



2.4.6 Test Results

2.4 GHz Bluetooth BDR/EDR

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

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

Number of Hopping Frequencies	Limit
79	≥15.0

Table 44 - Number of Hopping Frequencies Results

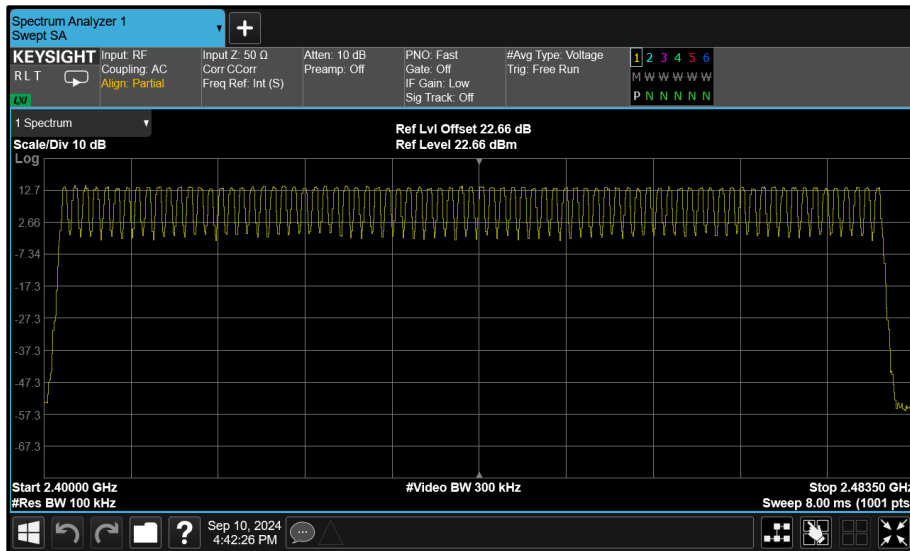


Figure 63 - GFSK (DH5) - Number of Hopping Channels

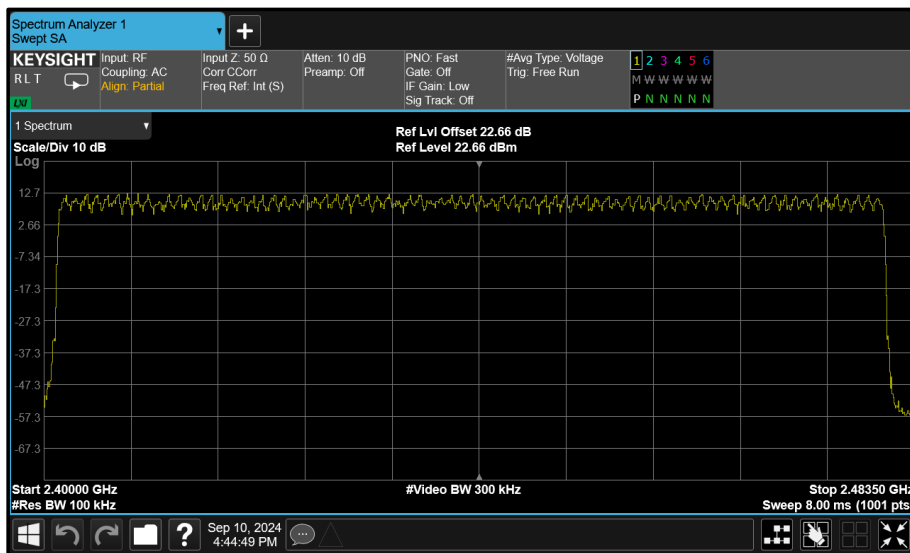


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	$\geq 15.0$

**Table 45 - Number of Hopping Frequencies Results**



**Figure 64 -  $\pi/4$  DQPSK (2-DH5) - Number of Hopping Channels**

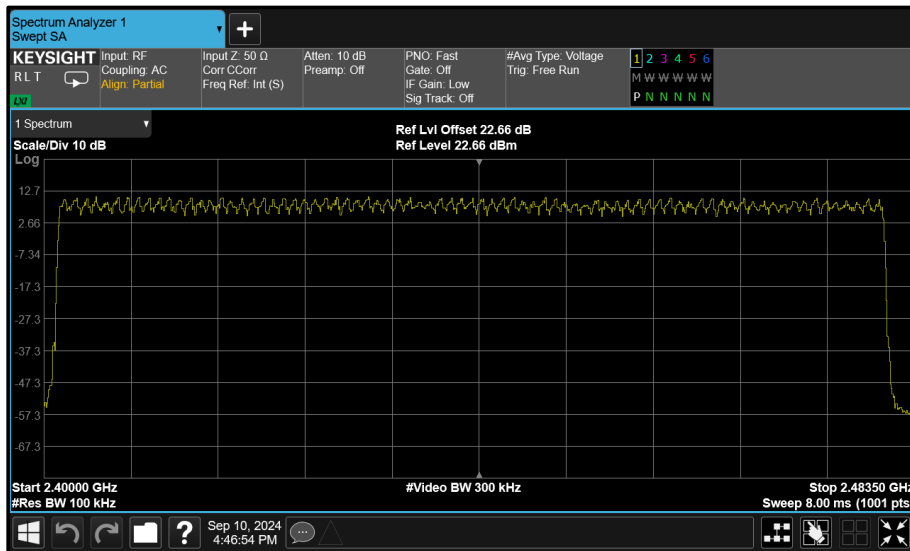


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	≥15.0

**Table 46 - Number of Hopping Frequencies Results**



**Figure 65 - 8-DPSK (3-DH5) - Number of Hopping Channels**

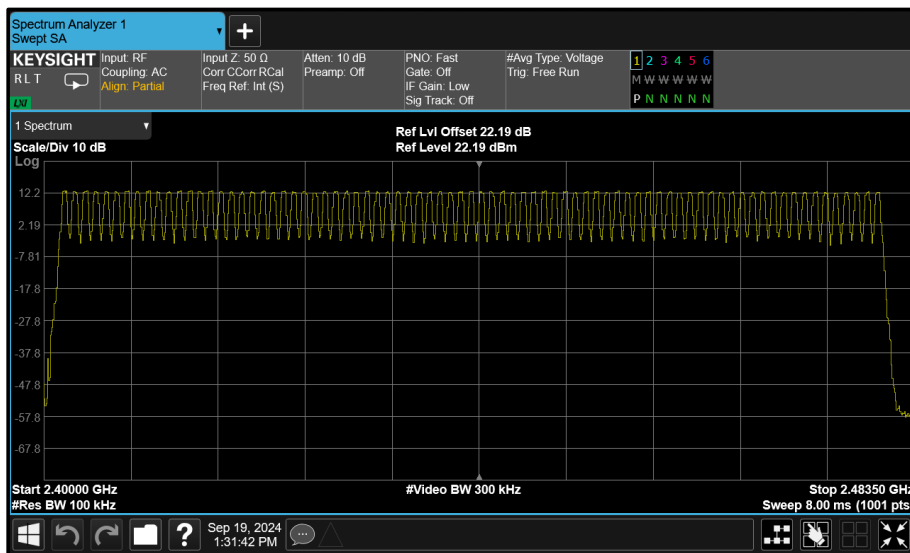


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	≥15.0

**Table 47 - Number of Hopping Frequencies Results**



**Figure 66 - GFSK (DH5) - Number of Hopping Channels**

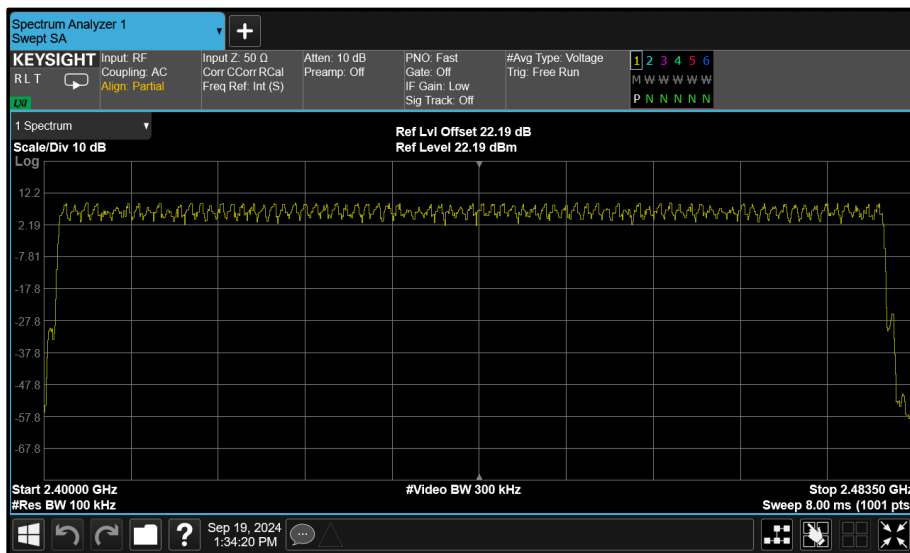


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	$\geq 15.0$

**Table 48 - Number of Hopping Frequencies Results**



**Figure 67 -  $\pi/4$  DQPSK (2-DH5) - Number of Hopping Channels**

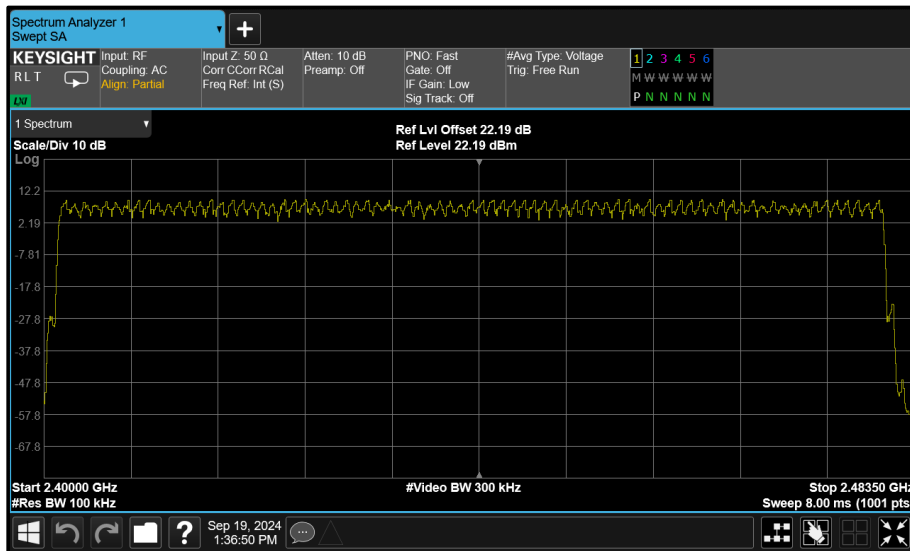


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	≥15.0

**Table 49 - Number of Hopping Frequencies Results**



**Figure 68 - 8-DPSK (3-DH5) - Number of Hopping Channels**

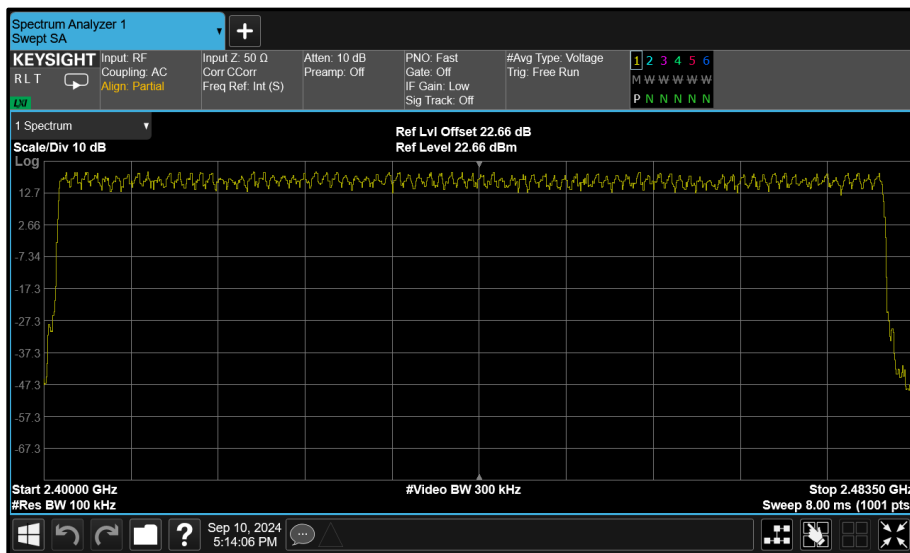


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	$\geq 15.0$

**Table 50 - Number of Hopping Frequencies Results**



**Figure 69 -  $\pi/4$  DQPSK (2-DH5) - Number of Hopping Channels**

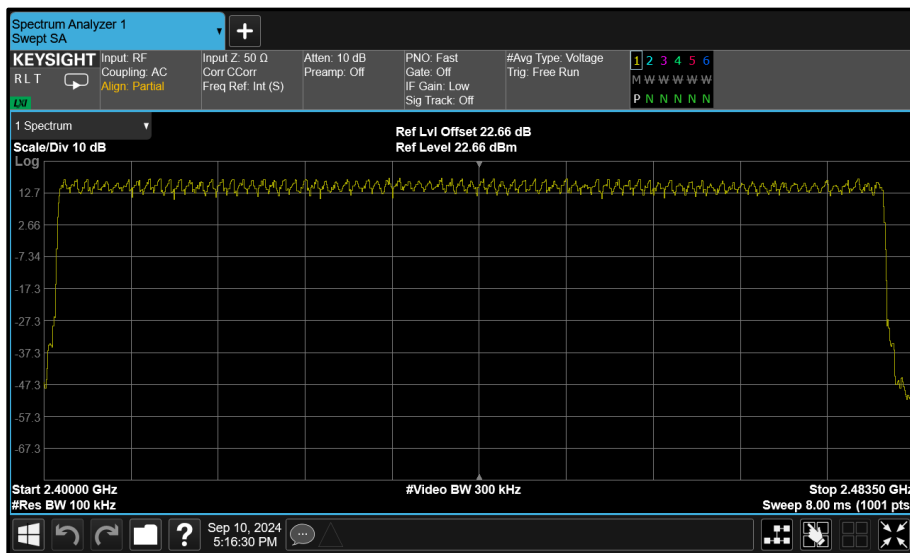


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	≥15.0

**Table 51 - Number of Hopping Frequencies Results**



**Figure 70 - 8-DPSK (3-DH5) - Number of Hopping Channels**



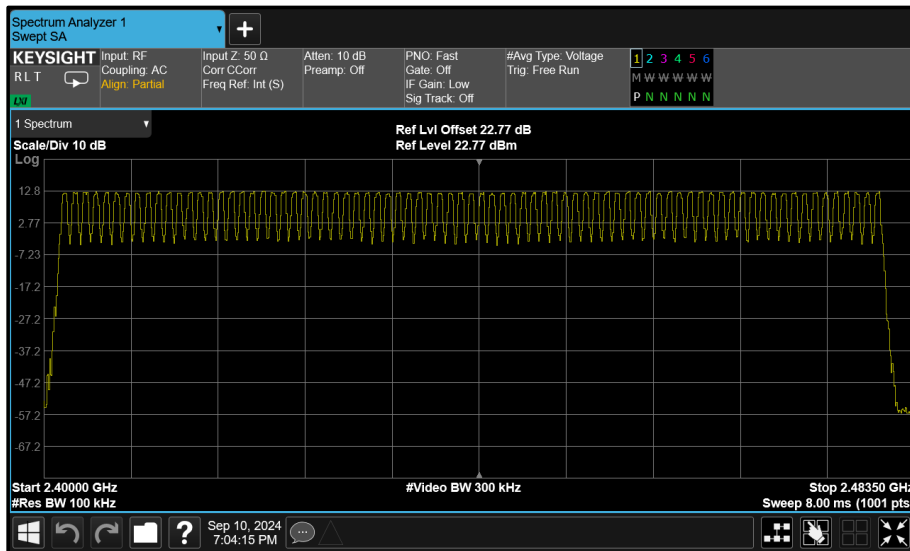


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

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):	-

Number of Hopping Frequencies	Limit
79	≥15.0

**Table 52 - Number of Hopping Frequencies Results**



**Figure 71 - GFSK (DH5) - Number of Hopping Channels**

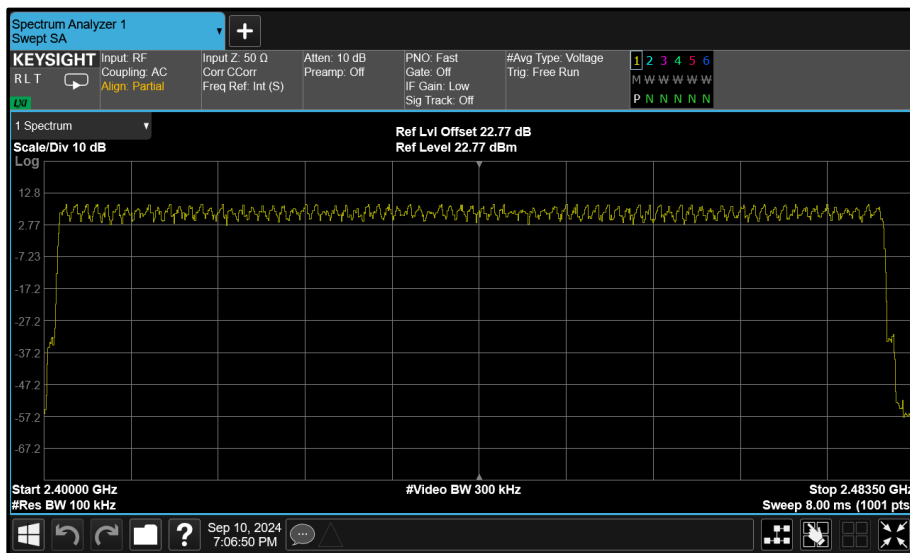


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	$\geq 15.0$

**Table 53 - Number of Hopping Frequencies Results**



**Figure 72 -  $\pi/4$  DQPSK (2-DH5) - Number of Hopping Channels**

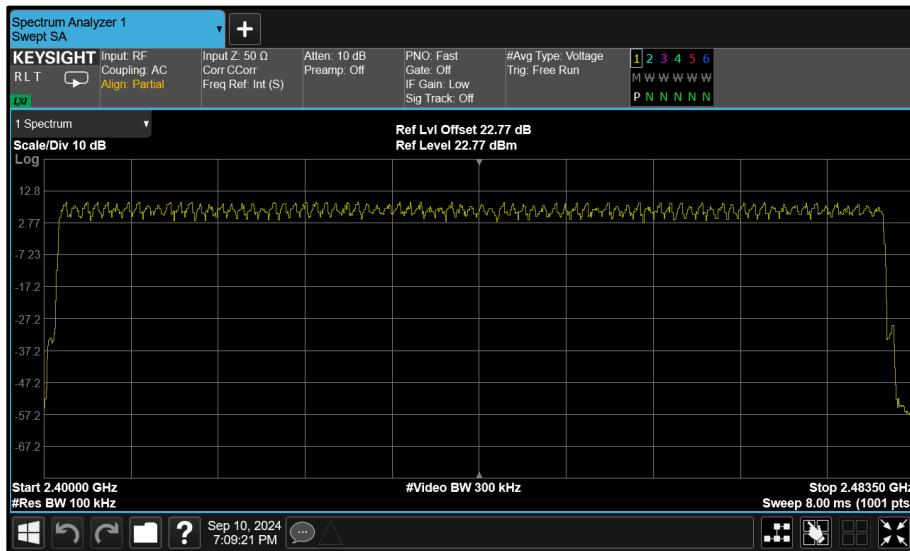


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	≥15.0

**Table 54 - Number of Hopping Frequencies Results**



**Figure 73 - 8-DPSK (3-DH5) - Number of Hopping Channels**

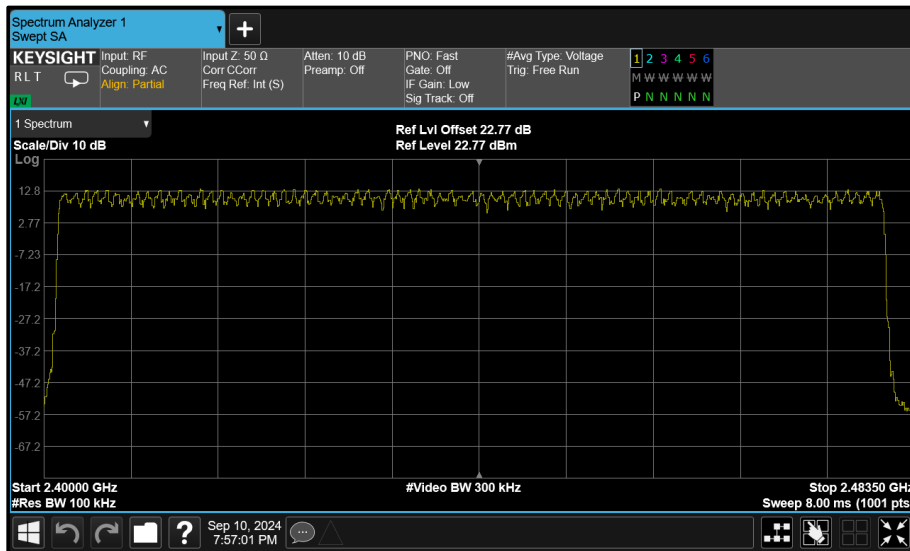


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	$\geq 15.0$

**Table 55 - Number of Hopping Frequencies Results**



**Figure 74 -  $\pi/4$  DQPSK (2-DH5) - Number of Hopping Channels**

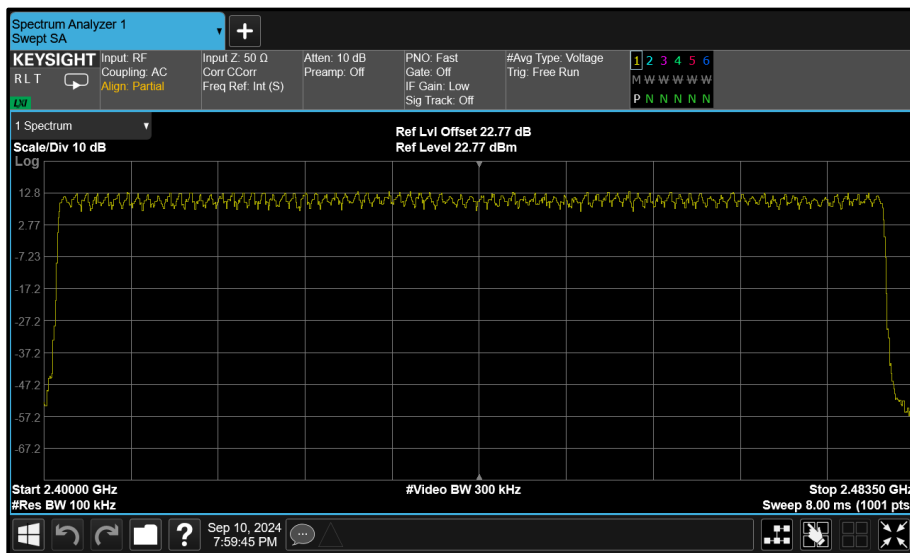


Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247(a)(1)(iii) RSS-247 5.1 d)	Test Method(s):	C63.10 7.8.3
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Number of Hopping Frequencies	Limit
79	≥15.0

**Table 56 - Number of Hopping Frequencies Results**



**Figure 75 - 8-DPSK (3-DH5) - Number of Hopping Channels**

FCC 47 CFR Part 15, Limit Clause 15.247 (a)(1)(iii)

≥ 15 channels



**2.4.7 Test Location and Test Equipment Used**

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

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Hygrometer	Rotronic	I-1000	3068	12	07-Nov-2024
AC Programmable Power Supply	iTech	IT7324	5225	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5529	24	13-Dec-2024
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5919	24	18-Mar-2026
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	6426	12	07-Feb-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6517	12	22-Feb-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	08-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	09-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	09-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6522	12	09-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	6528	12	22-Feb-2025
AC Programmable Power Supply	iTech	IT7324	6665	-	O/P Mon
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6752	12	06-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6753	12	06-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6754	0	06-Feb-2025

**Table 57**

O/P Mon - Output Monitored using calibrated equipment



**2.5 Frequency Hopping Systems - 99% & 20 dB Bandwidth**

**2.5.1 Specification Reference**

FCC 47 CFR Part 15C, Clause 15.247 (a)(1)

**2.5.2 Equipment Under Test and Modification State**

A3185, S/N: GRJJT9QH7L - Modification State 0  
A3185, S/N: GHGG6N440H - Modification State 0  
A3185, S/N: HM9QNWPCFQ - Modification State 0

**2.5.3 Date of Test**

10-September-2024 to 24-September-2024

**2.5.4 Test Method**

The test was performed in accordance with ANSI C63.10, clause 6.9.2 for 20 dB Bandwidth and ANSI C63.10, clause 6.9.3 for 99% Bandwidth.

**2.5.5 Environmental Conditions**

Ambient Temperature	21.5 - 22.8 °C
Relative Humidity	51.8 - 58.6 %



**2.5.6 Test Results**

2.4 GHz Bluetooth BDR/EDR

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247 (a)(1) RSS-247 5.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

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

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	-	0.855	-	-
2441	-	0.855	-	-
2480	-	0.858	-	-

**Table 58 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	0.855	-	-	-
2441	-	0.855	-	-	-
2480	-	0.858	-	-	-

**Table 59 - 99% Bandwidth Results**



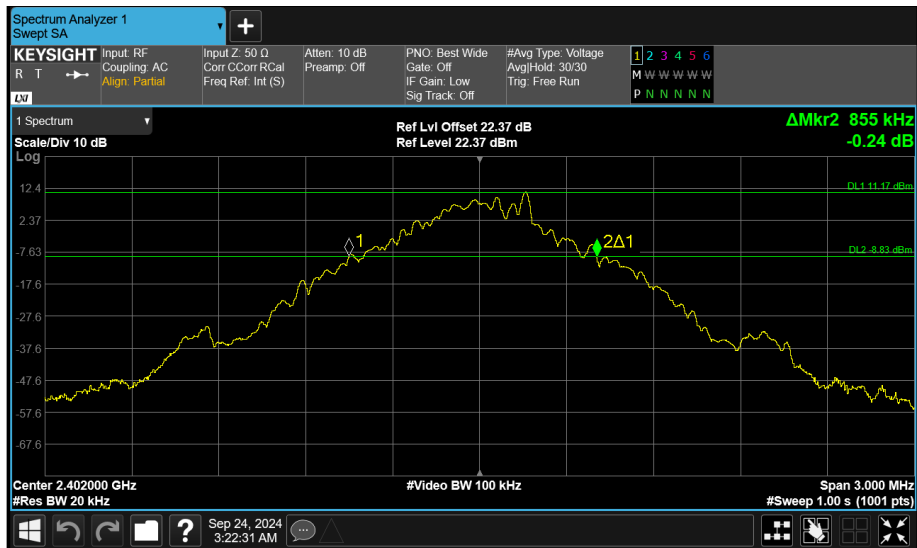


Figure 76 - Core 1 (B) 2402 MHz (CH0) 20 dB Bandwidth

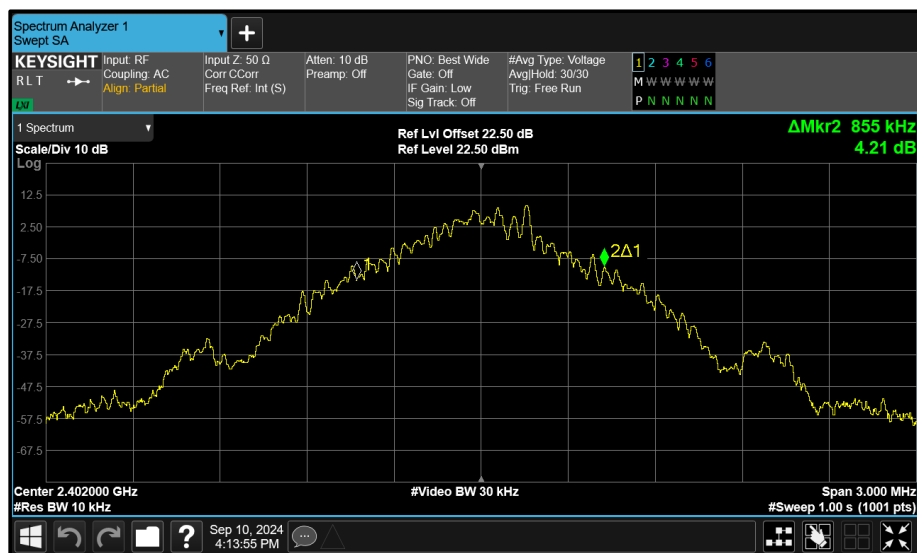


Figure 77 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth

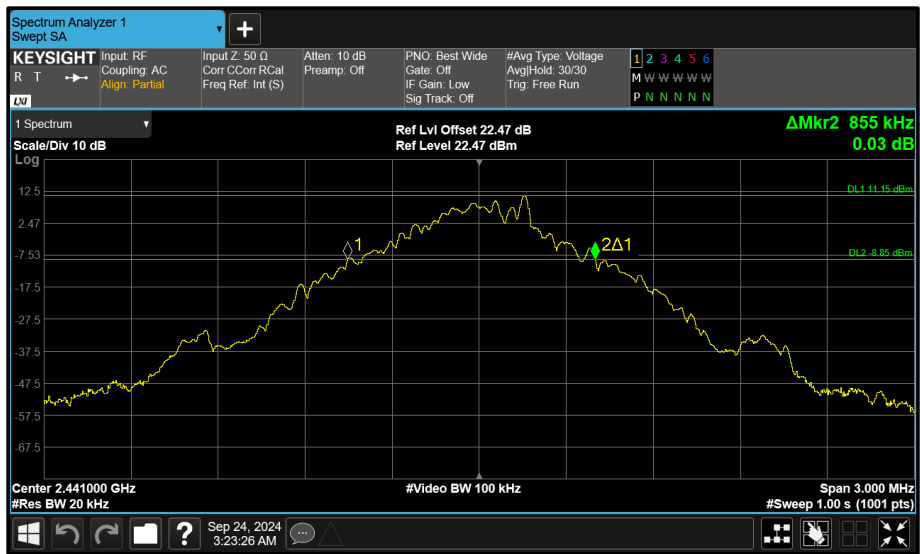


Figure 78 - Core 1 (B) 2441 MHz (CH39) 20 dB Bandwidth

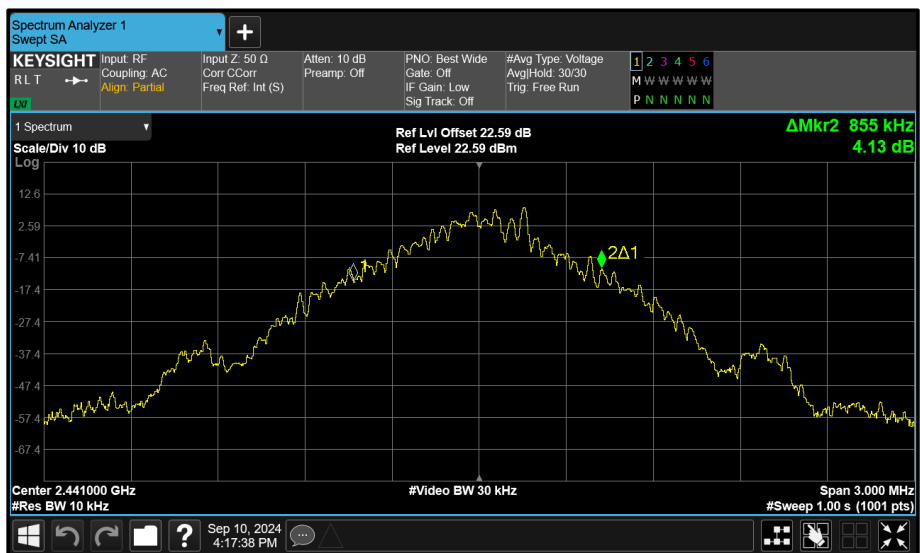


Figure 79 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

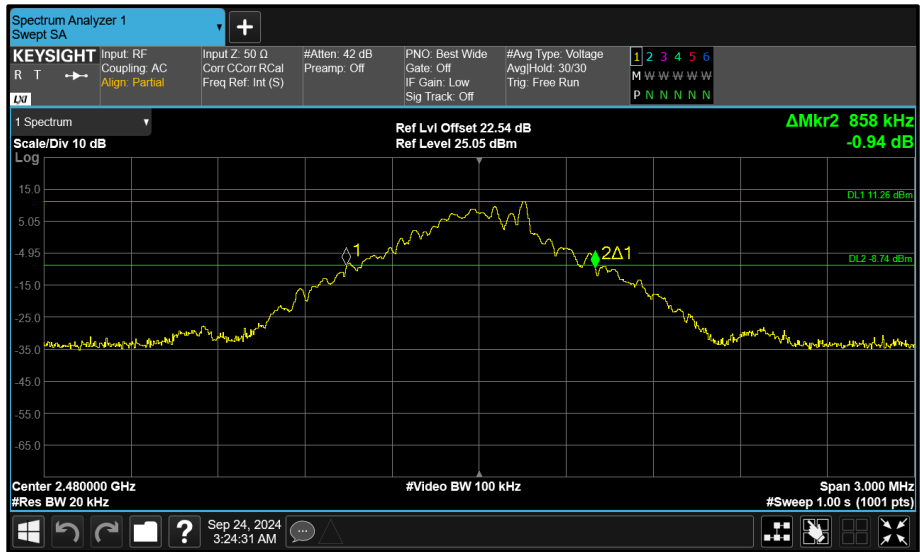


Figure 80 - Core 1 (B) 2480 MHz (CH78) 20 dB Bandwidth

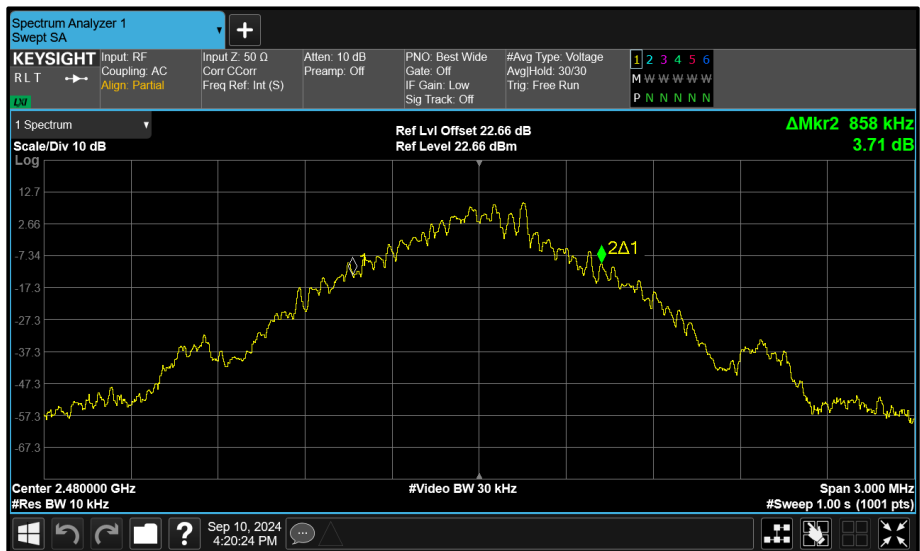


Figure 81 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247 (a)(1) RSS-247 5.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	-	1.330	-	-
2441	-	1.325	-	-
2480	-	1.325	-	-

**Table 60 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	1.184	-	-	-
2441	-	1.184	-	-	-
2480	-	1.184	-	-	-

**Table 61 - 99% Bandwidth Results**

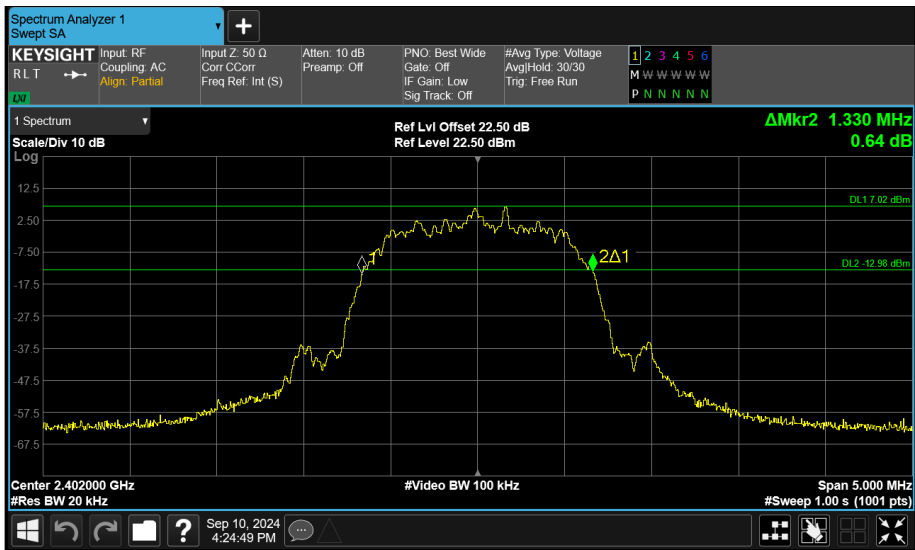


Figure 82 - Core 1 (B) 2402 MHz (CH0) 20 dB Bandwidth

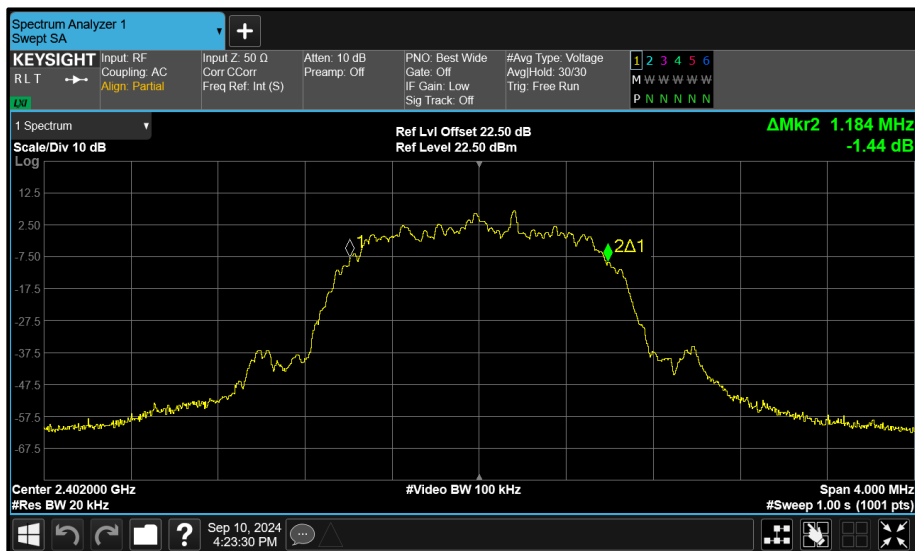


Figure 83 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth







Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247 (a)(1) RSS-247 5.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	-	1.260	-	-
2441	-	1.260	-	-
2480	-	1.260	-	-

**Table 62 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	1.184	-	-	-
2441	-	1.188	-	-	-
2480	-	1.188	-	-	-

**Table 63 - 99% Bandwidth Results**



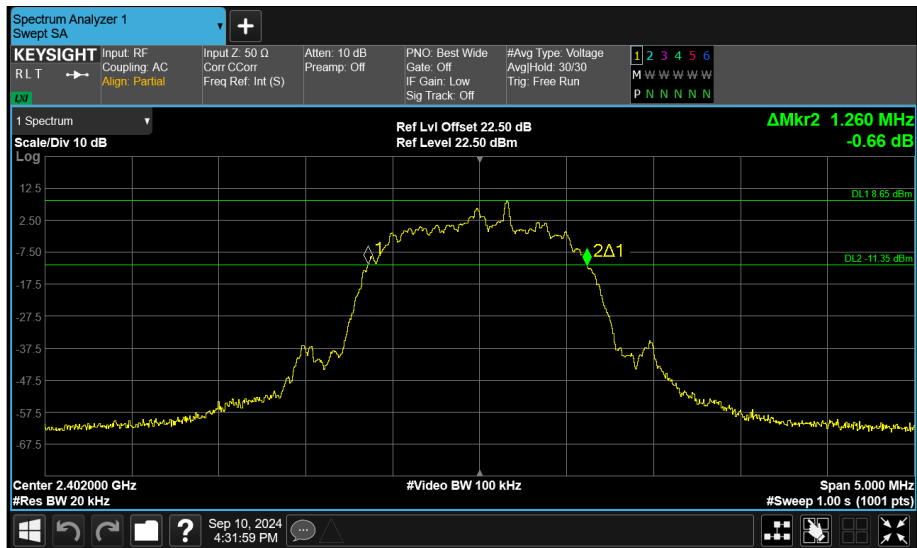


Figure 88 - Core 1 (B) 2402 MHz (CH0) 20 dB Bandwidth

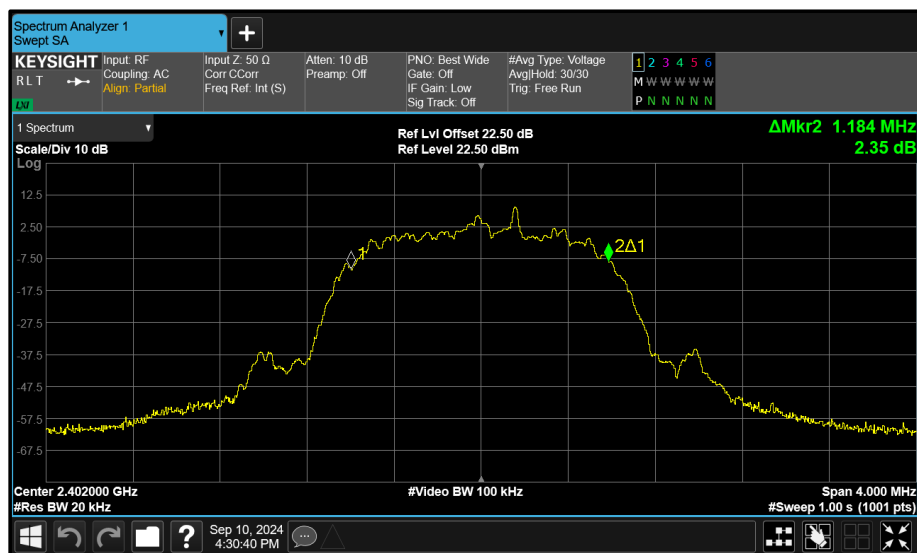


Figure 89 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth







Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	-	-	0.858	-
2441	-	-	0.855	-
2480	-	-	0.855	-

**Table 64 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	-	0.861	-	-
2441	-	-	0.864	-	-
2480	-	-	0.864	-	-

**Table 65 - 99% Bandwidth Results**

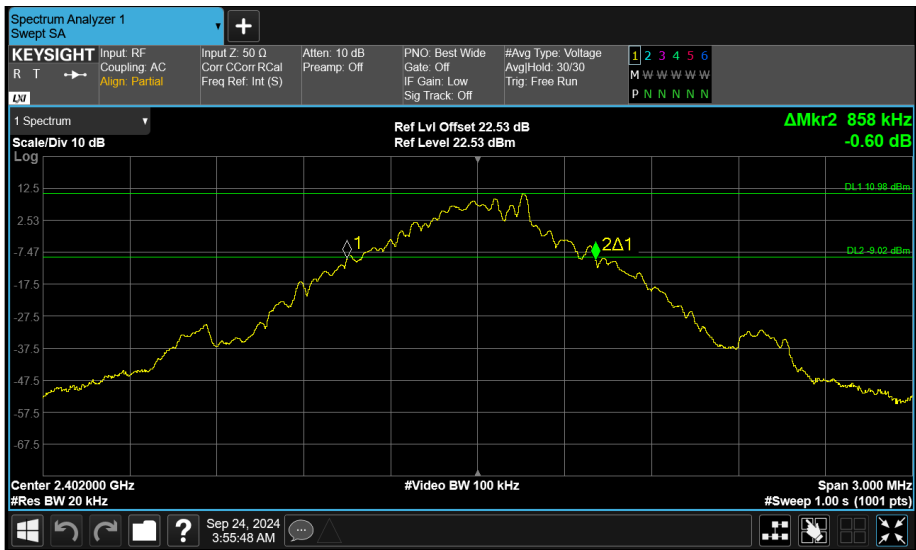


Figure 94 - Core 2 (C) 2402 MHz (CH0) 20 dB Bandwidth

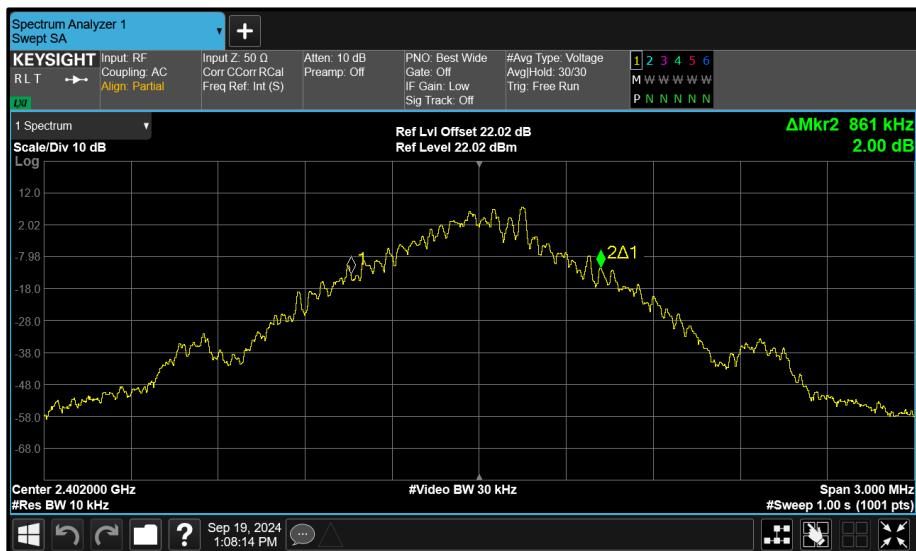


Figure 95 - Core 2 (C) 2402 MHz (CH0) 99% Bandwidth

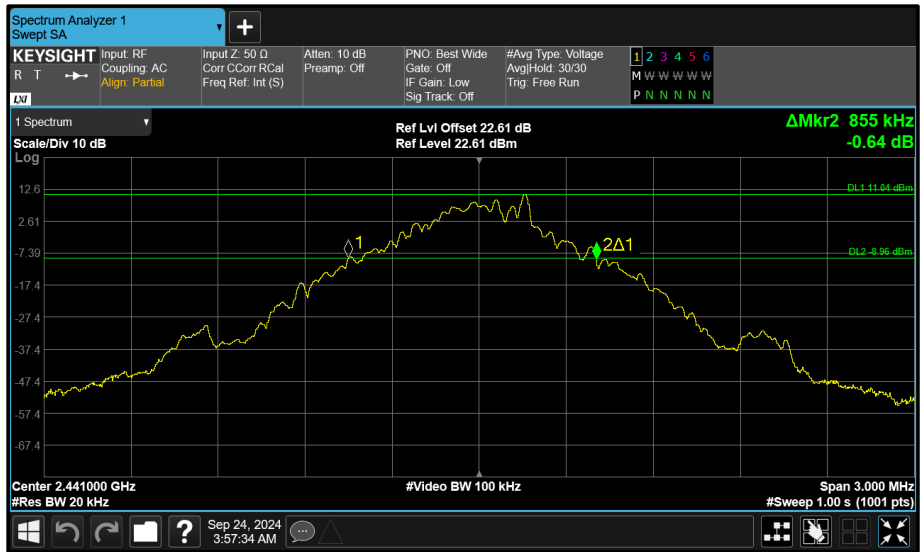


Figure 96 - Core 2 (C) 2441 MHz (CH39) 20 dB Bandwidth

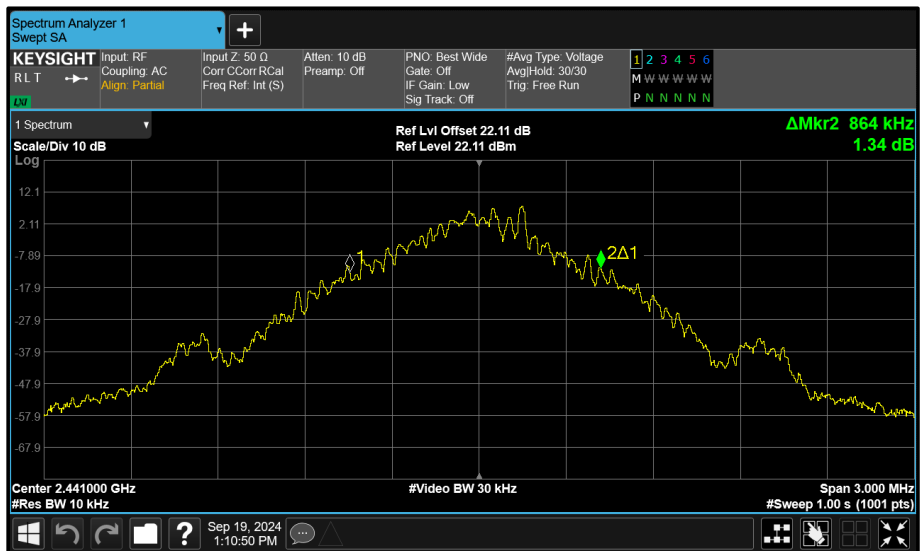


Figure 97 - Core 2 (C) 2441 MHz (CH39) 99% Bandwidth

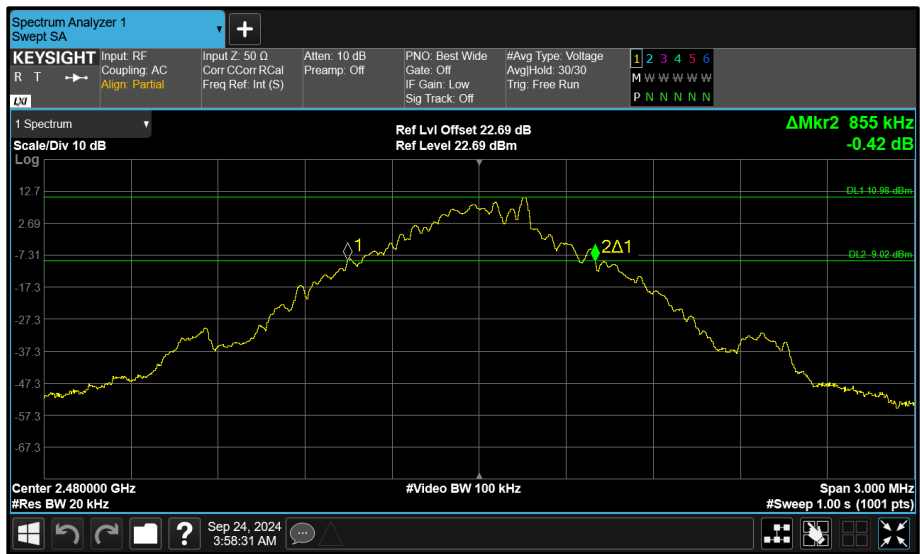


Figure 98 - Core 2 (C) 2480 MHz (CH78) 20 dB Bandwidth

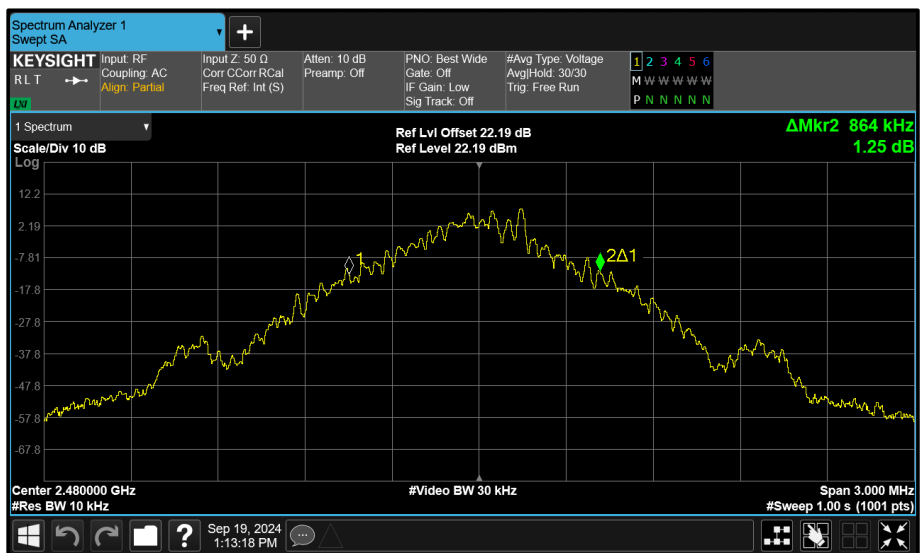


Figure 99 - Core 2 (C) 2480 MHz (CH78) 99% Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	-	-	1.325	-
2441	-	-	1.330	-
2480	-	-	1.325	-

**Table 66 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	-	1.188	-	-
2441	-	-	1.192	-	-
2480	-	-	1.192	-	-

**Table 67 - 99% Bandwidth Results**



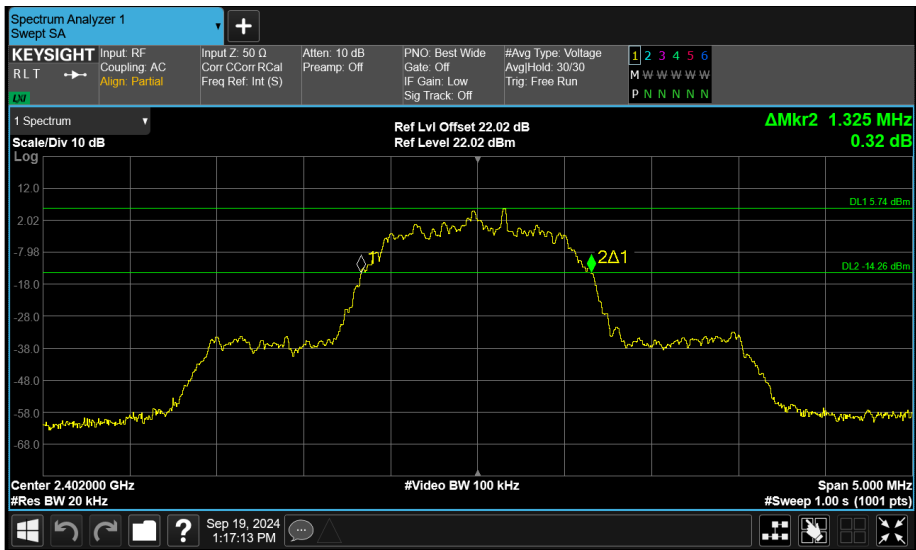


Figure 100 - Core 2 (C) 2402 MHz (CH0) 20 dB Bandwidth

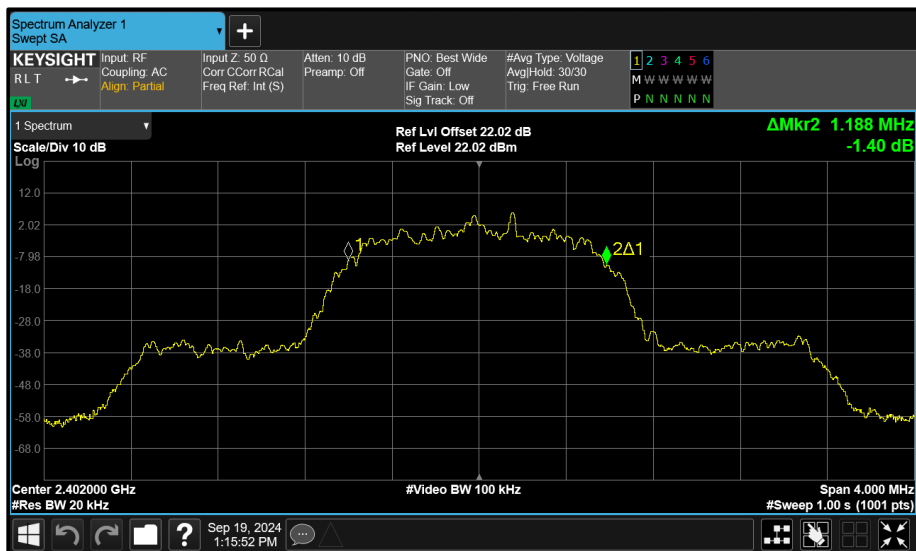


Figure 101 - Core 2 (C) 2402 MHz (CH0) 99% Bandwidth

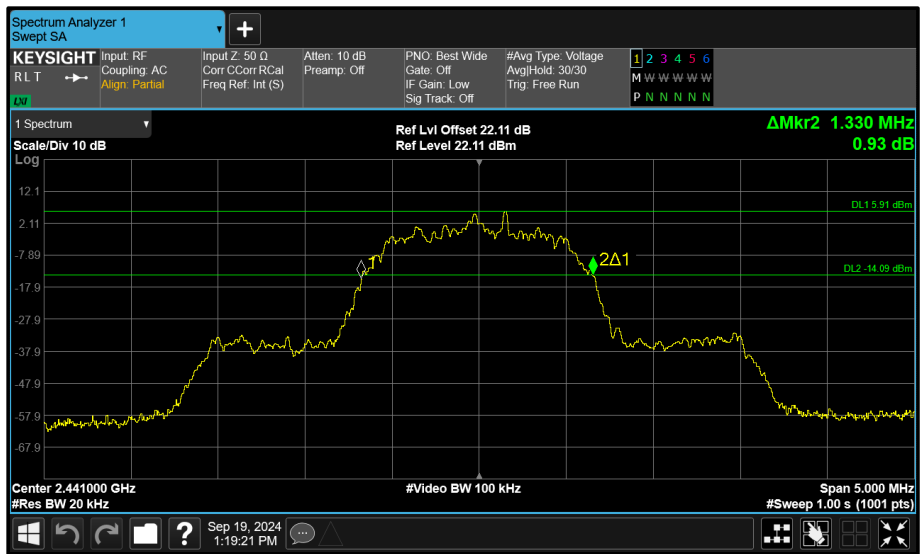


Figure 102 - Core 2 (C) 2441 MHz (CH39) 20 dB Bandwidth

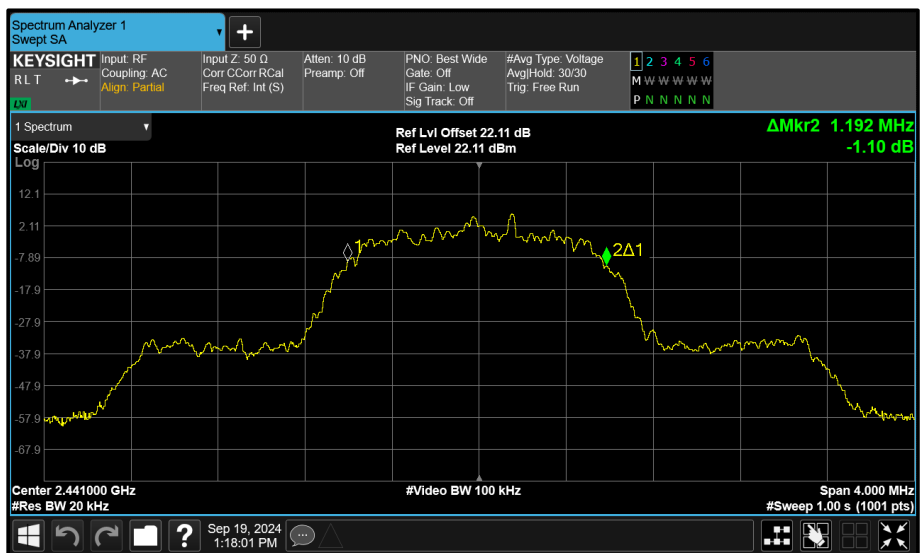


Figure 103 - Core 2 (C) 2441 MHz (CH39) 99% Bandwidth

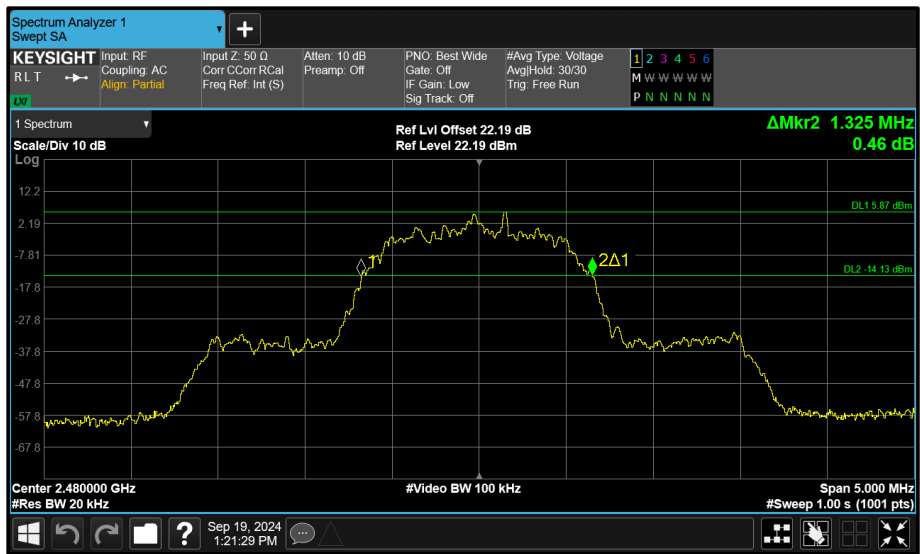


Figure 104 - Core 2 (C) 2480 MHz (CH78) 20 dB Bandwidth

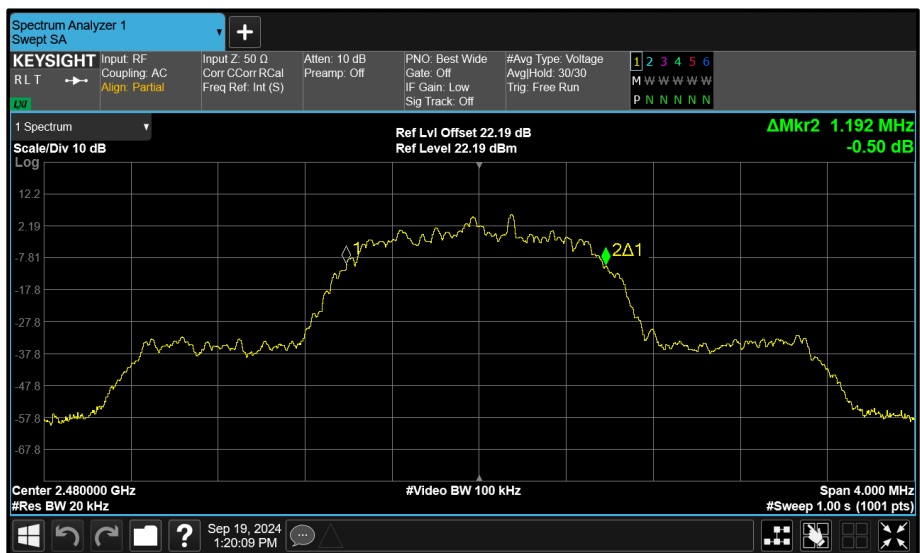


Figure 105 - Core 2 (C) 2480 MHz (CH78) 99% Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	-	-	1.260	-
2441	-	-	1.265	-
2480	-	-	1.260	-

**Table 68 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	-	1.196	-	-
2441	-	-	1.200	-	-
2480	-	-	1.200	-	-

**Table 69 - 99% Bandwidth Results**

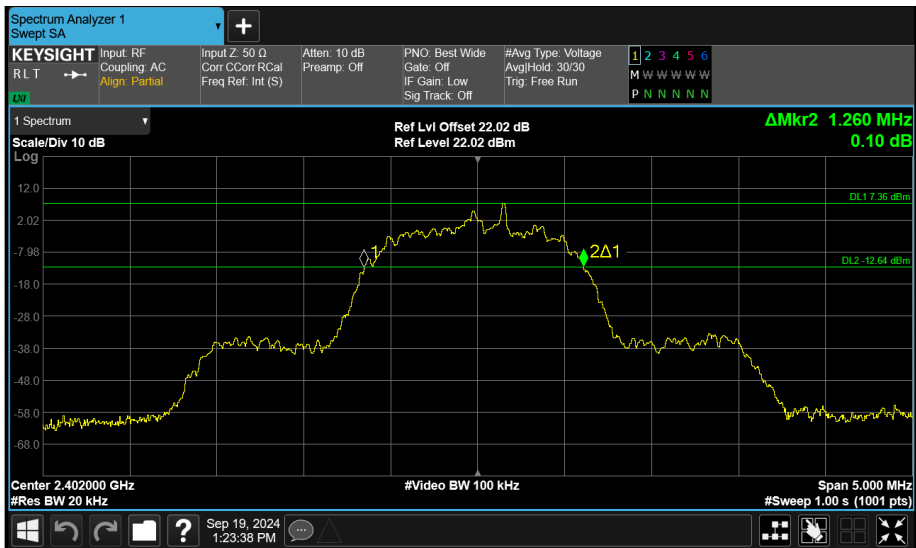


Figure 106 - Core 2 (C) 2402 MHz (CH0) 20 dB Bandwidth

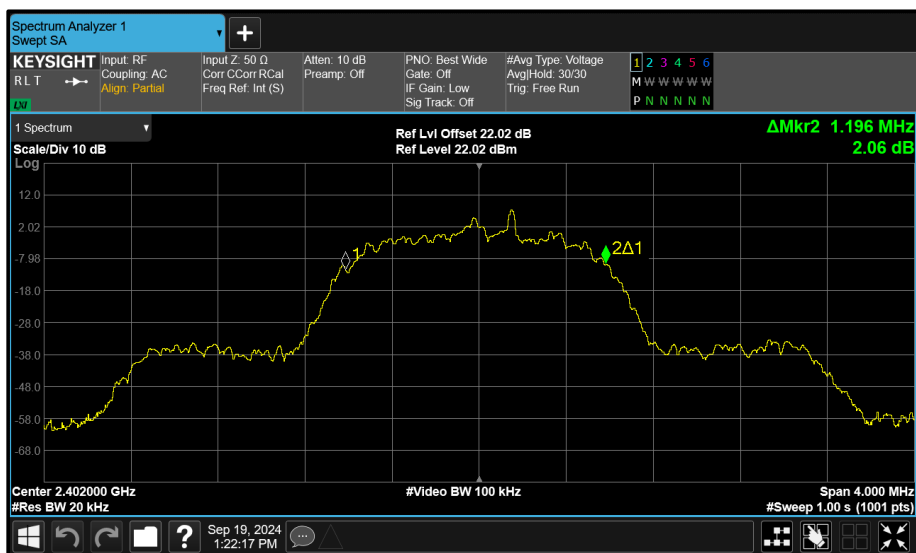


Figure 107 - Core 2 (C) 2402 MHz (CH0) 99% Bandwidth

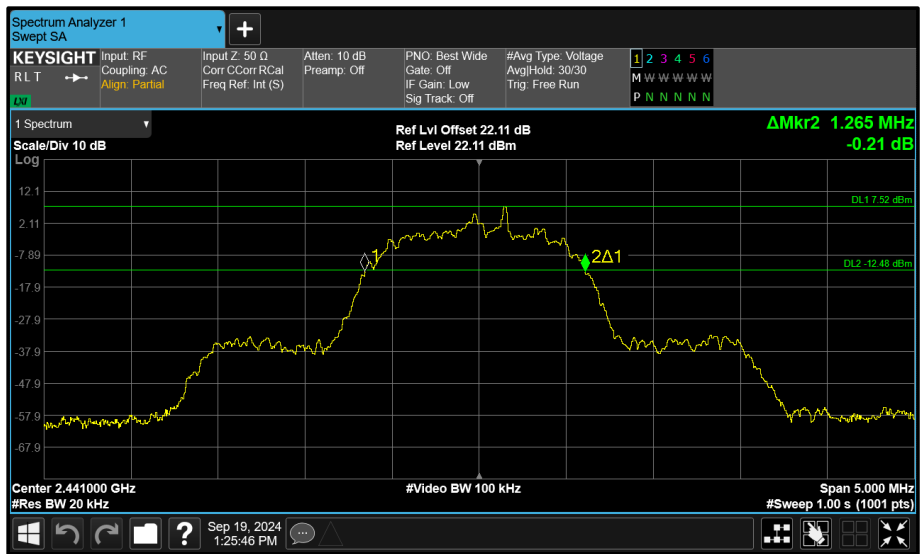


Figure 108 - Core 2 (C) 2441 MHz (CH39) 20 dB Bandwidth

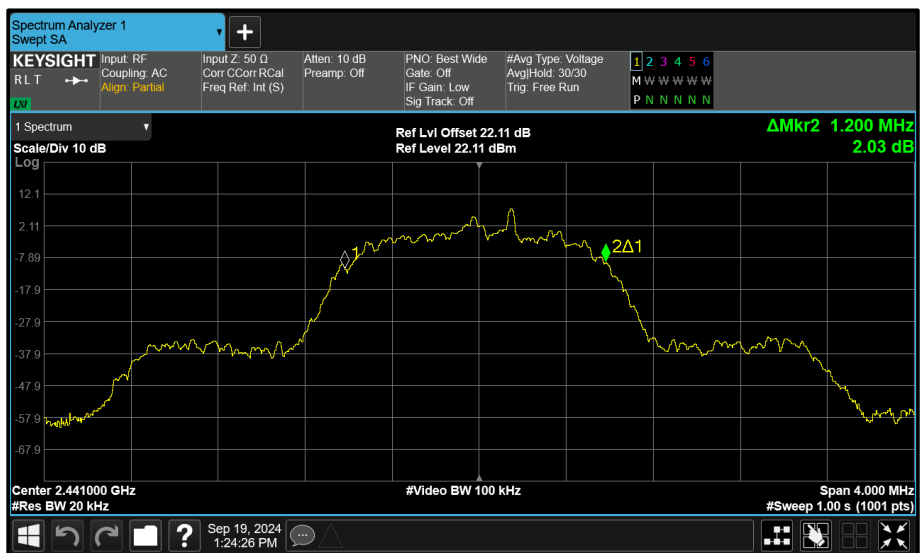


Figure 109 - Core 2 (C) 2441 MHz (CH39) 99% Bandwidth

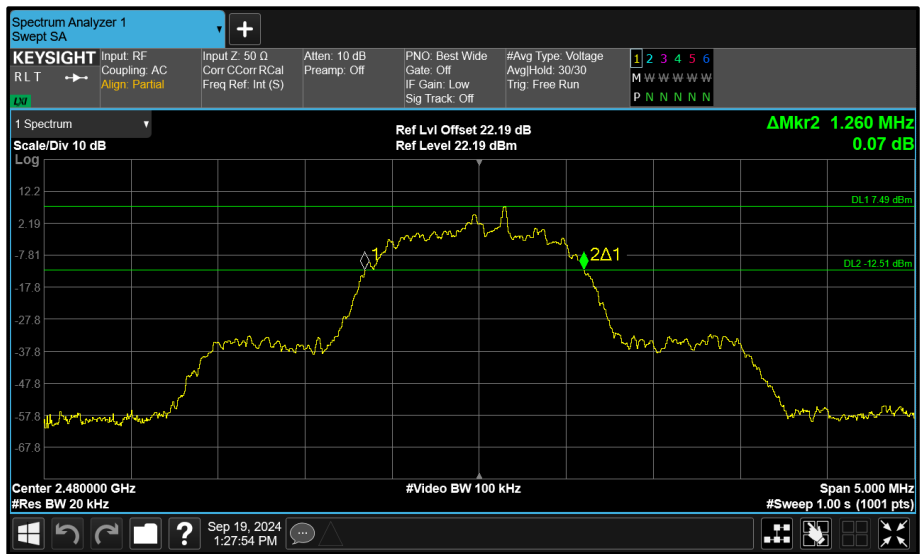


Figure 110 - Core 2 (C) 2480 MHz (CH78) 20 dB Bandwidth

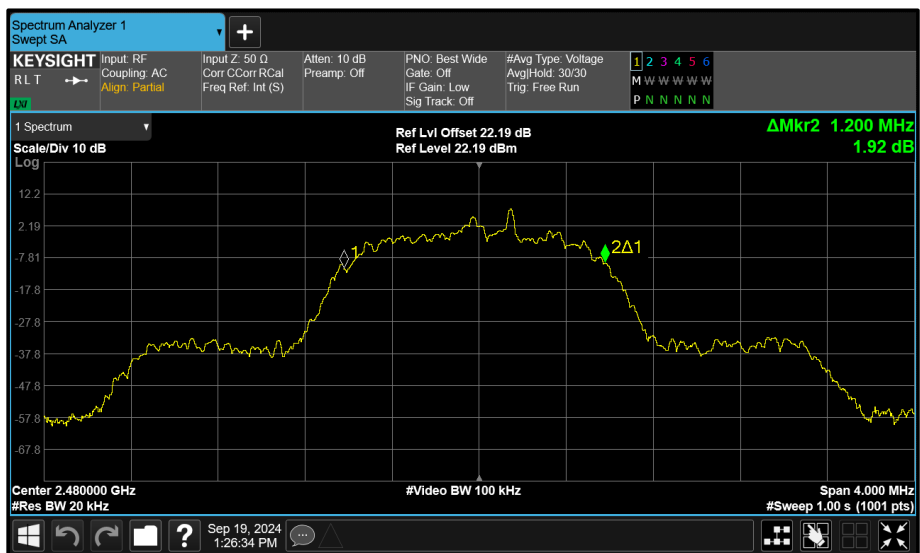


Figure 111 - Core 2 (C) 2480 MHz (CH78) 99% Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247 (a)(1) RSS-247 5.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	-	1.330	-	-
2441	-	1.330	-	-
2480	-	1.325	-	-

**Table 70 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	1.184	-	-	-
2441	-	1.184	-	-	-
2480	-	1.184	-	-	-

**Table 71 - 99% Bandwidth Results**





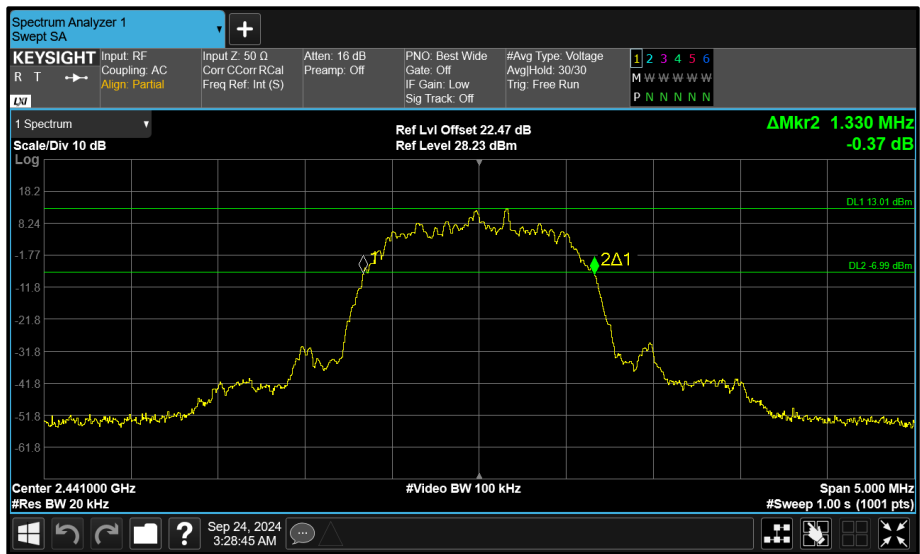


Figure 114 - Core 1 (B) 2441 MHz (CH39) 20 dB Bandwidth

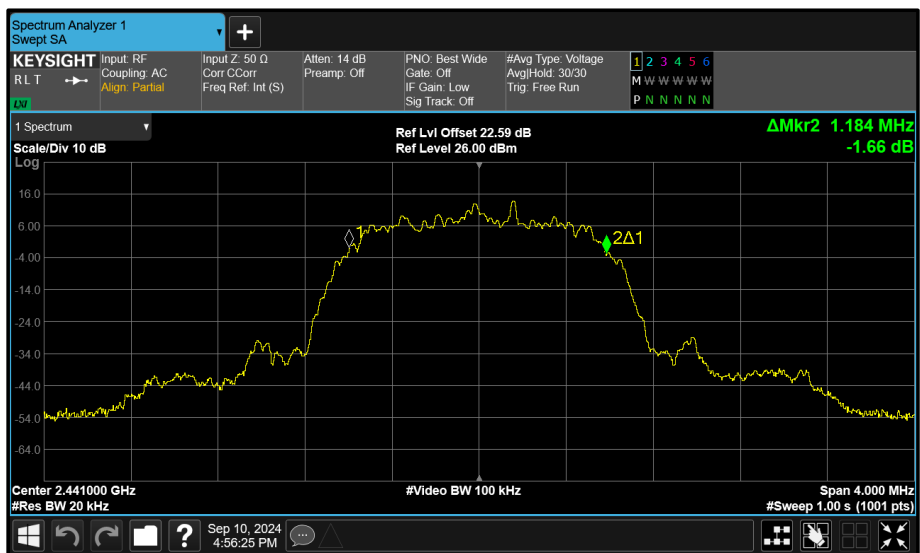


Figure 115 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

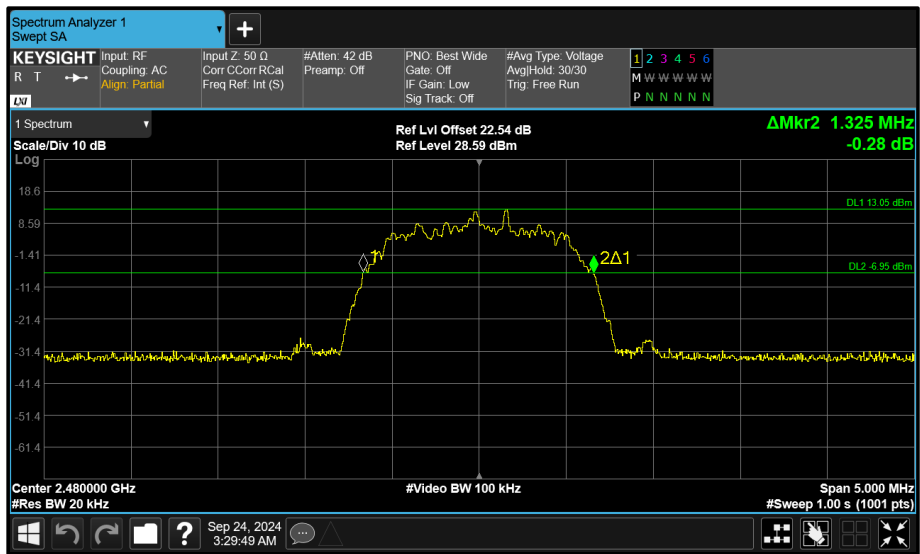


Figure 116 - Core 1 (B) 2480 MHz (CH78) 20 dB Bandwidth

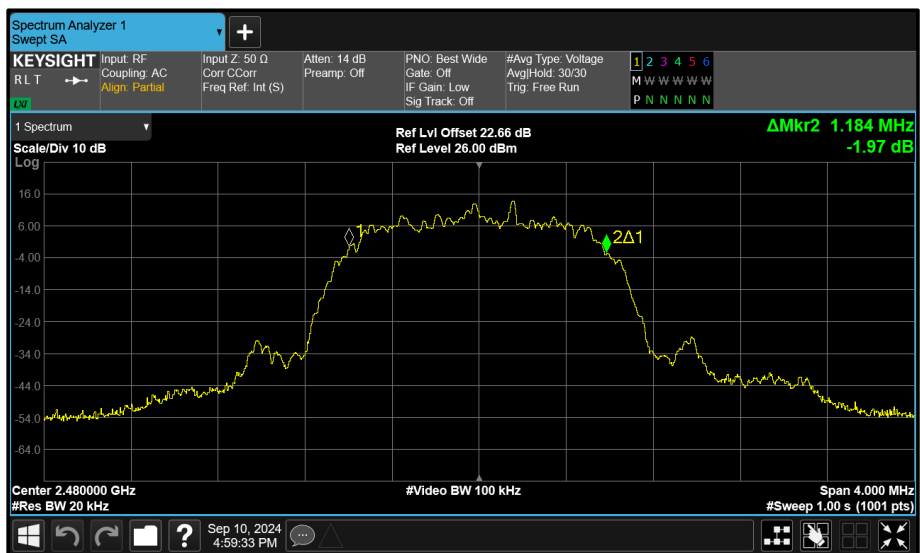


Figure 117 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247 (a)(1) RSS-247 5.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	-	1.260	-	-
2441	-	1.265	-	-
2480	-	1.260	-	-

**Table 72 - 20 dB Bandwidth Results**

RTest Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	1.184	-	-	-
2441	-	1.188	-	-	-
2480	-	1.188	-	-	-

**Table 73 - 99% Bandwidth Results**

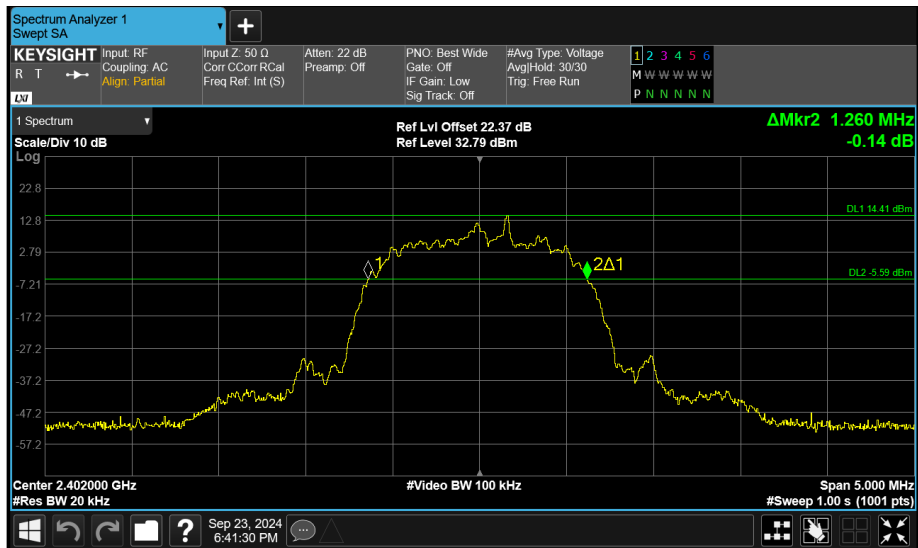


Figure 118 - Core 1 (B) 2402 MHz (CH0) 20 dB Bandwidth

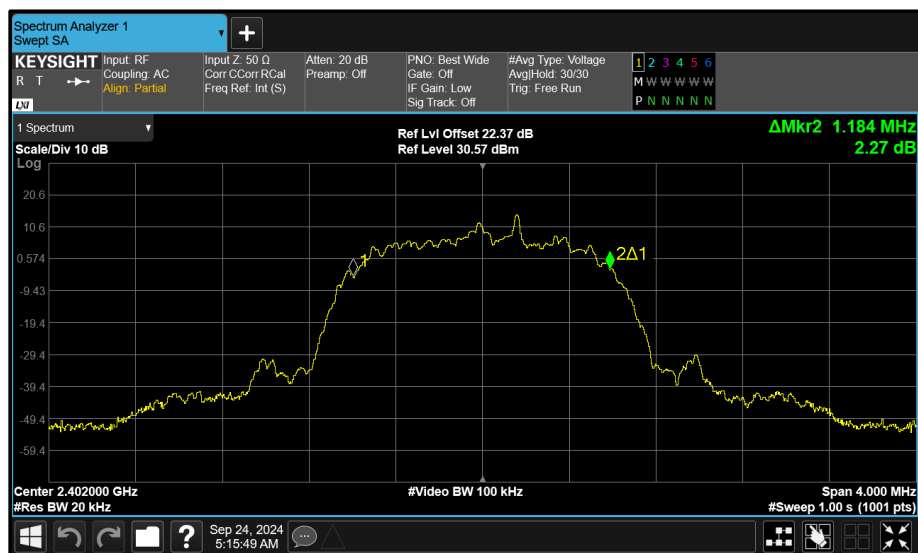


Figure 119 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth



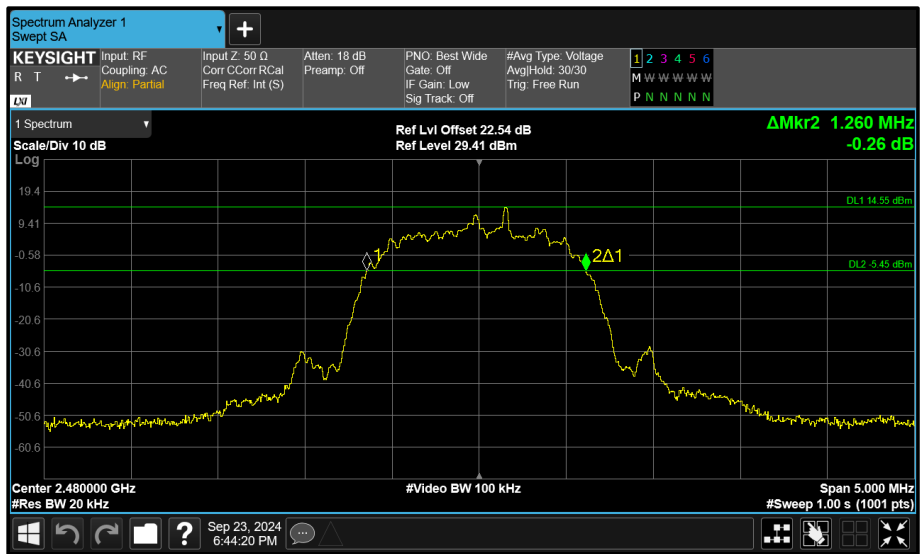


Figure 122 - Core 1 (B) 2480 MHz (CH78) 20 dB Bandwidth

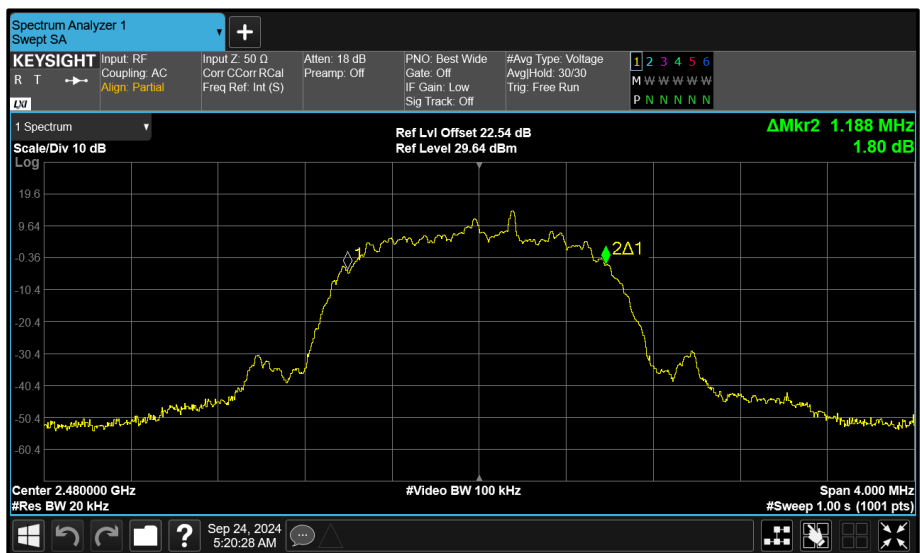


Figure 123 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	FCC 15.247 (a)(1) RSS-247 5.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
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)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	0.855	0.855	-	-
2441	0.855	0.855	-	-
2480	0.855	0.858	-	-

**Table 74 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	0.855	0.855	-	-	-
2441	0.855	0.858	-	-	-
2480	0.858	0.855	-	-	-

**Table 75 - 99% Bandwidth Results**



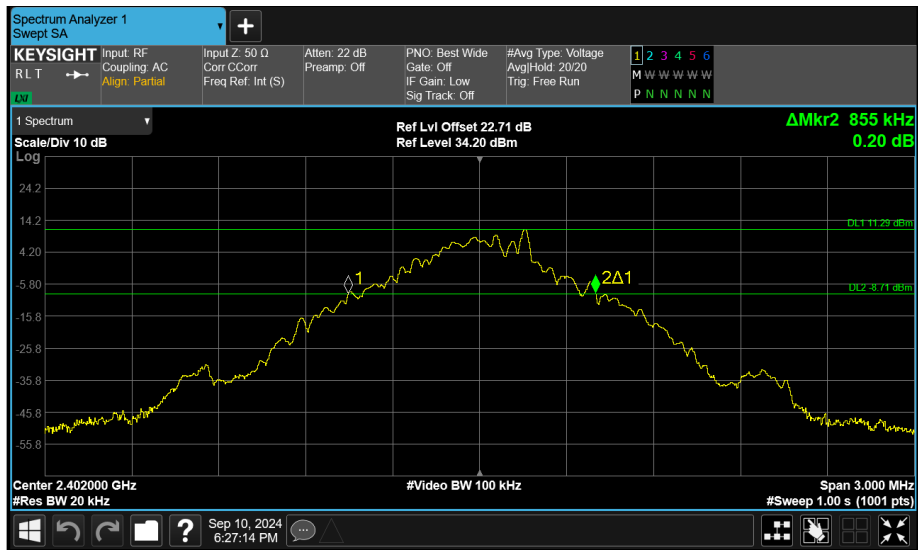


Figure 124 - Core 0 (A) 2402 MHz (CH0) 20 dB Bandwidth

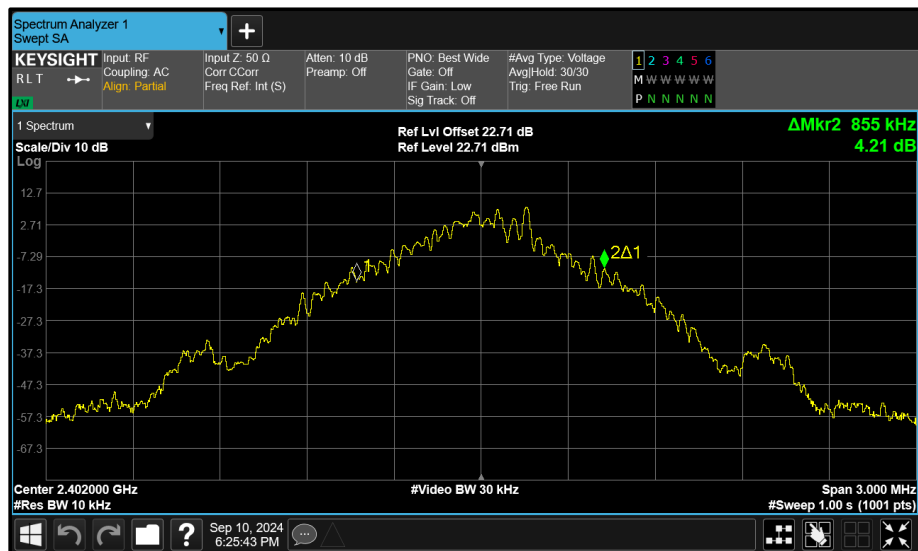


Figure 125 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth

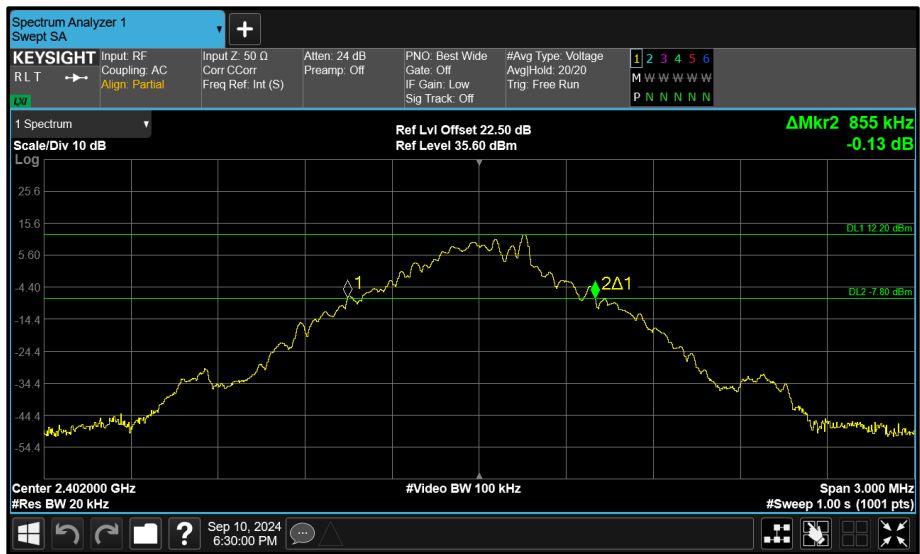


Figure 126 - Core 1 (B) 2402 MHz (CH0) 20 dB Bandwidth

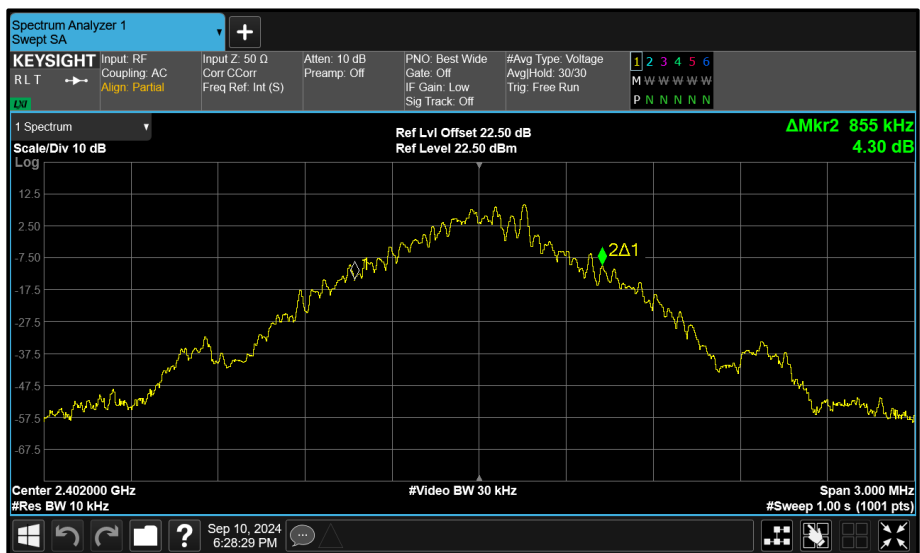


Figure 127 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth



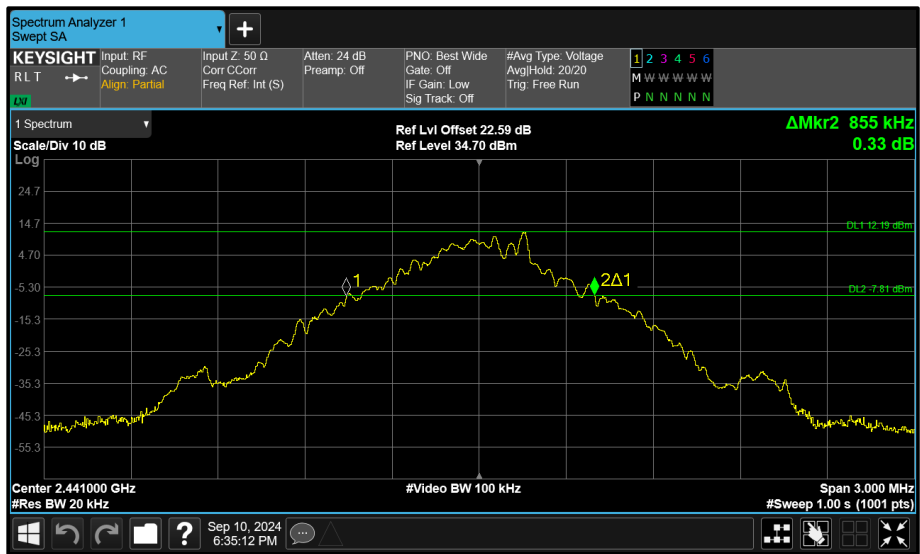


Figure 130 - Core 1 (B) 2441 MHz (CH39) 20 dB Bandwidth

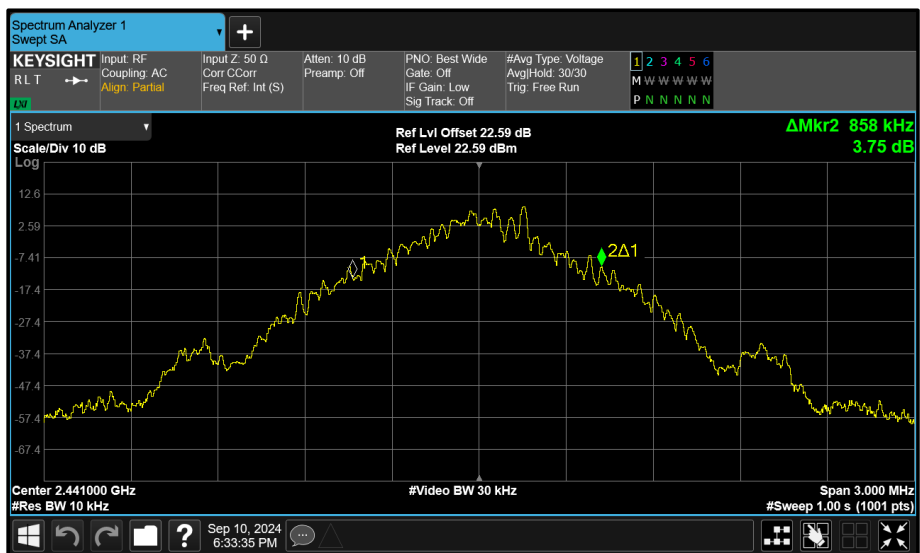


Figure 131 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

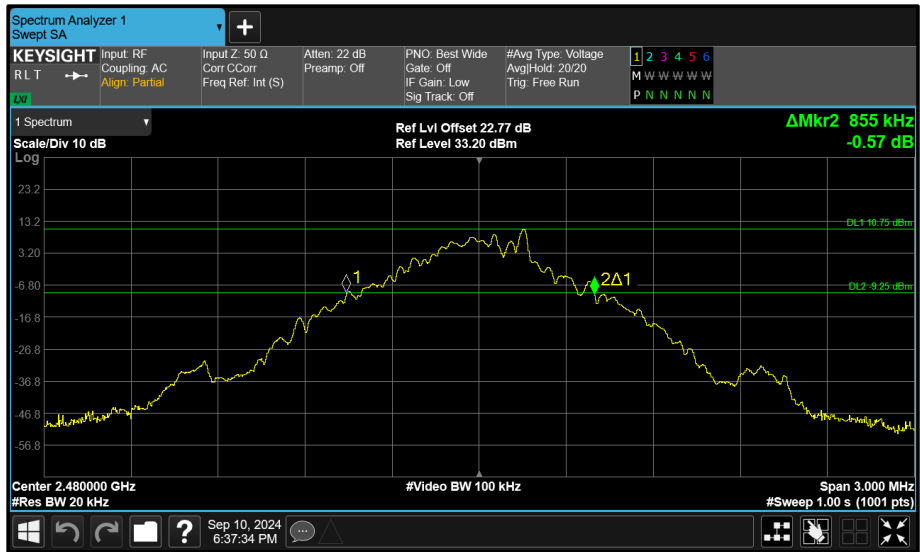


Figure 132 - Core 0 (A) 2480 MHz (CH78) 20 dB Bandwidth

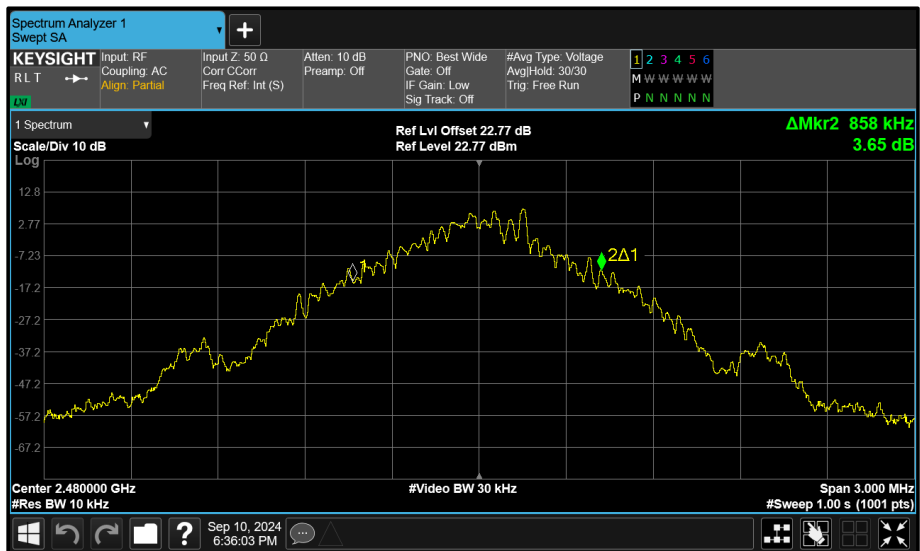


Figure 133 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

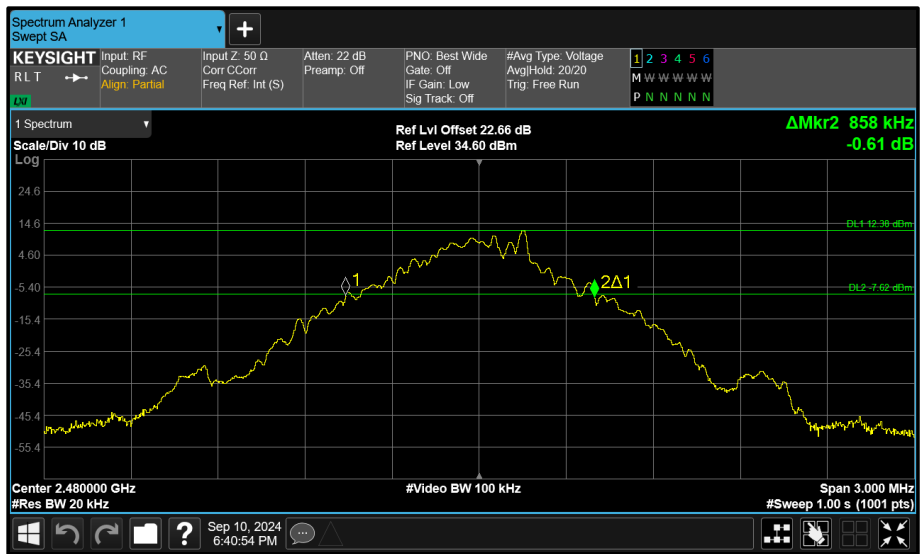


Figure 134 - Core 1 (B) 2480 MHz (CH78) 20 dB Bandwidth

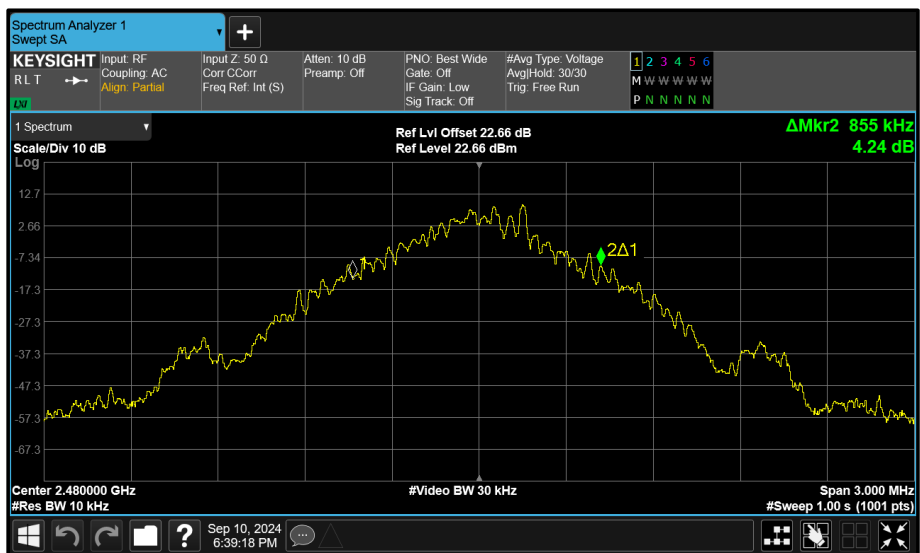


Figure 135 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0 + Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	20 dB Bandwidth (MHz)			
	A	B	C	D
2402	1.325	1.325	-	-
2441	1.330	1.330	-	-
2480	1.325	1.325	-	-

**Table 76 - 20 dB Bandwidth Results**

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.188	1.192	-	-	-
2441	1.188	1.192	-	-	-
2480	1.188	1.184	-	-	-

**Table 77 - 99% Bandwidth Results**

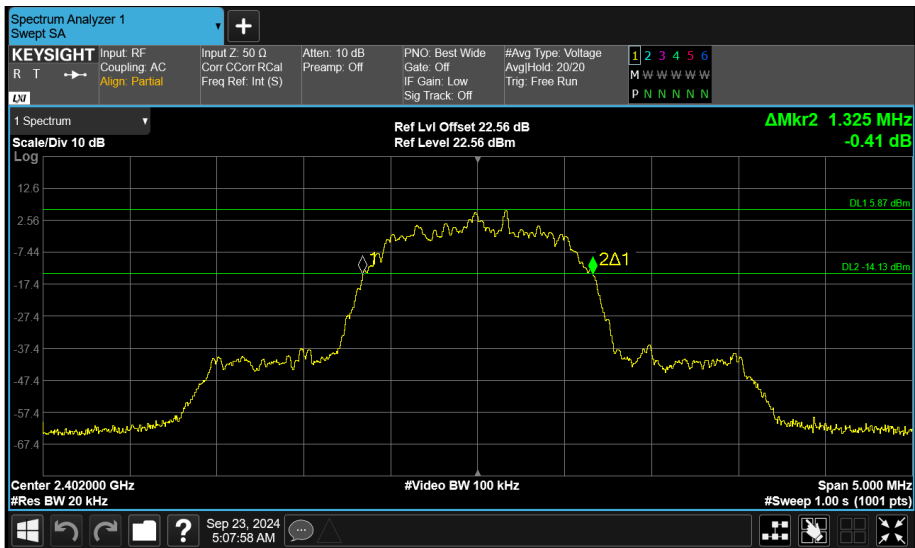


Figure 136 - Core 0 (A) 2402 MHz (CH0) 20 dB Bandwidth

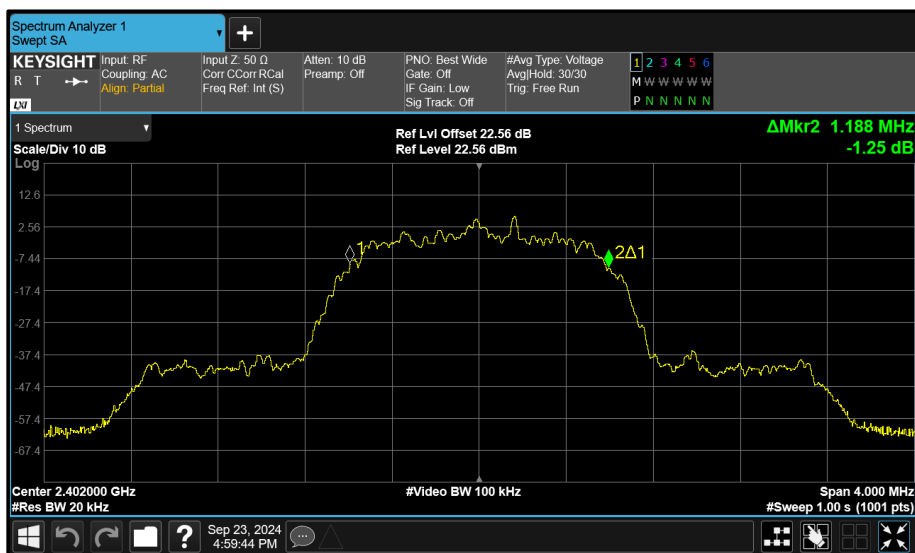


Figure 137 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth



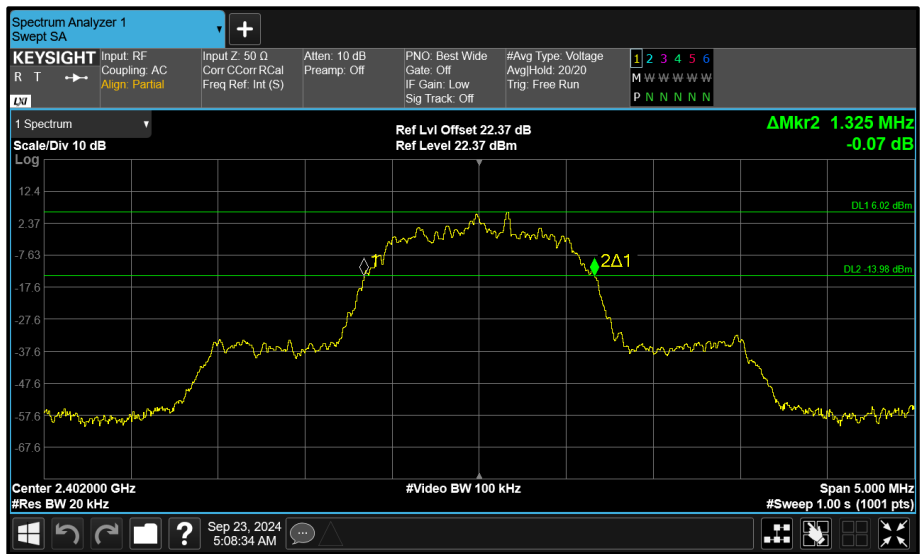


Figure 138 - Core 1 (B) 2402 MHz (CH0) 20 dB Bandwidth

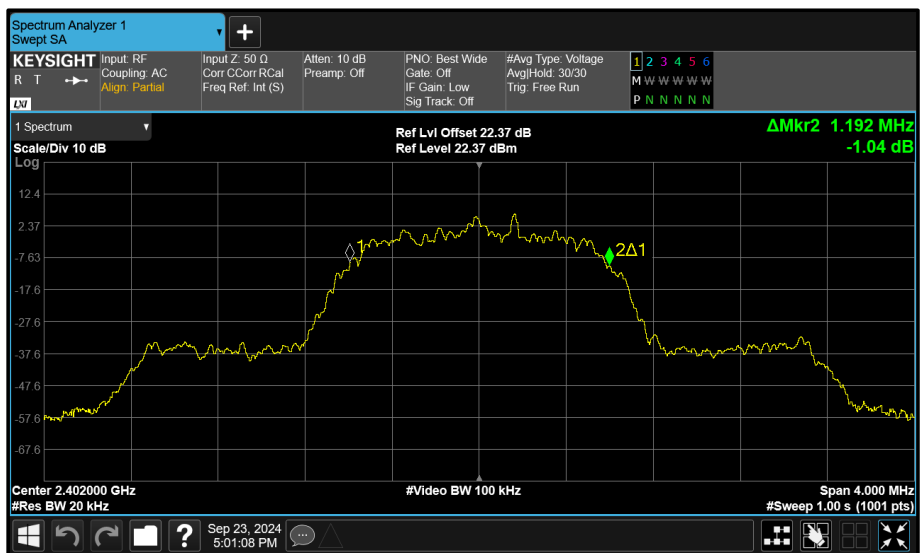


Figure 139 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth

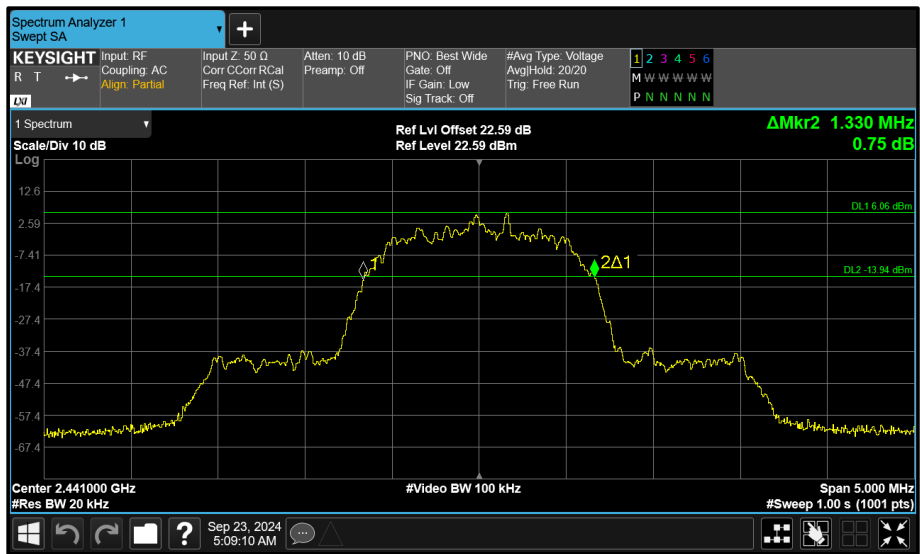


Figure 140 - Core 0 (A) 2441 MHz (CH39) 20 dB Bandwidth

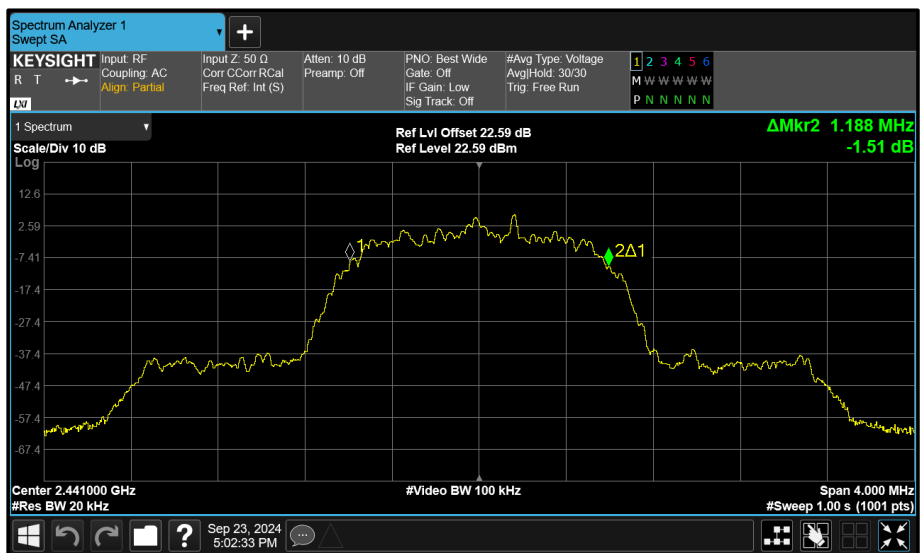


Figure 141 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

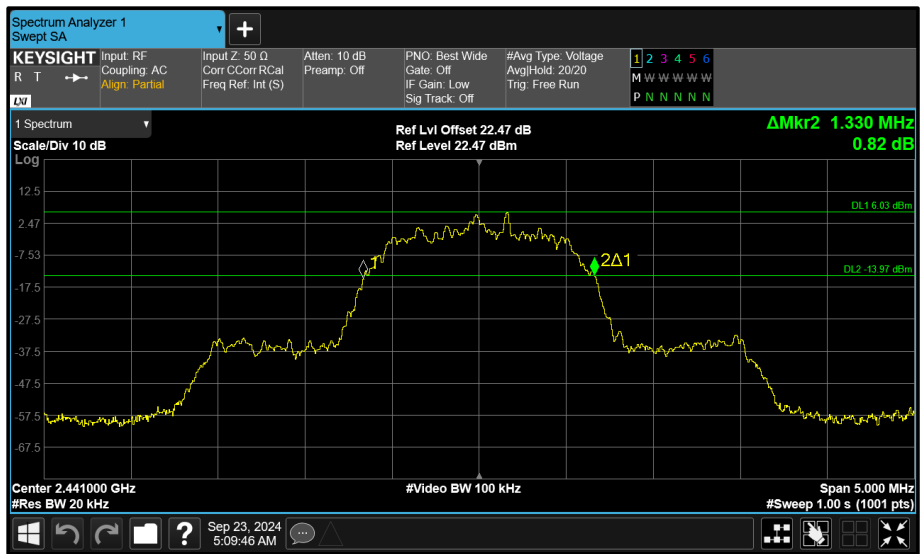


Figure 142 - Core 1 (B) 2441 MHz (CH39) 20 dB Bandwidth

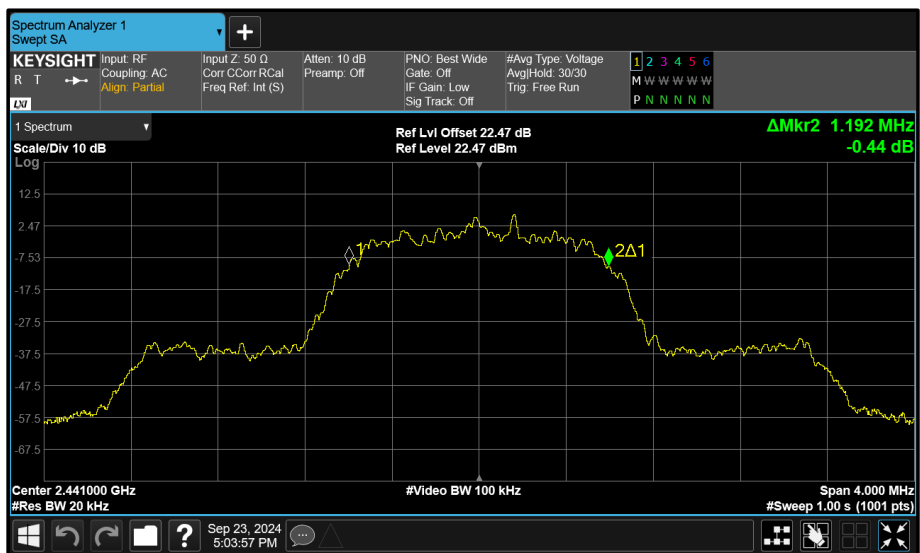


Figure 143 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth