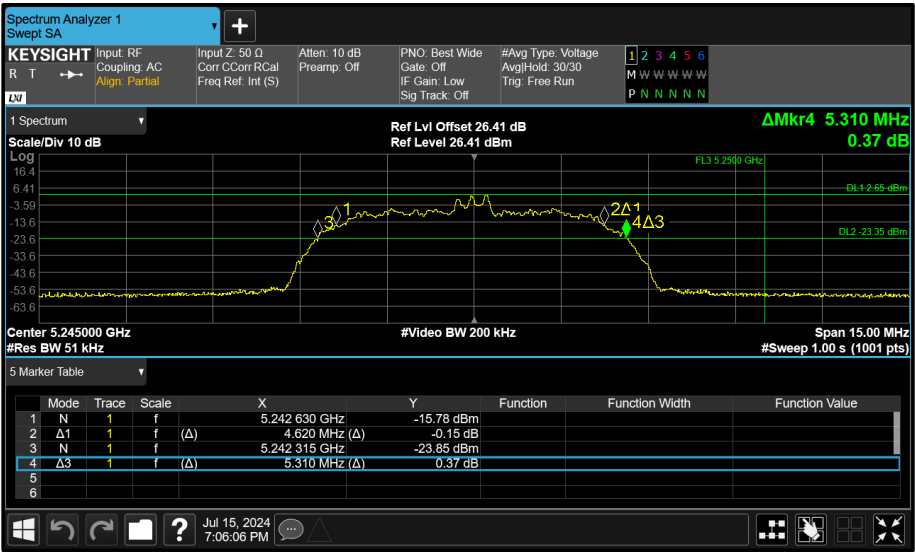


Figure 93 - Core 1 (B) 5245 MHz (CH95) 26 dB and 99% Bandwidth



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5162	2.800	2.792	-	-	-
5204	2.800	2.776	-	-	-
5245	2.816	2.800	-	-	-

Table 41 - 26 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5162	2.368	2.344	-	-	-
5204	2.368	2.344	-	-	-
5245	2.368	2.344	-	-	-

Table 42 - 99% Bandwidth Results

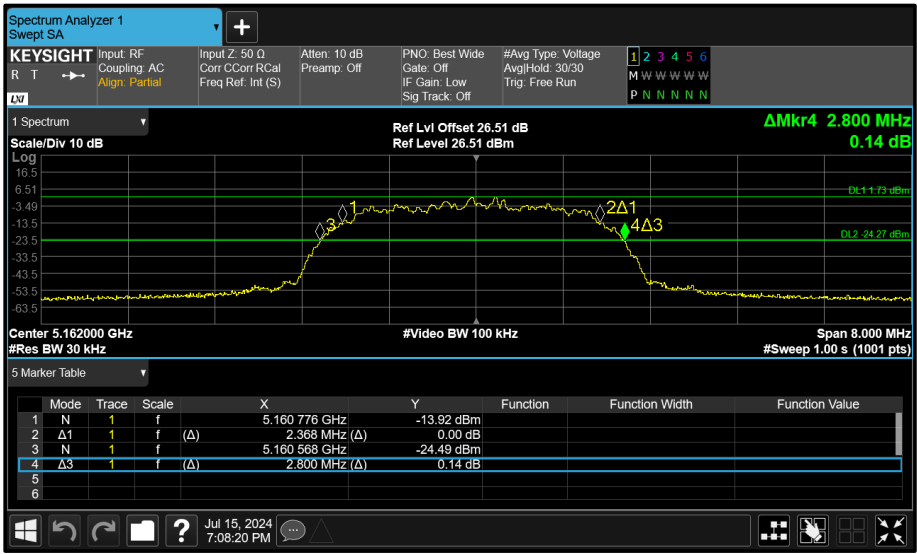


Figure 94 - Core 0 (A) 5162 MHz (CH12) 26 dB and 99% Bandwidth

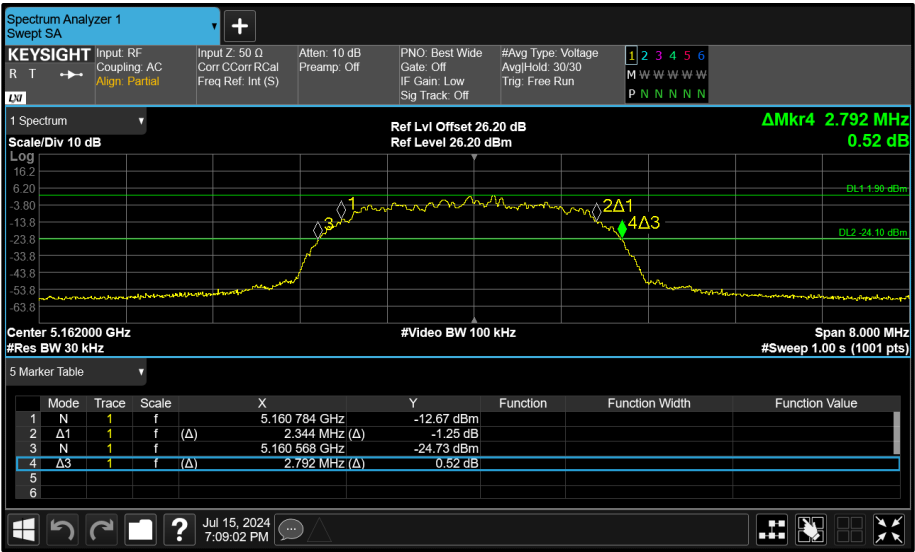


Figure 95 - Core 1 (B) 5162 MHz (CH12) 26 dB and 99% Bandwidth

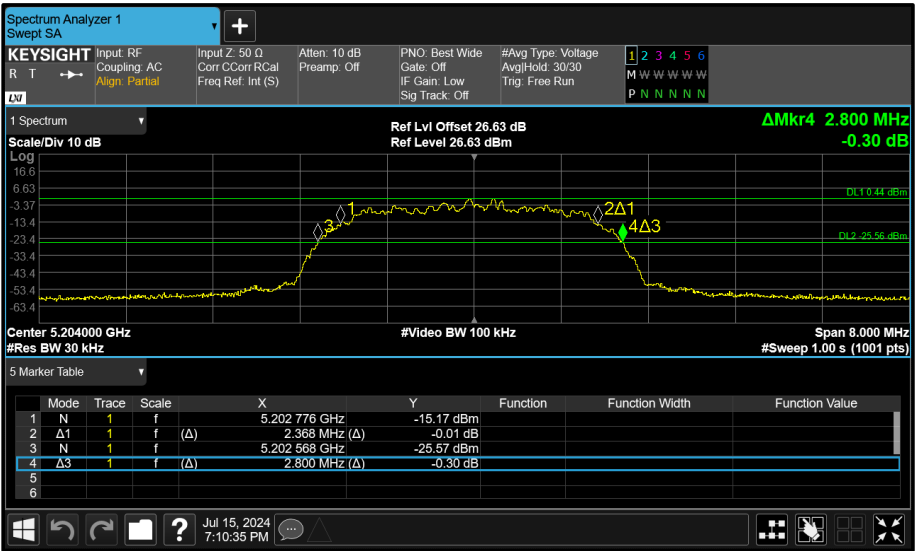


Figure 96 - Core 0 (A) 5204 MHz (CH54) 26 dB and 99% Bandwidth

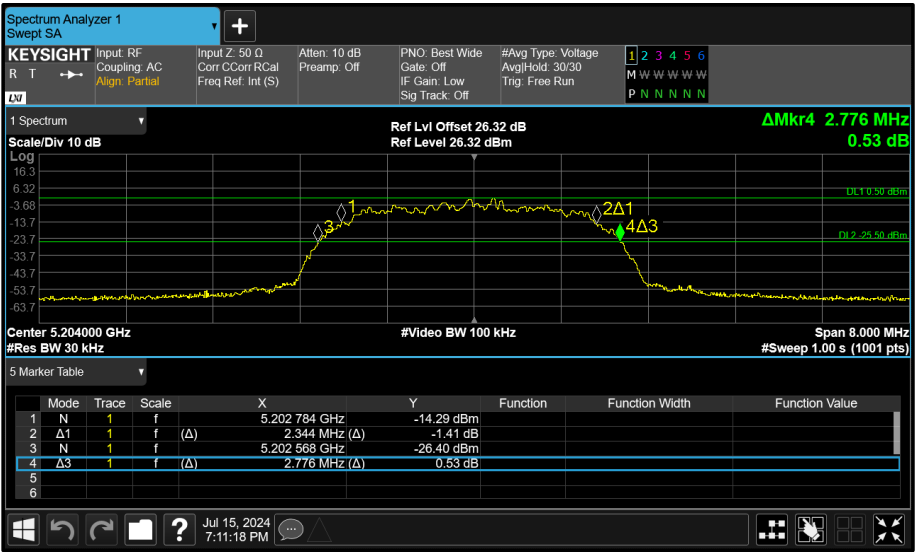


Figure 97 - Core 1 (B) 5204 MHz (CH54) 26 dB and 99% Bandwidth

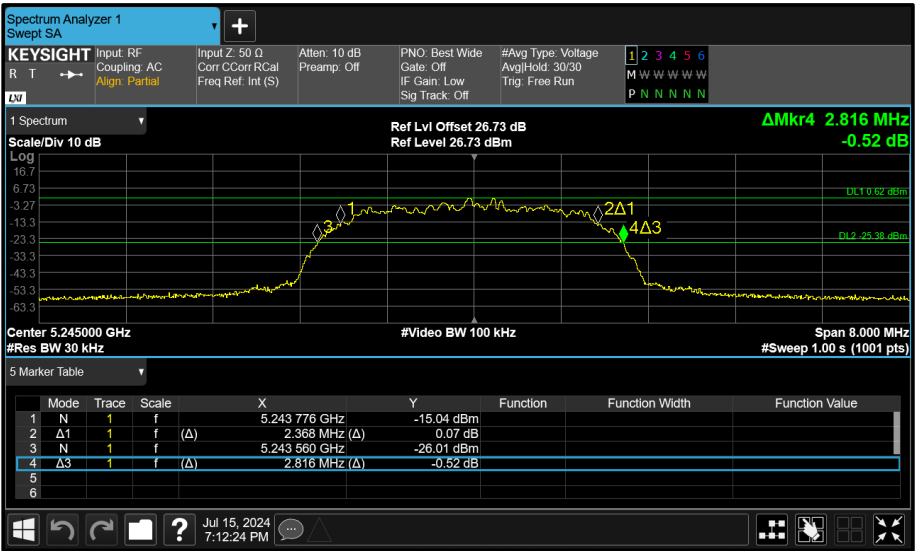


Figure 98 - Core 0 (A) 5245 MHz (CH95) 26 dB and 99% Bandwidth

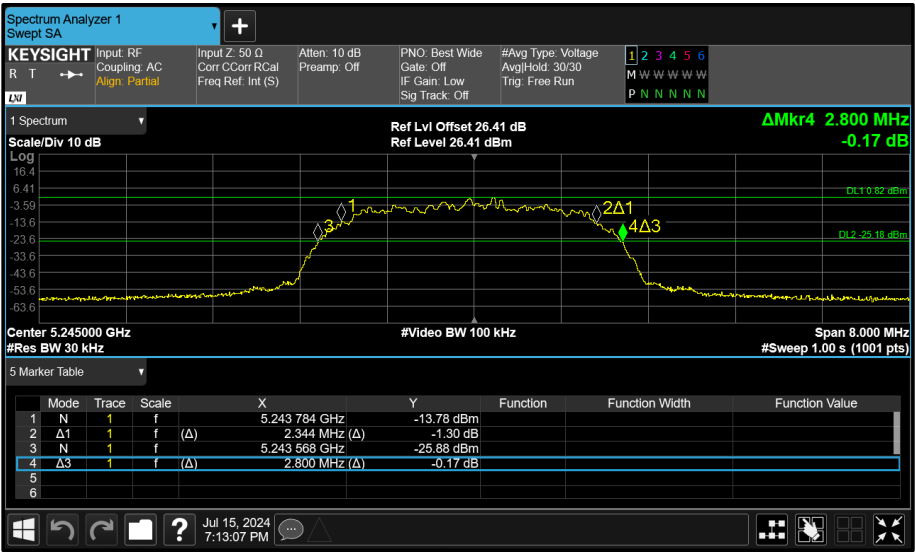


Figure 99 - Core 1 (B) 5245 MHz (CH95) 26 dB and 99% Bandwidth



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	-	Test Method(s):	C63.10 6.9.3 C63.10 12.5.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	26 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5162	5.415	5.310	-	-	-
5204	5.415	5.310	-	-	-
5245	5.415	5.310	-	-	-

Table 43 - 26 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5162	4.695	4.620	-	-	-
5204	4.695	4.620	-	-	-
5245	4.695	4.620	-	-	-

Table 44 - 99% Bandwidth Results

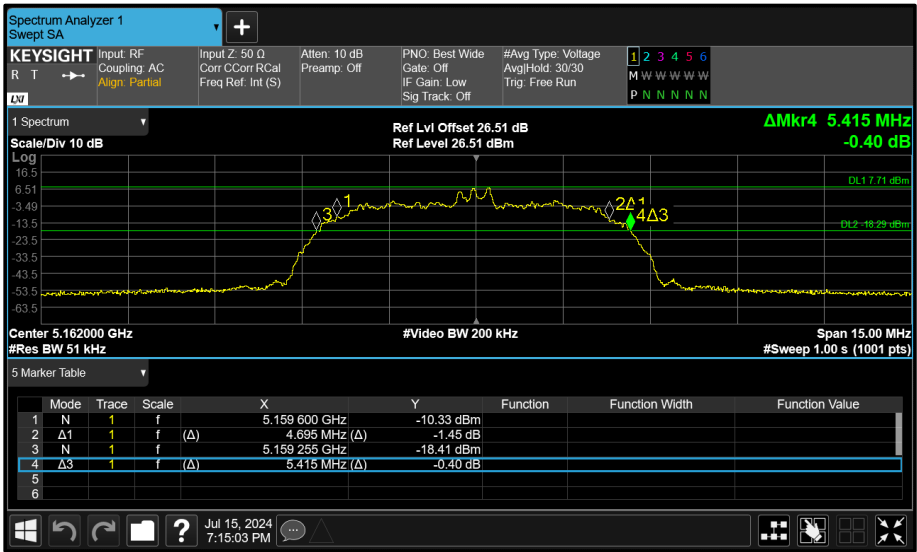


Figure 100 - Core 0 (A) 5162 MHz (CH12) 26 dB and 99% Bandwidth

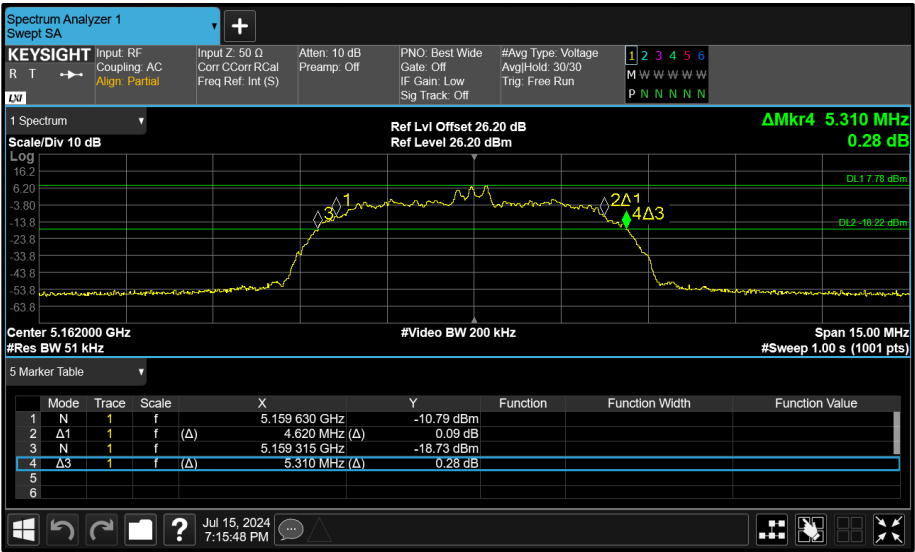


Figure 101 - Core 1 (B) 5162 MHz (CH12) 26 dB and 99% Bandwidth

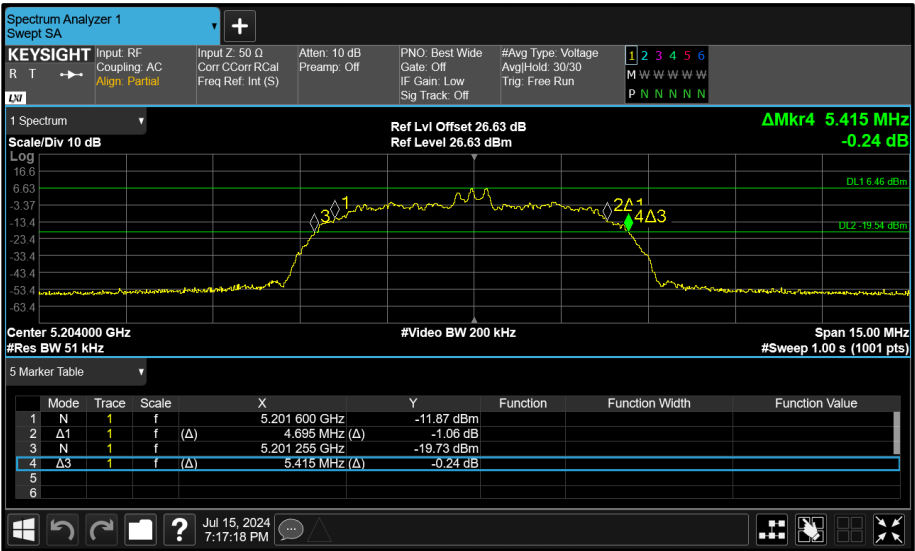


Figure 102 - Core 0 (A) 5204 MHz (CH54) 26 dB and 99% Bandwidth

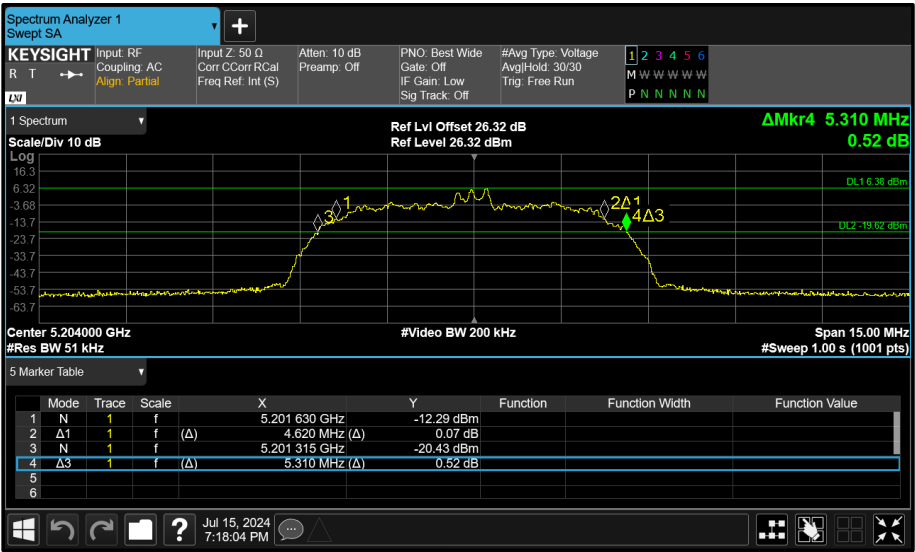


Figure 103 - Core 1 (B) 5204 MHz (CH54) 26 dB and 99% Bandwidth

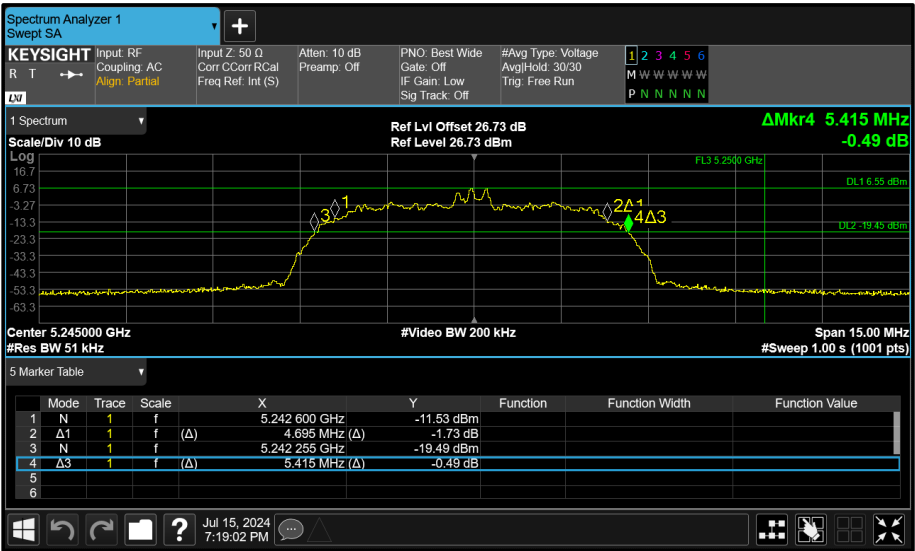


Figure 104 - Core 0 (A) 5245 MHz (CH95) 26 dB and 99% Bandwidth

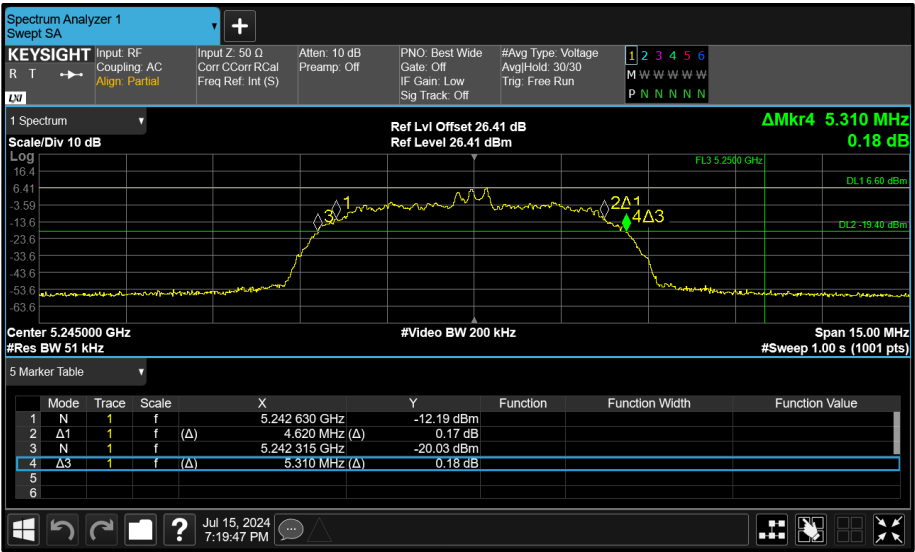


Figure 105 - Core 1 (B) 5245 MHz (CH95) 26 dB and 99% Bandwidth



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407(e) RSS-247 6.2.4.1	Test Method(s):	C63.10 6.9.3 789033 D02 v02r01 II.C.2.
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	0.572	0.568	-	-	≥500.0
5789	0.572	0.564	-	-	≥500.0
5844	0.568	0.556	-	-	≥500.0

Table 45 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	0.992	0.988	-	-	-
5789	0.992	0.988	-	-	-
5844	0.988	0.988	-	-	-

Table 46 - 99% Bandwidth Results

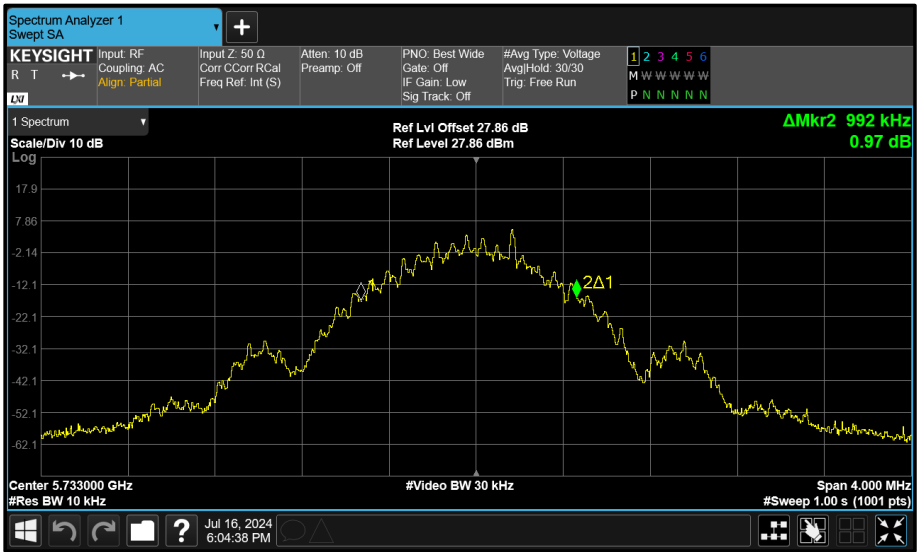


Figure 106 - Core 0 (A) 5733 MHz (CH8) 99% Bandwidth

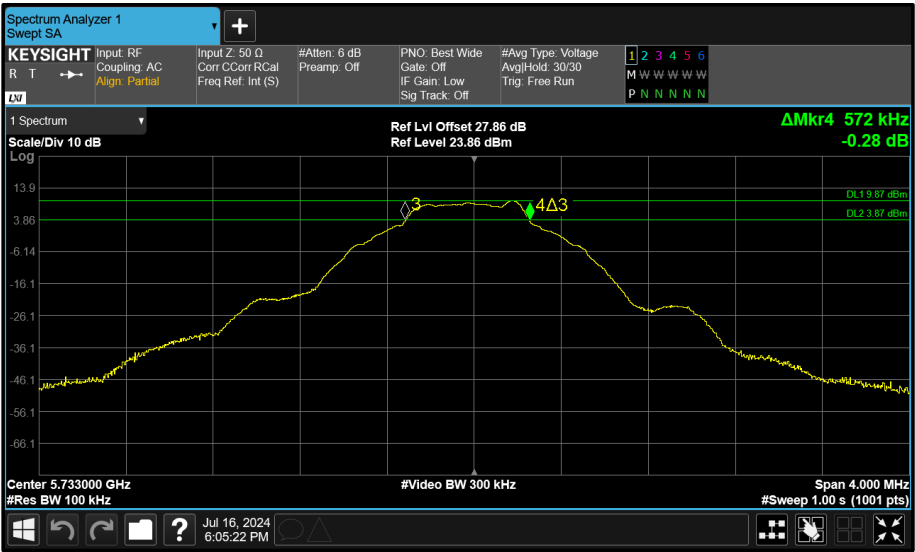


Figure 107 - Core 0 (A) 5733 MHz (CH8) 6 dB Bandwidth

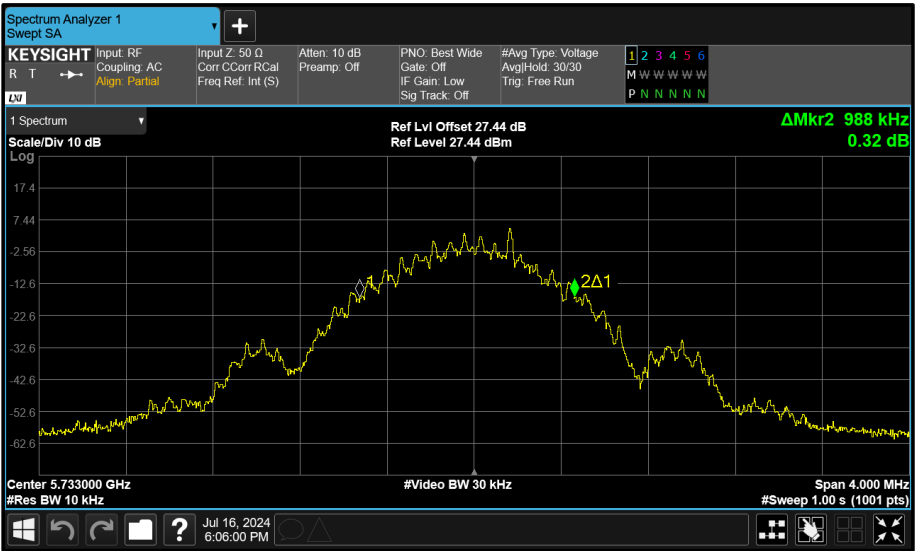


Figure 108 - Core 1 (B) 5733 MHz (CH8) 99% Bandwidth

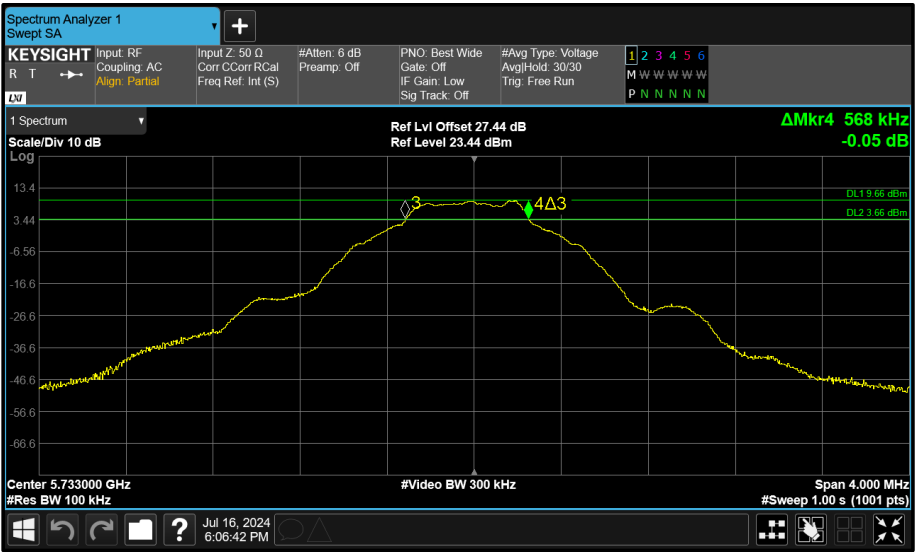


Figure 109 - Core 1 (B) 5733 MHz (CH8) 6 dB Bandwidth

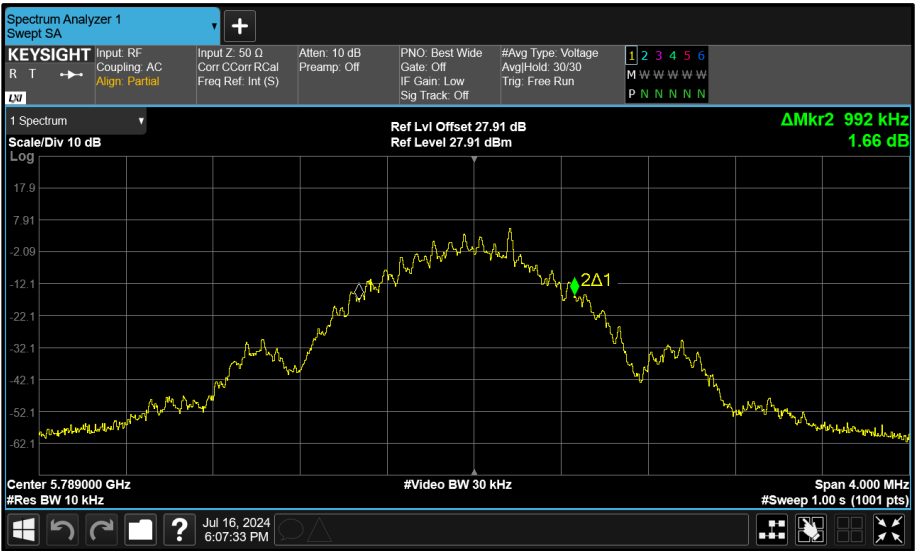


Figure 110 - Core 0 (A) 5789 MHz (CH64) 99% Bandwidth

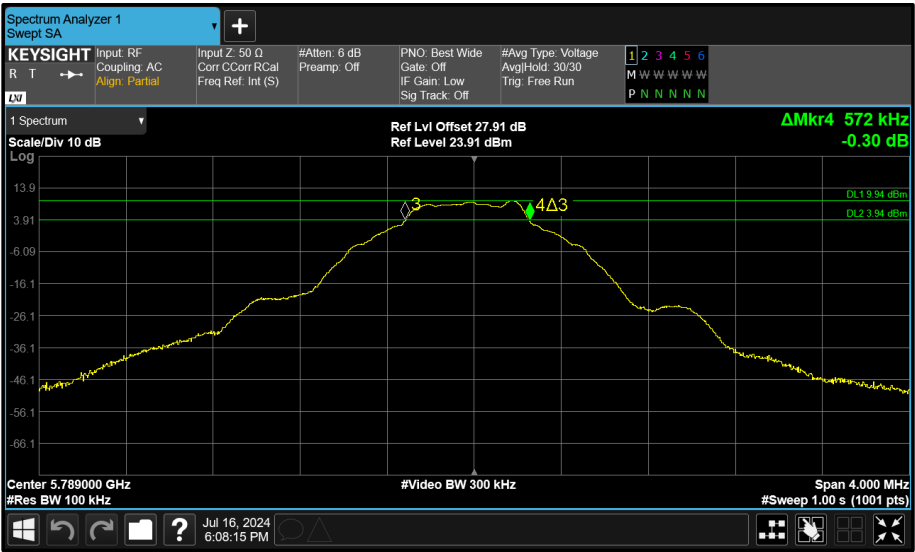


Figure 111 - Core 0 (A) 5789 MHz (CH64) 6 dB Bandwidth

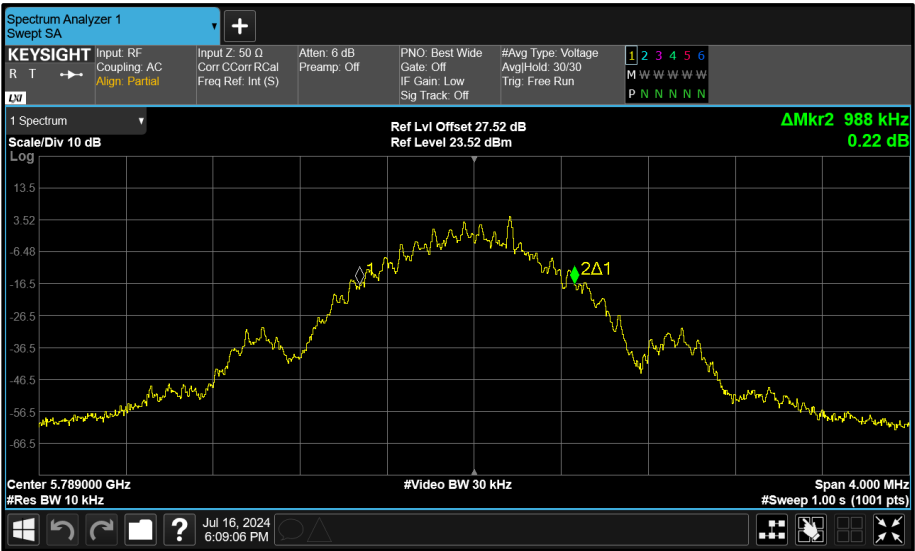


Figure 112 - Core 1 (B) 5789 MHz (CH64) 99% Bandwidth

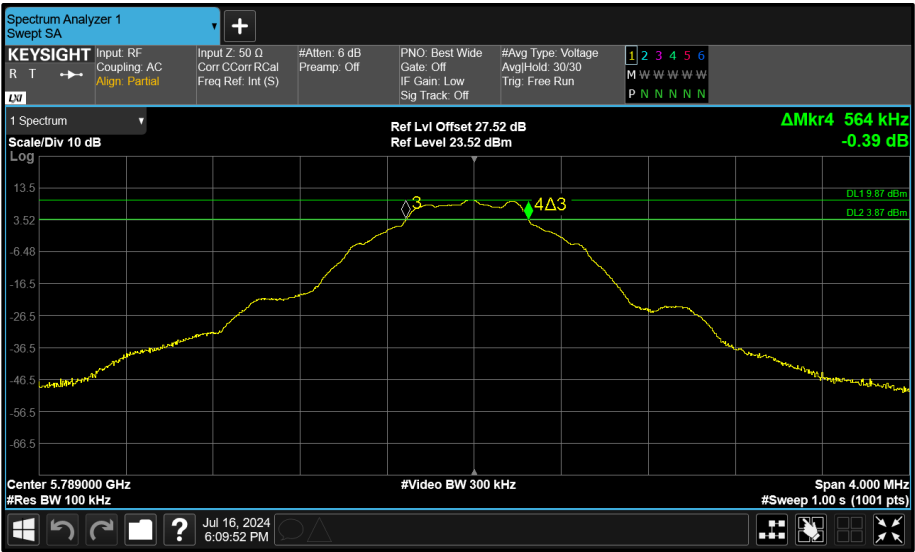


Figure 113 - Core 1 (B) 5789 MHz (CH64) 6 dB Bandwidth

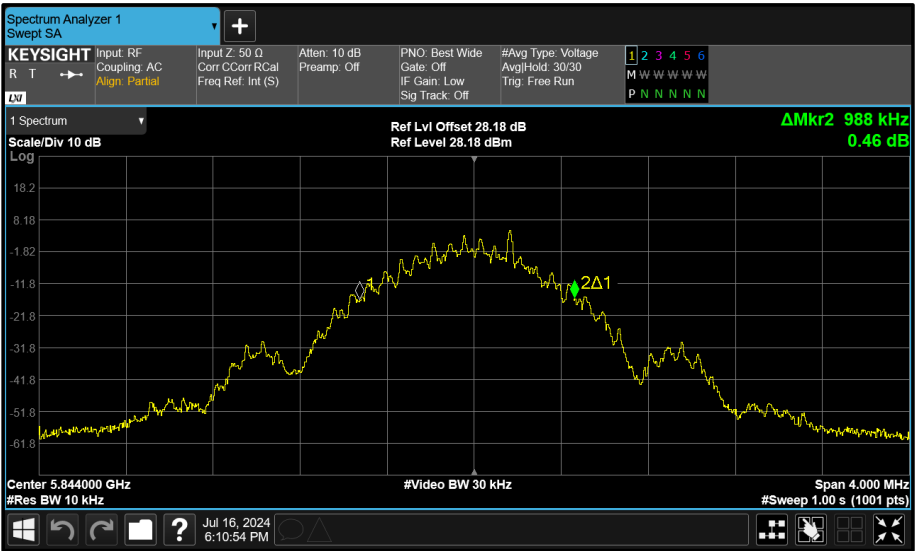


Figure 114 - Core 0 (A) 5844 MHz (CH119) 99% Bandwidth

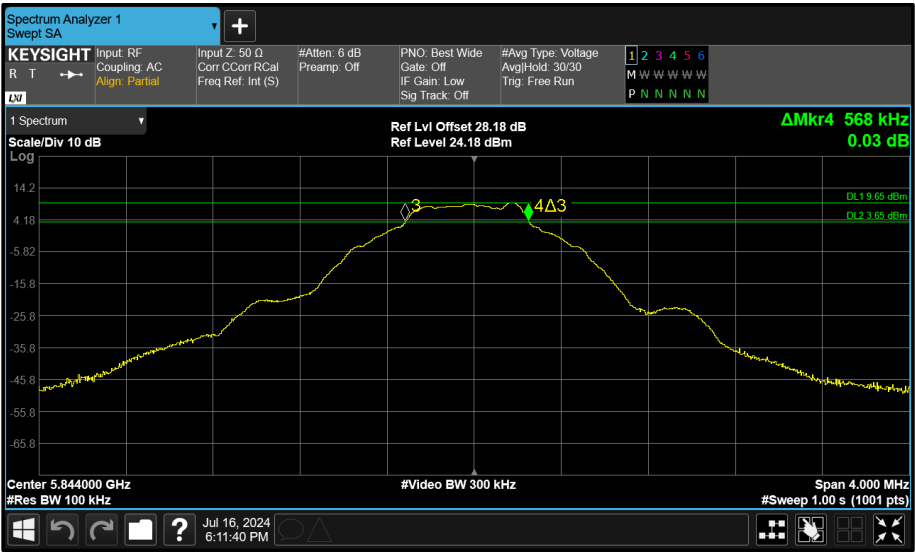


Figure 115 - Core 0 (A) 5844 MHz (CH119) 6 dB Bandwidth

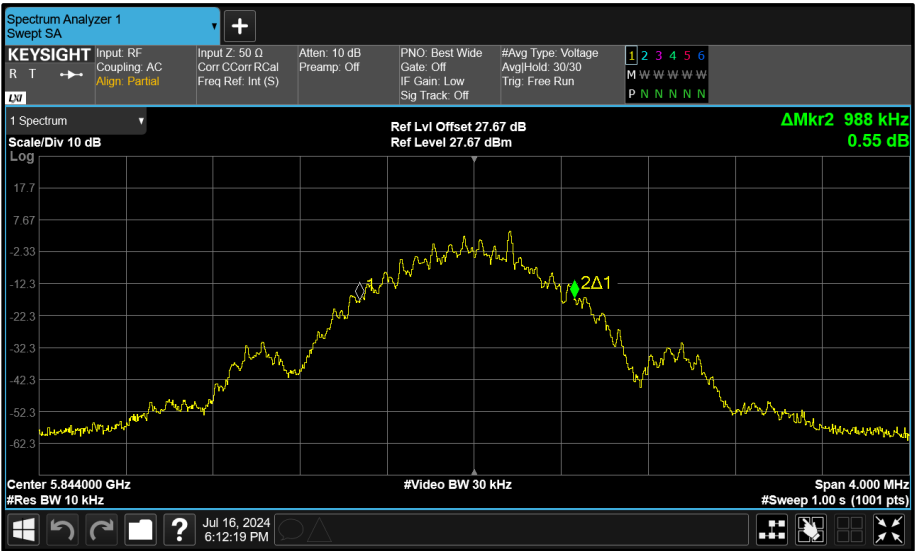


Figure 116 - Core 1 (B) 5844 MHz (CH119) 99% Bandwidth

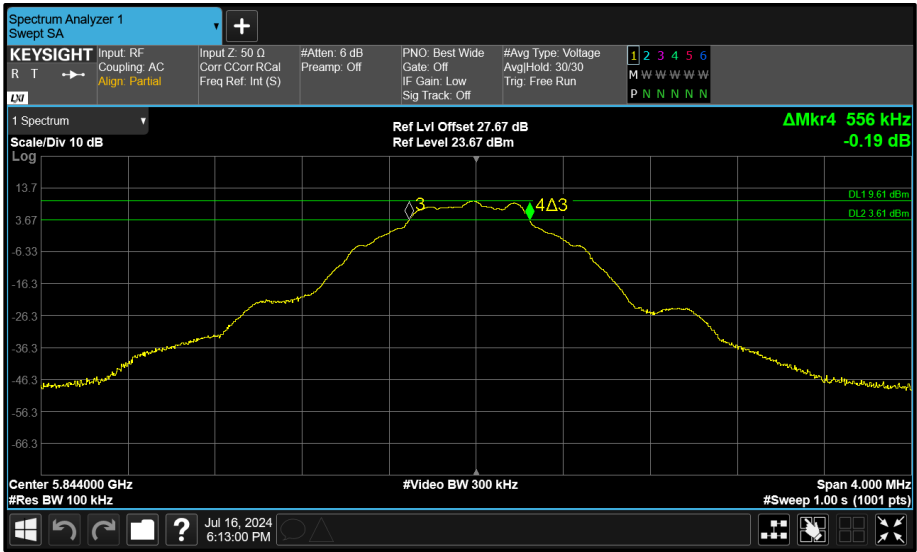


Figure 117 - Core 1 (B) 5844 MHz (CH119) 6 dB Bandwidth



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407(e) RSS-247 6.2.4.1	Test Method(s):	C63.10 6.9.3 789033 D02 v02r01 II.C.2.
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	1.896	1.592	-	-	≥ 500.0
5789	1.888	1.584	-	-	≥ 500.0
5844	1.888	1.472	-	-	≥ 500.0

Table 47 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	2.344	2.344	-	-	-
5789	2.344	2.336	-	-	-
5844	2.336	2.328	-	-	-

Table 48 - 99% Bandwidth Results

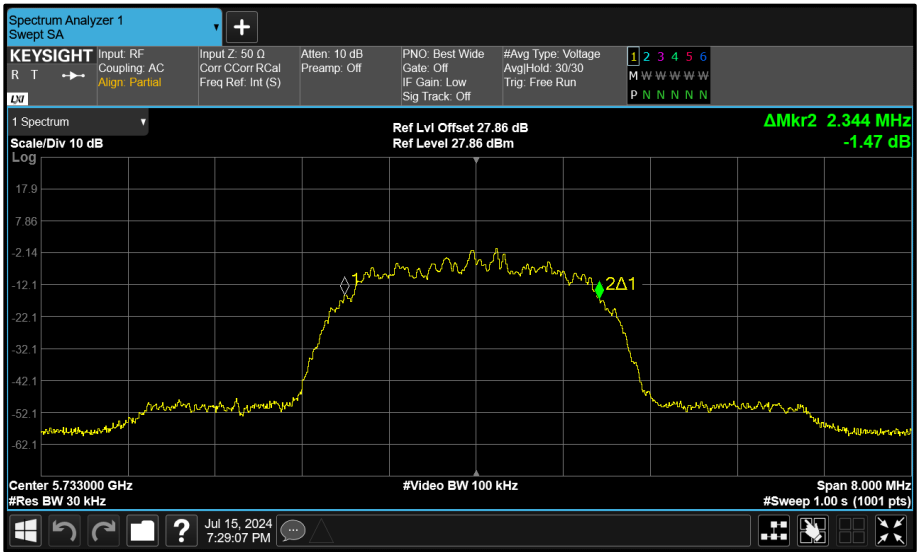


Figure 118 - Core 0 (A) 5733 MHz (CH8) 99% Bandwidth

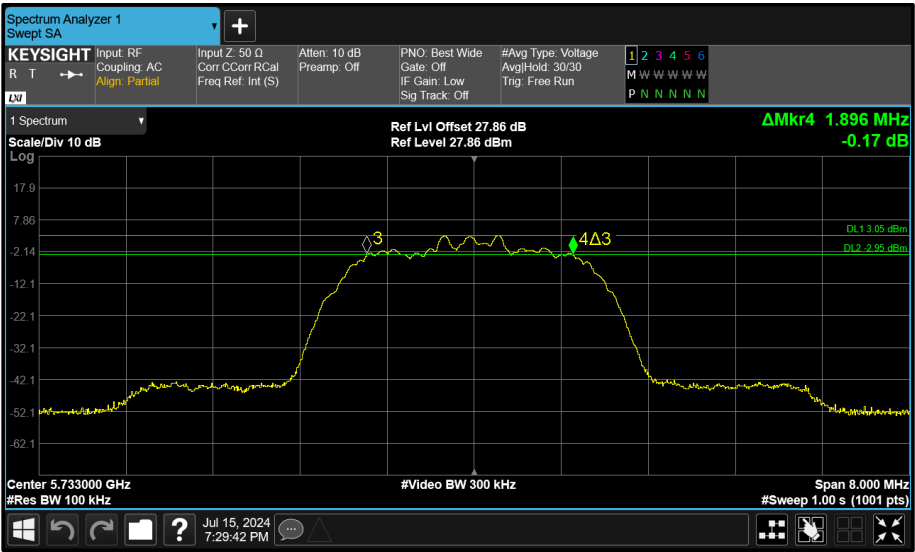


Figure 119 - Core 0 (A) 5733 MHz (CH8) 6 dB Bandwidth

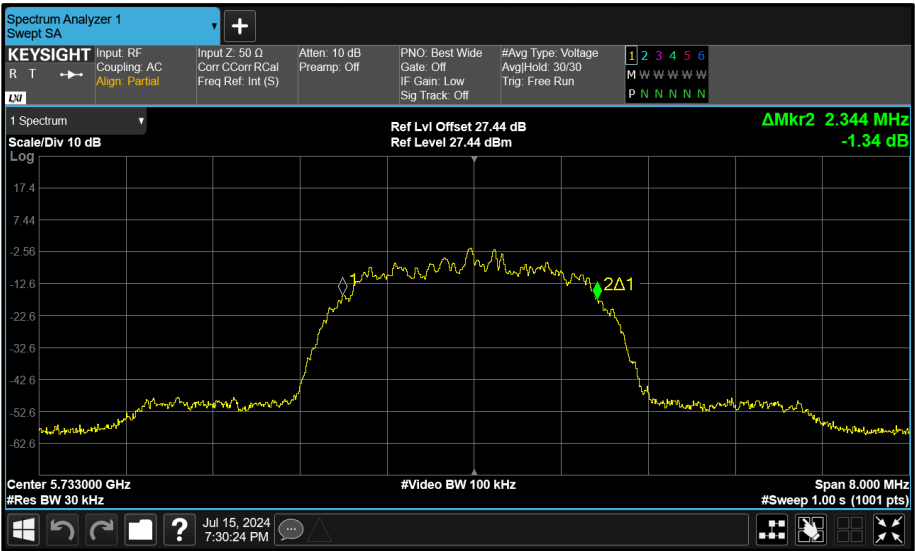


Figure 120 - Core 1 (B) 5733 MHz (CH8) 99% Bandwidth

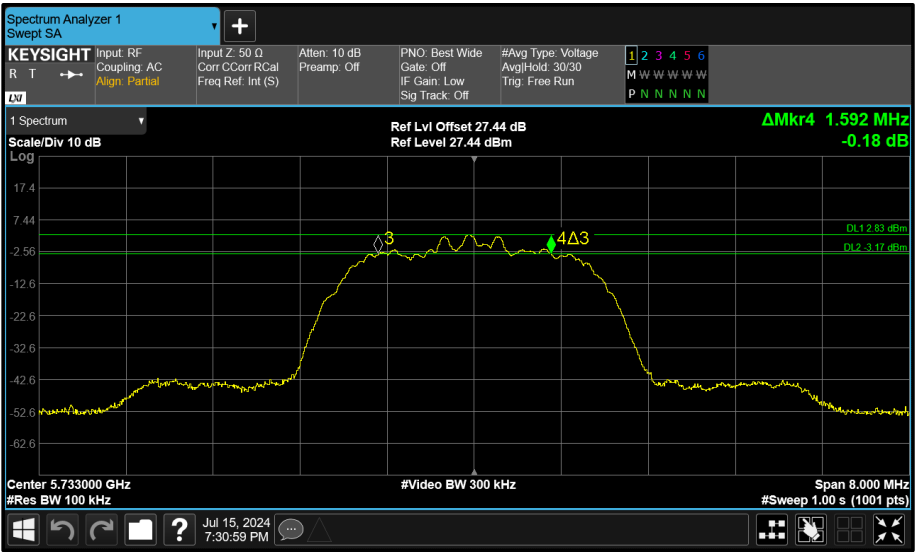


Figure 121 - Core 1 (B) 5733 MHz (CH8) 6 dB Bandwidth

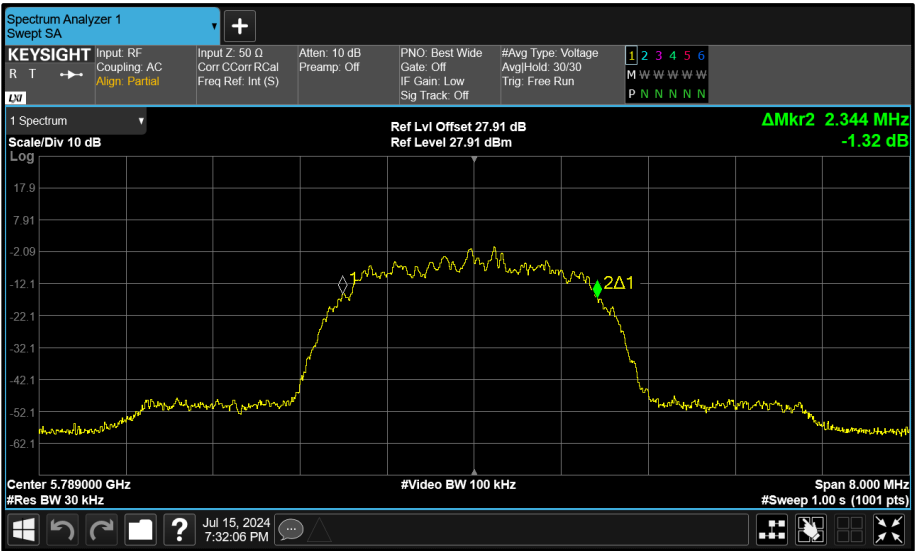


Figure 122 - Core 0 (A) 5789 MHz (CH64) 99% Bandwidth

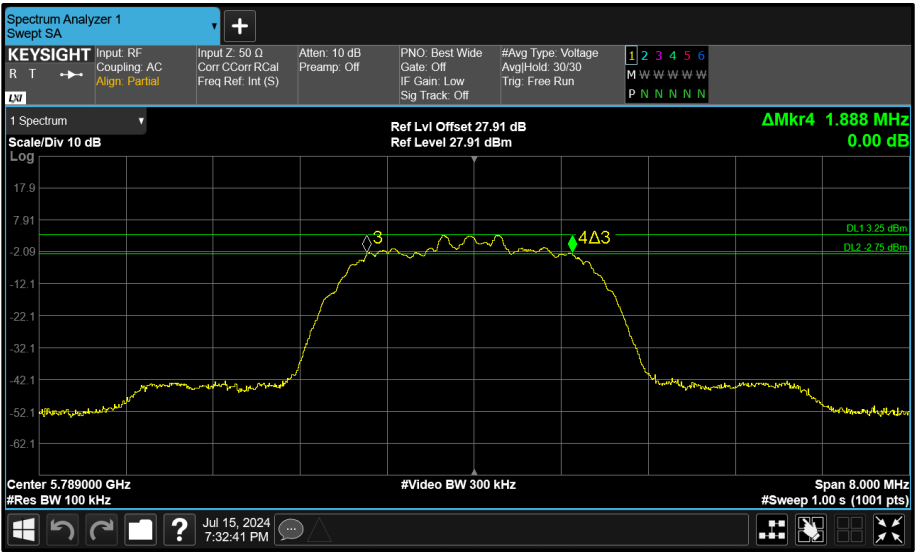


Figure 123 - Core 0 (A) 5789 MHz (CH64) 6 dB Bandwidth

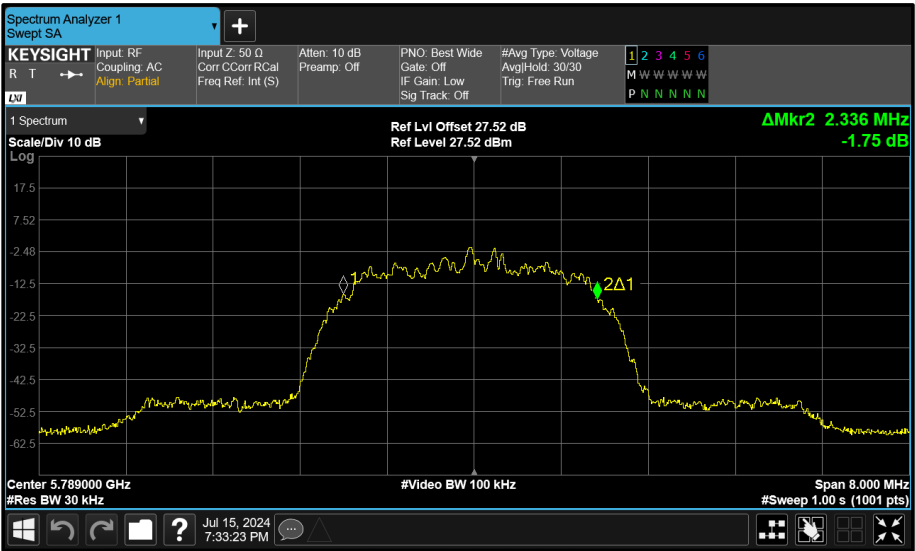


Figure 124 - Core 1 (B) 5789 MHz (CH64) 99% Bandwidth

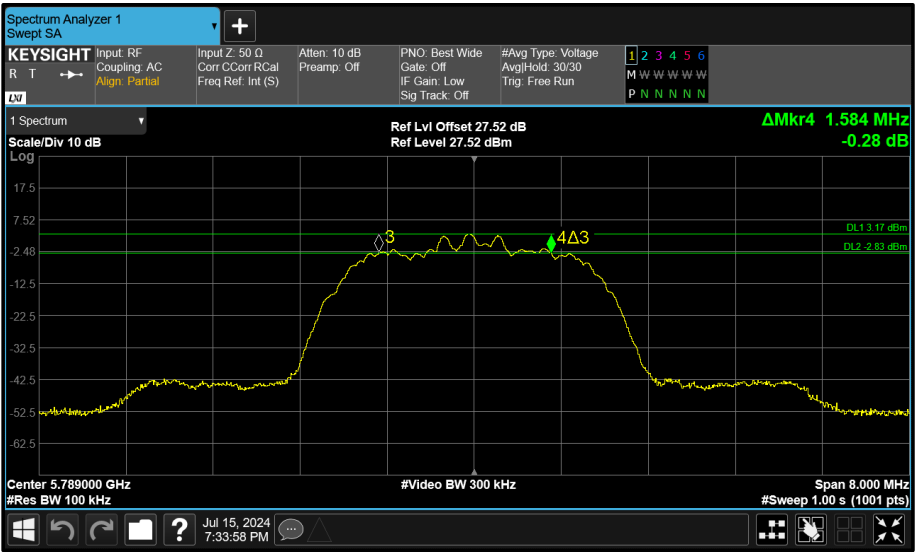


Figure 125 - Core 1 (B) 5789 MHz (CH64) 6 dB Bandwidth

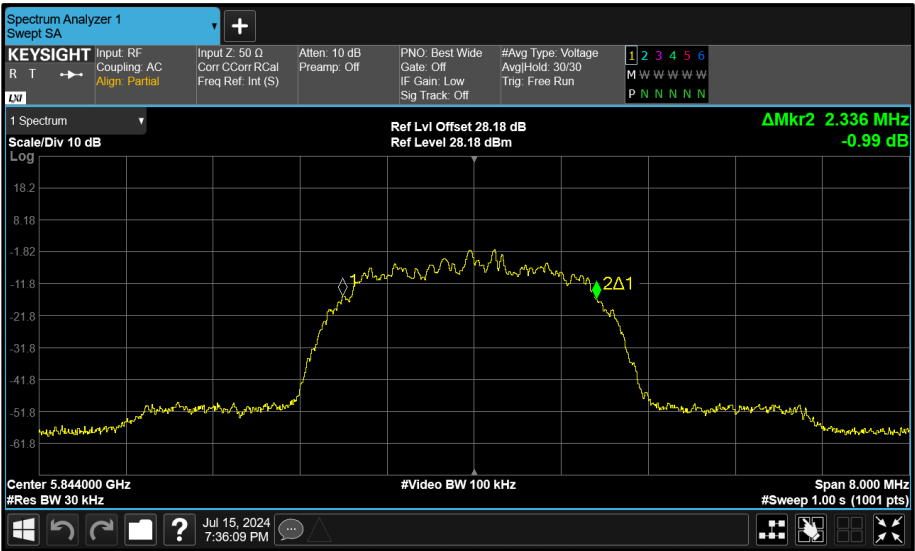


Figure 126 - Core 0 (A) 5844 MHz (CH119) 99% Bandwidth

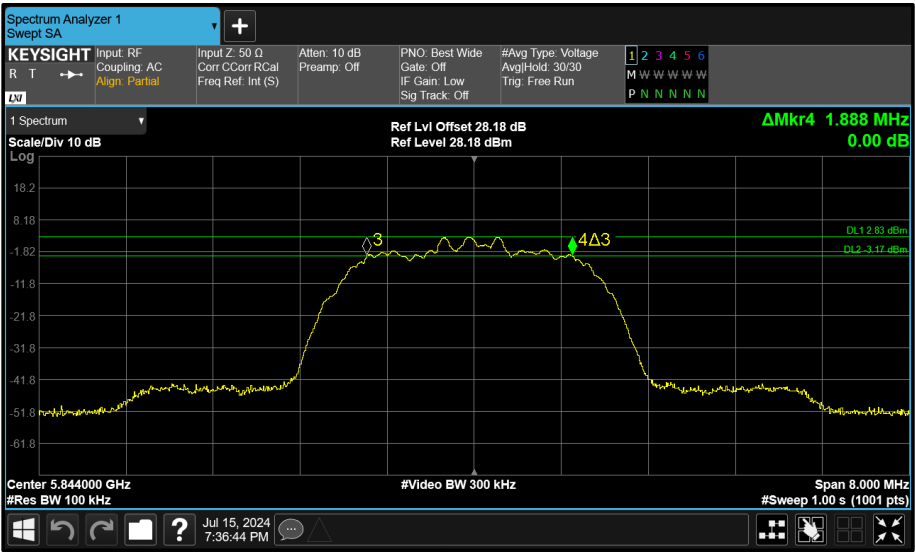


Figure 127 - Core 0 (A) 5844 MHz (CH119) 6 dB Bandwidth

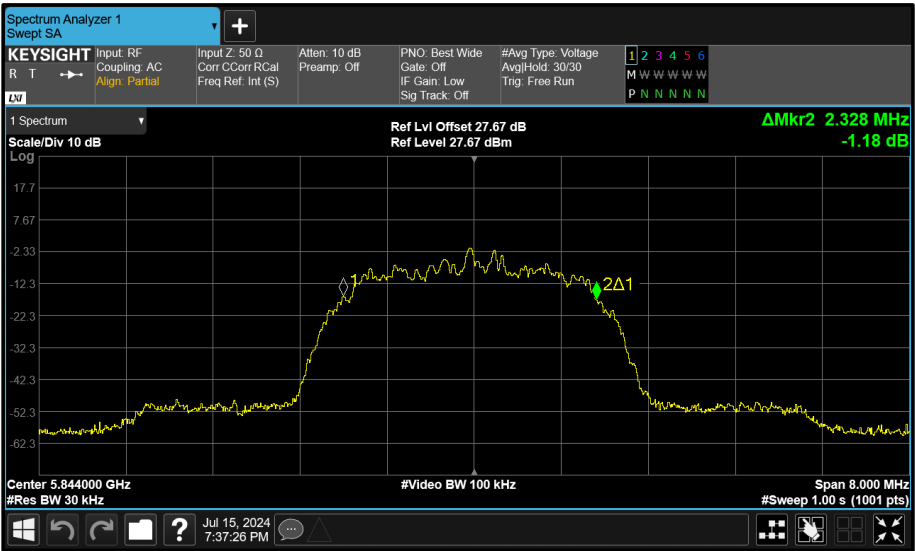


Figure 128 - Core 1 (B) 5844 MHz (CH119) 99% Bandwidth

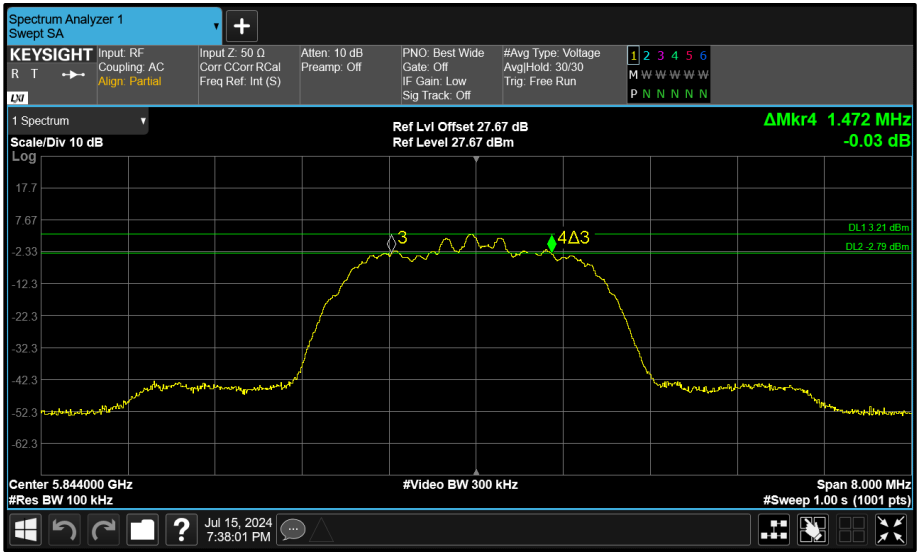


Figure 129 - Core 1 (B) 5844 MHz (CH119) 6 dB Bandwidth



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407(e) RSS-247 6.2.4.1	Test Method(s):	C63.10 6.9.3 789033 D02 v02r01 II.C.2.
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	1.020	0.990	-	-	≥ 500.0
5789	1.035	0.975	-	-	≥ 500.0
5844	1.020	0.660	-	-	≥ 500.0

Table 49 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	4.635	4.635	-	-	-
5789	4.635	4.635	-	-	-
5844	4.635	4.635	-	-	-

Table 50 - 99% Bandwidth Results

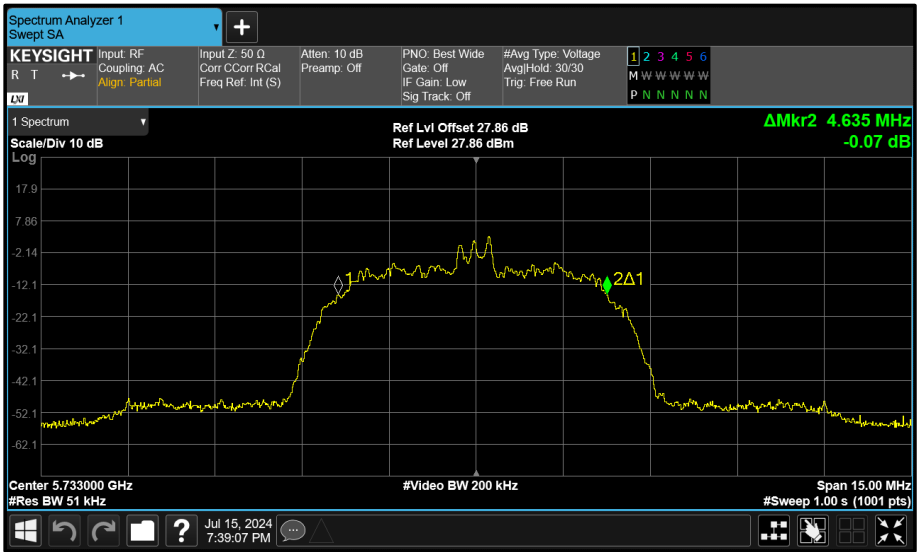


Figure 130 - Core 0 (A) 5733 MHz (CH8) 99% Bandwidth

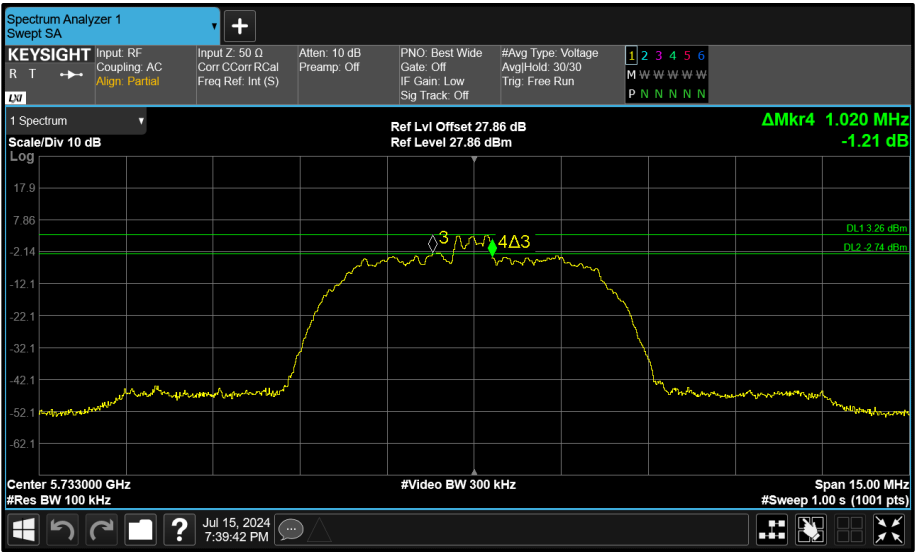


Figure 131 - Core 0 (A) 5733 MHz (CH8) 6 dB Bandwidth

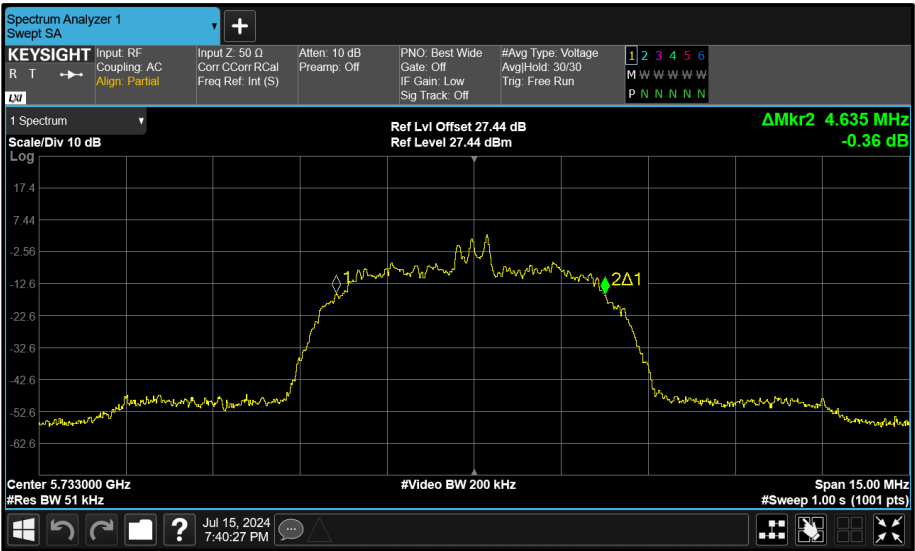


Figure 132 - Core 1 (B) 5733 MHz (CH8) 99% Bandwidth

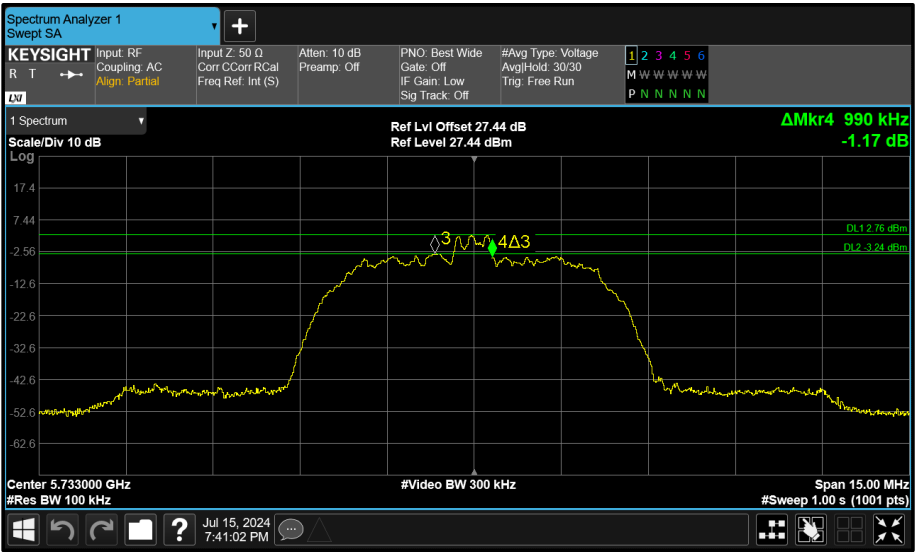


Figure 133 - Core 1 (B) 5733 MHz (CH8) 6 dB Bandwidth

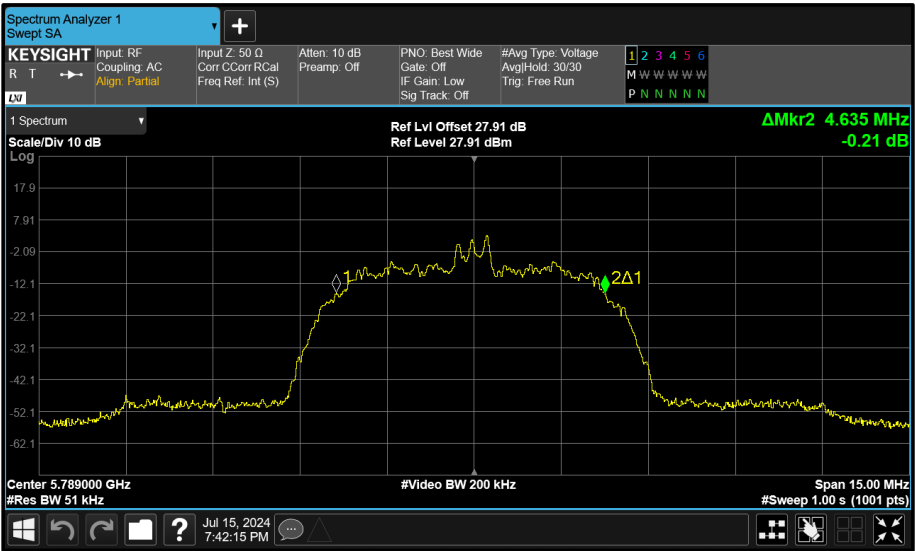


Figure 134 - Core 0 (A) 5789 MHz (CH64) 99% Bandwidth

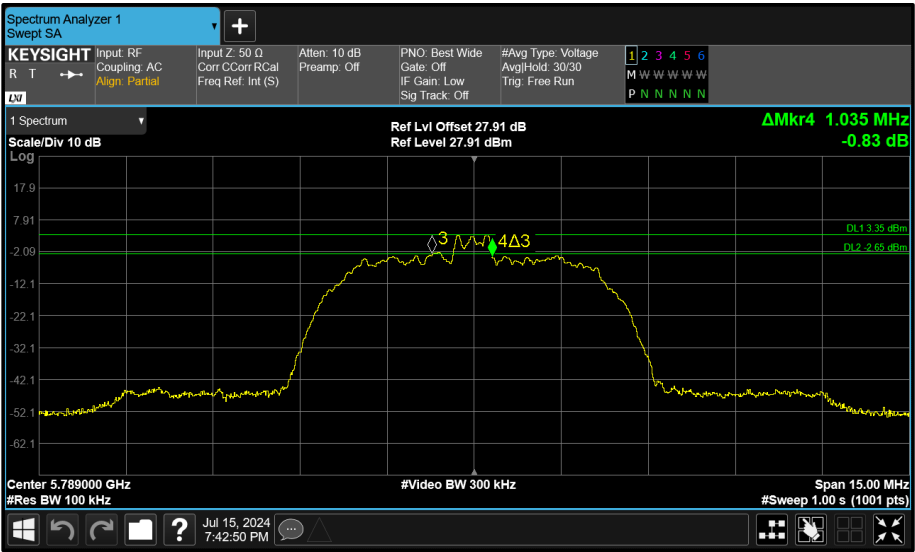


Figure 135 - Core 0 (A) 5789 MHz (CH64) 6 dB Bandwidth

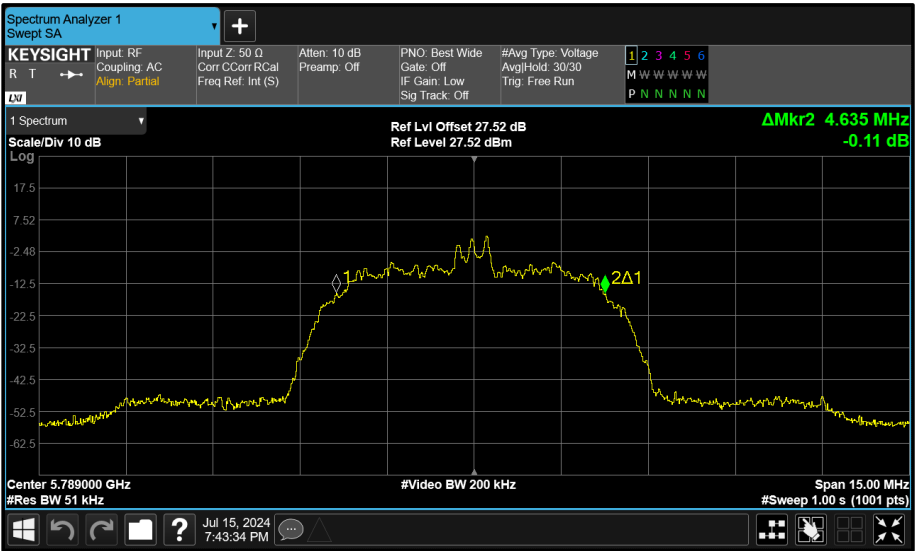


Figure 136 - Core 1 (B) 5789 MHz (CH64) 99% Bandwidth

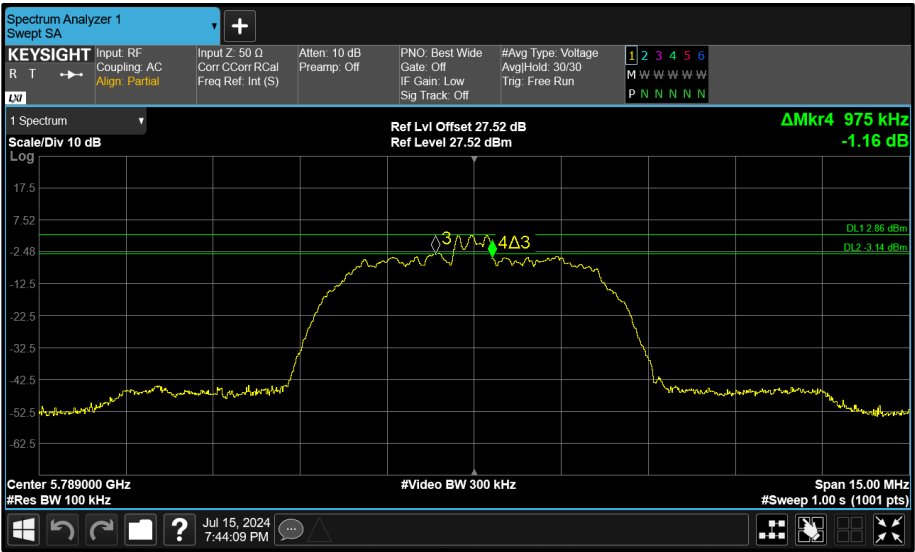


Figure 137 - Core 1 (B) 5789 MHz (CH64) 6 dB Bandwidth

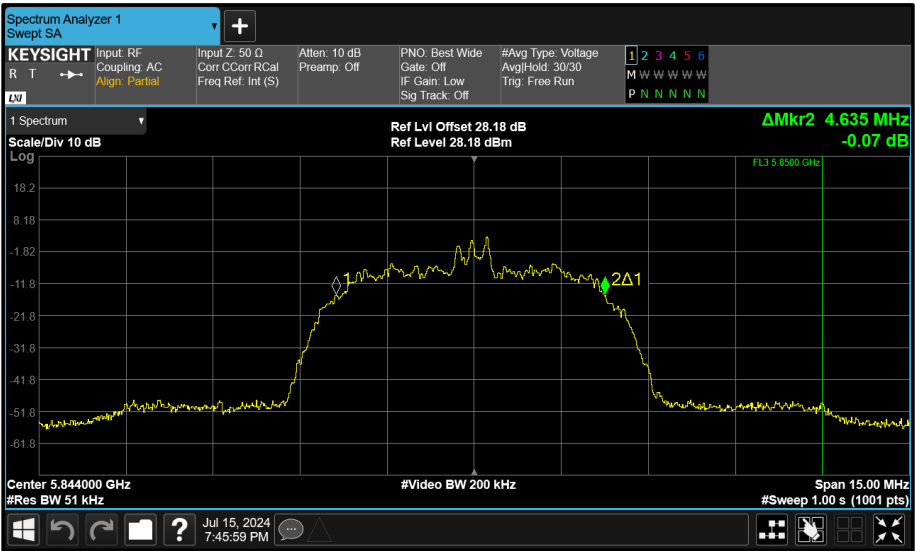


Figure 138 - Core 0 (A) 5844 MHz (CH119) 99% Bandwidth

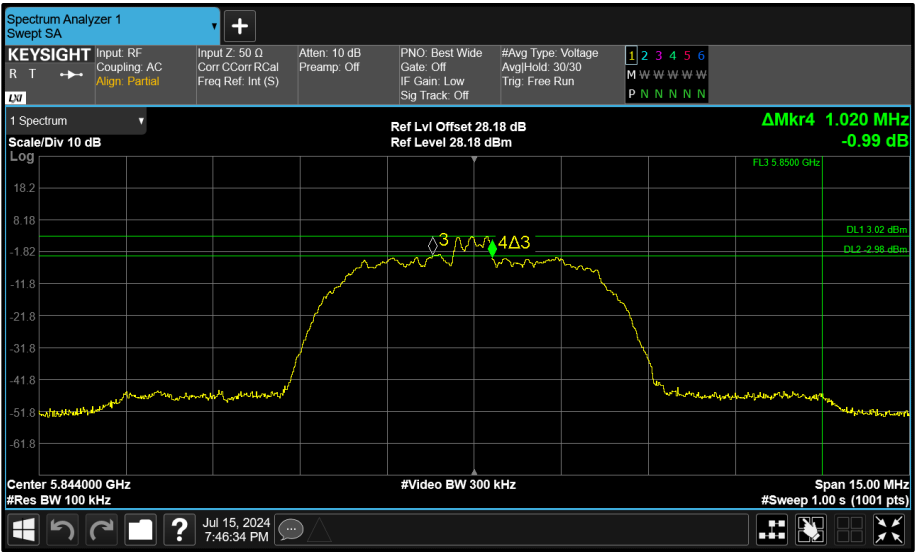


Figure 139 - Core 0 (A) 5844 MHz (CH119) 6 dB Bandwidth

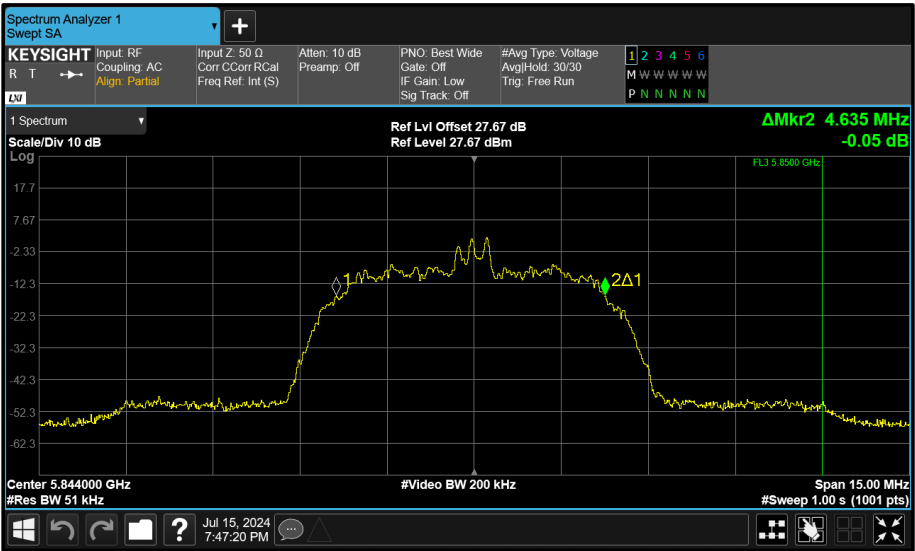


Figure 140 - Core 1 (B) 5844 MHz (CH119) 99% Bandwidth

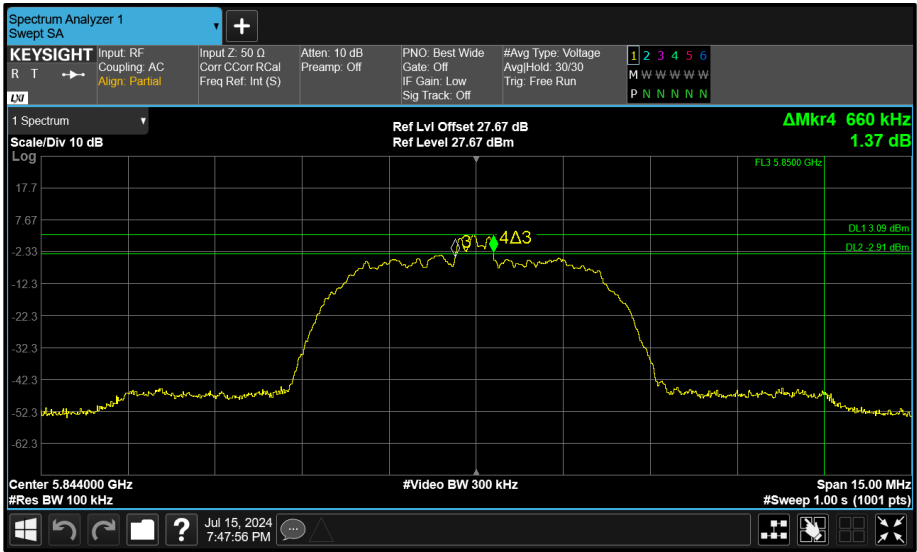


Figure 141 - Core 1 (B) 5844 MHz (CH119) 6 dB Bandwidth



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407(e) RSS-247 6.2.4.1	Test Method(s):	C63.10 6.9.3 789033 D02 v02r01 II.C.2.
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	1.904	1.904	-	-	≥ 500.0
5789	1.912	1.896	-	-	≥ 500.0
5844	1.912	1.904	-	-	≥ 500.0

Table 51 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	2.360	2.352	-	-	-
5789	2.360	2.352	-	-	-
5844	2.368	2.352	-	-	-

Table 52 - 99% Bandwidth Results

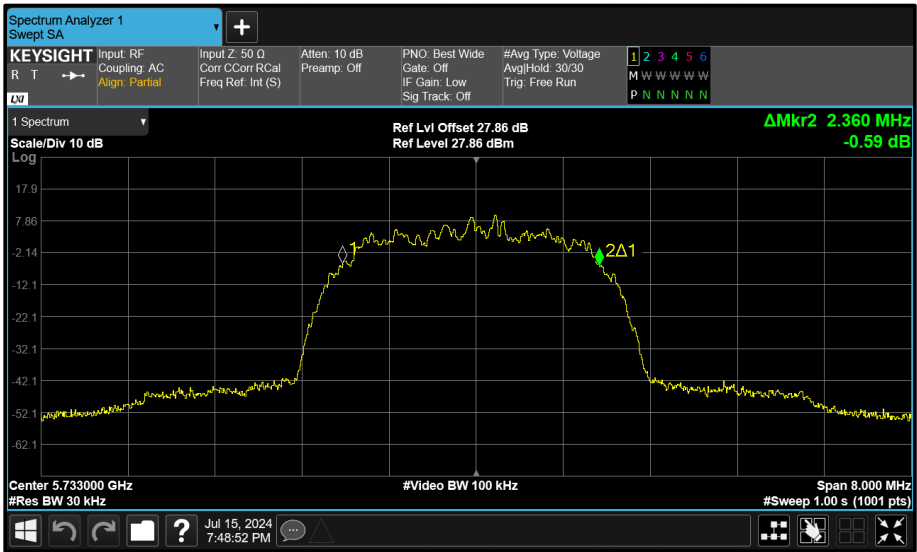


Figure 142 - Core 0 (A) 5733 MHz (CH8) 99% Bandwidth

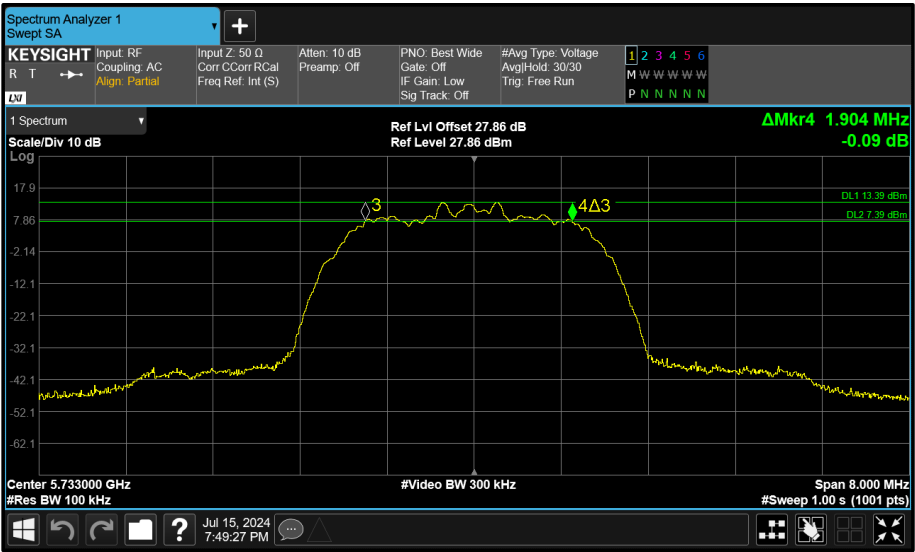


Figure 143 - Core 0 (A) 5733 MHz (CH8) 6 dB Bandwidth

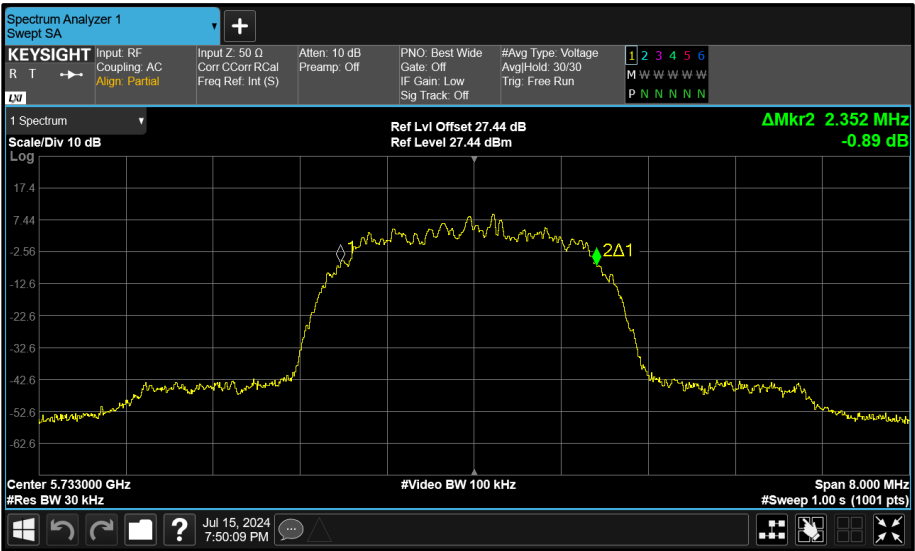


Figure 144 - Core 1 (B) 5733 MHz (CH8) 99% Bandwidth

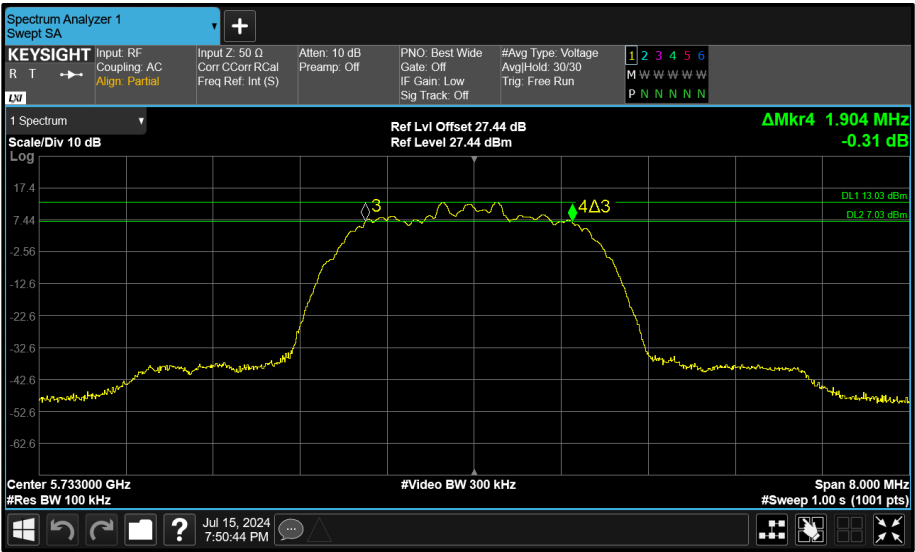


Figure 145 - Core 1 (B) 5733 MHz (CH8) 6 dB Bandwidth

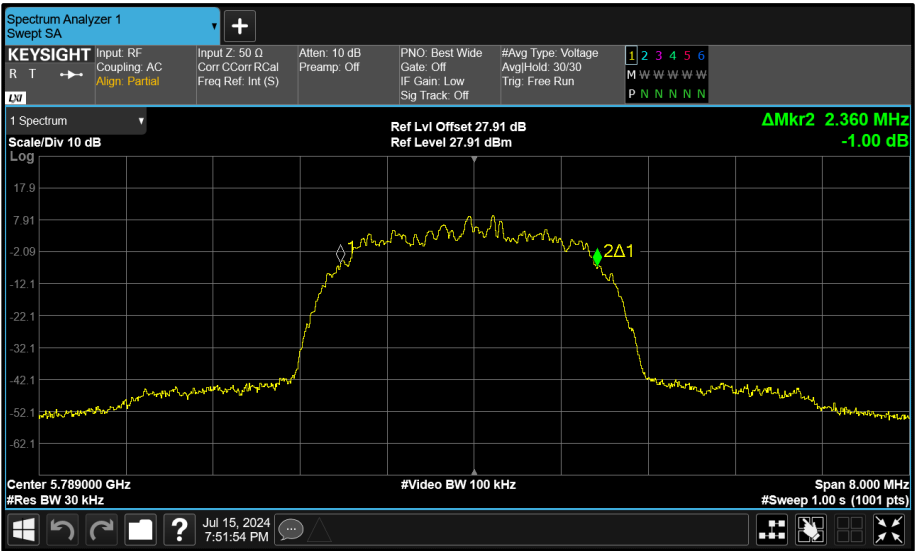


Figure 146 - Core 0 (A) 5789 MHz (CH64) 99% Bandwidth



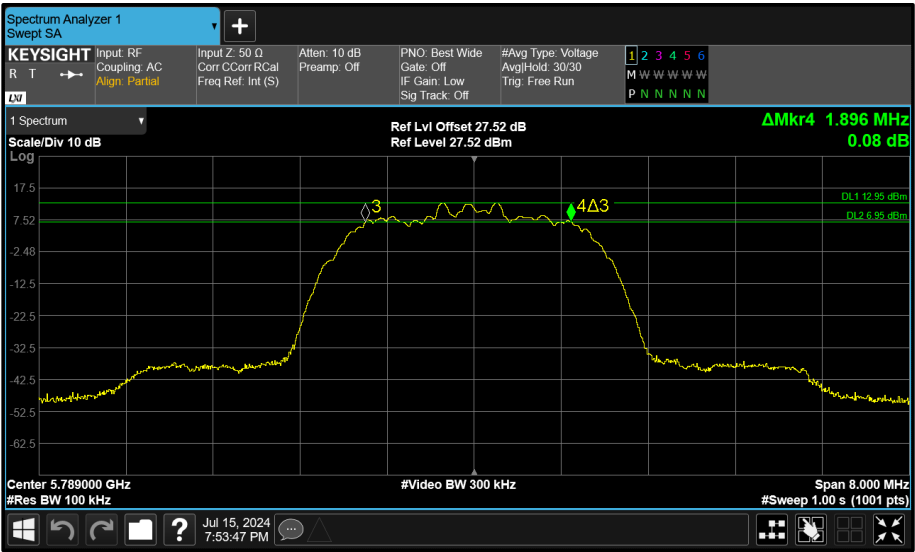


Figure 149 - Core 1 (B) 5789 MHz (CH64) 6 dB Bandwidth

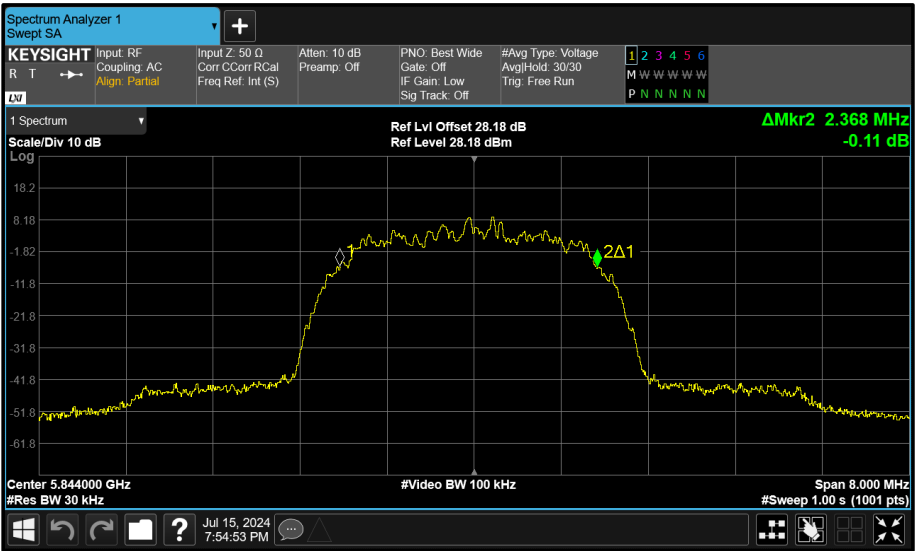


Figure 150 - Core 0 (A) 5844 MHz (CH119) 99% Bandwidth

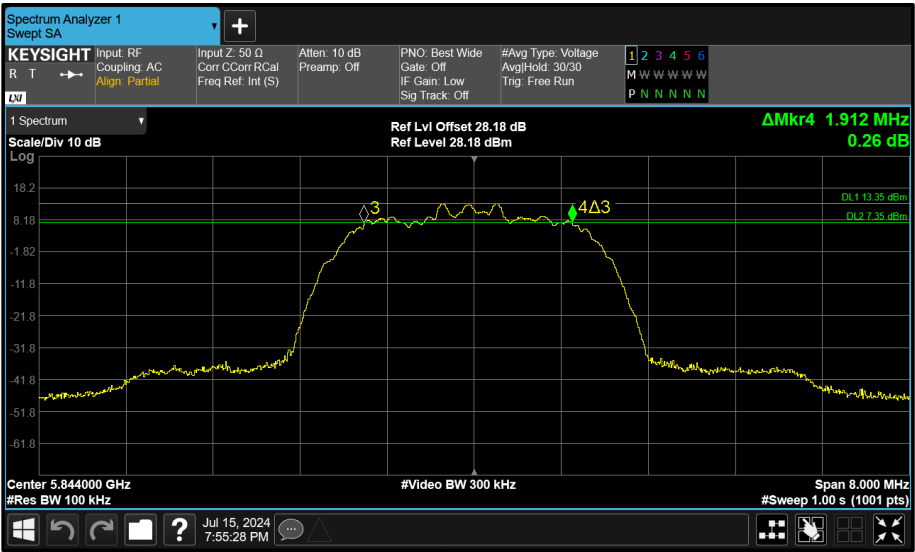


Figure 151 - Core 0 (A) 5844 MHz (CH119) 6 dB Bandwidth

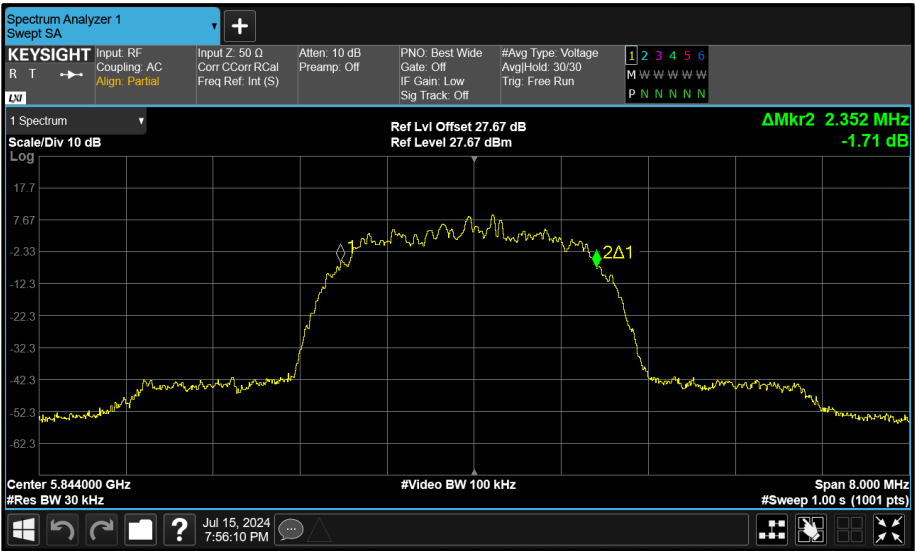


Figure 152 - Core 1 (B) 5844 MHz (CH119) 99% Bandwidth

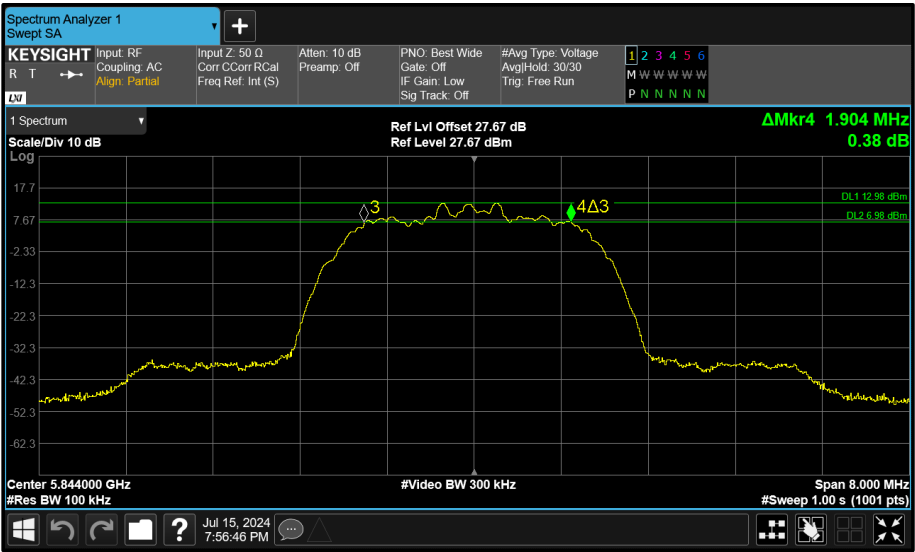


Figure 153 - Core 1 (B) 5844 MHz (CH119) 6 dB Bandwidth



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407(e) RSS-247 6.2.4.1	Test Method(s):	C63.10 6.9.3 789033 D02 v02r01 II.C.2.
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	1.020	1.020	-	-	≥ 500.0
5789	1.020	1.020	-	-	≥ 500.0
5844	1.020	1.020	-	-	≥ 500.0

Table 53 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
5733	4.695	4.635	-	-	-
5789	4.695	4.635	-	-	-
5844	4.695	4.635	-	-	-

Table 54 - 99% Bandwidth Results

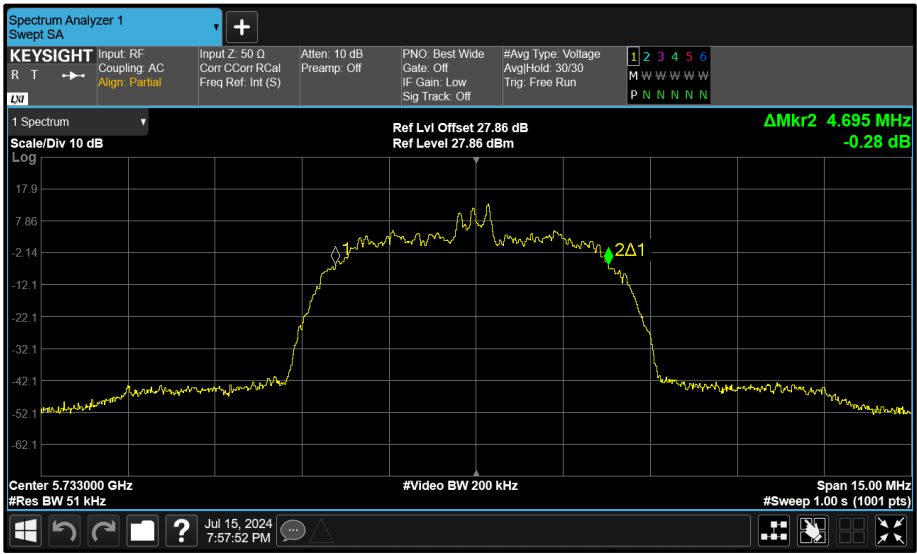


Figure 154 - Core 0 (A) 5733 MHz (CH8) 99% Bandwidth

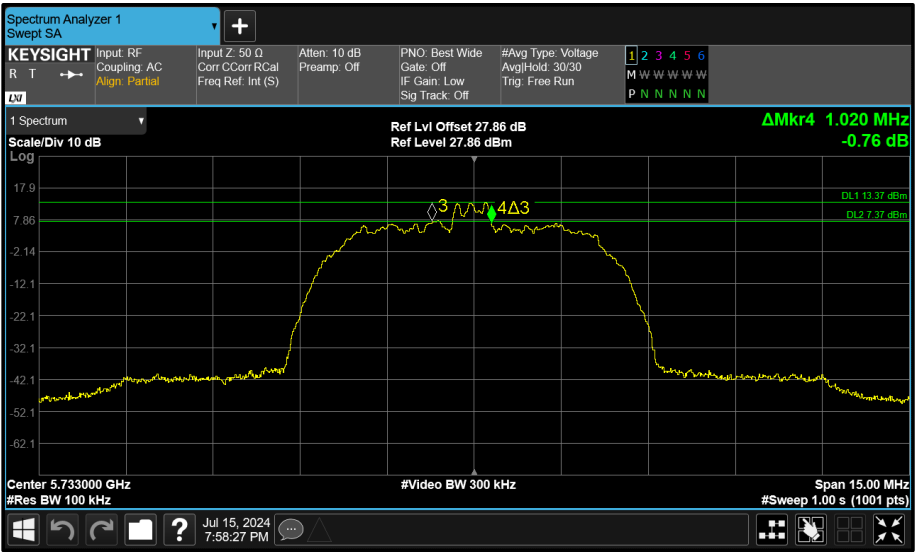


Figure 155 - Core 0 (A) 5733 MHz (CH8) 6 dB Bandwidth

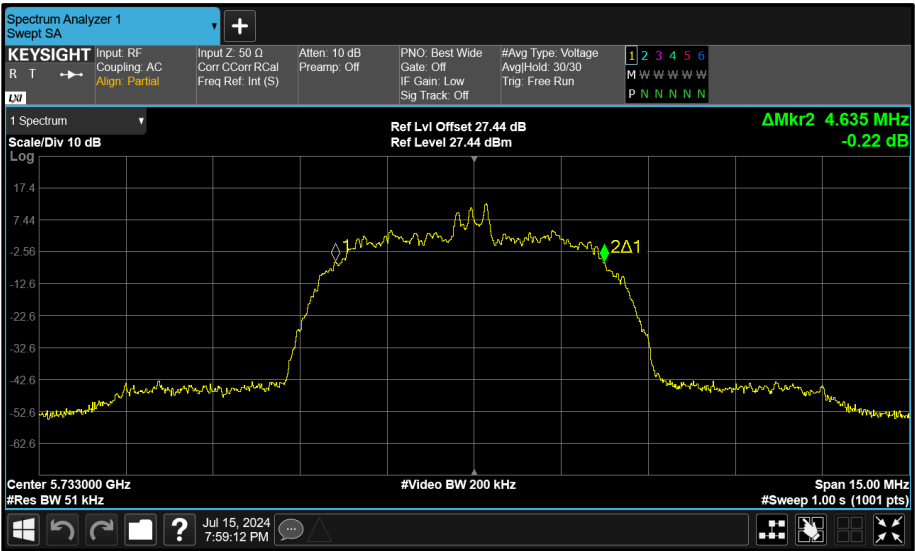


Figure 156 - Core 1 (B) 5733 MHz (CH8) 99% Bandwidth

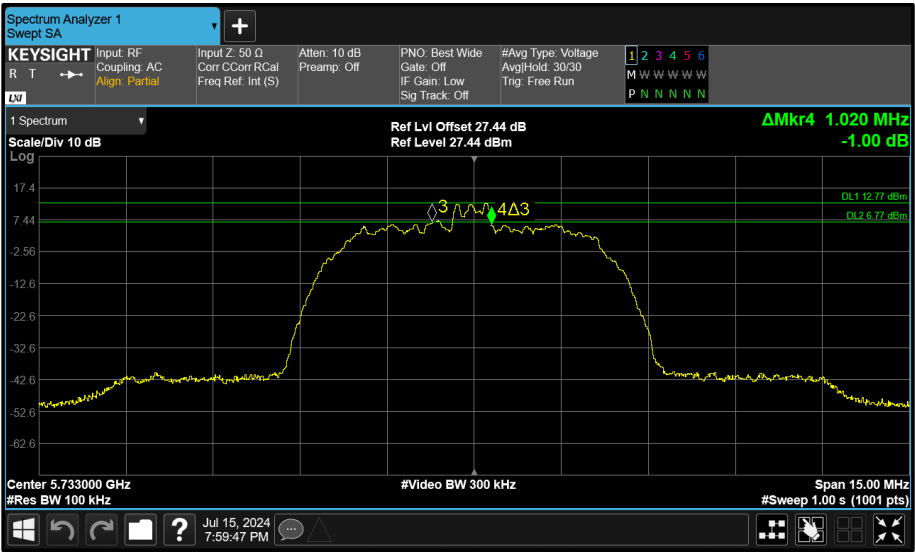


Figure 157 - Core 1 (B) 5733 MHz (CH8) 6 dB Bandwidth

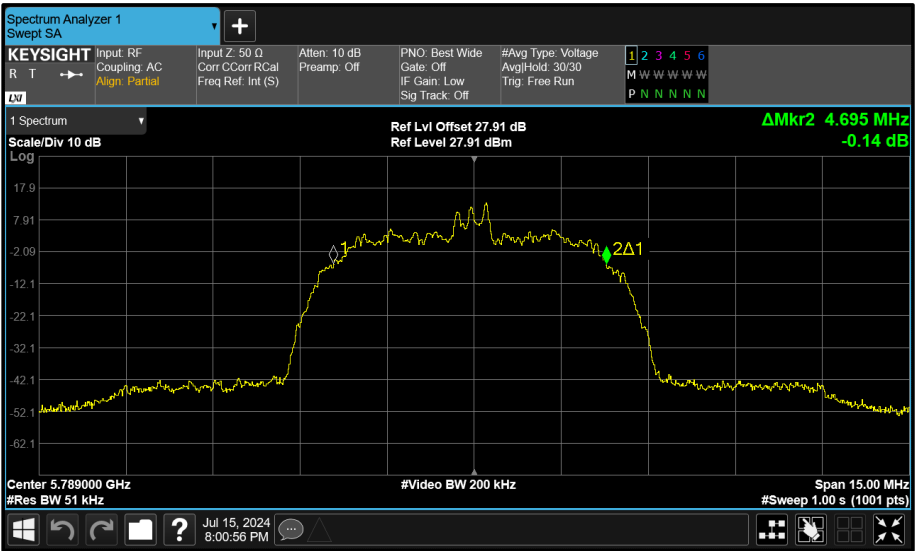


Figure 158 - Core 0 (A) 5789 MHz (CH64) 99% Bandwidth

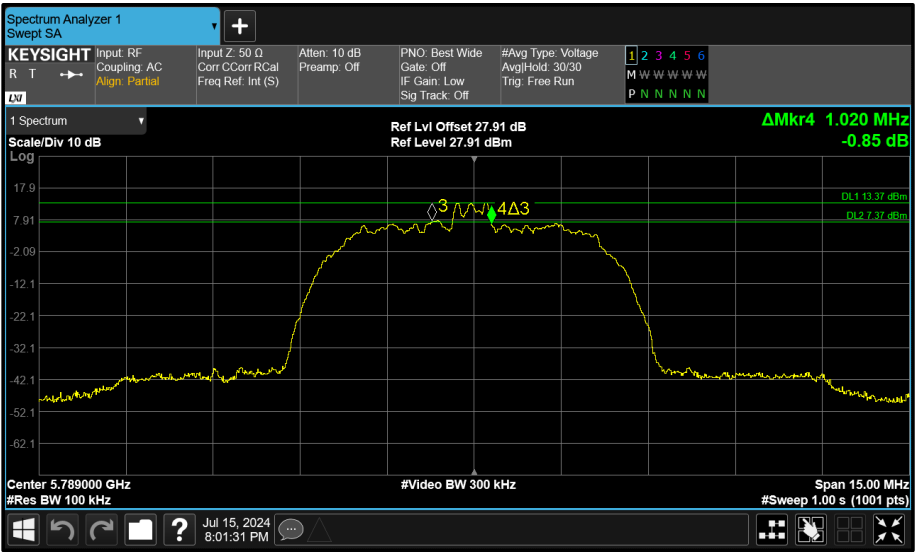


Figure 159 - Core 0 (A) 5789 MHz (CH64) 6 dB Bandwidth

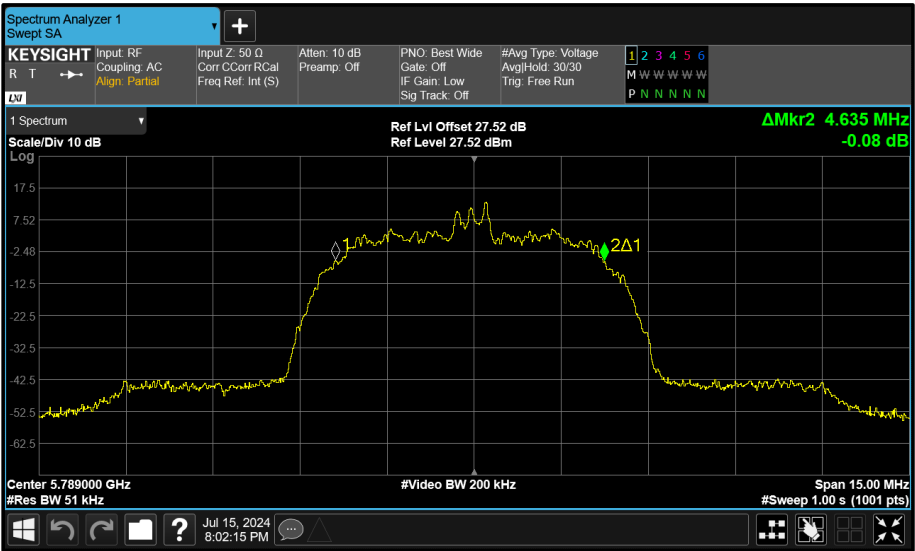


Figure 160 - Core 1 (B) 5789 MHz (CH64) 99% Bandwidth

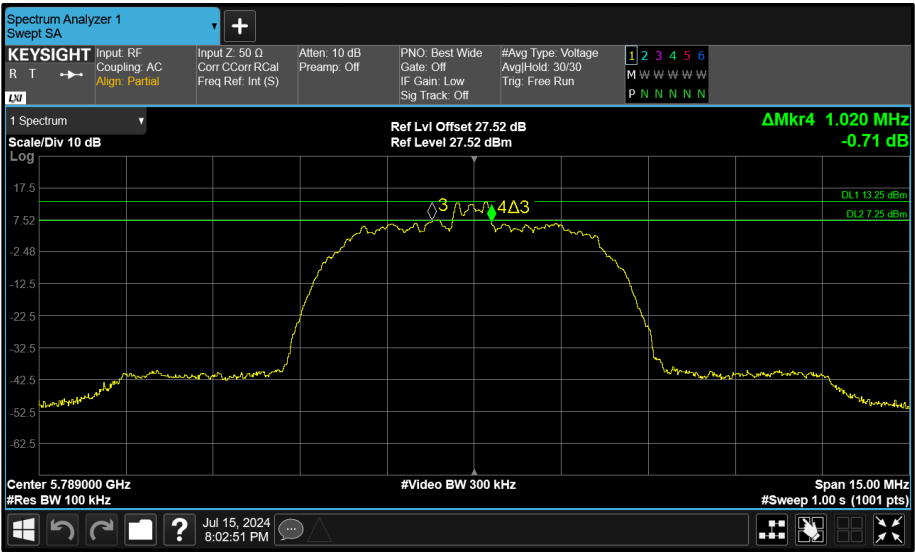


Figure 161 - Core 1 (B) 5789 MHz (CH64) 6 dB Bandwidth

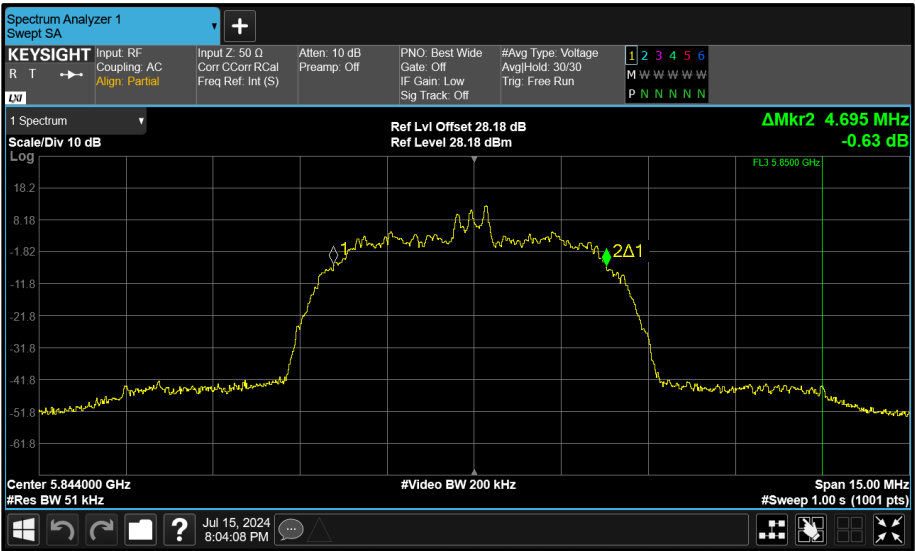


Figure 162 - Core 0 (A) 5844 MHz (CH119) 99% Bandwidth

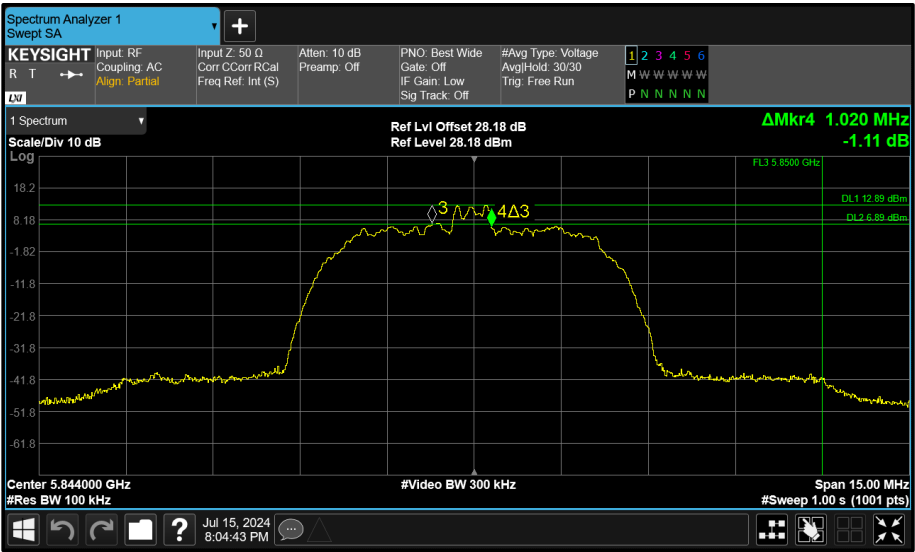


Figure 163 - Core 0 (A) 5844 MHz (CH119) 6 dB Bandwidth

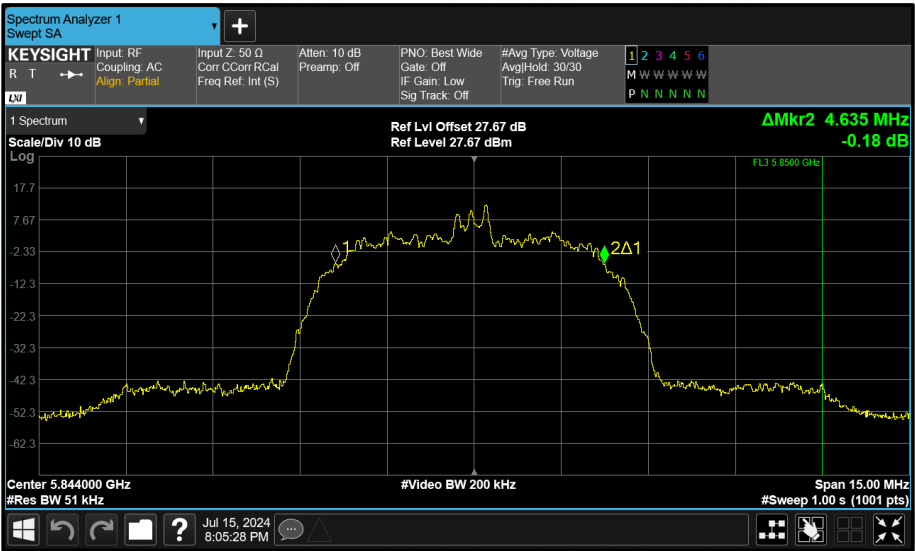


Figure 164 - Core 1 (B) 5844 MHz (CH119) 99% Bandwidth

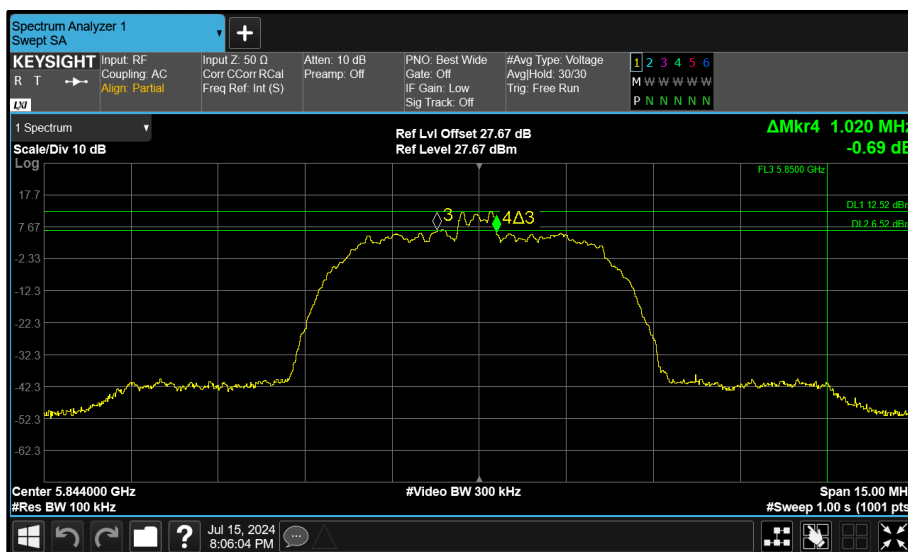


Figure 165 - Core 1 (B) 5844 MHz (CH119) 6 dB Bandwidth

FCC Part 15E, Limit Clause 15.407

5150 MHz to 5250 MHz: None specified.
5250 MHz to 5350 MHz: None specified.
5470 MHz to 5725 MHz: None specified.
5725 MHz to 5850 MHz: > 500 kHz.

ISED RSS-247, Limit Clause 6.2.1.1, 6.2.2.1, 6.2.3.1, 6.2.4.1 and 6.2.5.2

5150 MHz to 5250 MHz: None specified.
5250 MHz to 5350 MHz: None specified.
5470 MHz to 5725 MHz: None specified.
5725 MHz to 5850 MHz: The minimum 6 dB bandwidth shall be at least 500 kHz.
5850 MHz to 5895 MHz: The minimum 6 dB bandwidth shall be at least 500 kHz.

2.2.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Hygrometer	Rotronic	I-1000	3068	12	07-Nov-2024
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
MXA Signal Analyser	Keysight Technologies	N9020B	6419	24	28-Feb-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6517	12	22-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6526	12	22-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6527	12	05-Mar-2025
AC Programmable Power Supply	iTech	IT7324	6665	-	O/P Mon

Table 55

O/P Mon - Output Monitored using calibrated equipment



2.3 Maximum Conducted Output Power

2.3.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (a)
ISED RSS-247, Clause 6.2

2.3.2 Equipment Under Test and Modification State

A3112, S/N: J6HWQT92RK - Modification State 0

2.3.3 Date of Test

15-July-2024 to 21-August-2024

2.3.4 Test Method

The test was performed in accordance with ANSI C63.10 2020 clause 12.4.3.2 (method PM-G). Since the gated power meter was used for method PM-G the EUT was measured only while transmitting and hence no duty cycle correction was necessary.

MIMO output port summing was performed in accordance with KDB 662911 D01.

The EUT has equal conducted powers on all ports for each mode of operation, but unequal antenna gains. Therefore, for SISO and 2TX MIMO modes the EUT was tested on the ports with the highest antenna gain combinations which would result in the highest EIRP output power.

For transmit beamforming (TxBF) mode directional gain was calculated in accordance with clause F)2)d)(i).

2.3.5 Environmental Conditions

Ambient Temperature	20.5 - 22.9 °C
Relative Humidity	47.5 - 58.4 %



2.3.6 Test Results

Narrowband

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	83.4
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	9.98	-	-	-	-	24.00	-14.02
5204	9.79	-	-	-	-	24.00	-14.21
5245	9.95	-	-	-	-	24.00	-14.05

Table 56 - FCC Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	79.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	3.65	-	-	-	-	24.00	-20.35
5204	3.84	-	-	-	-	24.00	-20.16
5245	3.51	-	-	-	-	24.00	-20.49

Table 57 - FCC Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	83.8
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	3.66	-	-	-	-	24.00	-20.34
5204	3.90	-	-	-	-	24.00	-20.10
5245	3.70	-	-	-	-	24.00	-20.30

Table 58 - FCC Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	77.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	10.42	-	-	-	-	29.80	-19.38
5789	10.28	-	-	-	-	29.80	-19.52
5844	10.23	-	-	-	-	29.80	-19.57

Table 59 - Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	3.91	-	-	-	-	29.80	-25.89
5789	3.67	-	-	-	-	29.80	-26.13
5844	3.64	-	-	-	-	29.80	-26.16

Table 60 - Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	3.90	-	-	-	-	29.80	-25.90
5789	3.66	-	-	-	-	29.80	-26.14
5844	3.79	-	-	-	-	29.80	-26.01

Table 61 - Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	88.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	11.81	-	-	-	-	24.00	-12.19
5204	11.76	-	-	-	-	24.00	-12.24
5245	11.75	-	-	-	-	24.00	-12.25

Table 62 - FCC Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	83.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	13.91	-	-	-	-	24.00	-10.09
5204	13.99	-	-	-	-	24.00	-10.01
5245	13.85	-	-	-	-	24.00	-10.15

Table 63 - FCC Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.8
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	14.36	-	-	-	-	29.80	-15.44
5789	14.15	-	-	-	-	29.80	-15.65
5844	14.29	-	-	-	-	29.80	-15.51

Table 64 - Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	14.22	-	-	-	-	29.80	-15.58
5789	14.50	-	-	-	-	29.80	-15.30
5844	14.49	-	-	-	-	29.80	-15.31

Table 65 - Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	82.4
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	3.46	3.66	-	-	6.57	21.24	-14.67
5204	3.49	4.00	-	-	6.76	21.24	-14.48
5245	3.99	3.86	-	-	6.94	21.24	-14.30

Table 66 - FCC Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.8
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	3.92	4.00	-	-	6.97	21.24	-14.27
5204	3.16	3.71	-	-	6.46	21.24	-14.78
5245	3.70	3.41	-	-	6.57	21.24	-14.67

Table 67 - FCC Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	79.2
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	3.72	3.58	-	-	6.66	21.24	-14.58
5204	2.83	3.35	-	-	6.11	21.24	-15.13
5245	3.80	3.32	-	-	6.58	21.24	-14.66

Table 68 - FCC Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.18

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	10.19	10.37	-	-	13.29	27.82	-14.53
5789	10.16	9.98	-	-	13.08	27.82	-14.74
5844	10.20	10.01	-	-	13.12	27.82	-14.70

Table 69 - Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.3
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.18

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	3.70	3.29	-	-	6.51	27.82	-21.31
5789	3.72	3.09	-	-	6.43	27.82	-21.39
5844	3.70	2.87	-	-	6.32	27.82	-21.50

Table 70 -Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.6
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.18

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	3.70	3.29	-	-	6.51	27.82	-21.31
5789	3.73	3.09	-	-	6.43	27.82	-21.39
5844	3.74	2.79	-	-	6.30	27.82	-21.52

Table 71 - Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	82.7
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	5.46	5.52	-	-	8.50	21.24	-12.74
5204	5.78	5.49	-	-	8.65	21.24	-12.59
5245	5.71	5.48	-	-	8.61	21.24	-12.63

Table 72 - FCC Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	82.6
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5162	7.62	7.57	-	-	10.61	21.24	-10.63
5204	7.61	7.01	-	-	10.33	21.24	-10.91
5245	7.67	6.91	-	-	10.31	21.24	-10.93

Table 73 - FCC Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	79.1
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.18

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	14.42	14.37	-	-	17.41	27.82	-10.41
5789	14.48	14.14	-	-	17.32	27.82	-10.50
5844	14.36	14.46	-	-	17.42	27.82	-10.40

Table 74 - Maximum Conducted (average) Output Power Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.8
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.18

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
5733	14.08	13.79	-	-	16.95	27.82	-10.87
5789	14.20	13.74	-	-	16.99	27.82	-10.83
5844	14.03	13.65	-	-	16.86	27.82	-10.96

Table 75 - Maximum Conducted (average) Output Power Results



FCC 47 CFR Part 15E, Limit Clause 15.407(a)

Condition of Operation	Frequency Range (MHz)			
	5150-5250	5250-5350	5470-5725	5725-5850
Max Conducted TX Power	30 dBm (1W) for master device 24 dBm (250 mW) for client device	24 dBm (250 mW) or 11 dBm + 10 Log B, whichever is lower (B = 26 dB emission BW)		30 dBm (1 W)
Max EIRP	4W (36 dBm) with 6 dBi antenna 200 W (53 dBm) for fixed P-t-P application with 23 dBi antenna Additional rule for outdoor operation: Max_EIRP < 125 mW (21 dBm) at any elevation angle > 30° from horizon.	1 W (30 dBm) with 6 dBi antenna		4 W (36 dBm) with 6 dBi antenna. No EIRP limit for fixed P-t-P application (i.e., no antenna gain limit)

Table 76

ISED RSS-247, Limit Clause 6.2.1.1, 6.2.2.1, 6.2.3.1, 6.2.4.1 and 6.2.5.2

Device	Frequency Range (MHz)				
	5150-5250	5250-5350	5470-5725	5725-5850	5850-5895
OEM installed in vehicles	30 mW or 1.76 + 10 log ₁₀ B, dBm (EIRP); whichever is less	30 mW or 1.76 + 10 log ₁₀ B, dBm (EIRP); whichever is less	-	-	-
Other	200 mW or 10 + 10log ₁₀ B dBm (EIRP); whichever is less	250 mW or 11 + 10 log ₁₀ B); whichever is less 1.0 W or 17 + 10log ₁₀ B dBm EIRP; whichever is less	250 mW or 11 + 10 log ₁₀ B); whichever is less 1.0 W or 17 + 10log ₁₀ B dBm EIRP; whichever is less	1W 4W EIRP	Fixed Outdoor Access Point: 4 W EIRP Fixed Outdoor Client: 1 W EIRP Indoor Access Point: 4 W EIRP Indoor subordinate: 4 W EIRP Indoor Client: 1 W EIRP

Table 77



2.3.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 18 and RF Laboratory 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Hygrometer	Rotronic	I-1000	3068	12	07-Nov-2024
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
MXA Signal Analyser	Keysight Technologies	N9020B	6417	24	26-Feb-2025
MXA Signal Analyser	Keysight Technologies	N9020B	6419	24	28-Feb-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6517	12	22-Feb-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6518	12	16-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6526	12	22-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6527	12	05-Mar-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6529	12	16-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6530	12	16-Feb-2025
USB Wideband Power Sensor	Boonton	RTP5008	6585	12	20-Feb-2025
USB Wideband Power Sensor	Boonton	RTP5008	6586	12	20-Feb-2025
USB Wideband Power Sensor	Boonton	RTP5008	6587	12	13-Feb-2025
USB Wideband Power Sensor	Boonton	RTP5008	6588	12	13-Feb-2025
AC Programmable Power Supply	iTech	IT7324	6662	-	O/P Mon
AC Programmable Power Supply	iTech	IT7324	6665	-	O/P Mon

Table 78

O/P Mon - Output Monitored using calibrated equipment



2.4 Maximum Conducted Power Spectral Density

2.4.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (a)
ISED RSS-247, Clause 6.2

2.4.2 Equipment Under Test and Modification State

A3112, S/N: J6HWQT92RK - Modification State 0

2.4.3 Date of Test

15-July-2024 to 21-August-2024

2.4.4 Test Method

The test was performed in accordance with ANSI C63.10 2020 clause 12.6.

Where the EUT duty cycle was < 98 % and repeatable within 2 %, the spectrum analyser was set to trace (power) averaging and a duty cycle correction was added as calculated in the result tables below (Method SA-2). Where the duty cycle was = 98 % the spectrum analyser was set to trace (power) averaging and no duty cycle correction made (Method SA-1). In all other cases the spectrum analyser trace was set to max hold (Method SA-3).

Results for the U-NII-3 band were measured in a narrower bandwidth and integrated over 500 kHz using the spectrum analysers channel power integration function.

The output power was verified as being the same from each transmit core (within negligible tolerances), but the antenna gains were not identical. Therefore, the modes reported for SISO or 2TX MIMO operation are those giving the highest EIRP and/or lowest conducted limit based on the combination of antennas giving highest total directional gain.

MIMO output port summing was performed in accordance with KDB 662911 D01.

For transmit beamforming (TxBF) mode directional gain was calculated in accordance with clause F)2)d)(i).

2.4.5 Environmental Conditions

Ambient Temperature	20.5 - 22.9 °C
Relative Humidity	47.5 - 58.4 %



2.4.6 Test Results

Narrowband

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	83.4
Antenna Configuration:	SISO	DCCF (dB):	0.79
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	9.41	-	-	-	-	11.00	-1.59
5204	8.58	-	-	-	-	11.00	-2.42
5245	9.00	-	-	-	-	11.00	-2.00

Table 79 - FCC Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	79.0
Antenna Configuration:	SISO	DCCF (dB):	1.03
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	0.47	-	-	-	-	11.00	-10.53
5204	1.21	-	-	-	-	11.00	-9.79
5245	1.08	-	-	-	-	11.00	-9.92

Table 80 - FCC Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	83.8
Antenna Configuration:	SISO	DCCF (dB):	0.77
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	-1.73	-	-	-	-	11.00	-12.73
5204	-2.09	-	-	-	-	11.00	-13.09
5245	-2.42	-	-	-	-	11.00	-13.42

Table 81 - FCC Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	SISO	DCCF (dB):	1.14
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / 500 kHz)	Margin (dB)
	A	B	C	D	Σ		
5733	9.15	-	-	-	-	29.80	-20.65
5789	9.18	-	-	-	-	29.80	-20.62
5844	9.17	-	-	-	-	29.80	-20.63

Table 82 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.3
Antenna Configuration:	SISO	DCCF (dB):	1.06
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / 500 kHz)	Margin (dB)
	A	B	C	D	Σ		
5733	-1.39	-	-	-	-	29.80	-31.19
5789	-1.05	-	-	-	-	29.80	-30.85
5844	-1.91	-	-	-	-	29.80	-31.71

Table 83 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.7
Antenna Configuration:	SISO	DCCF (dB):	1.04
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / 500 kHz)	Margin (dB)
	A	B	C	D	Σ		
5733	-3.50	-	-	-	-	29.80	-33.30
5789	-4.20	-	-	-	-	29.80	-34.00
5844	-4.08	-	-	-	-	29.80	-33.88

Table 84 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	88.3
Antenna Configuration:	SISO	DCCF (dB):	0.71
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	8.35	-	-	-	-	11.00	-2.65
5204	8.25	-	-	-	-	11.00	-2.75
5245	8.64	-	-	-	-	11.00	-2.36

Table 85 - FCC Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	83.7
Antenna Configuration:	SISO	DCCF (dB):	0.77
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	8.54	-	-	-	-	11.00	-2.46
5204	7.70	-	-	-	-	11.00	-3.30
5245	7.96	-	-	-	-	11.00	-3.04

Table 86 - FCC Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.8
Antenna Configuration:	SISO	DCCF (dB):	1.04
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / 500 kHz)	Margin (dB)
	A	B	C	D	Σ		
5733	9.40	-	-	-	-	29.80	-20.40
5789	9.31	-	-	-	-	29.80	-20.49
5844	9.22	-	-	-	-	29.80	-20.58

Table 87 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	-		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.9
Antenna Configuration:	SISO	DCCF (dB):	1.03
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	6.20

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / 500 kHz)	Margin (dB)
	A	B	C	D	Σ		
5733	6.28	-	-	-	-	29.80	-23.52
5789	5.91	-	-	-	-	29.80	-23.89
5844	6.43	-	-	-	-	29.80	-23.37

Table 88 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	82.4
Antenna Configuration:	Beamforming	DCCF (dB):	0.84
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	3.30	3.56	-	-	6.45	8.24	-1.79
5204	2.26	2.87	-	-	5.59	8.24	-2.65
5245	2.97	3.33	-	-	6.17	8.24	-2.07

Table 89 - FCC Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.8
Antenna Configuration:	Beamforming	DCCF (dB):	1.04
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	1.43	1.18	-	-	4.32	8.24	-3.92
5204	-0.19	0.27	-	-	3.06	8.24	-5.18
5245	1.23	0.44	-	-	3.86	8.24	-4.38

Table 90 - FCC Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	79.2
Antenna Configuration:	Beamforming	DCCF (dB):	1.01
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	-2.13	-1.17	-	-	1.39	8.24	-6.85
5204	-2.85	-2.19	-	-	0.50	8.24	-7.74
5245	-2.15	-1.72	-	-	1.08	8.24	-7.16

Table 91 - FCC Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	Beamforming	DCCF (dB):	1.14
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.18

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / 500 kHz)	Margin (dB)
	A	B	C	D	Σ		
5733	9.11	9.51	-	-	12.32	27.82	-15.50
5789	9.11	9.28	-	-	12.20	27.82	-15.62
5844	9.45	8.95	-	-	12.22	27.82	-15.60

Table 92 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.3
Antenna Configuration:	Beamforming	DCCF (dB):	1.06
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.18

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / 500 kHz)	Margin (dB)
	A	B	C	D	Σ		
5733	-1.03	-1.45	-	-	1.77	27.82	-26.05
5789	-1.31	-1.93	-	-	1.40	27.82	-26.42
5844	-1.22	-2.44	-	-	1.22	27.82	-26.60

Table 93 - Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.725-5.850 GHz	Band:	U-NII-3
Limit Clause(s):	15.407 (a)(3) RSS-247 6.2.4.1	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.6
Antenna Configuration:	Beamforming	DCCF (dB):	1.04
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.18

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / 500 kHz)	Margin (dB)
	A	B	C	D	Σ		
5733	-3.85	-4.76	-	-	-1.27	27.82	-29.09
5789	-4.47	-4.73	-	-	-1.59	27.82	-29.41
5844	-4.13	-5.17	-	-	-1.61	27.82	-29.43

Table 94 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	82.7
Antenna Configuration:	Beamforming	DCCF (dB):	0.83
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	2.77	2.52	-	-	5.66	8.24	-2.58
5204	2.62	2.55	-	-	5.60	8.24	-2.64
5245	2.52	2.46	-	-	5.50	8.24	-2.74

Table 95 - FCC Maximum Power Spectral Density Results

Test Configuration			
Frequency Range:	5.150-5.250 GHz	Band:	U-NII-1
Limit Clause(s):	15.407 (a)(1)(iv)	Test Method(s):	C63.10 12.4.2.4 C63.10 12.6
Additional Reference(s):	662911 D01 v02r01 E)2)b)		
Note(s):	DCCF was added to the spectrum analyser reference level offset.		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	82.6
Antenna Configuration:	Beamforming	DCCF (dB):	0.83
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	8.76

Test Frequency (MHz)	PSD (dBm/MHz)					Limit (dBm / MHz)	Margin (dB)
	A	B	C	D	Σ		
5162	2.29	2.69	-	-	5.51	8.24	-2.73
5204	1.75	1.17	-	-	4.48	8.24	-3.76
5245	1.61	1.47	-	-	4.55	8.24	-3.69

Table 96 - FCC Maximum Power Spectral Density Results