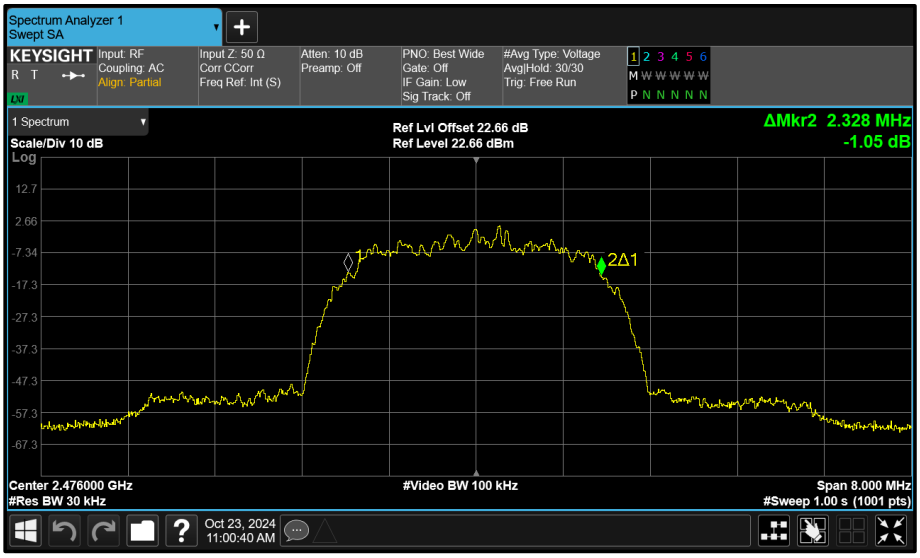

Figure 153 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

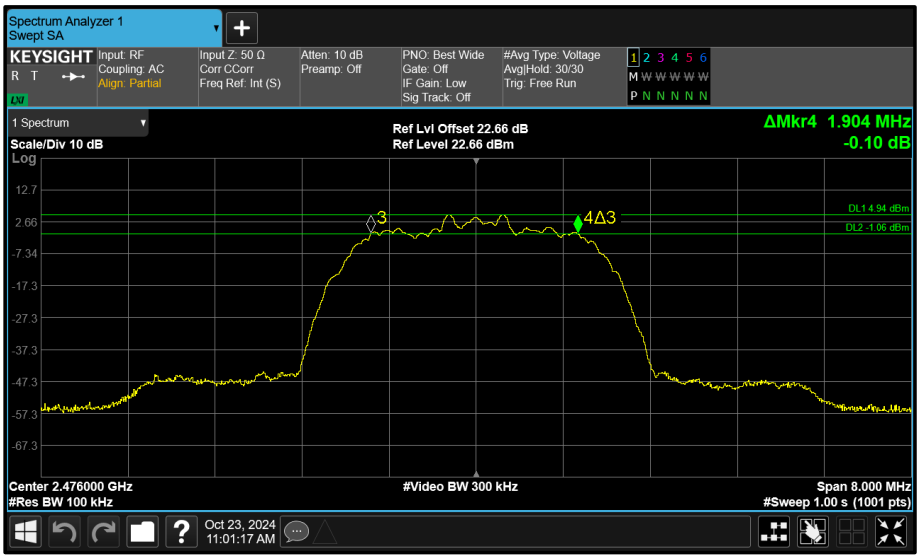

Figure 154 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 11.8.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA π/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	
2404	1.035	0.660	-	-	≥500.0
2441	1.035	0.960	-	-	≥500.0
2476	1.020	1.020	-	-	≥500.0

Table 43 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	4.695	4.620	-	-	-
2441	4.710	4.620	-	-	-
2476	4.710	4.635	-	-	-

Table 44 - 99% Bandwidth Results

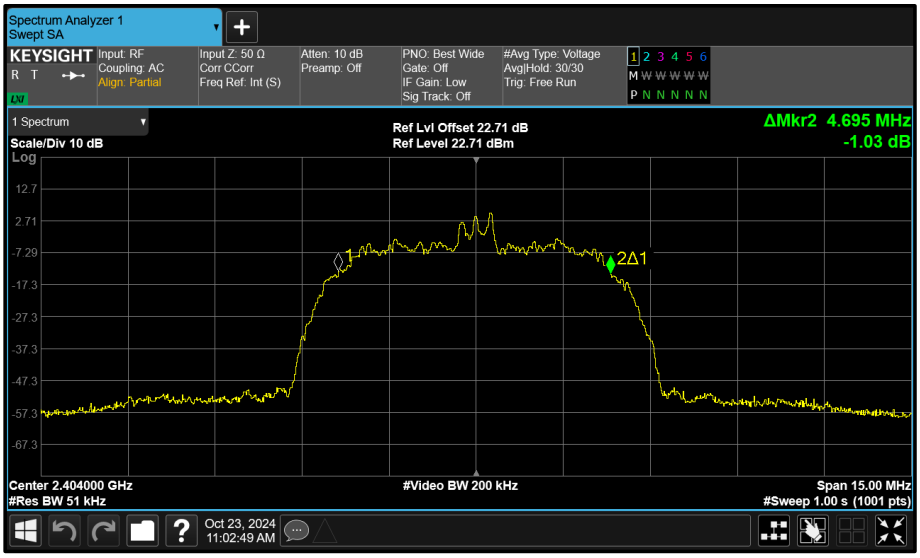

Figure 155 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

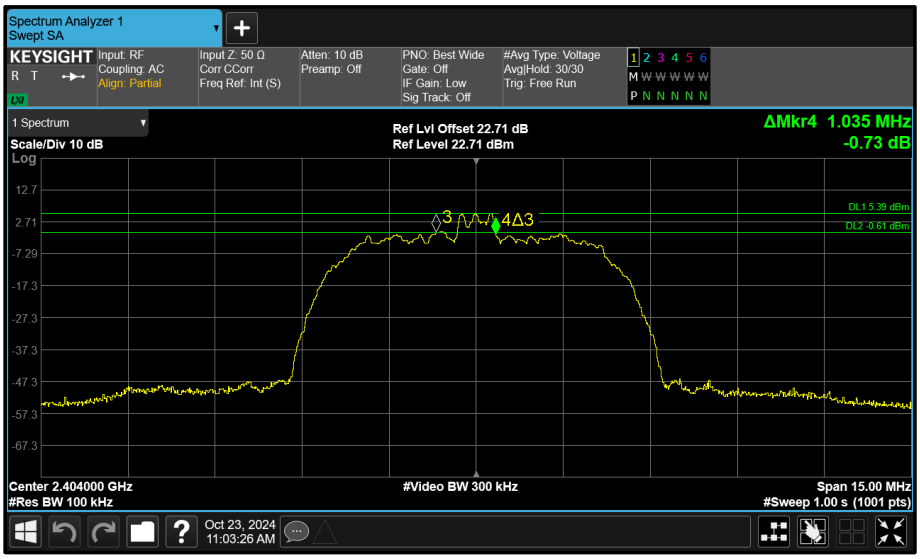

Figure 156 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

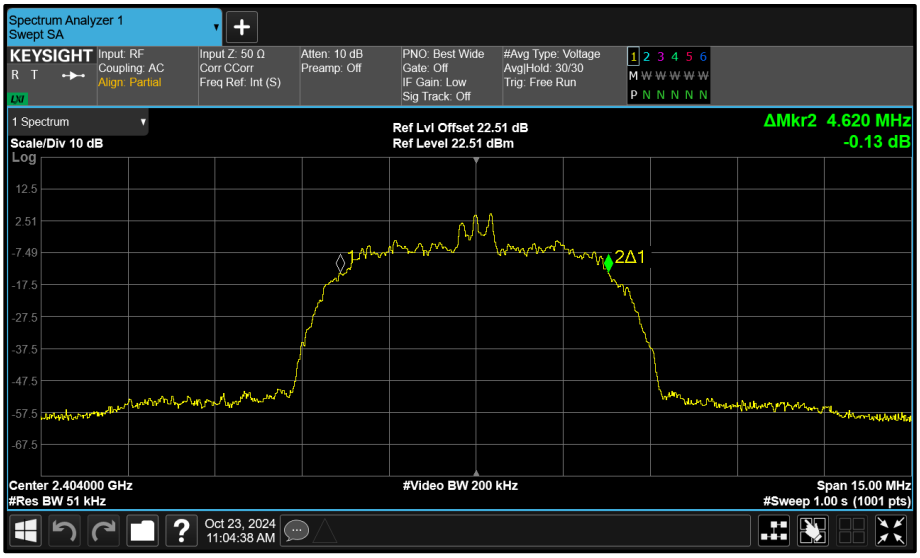

Figure 157 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

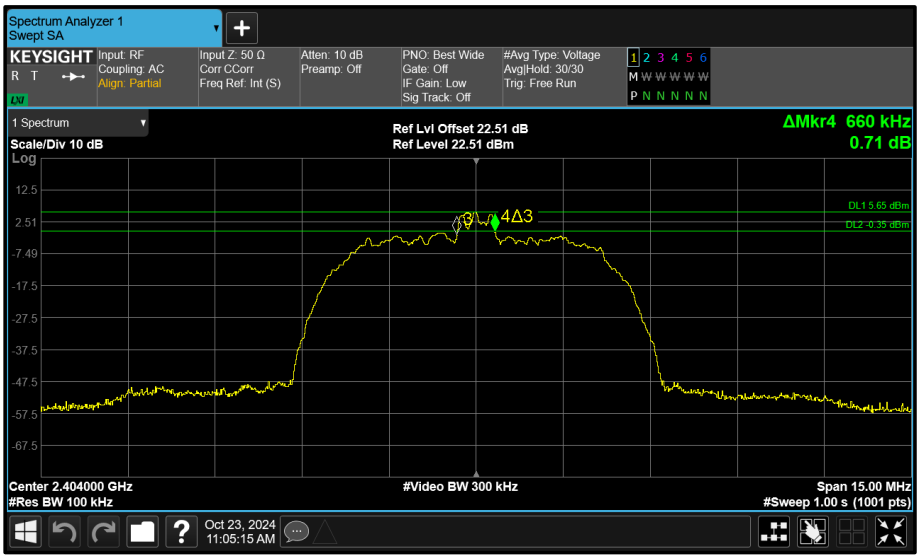

Figure 158 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

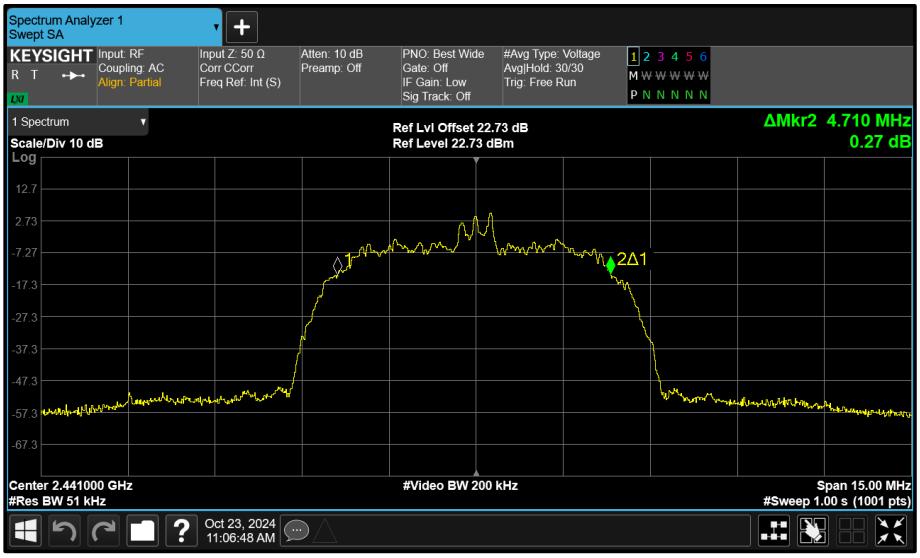

Figure 159 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

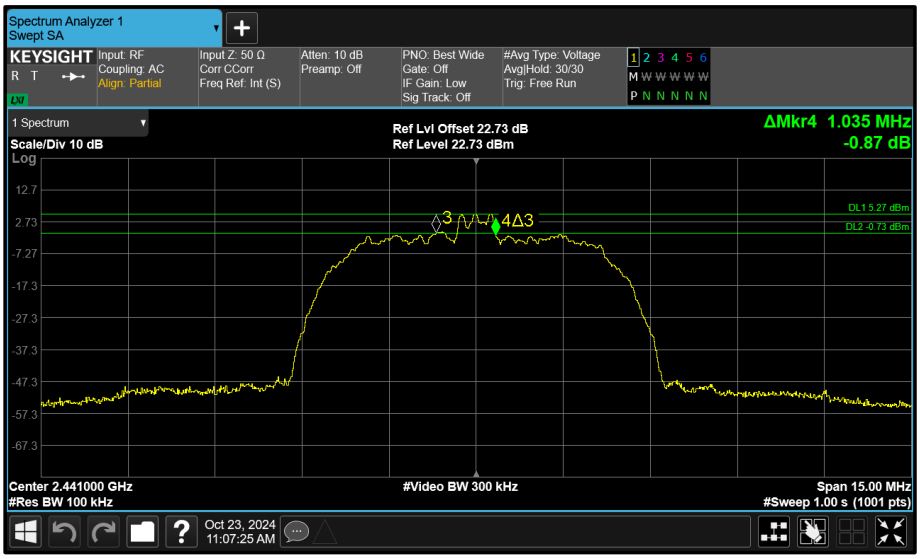

Figure 160 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

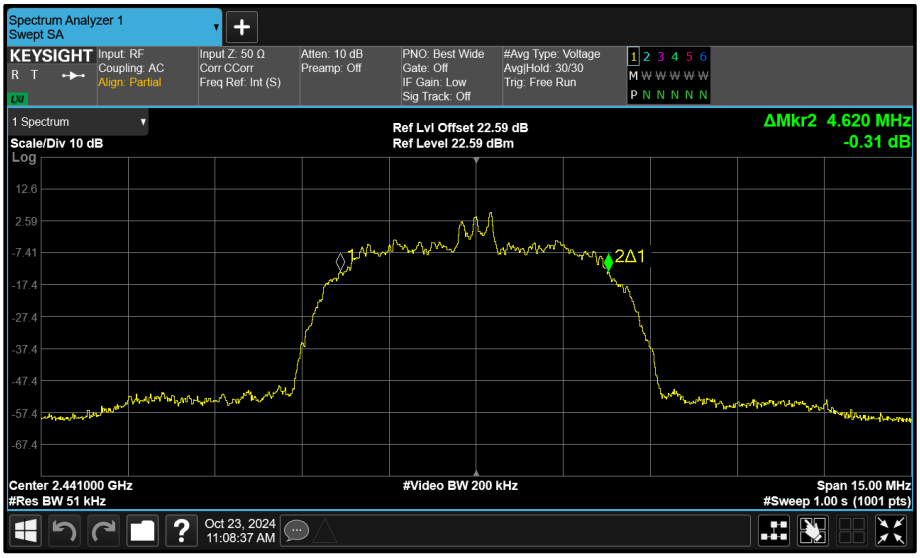

Figure 161 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

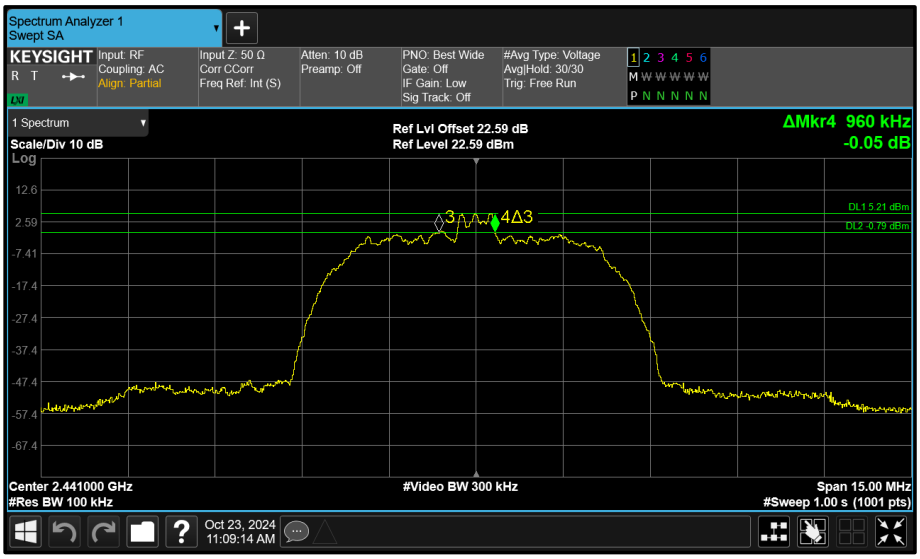

Figure 162 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

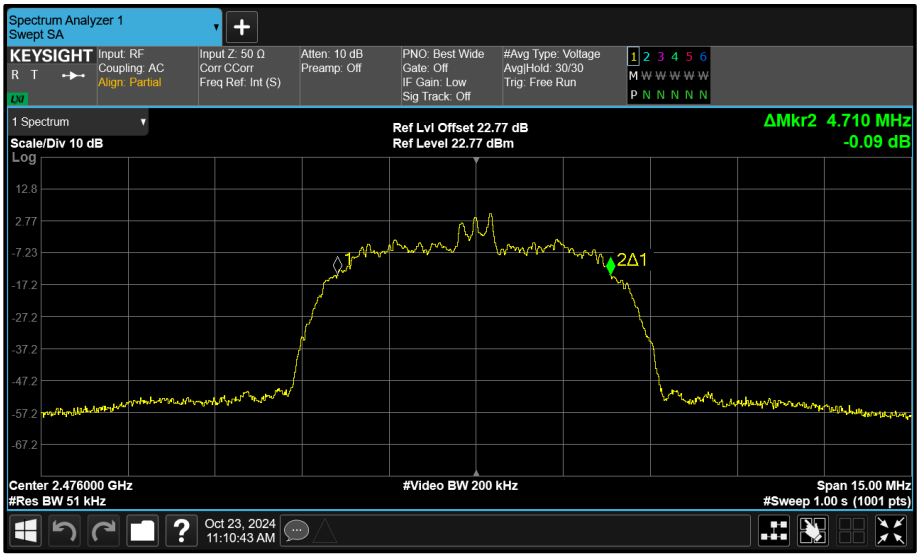

Figure 163 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

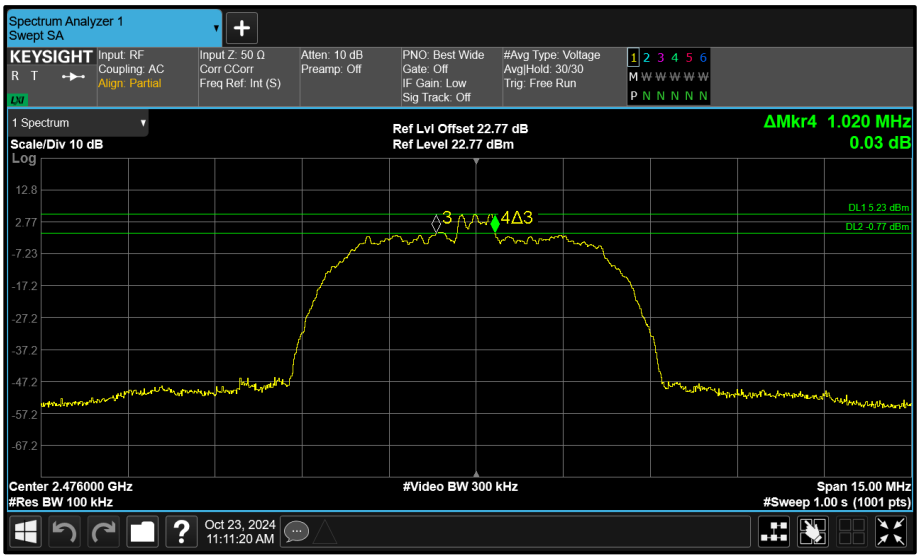

Figure 164 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

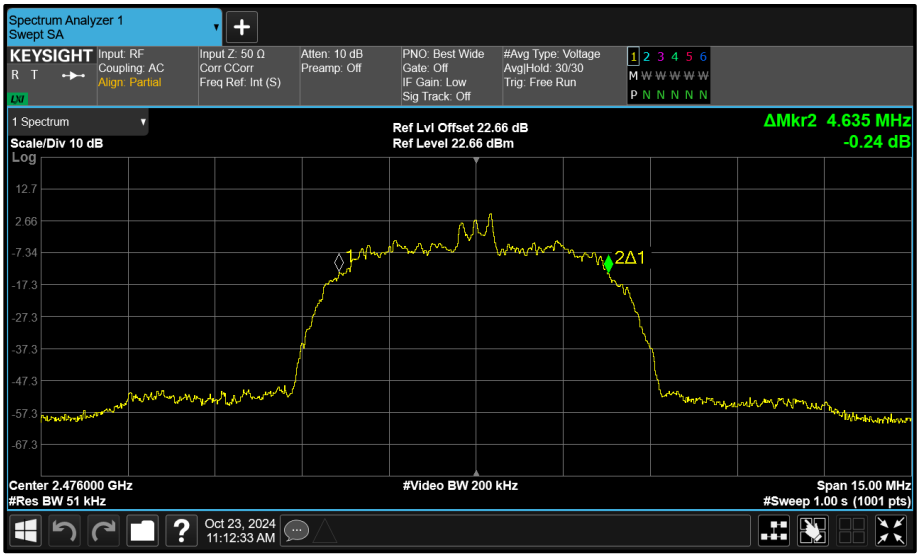

Figure 165 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

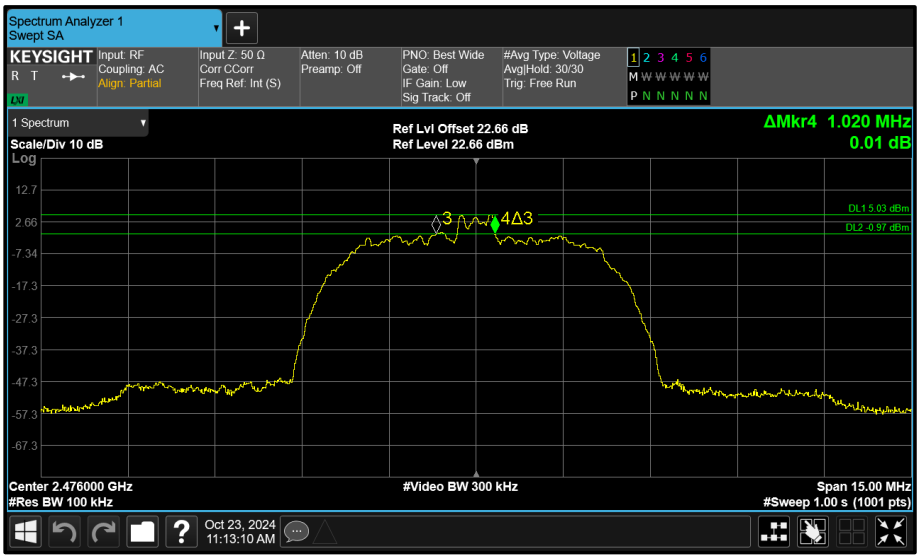

Figure 166 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 11.8.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	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	
2402	0.728	0.724	-	-	≥500.0
2440	0.724	0.724	-	-	≥500.0
2480	0.728	0.728	-	-	≥500.0

Table 45 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.036	1.036	-	-	-
2440	1.036	1.036	-	-	-
2480	1.036	1.032	-	-	-

Table 46 - 99% Bandwidth Results

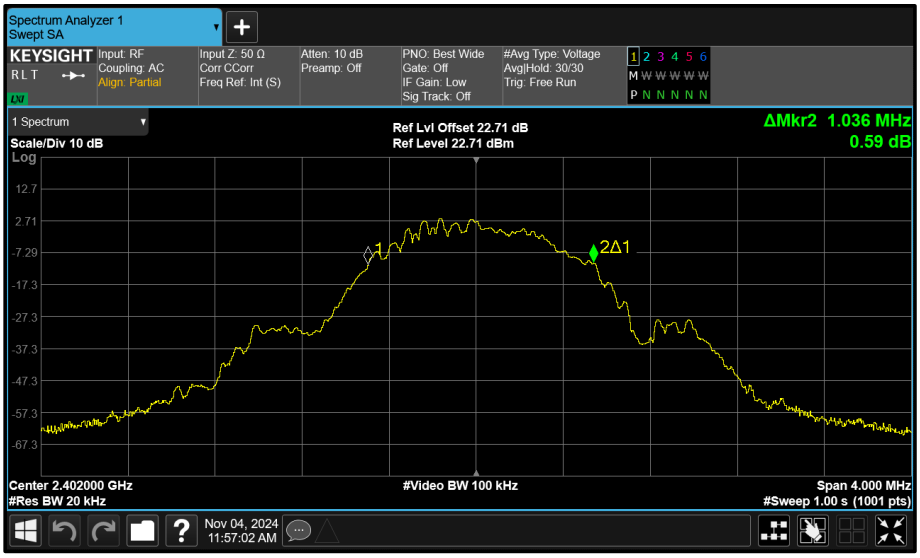

Figure 167 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

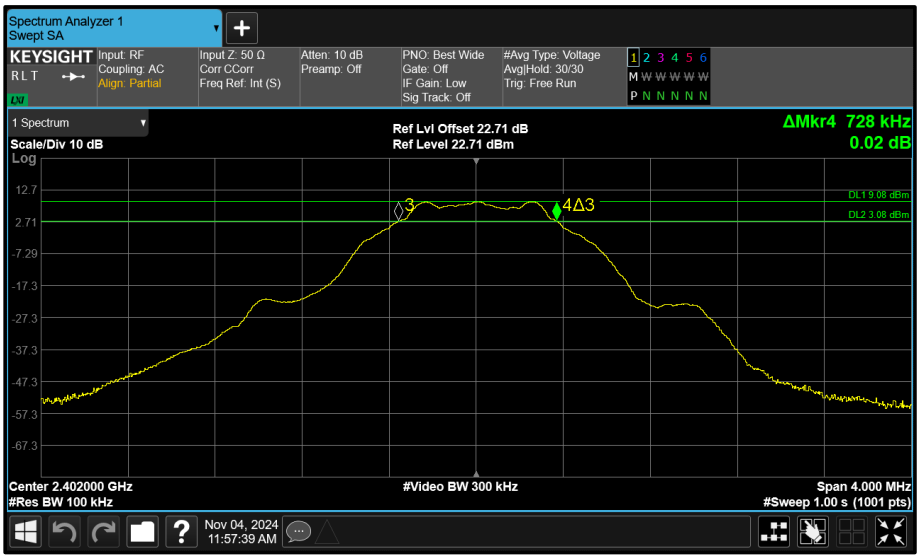

Figure 168 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

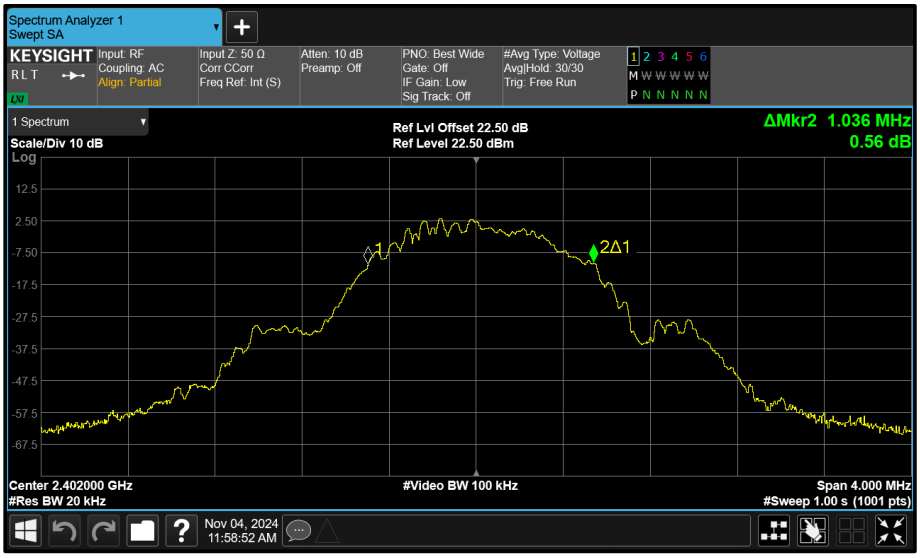

Figure 169 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

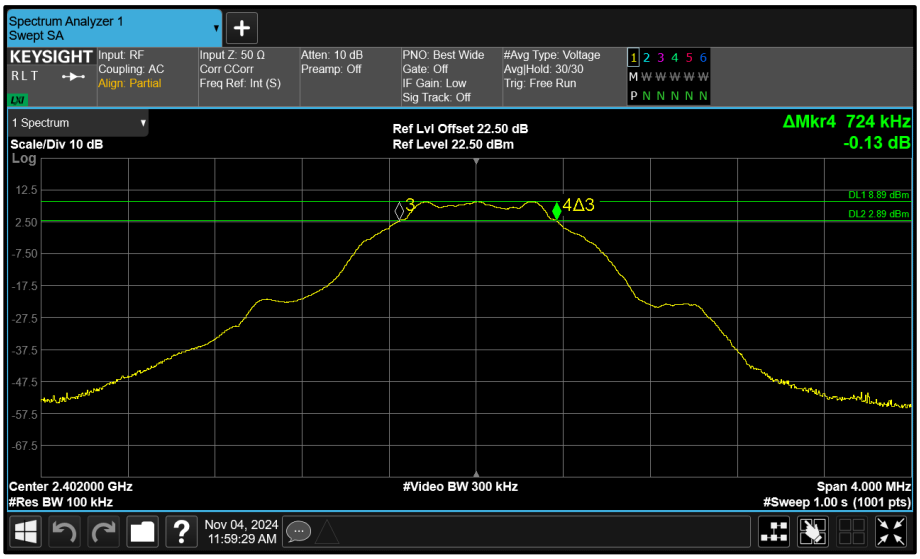

Figure 170 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

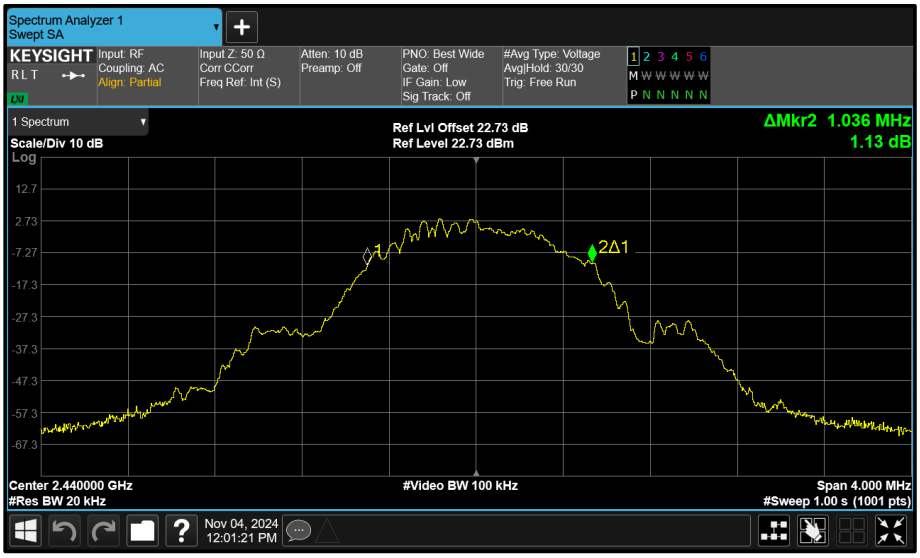

Figure 171 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

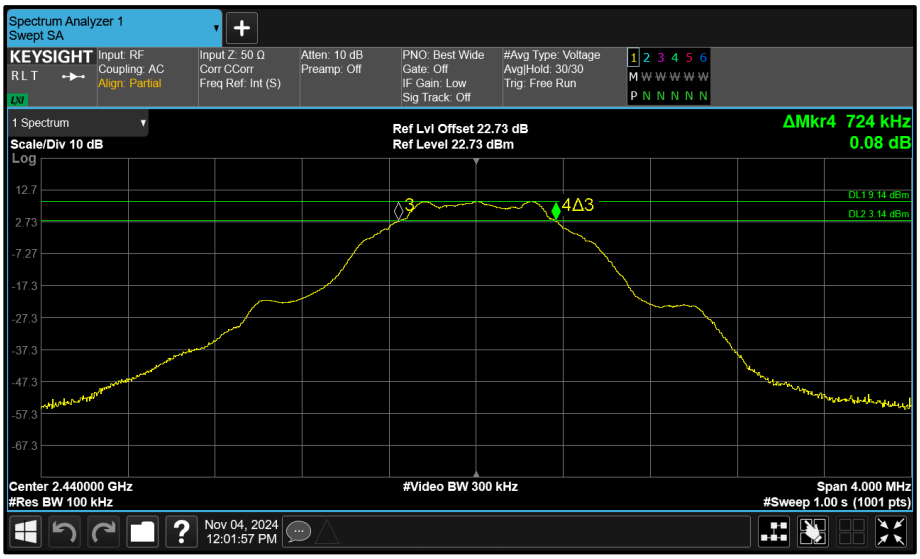

Figure 172 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

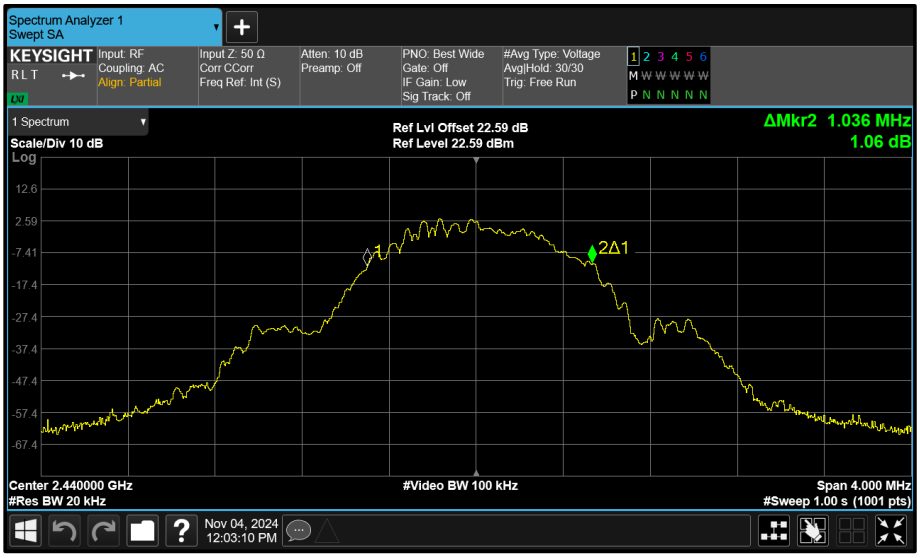

Figure 173 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

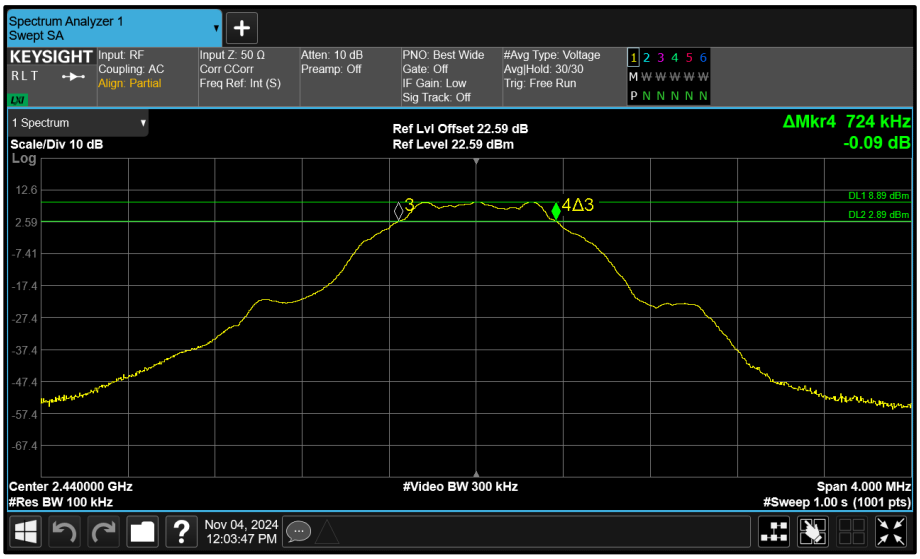

Figure 174 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

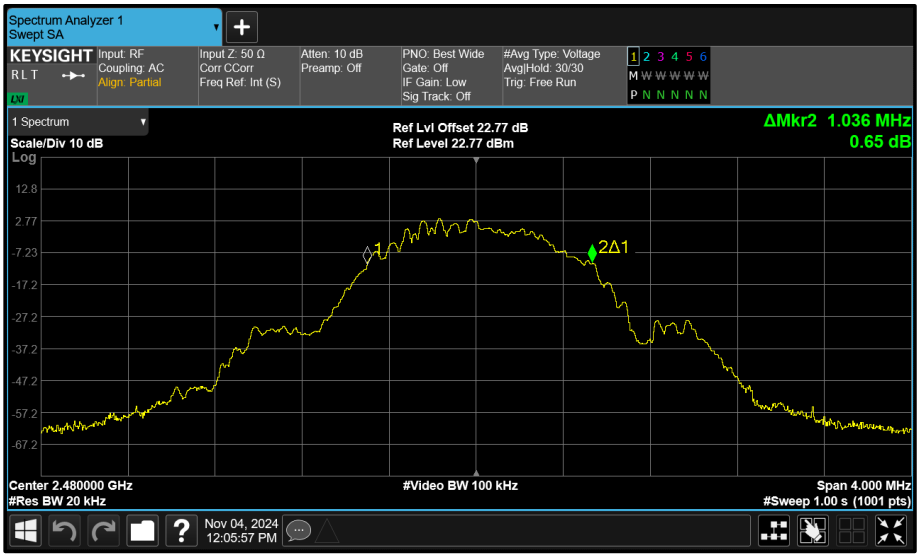

Figure 175 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

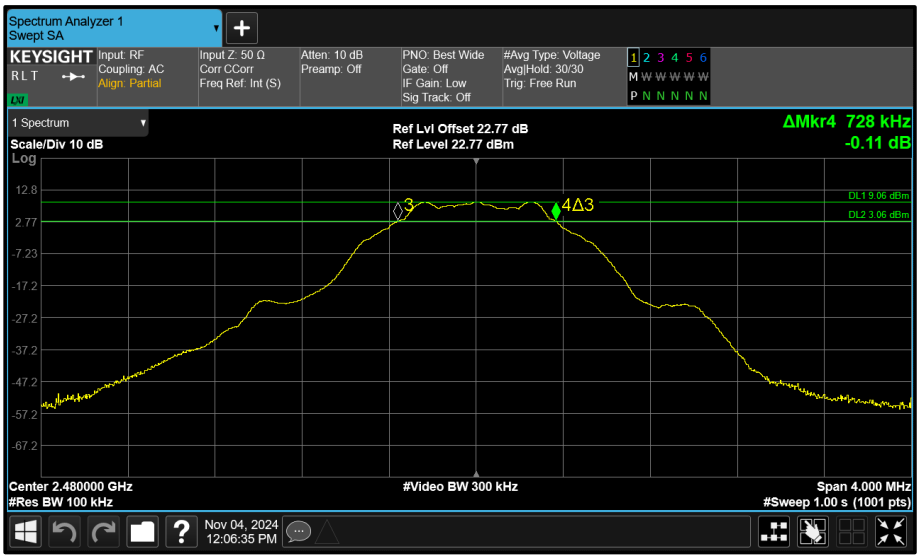

Figure 176 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

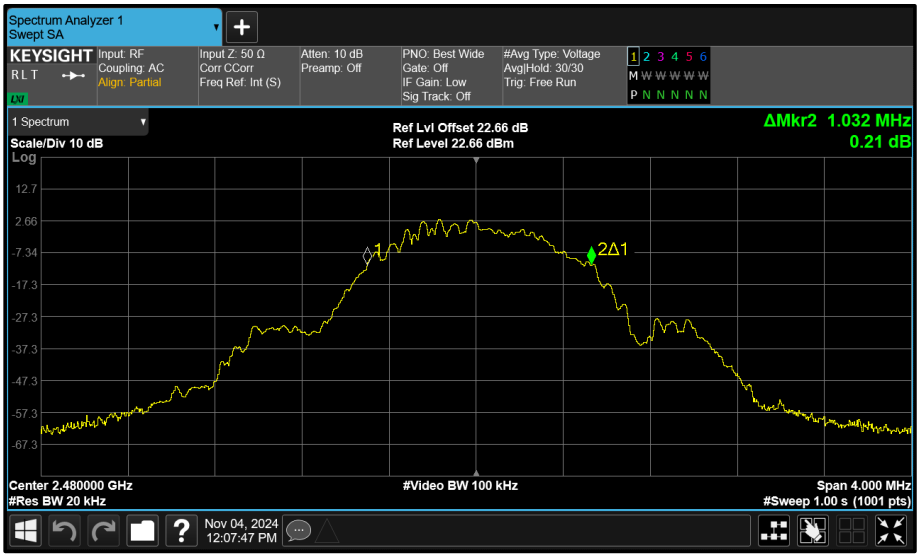

Figure 177 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

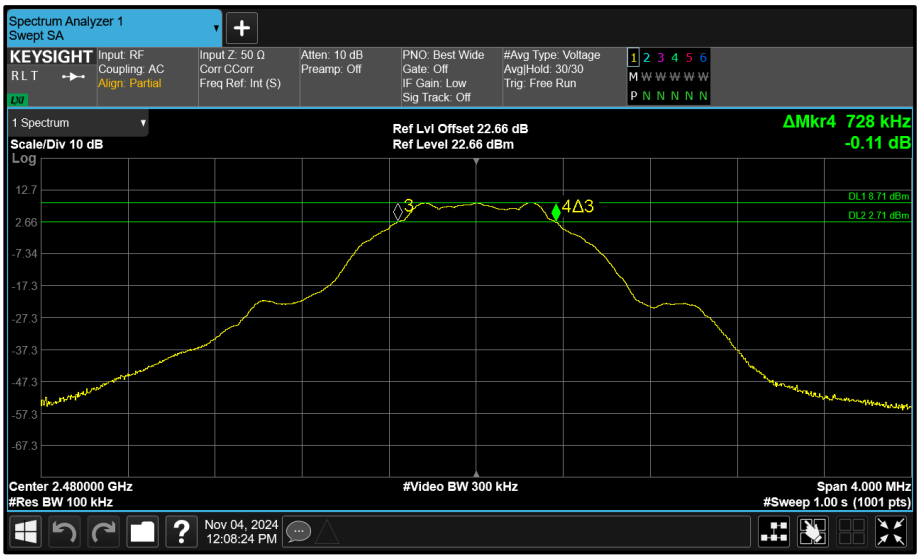

Figure 178 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

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 11.8.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 2M)	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	
2402	1.264	1.256	-	-	≥500.0
2440	1.256	1.256	-	-	≥500.0
2480	1.264	1.264	-	-	≥500.0

Table 47 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	2.088	2.088	-	-	-
2440	2.088	2.080	-	-	-
2480	2.080	2.080	-	-	-

Table 48 - 99% Bandwidth Results

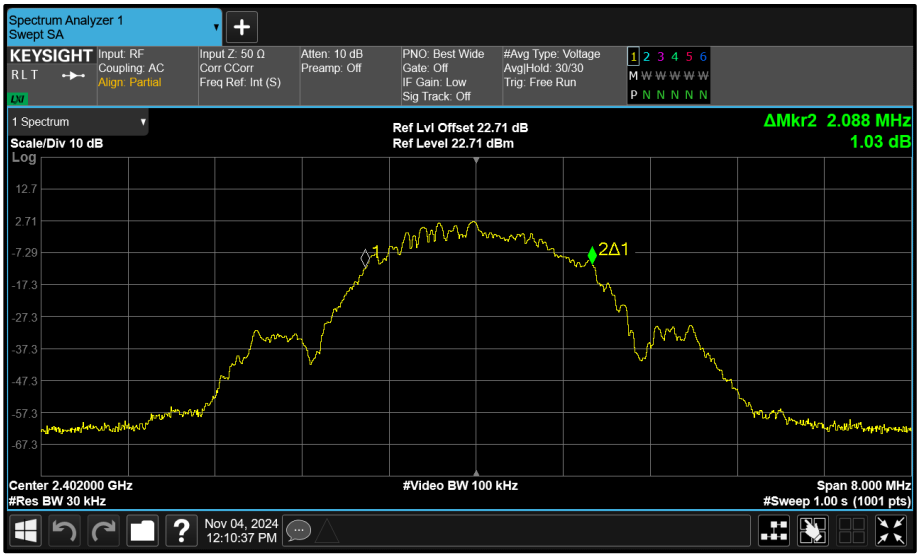

Figure 179 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

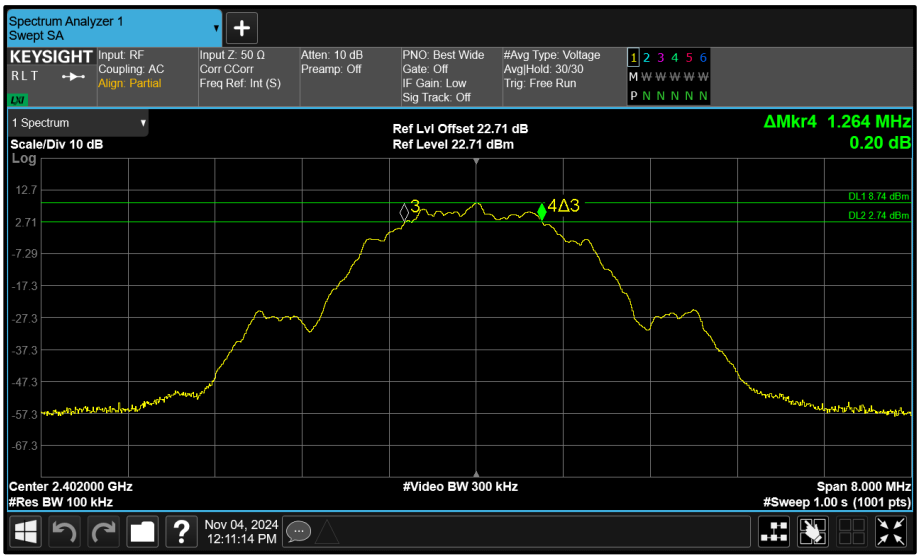

Figure 180 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

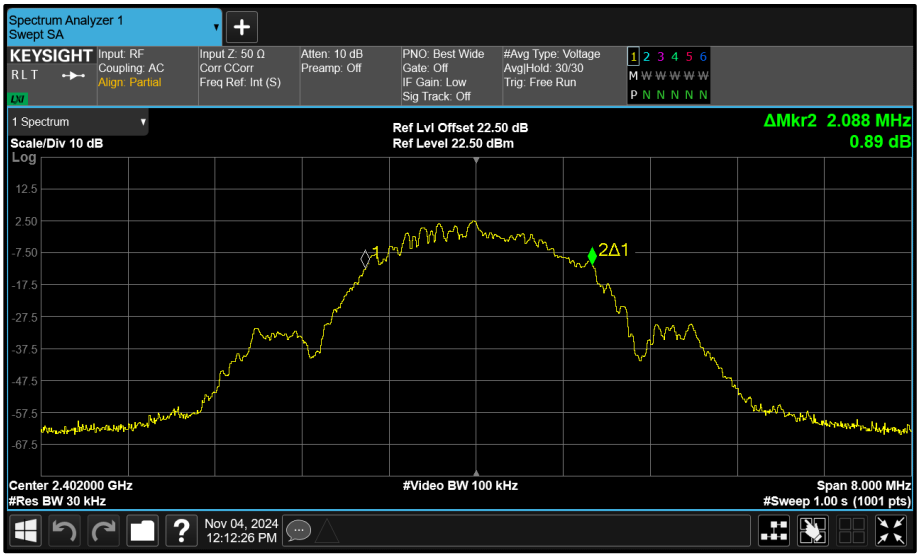

Figure 181 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

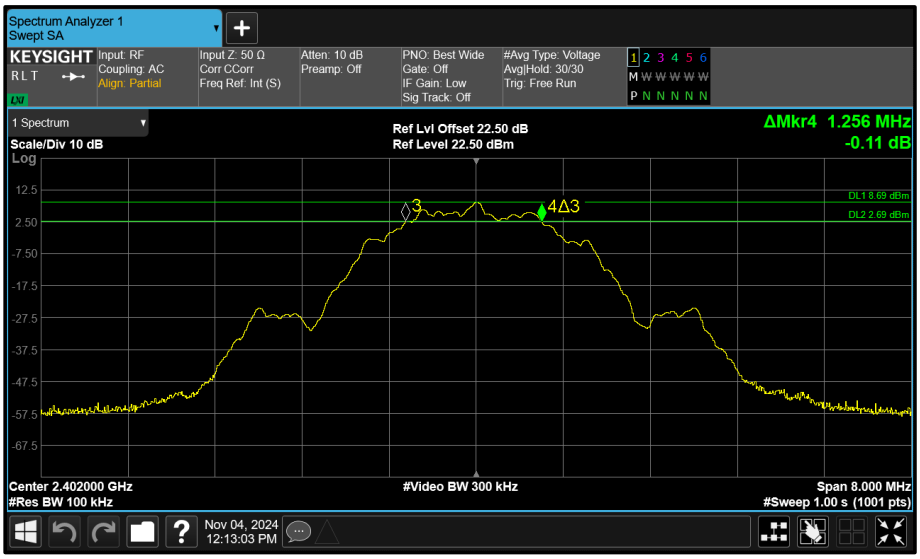

Figure 182 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

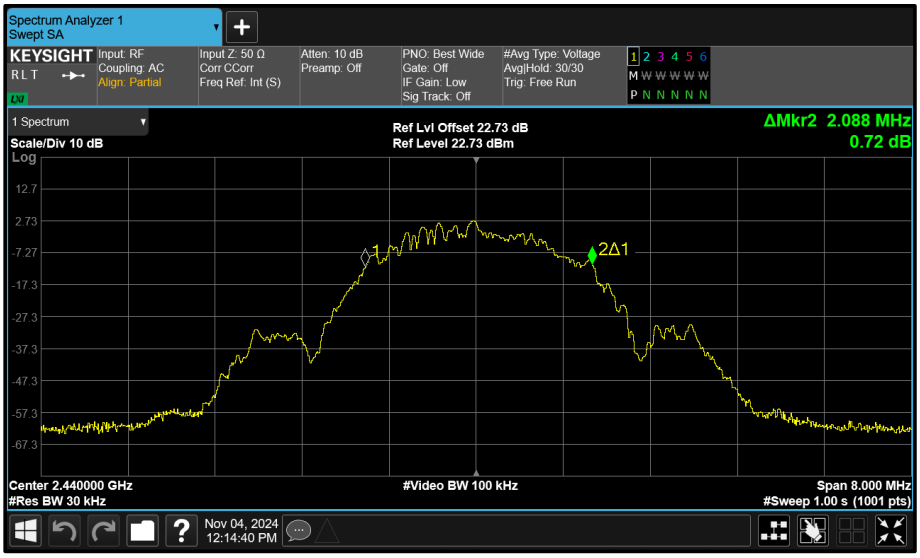

Figure 183 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

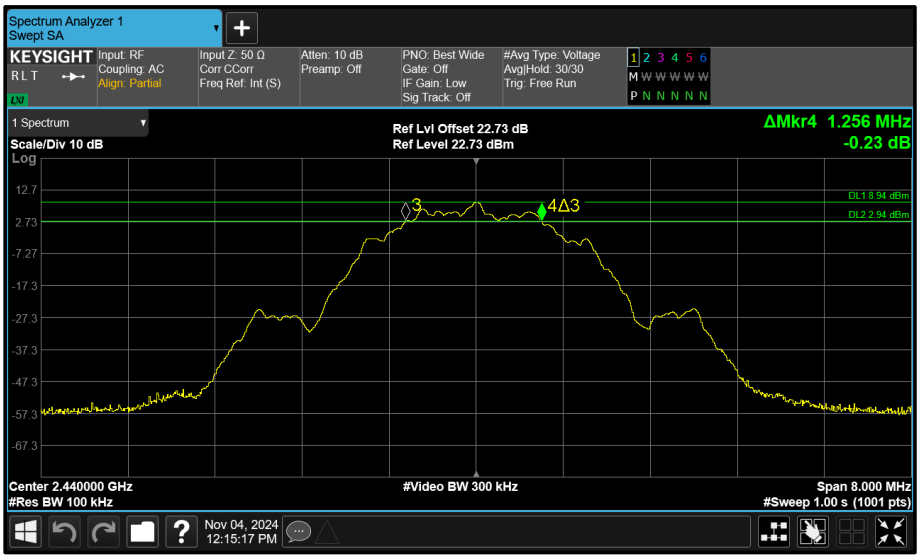

Figure 184 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

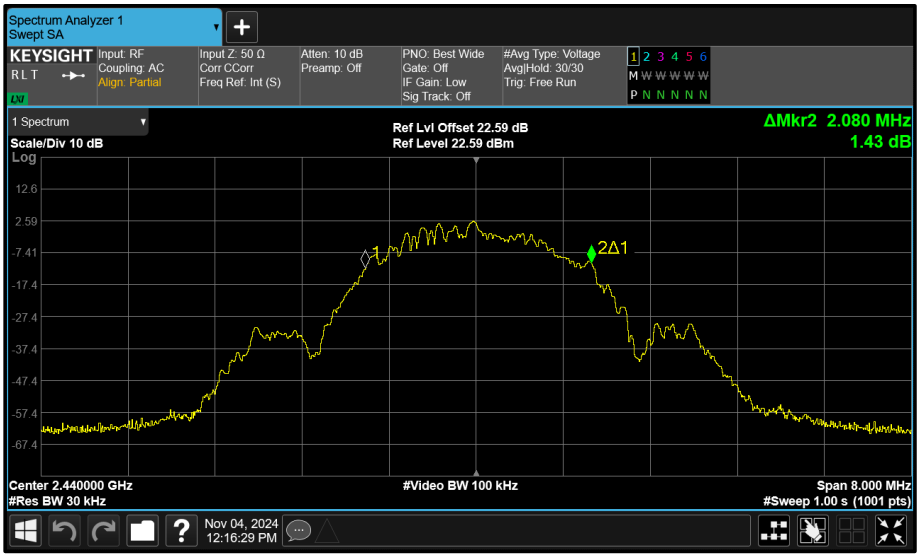

Figure 185 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

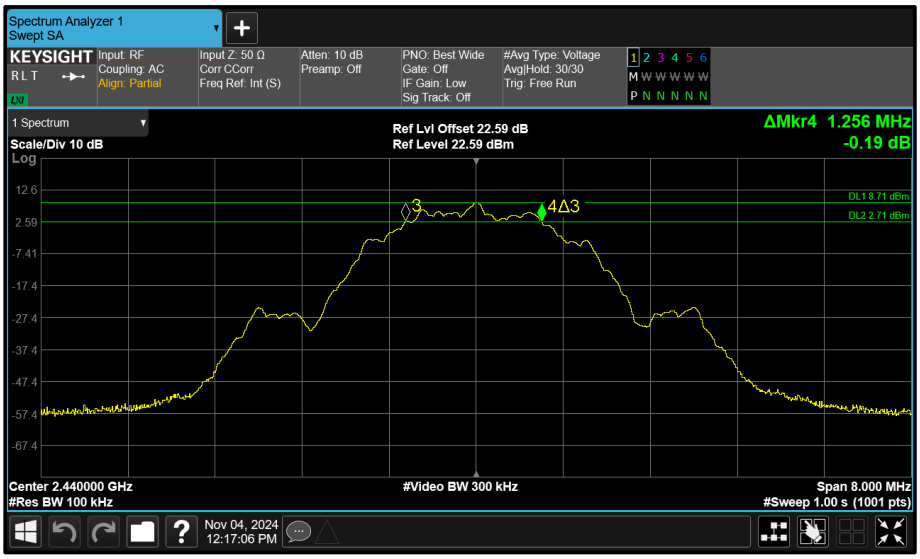

Figure 186 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

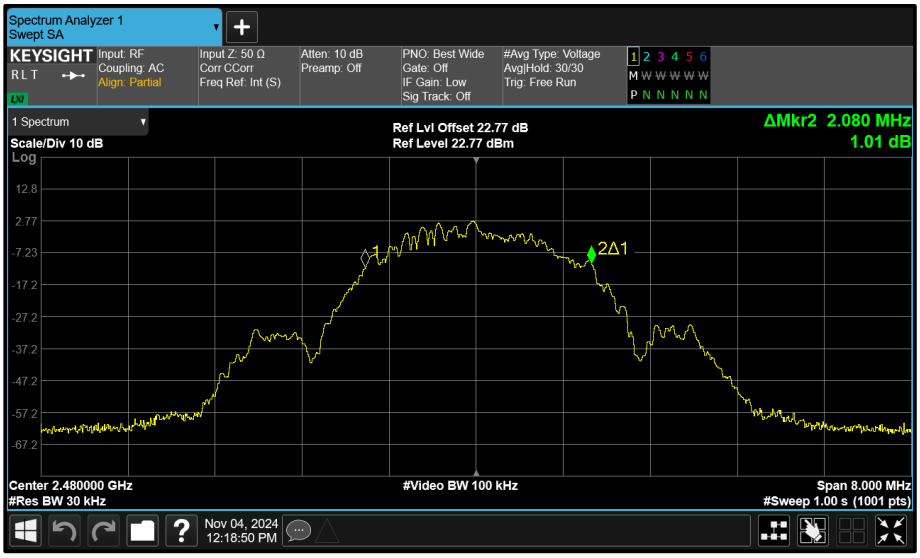

Figure 187 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

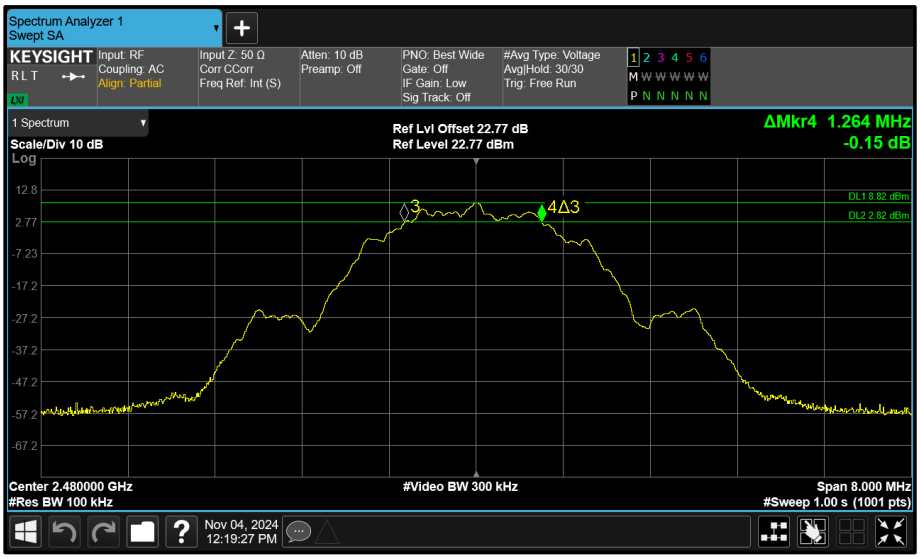

Figure 188 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

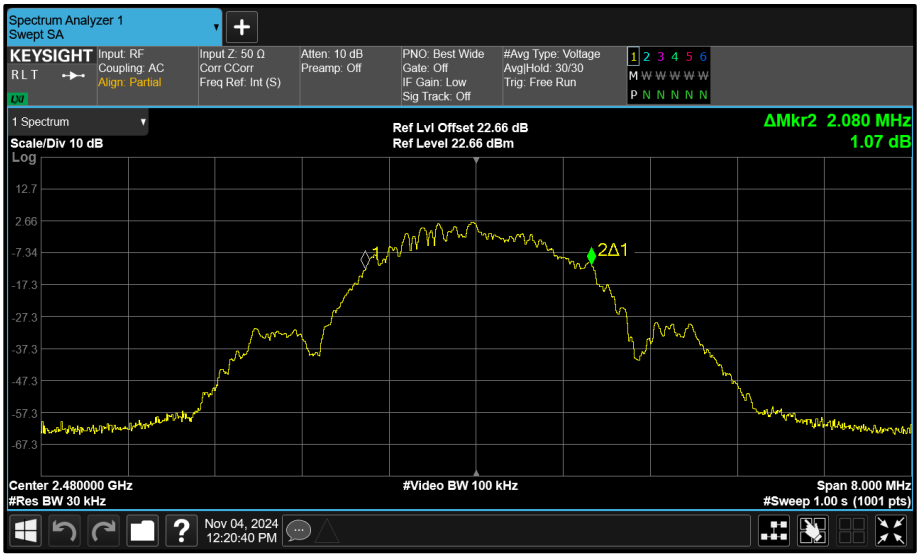

Figure 189 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

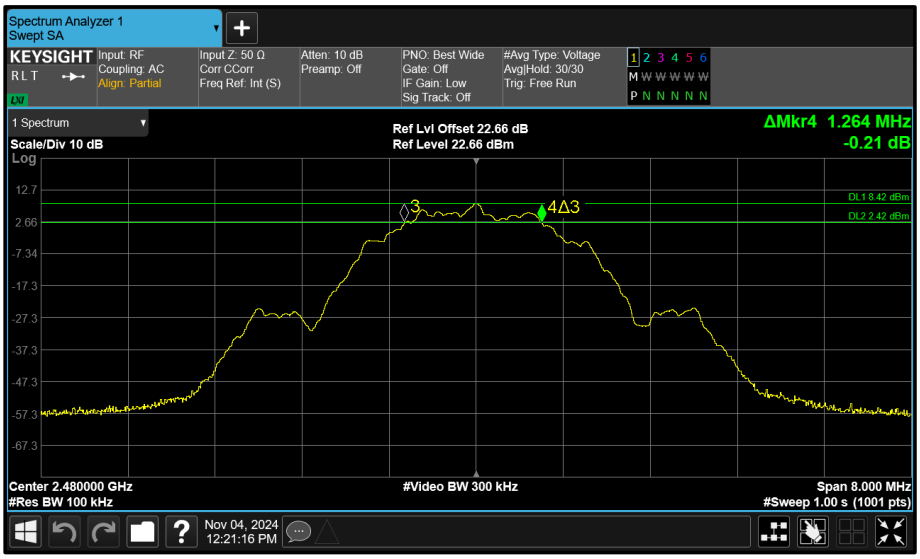

Figure 190 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

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 11.8.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA π/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	
2404	1.912	1.592	-	-	≥500.0
2441	1.912	1.912	-	-	≥500.0
2476	1.912	1.904	-	-	≥500.0

Table 49 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	2.344	2.320	-	-	-
2441	2.344	2.328	-	-	-
2476	2.344	2.328	-	-	-

Table 50 - 99% Bandwidth Results

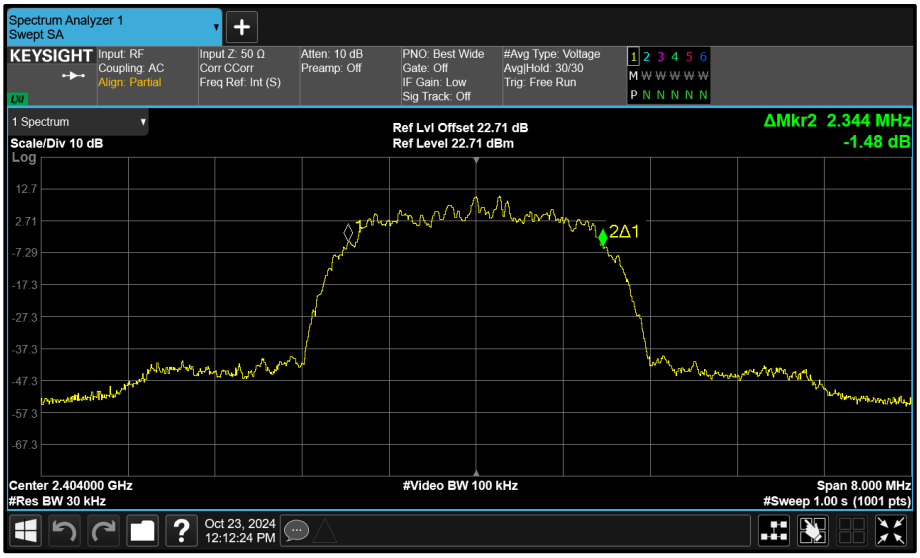

Figure 191 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

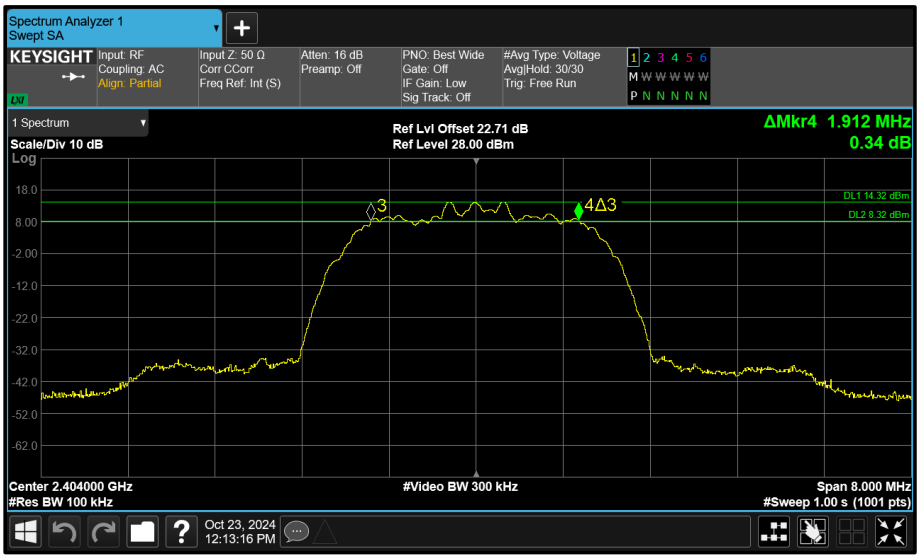

Figure 192 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

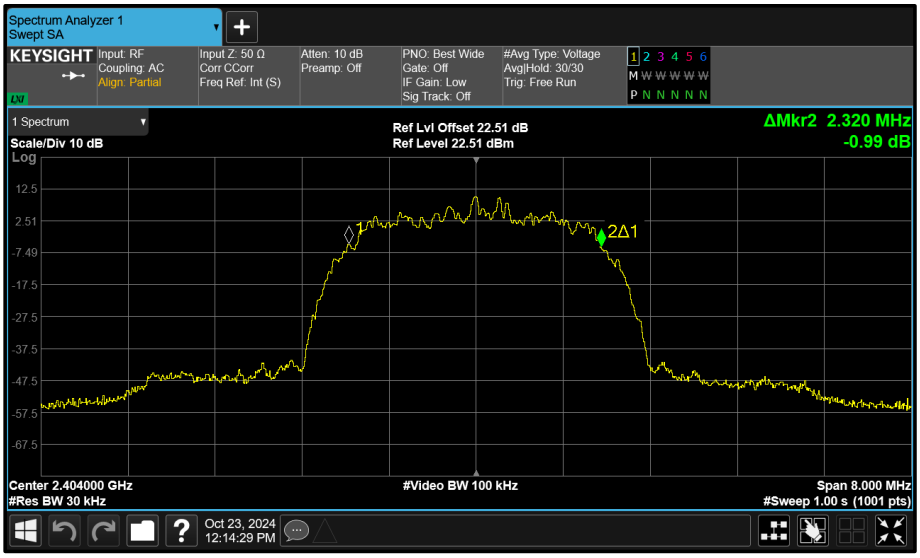

Figure 193 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

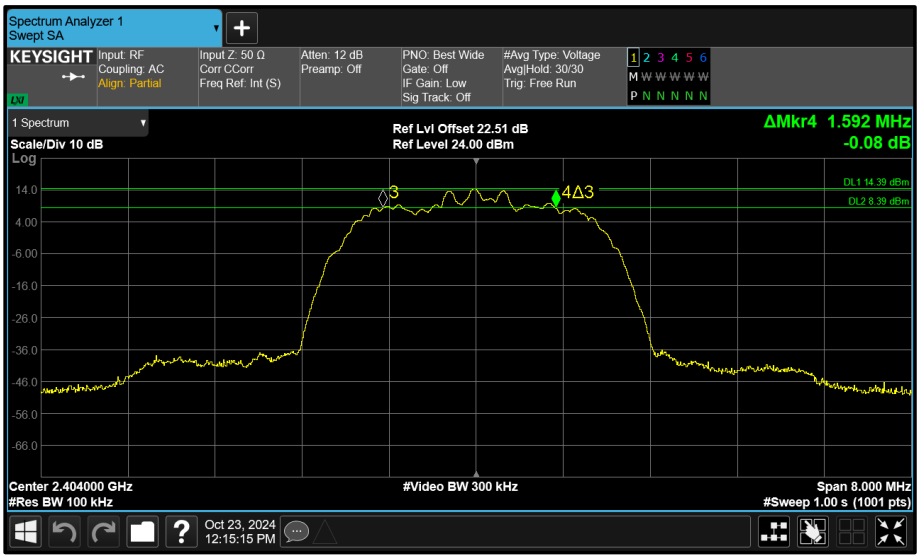

Figure 194 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

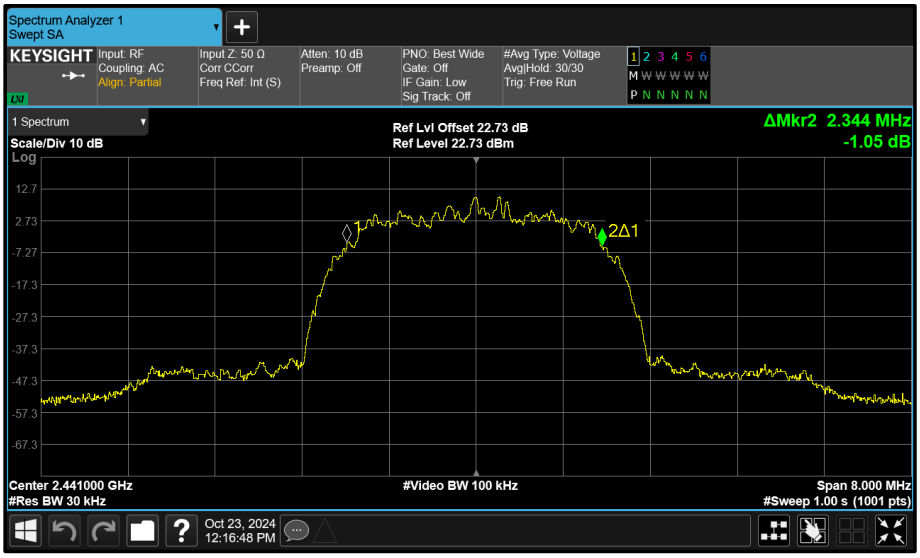

Figure 195 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

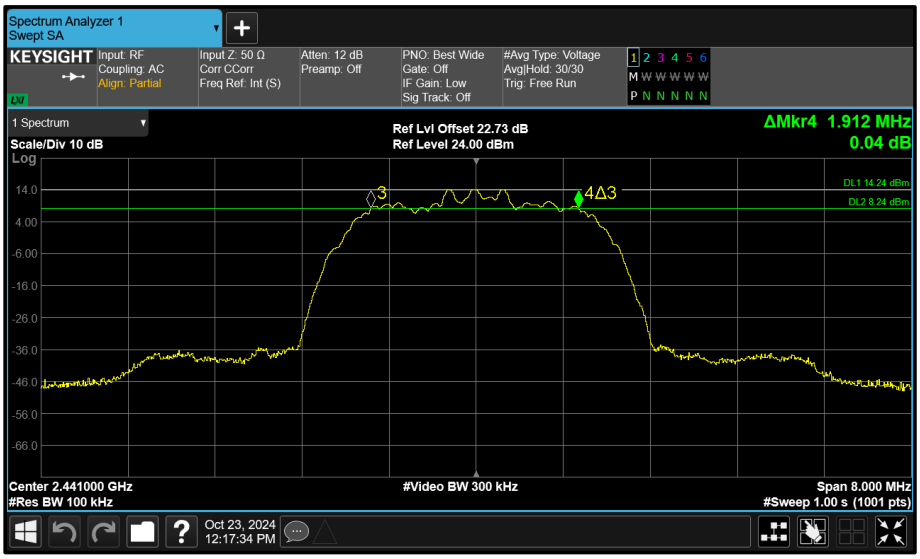

Figure 196 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

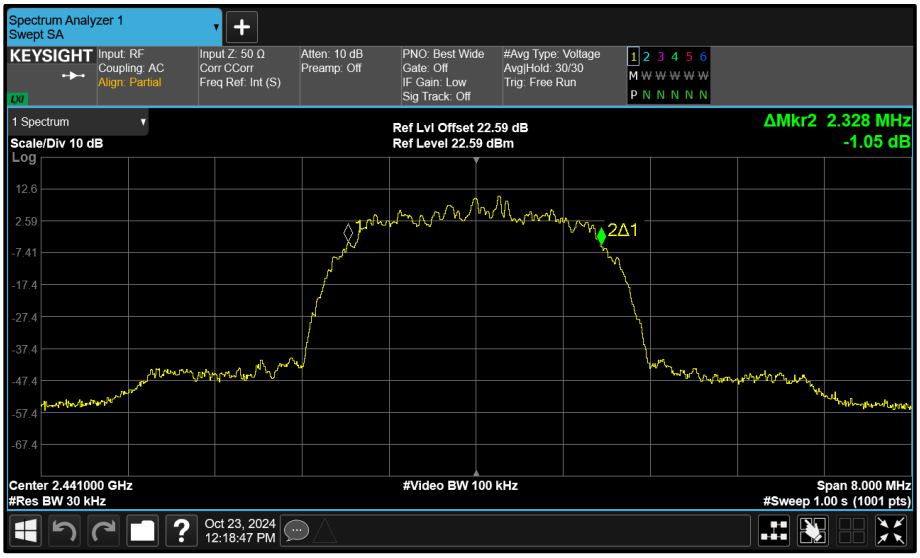

Figure 197 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

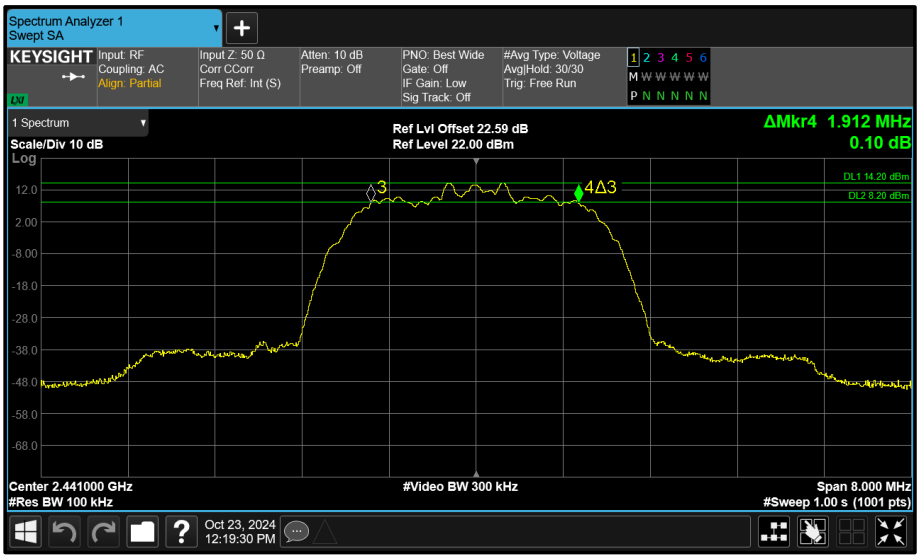

Figure 198 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

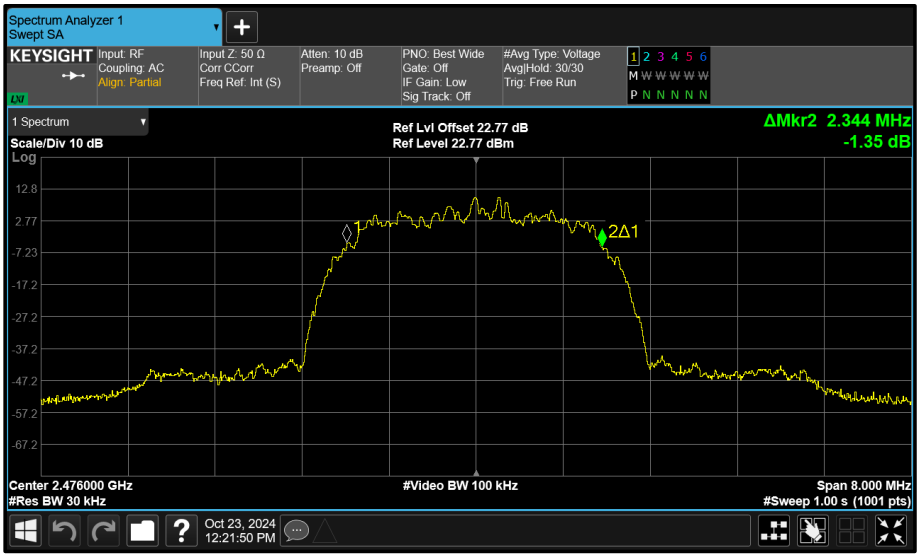

Figure 199 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

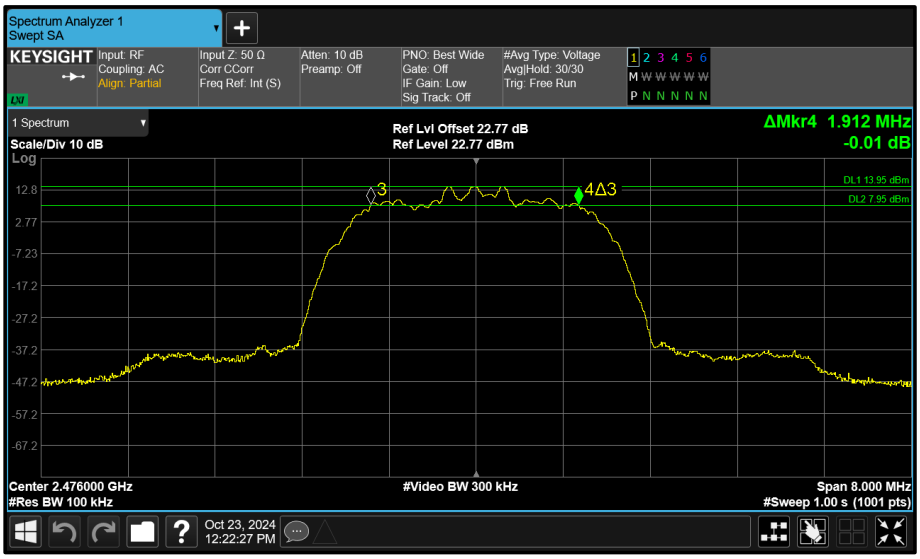

Figure 200 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

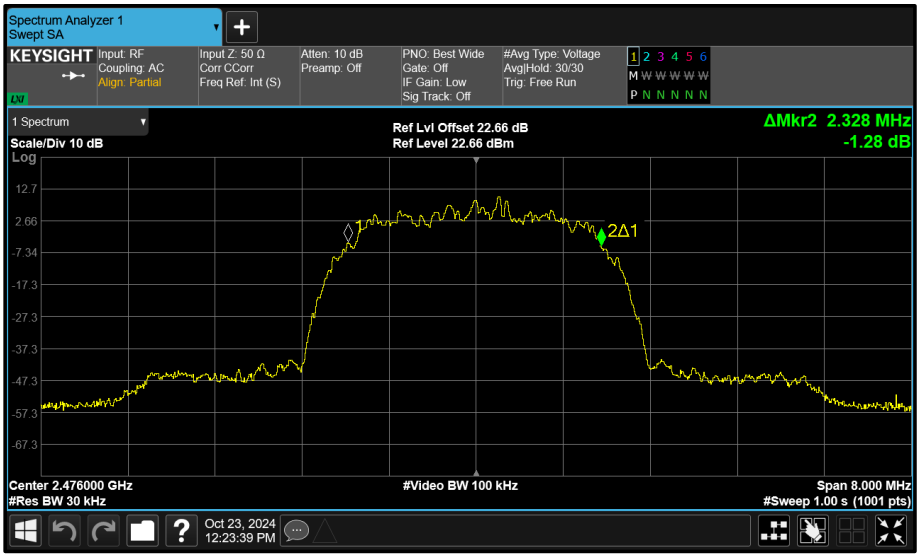

Figure 201 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

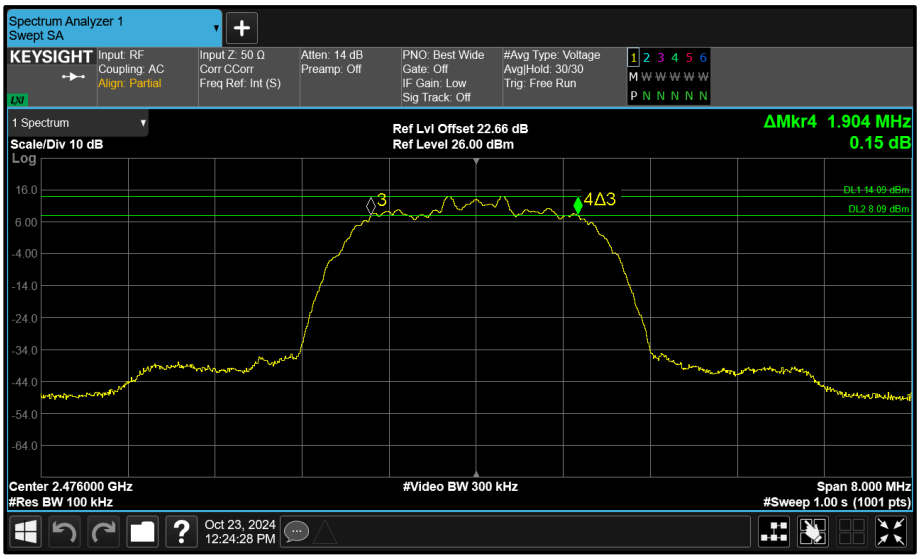

Figure 202 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 11.8.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA π/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	
2404	1.020	0.660	-	-	≥500.0
2441	1.035	1.020	-	-	≥500.0
2476	1.020	1.020	-	-	≥500.0

Table 51 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	4.725	4.620	-	-	-
2441	4.710	4.620	-	-	-
2476	4.710	4.635	-	-	-

Table 52 - 99% Bandwidth Results

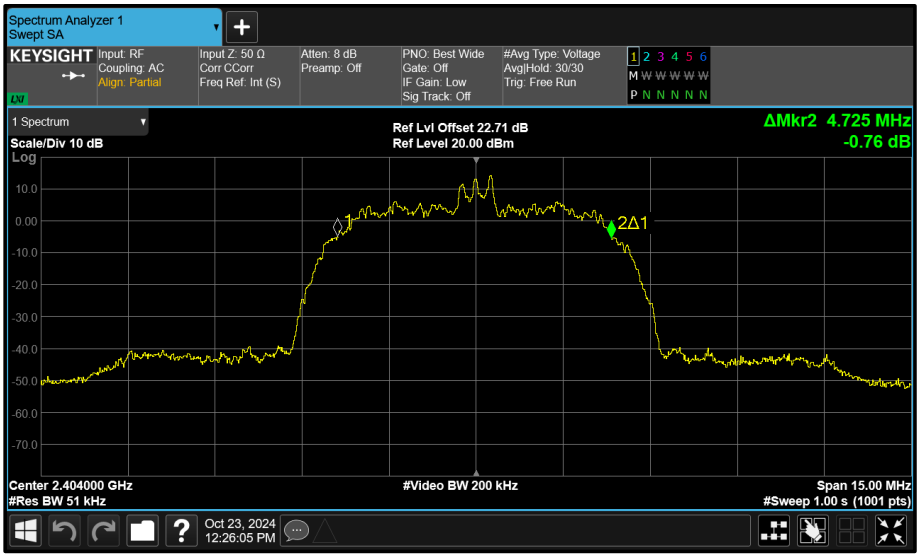

Figure 203 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

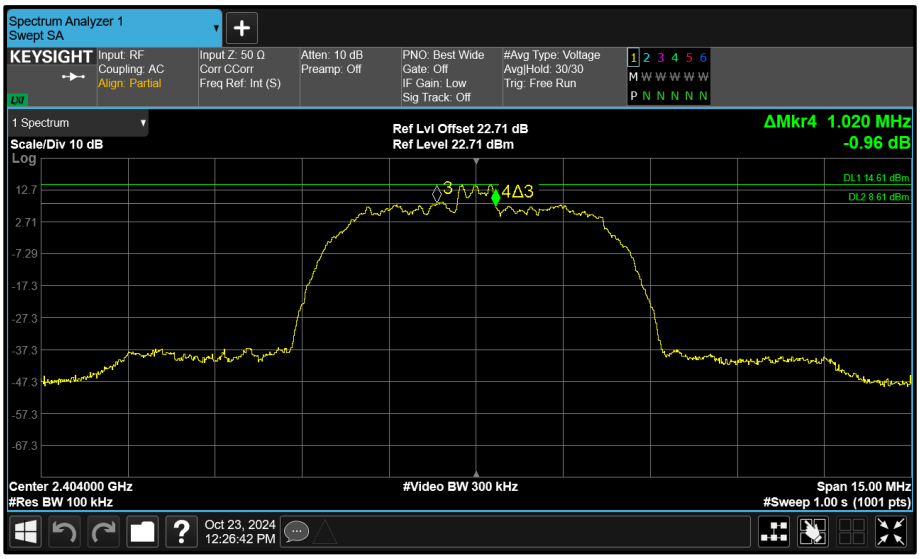

Figure 204 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

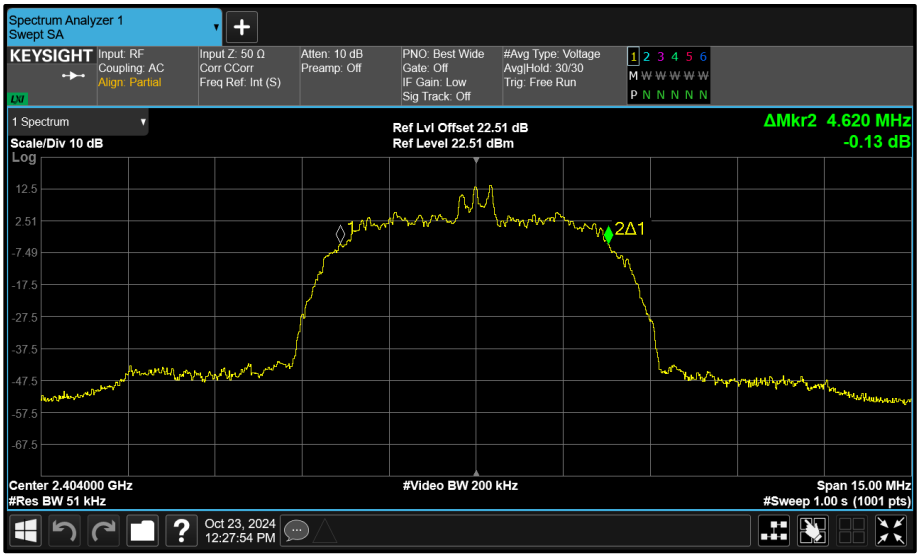

Figure 205 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

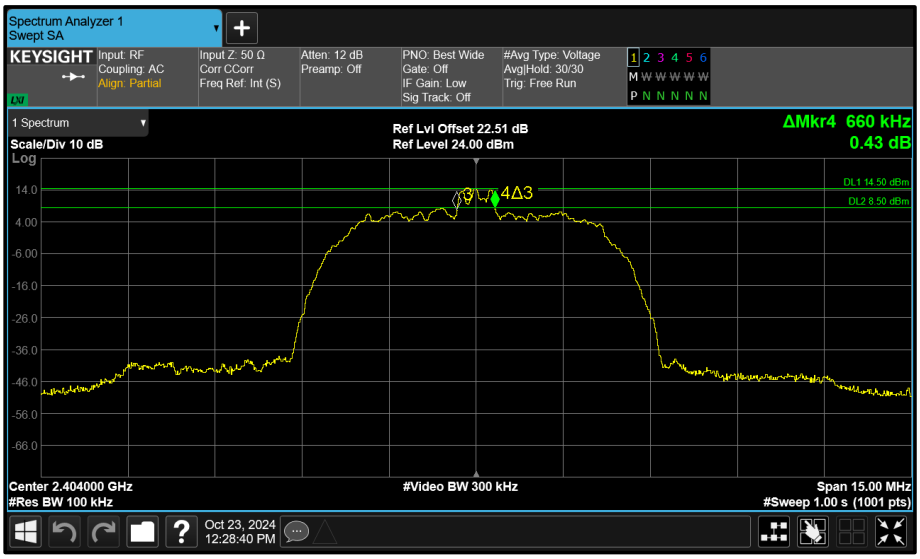

Figure 206 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

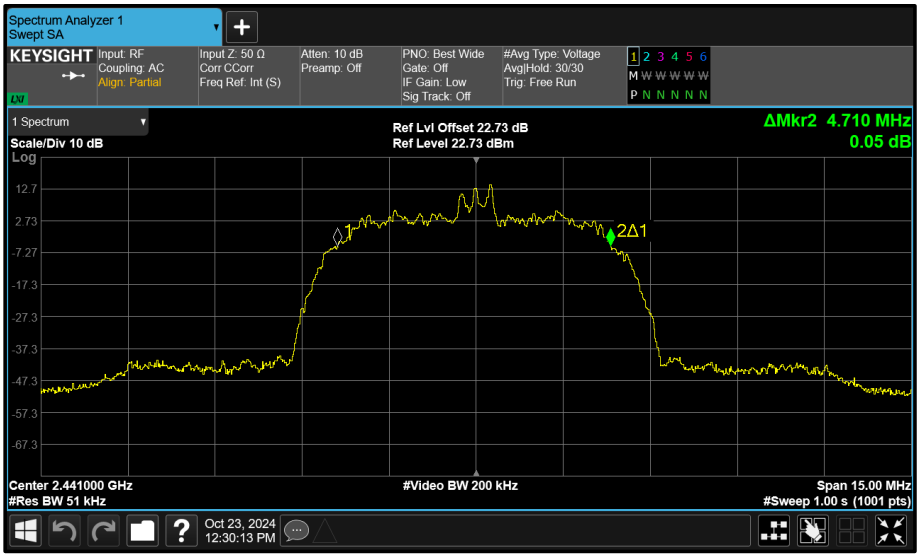

Figure 207 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

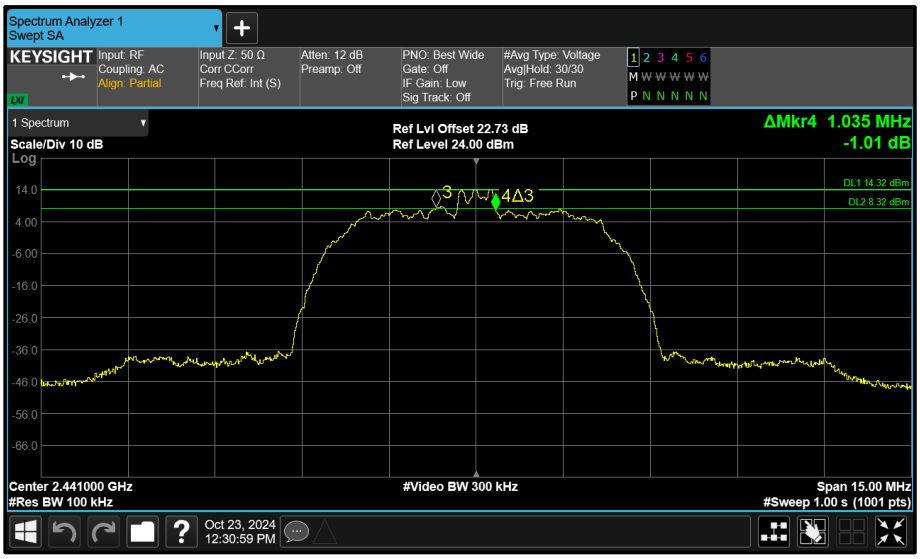

Figure 208 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

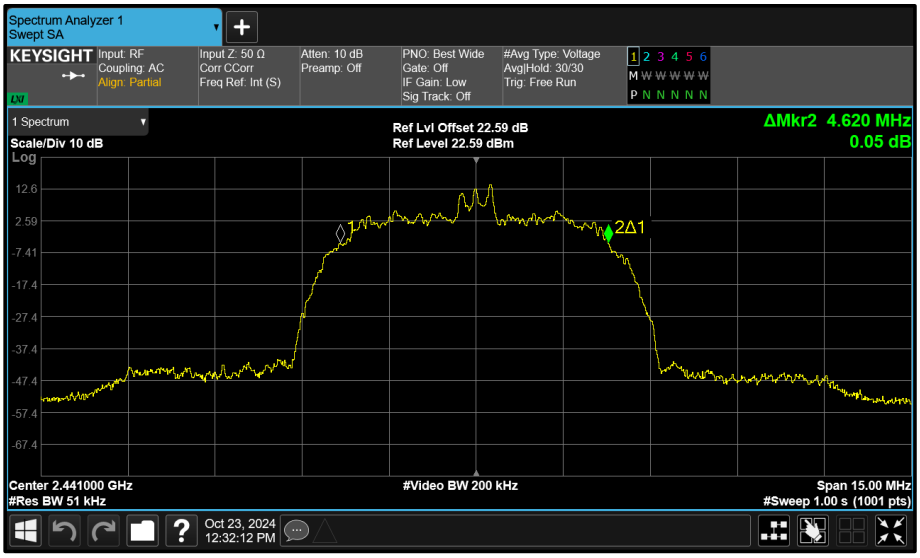

Figure 209 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

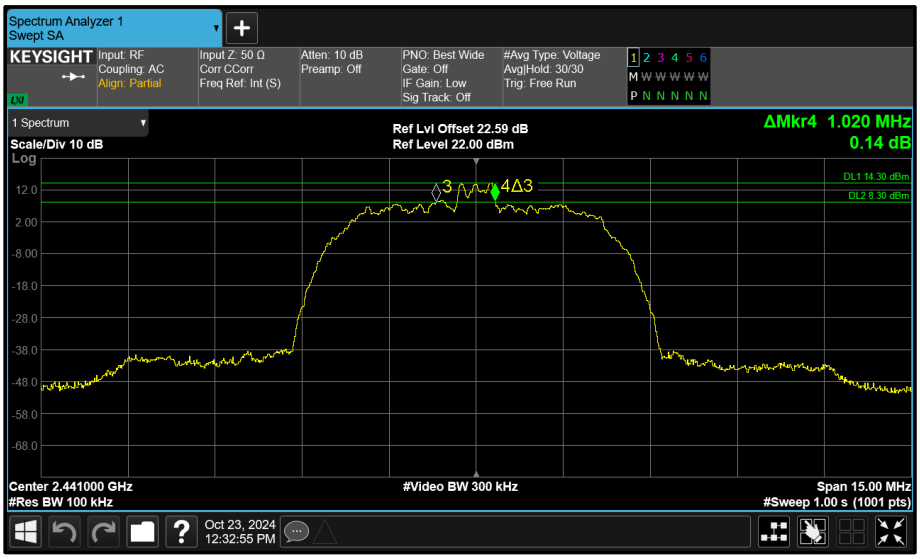

Figure 210 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

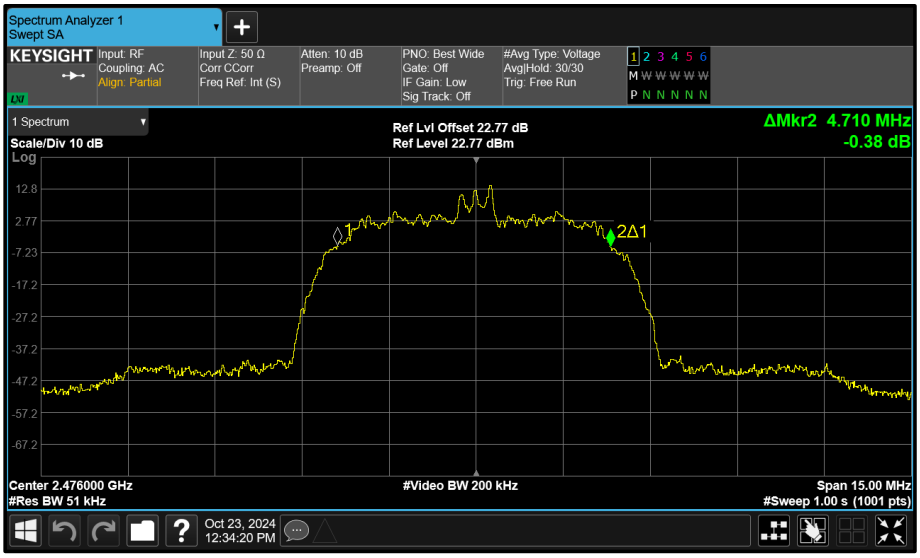

Figure 211 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

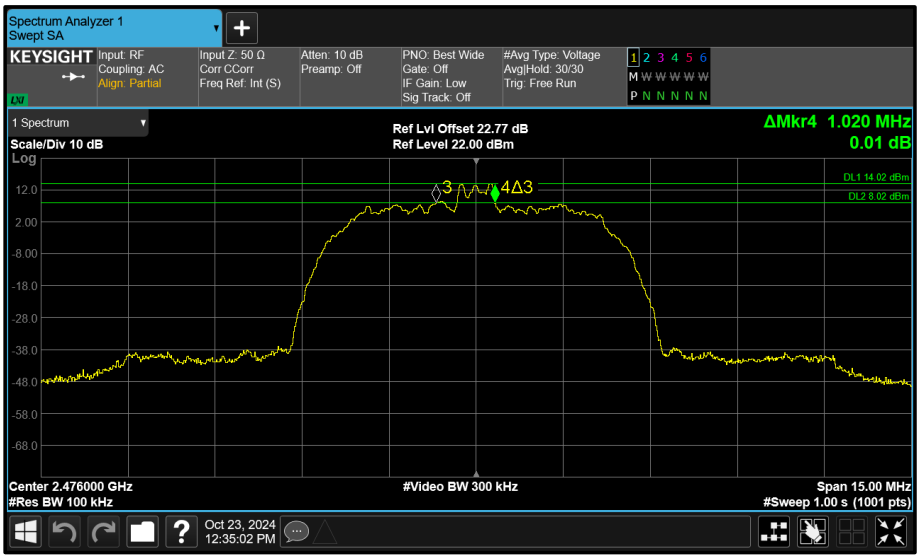

Figure 212 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

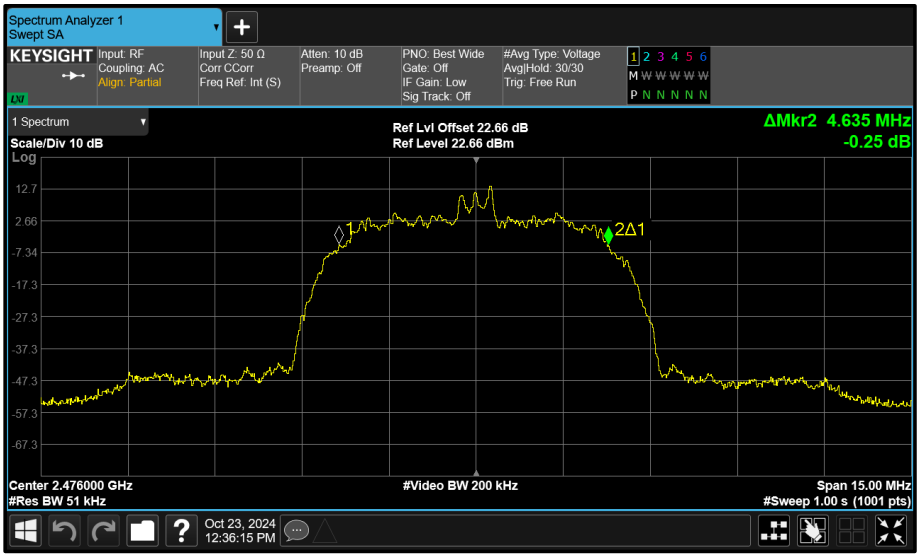

Figure 213 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

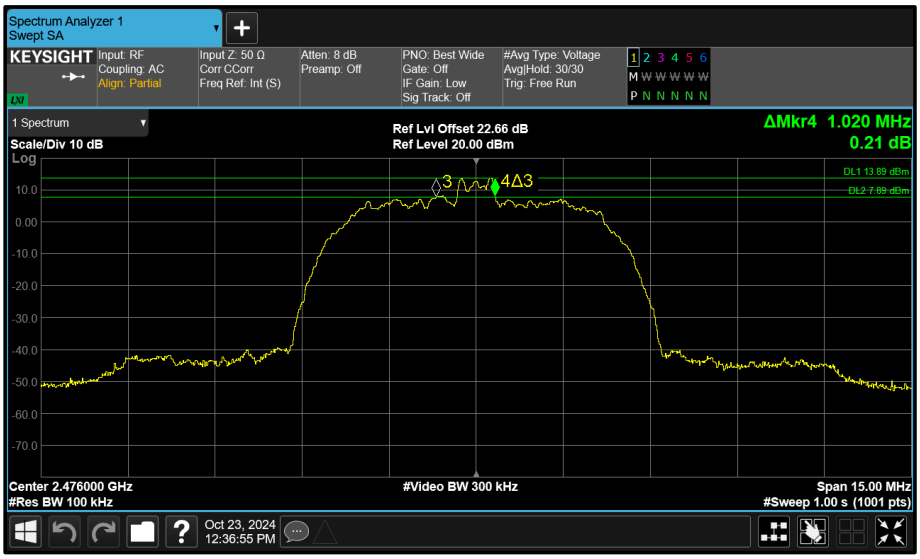

Figure 214 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 11.8.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	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	
2402	0.724	0.728	-	-	≥500.0
2440	0.720	0.720	-	-	≥500.0
2480	0.724	0.724	-	-	≥500.0

Table 53 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.036	1.040	-	-	-
2440	1.032	1.024	-	-	-
2480	1.040	1.040	-	-	-

Table 54 - 99% Bandwidth Results

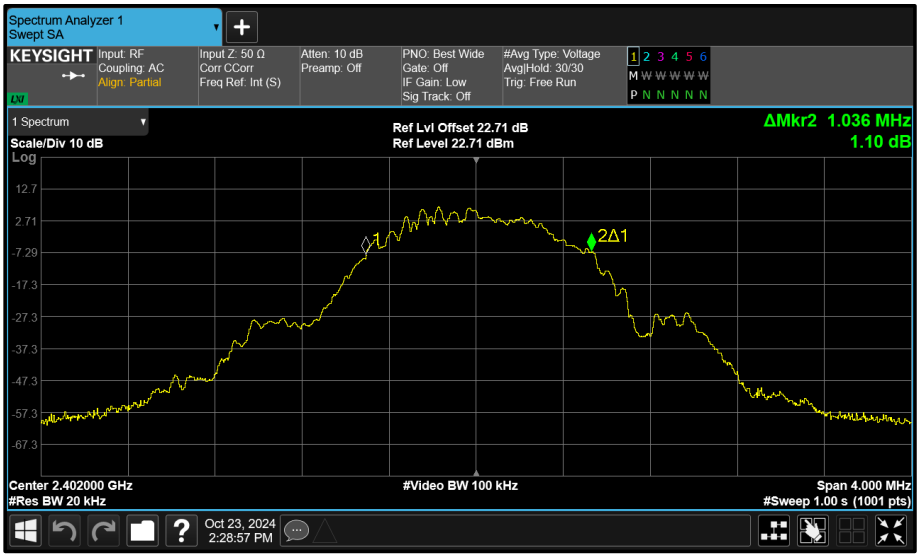

Figure 215 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

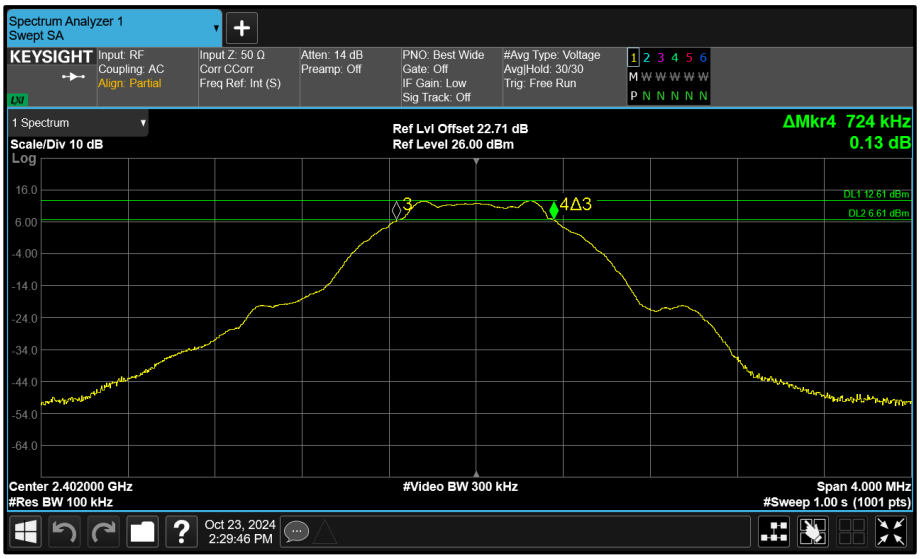

Figure 216 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

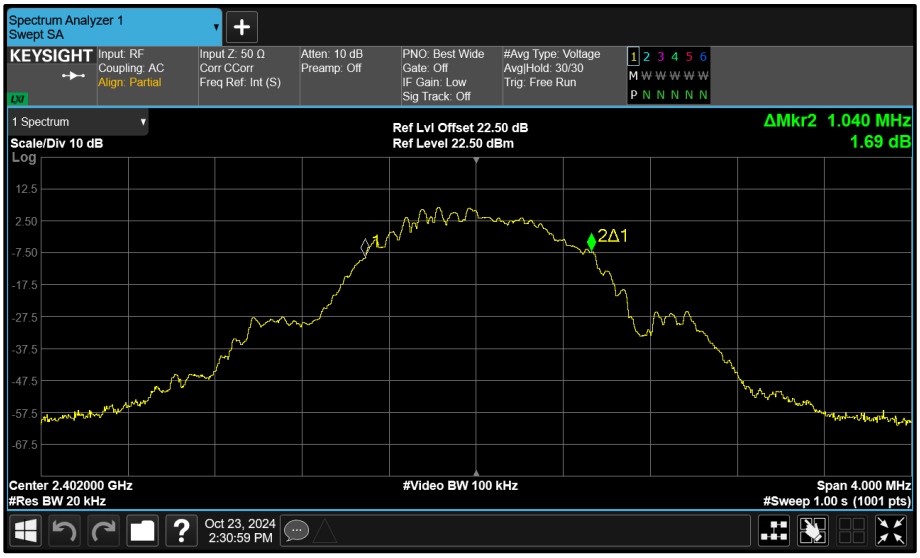

Figure 217 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

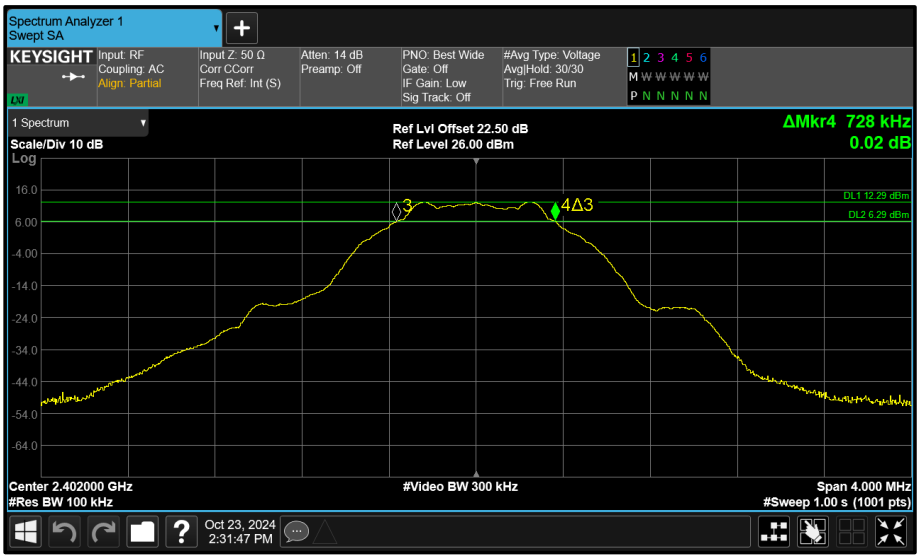

Figure 218 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

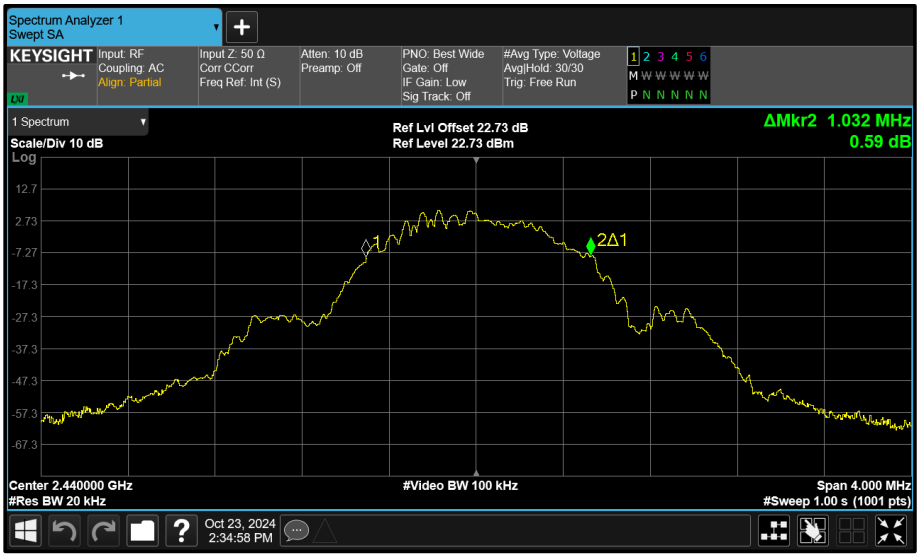

Figure 219 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

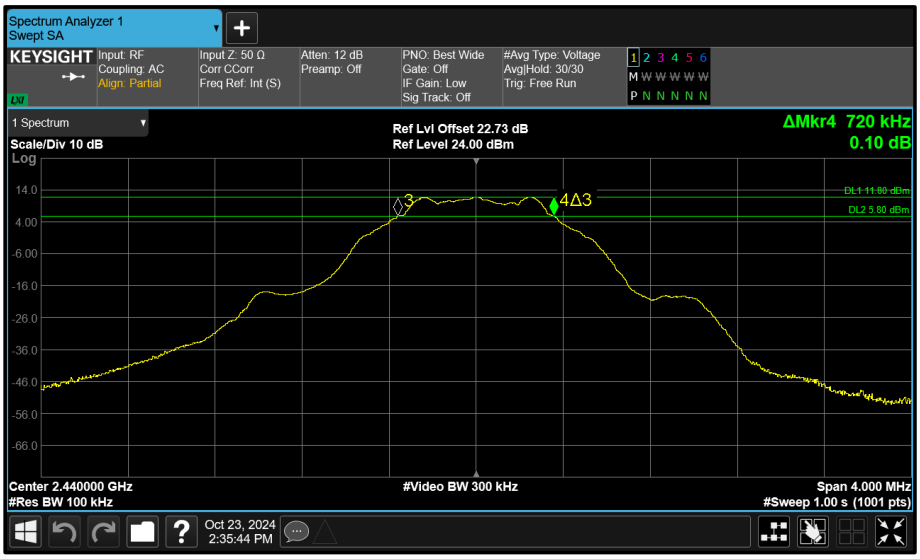

Figure 220 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

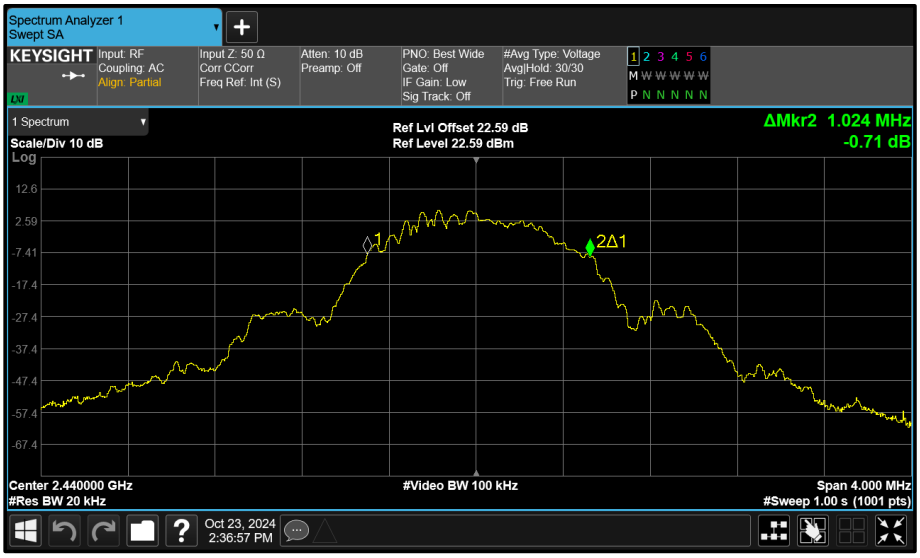

Figure 221 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

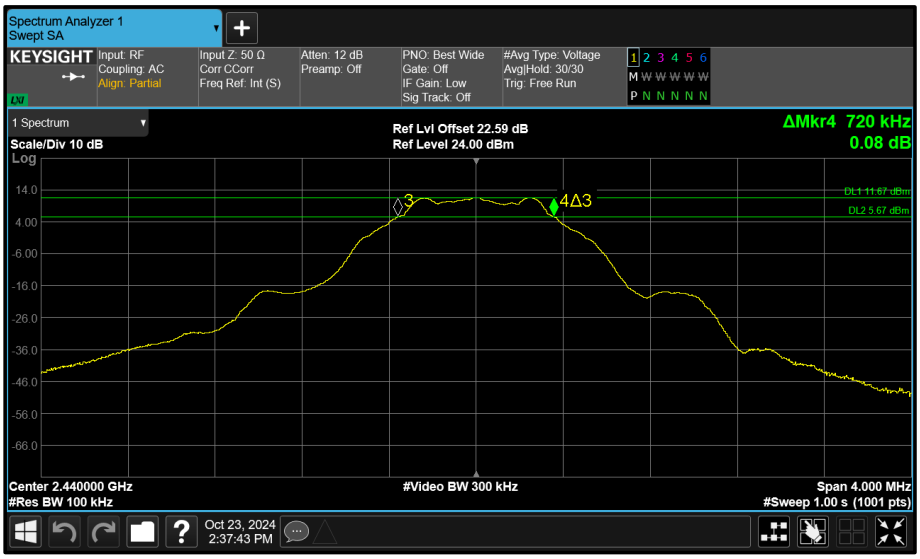

Figure 222 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

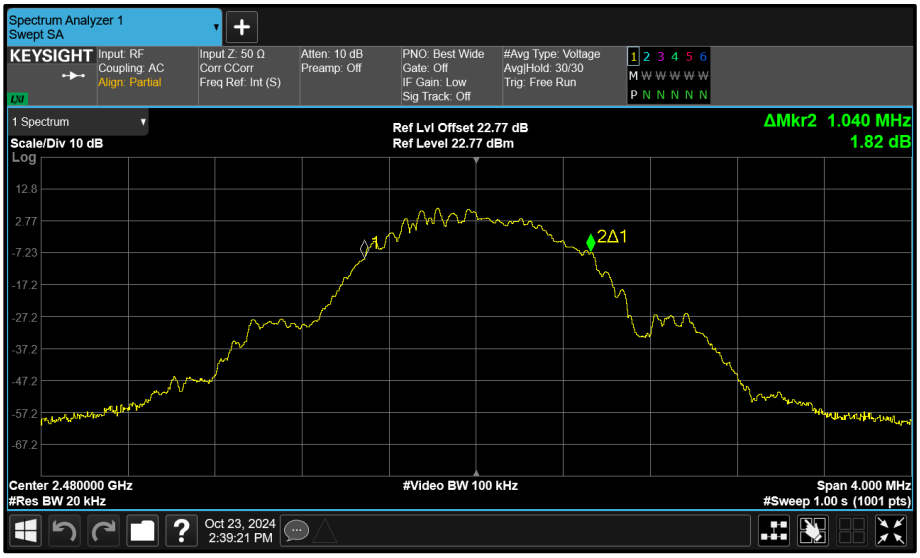

Figure 223 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

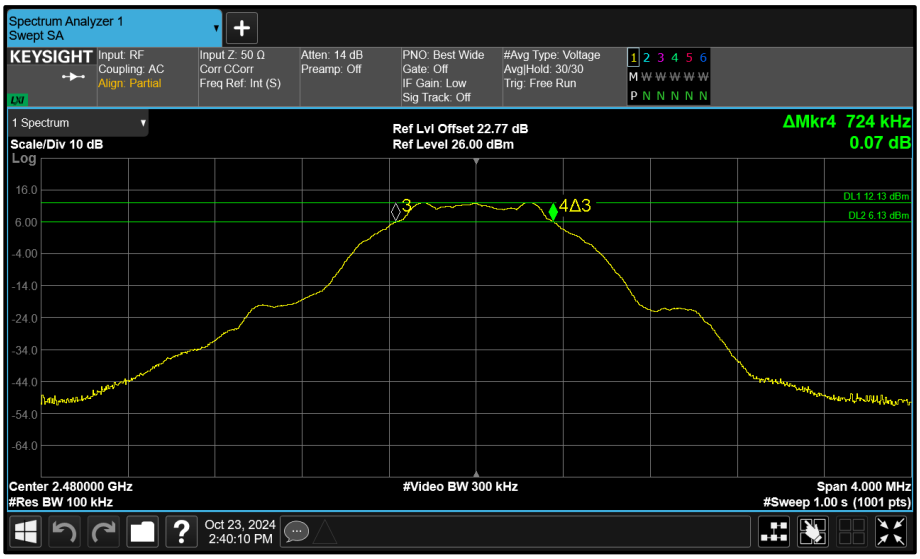

Figure 224 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

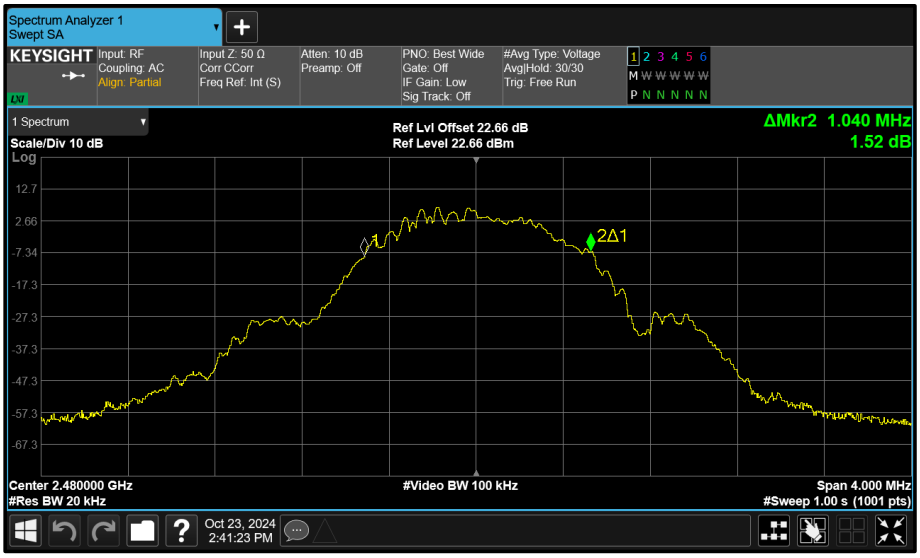

Figure 225 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

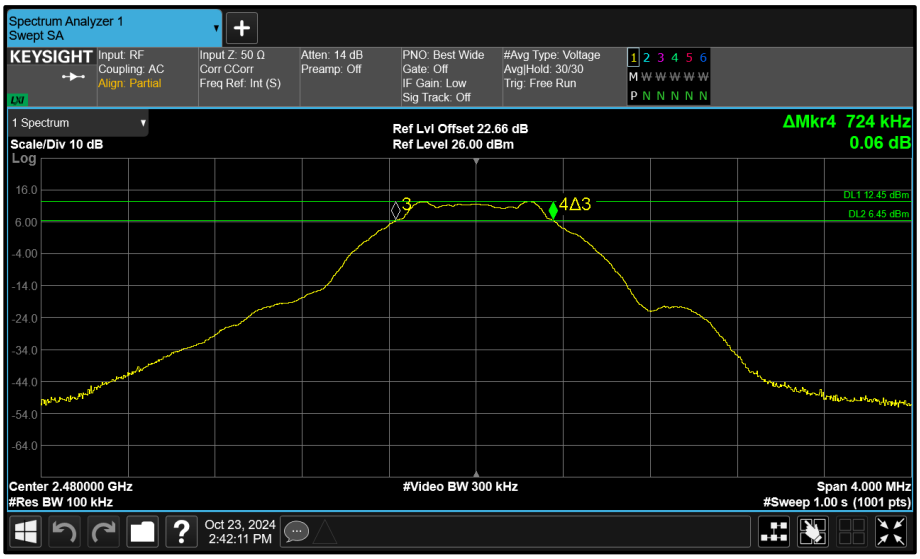

Figure 226 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

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 11.8.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 2M)	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	
2402	1.248	1.240	-	-	≥500.0
2440	1.256	1.240	-	-	≥500.0
2480	1.264	1.256	-	-	≥500.0

Table 55 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	2.080	2.064	-	-	-
2440	2.072	2.056	-	-	-
2480	2.072	2.064	-	-	-

Table 56 - 99% Bandwidth Results

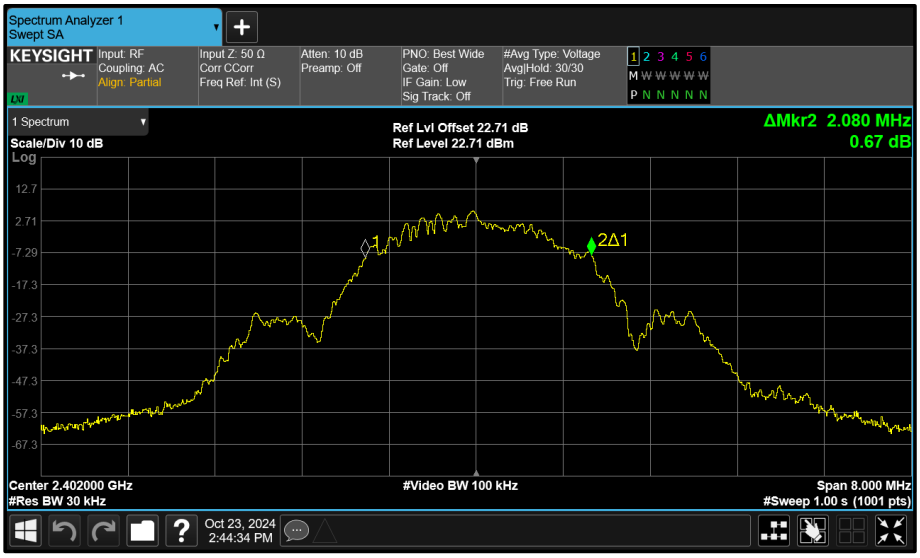

Figure 227 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

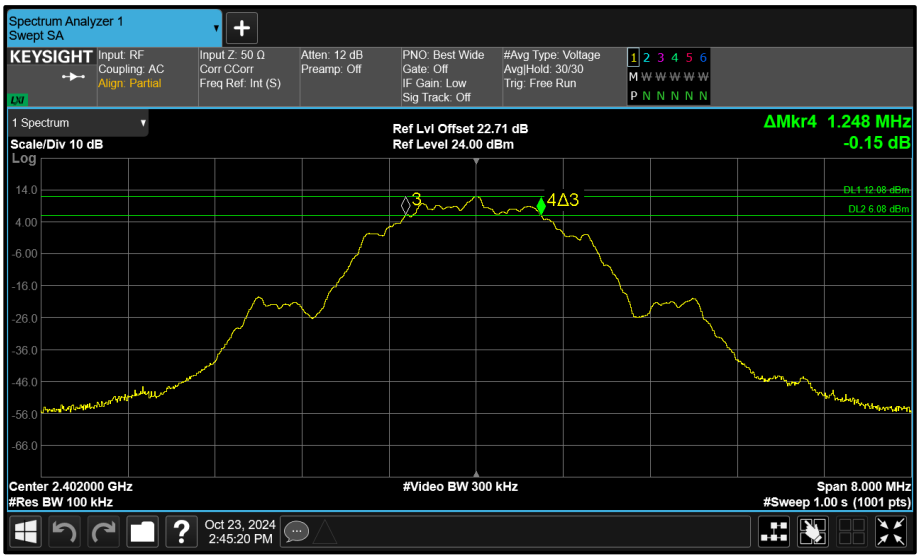

Figure 228 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

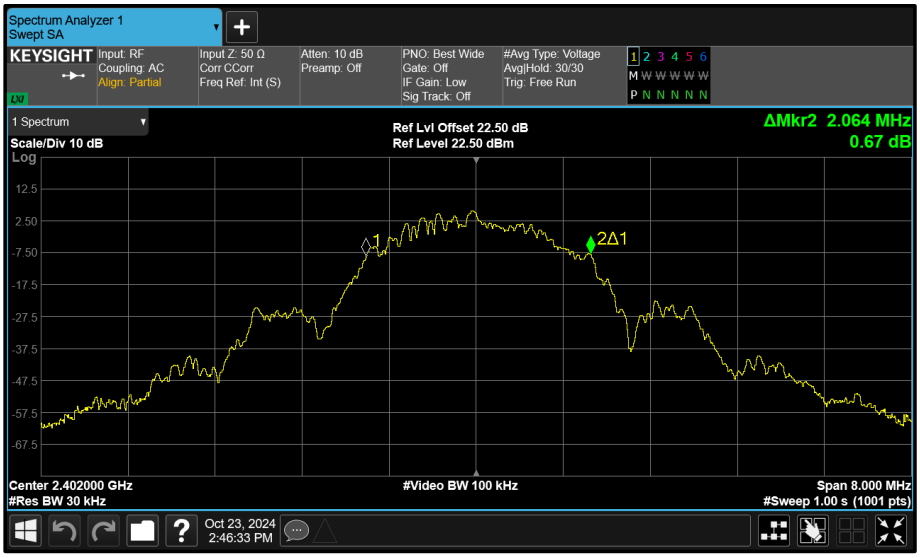

Figure 229 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

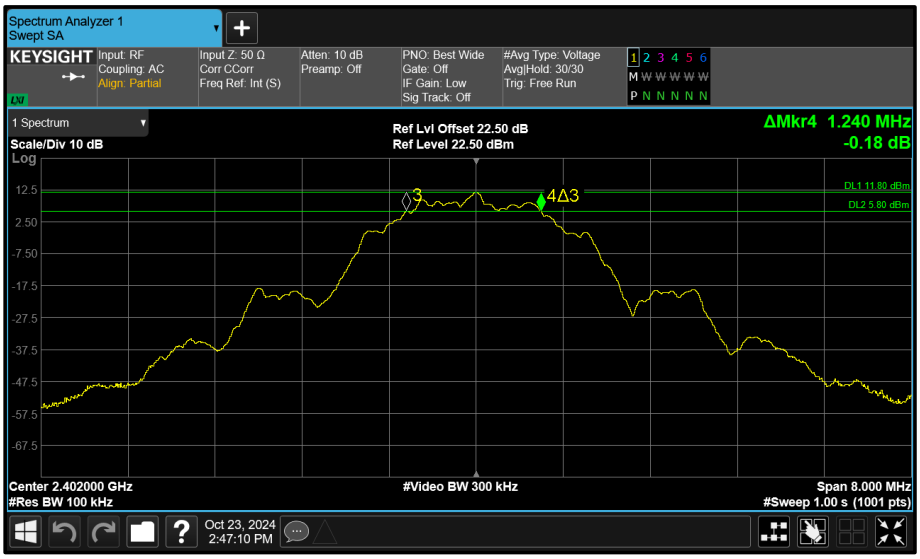

Figure 230 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

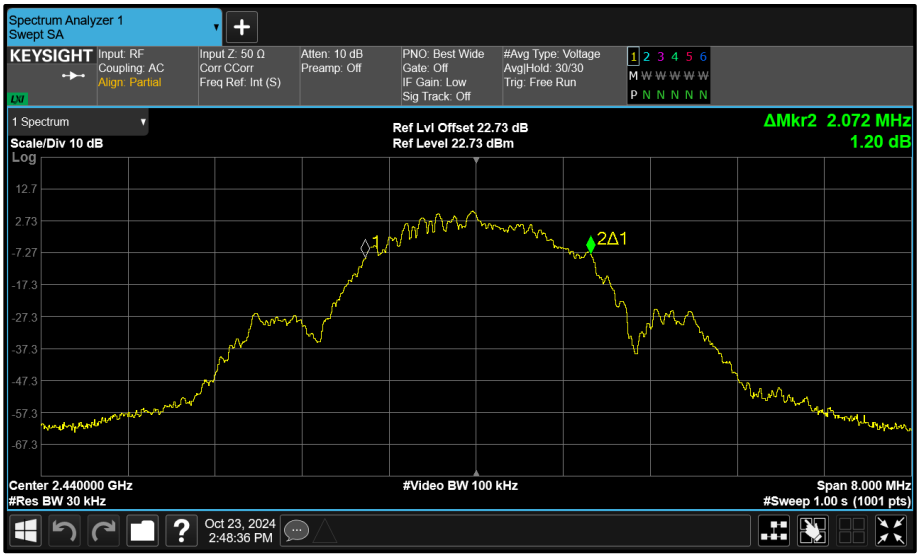

Figure 231 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

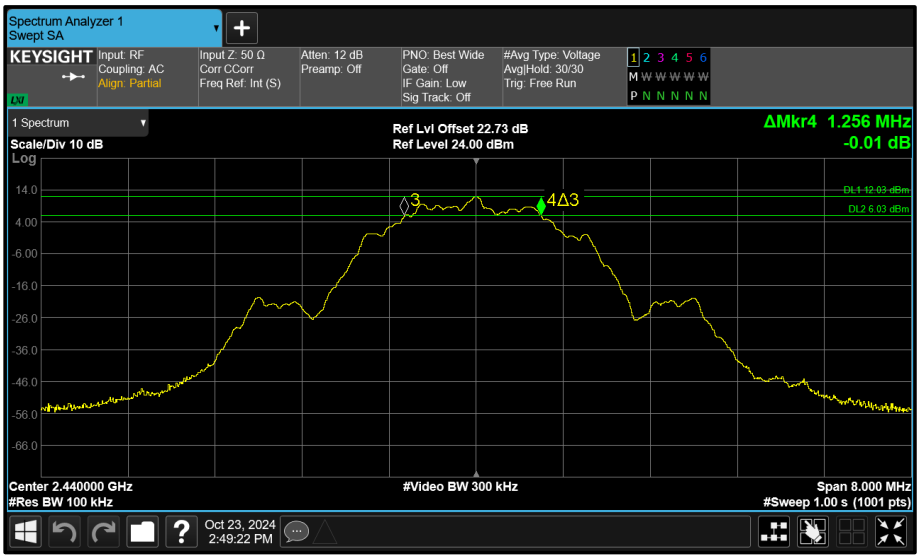

Figure 232 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

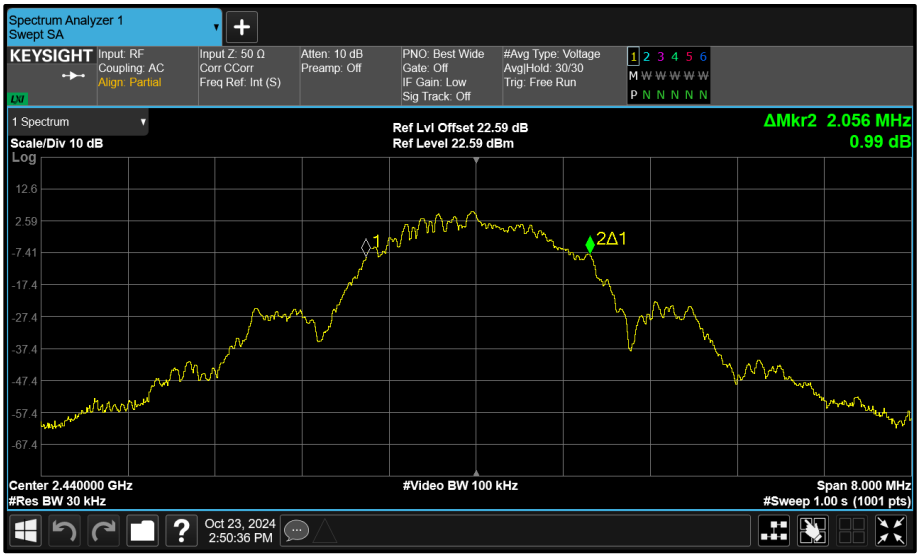

Figure 233 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

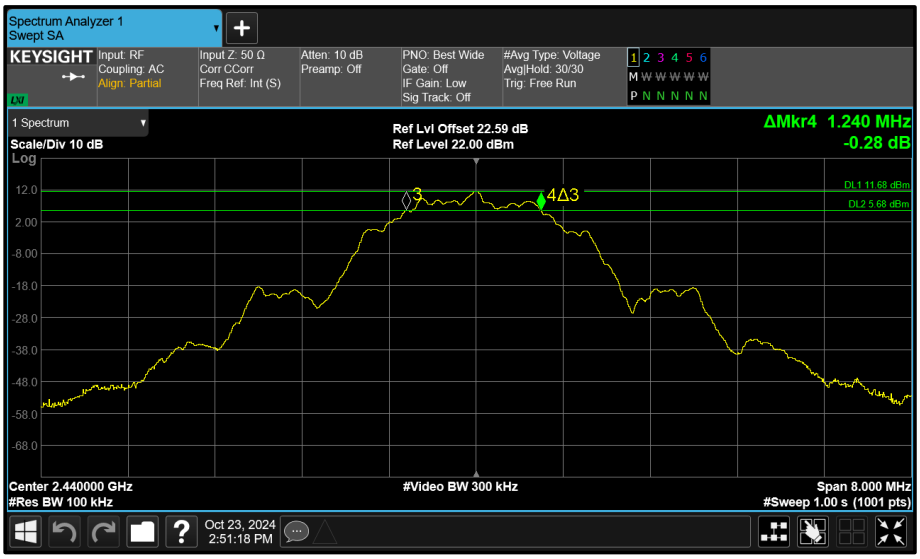

Figure 234 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

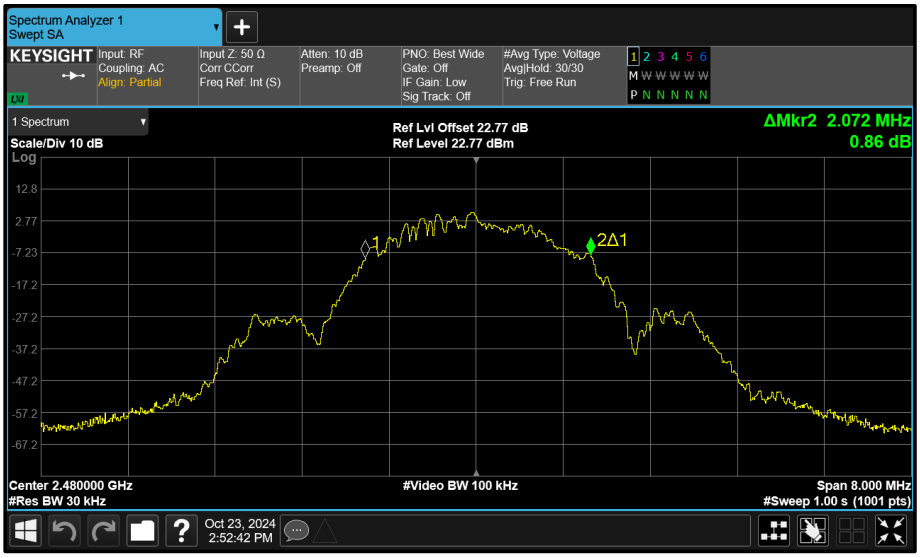

Figure 235 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

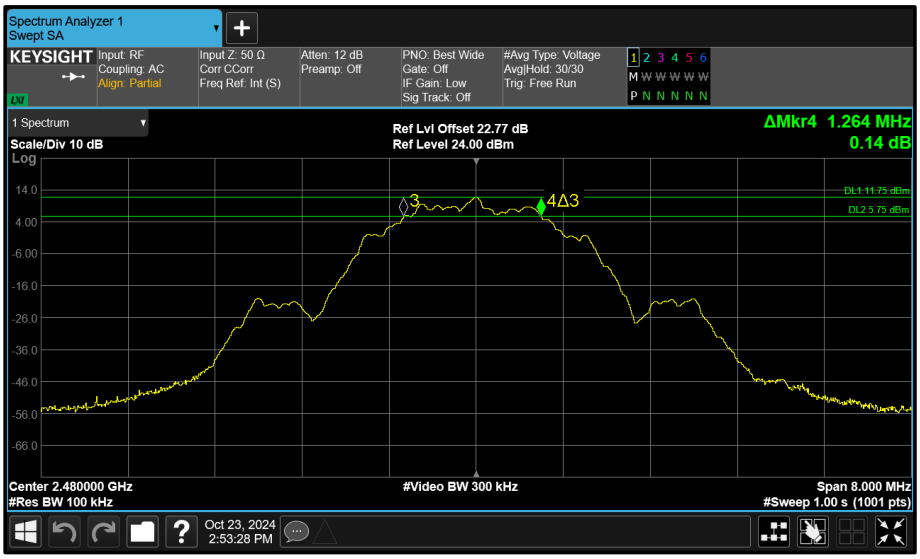

Figure 236 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

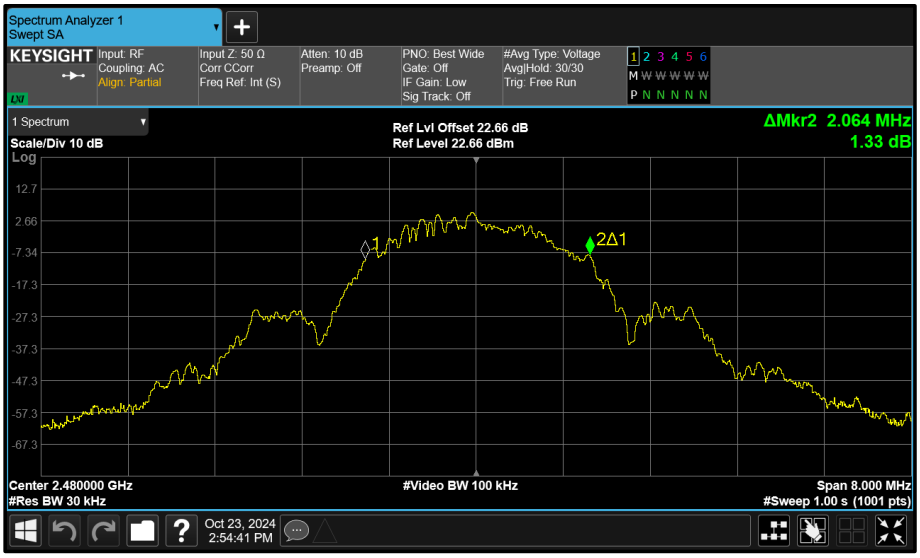

Figure 237 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

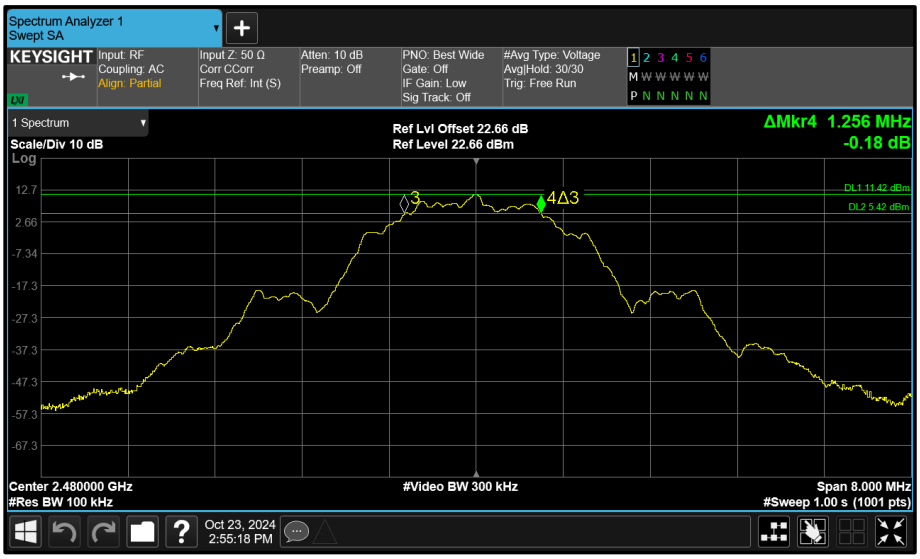

Figure 238 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

FCC 47 CFR Part 15, Limit Clause 15.247(a)(2) and ISED RSS-247, Clause 5.2(a)

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
AC Programmable Power Supply	iTech	IT7324	5225	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5529	24	13-Dec-2024
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6426	12	07-Feb-2025
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 SCU	TUV SUD	SPECTRUM_SCU_CA	6754	0	06-Feb-2025

Table 57

O/P Mon - Output Monitored using calibrated equipment