TUV SUD Limited
Digitally signed by TUV SUD Limited
Date: 2025.07.29 08:34:41 +01'00'

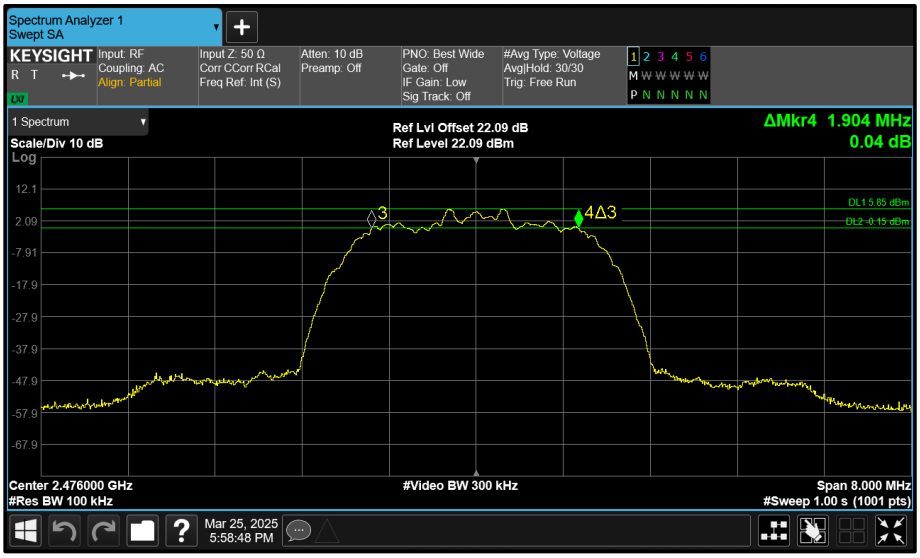

Figure 218 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 6.9.2
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	1.020	0.675	-	-	≥500.0
2441	0.675	1.020	-	-	≥500.0
2476	0.960	1.020	-	-	≥500.0

Table 55 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	4.710	4.605	-	-	-
2441	4.710	4.635	-	-	-
2476	4.695	4.635	-	-	-

Table 56 - 99% Bandwidth Results

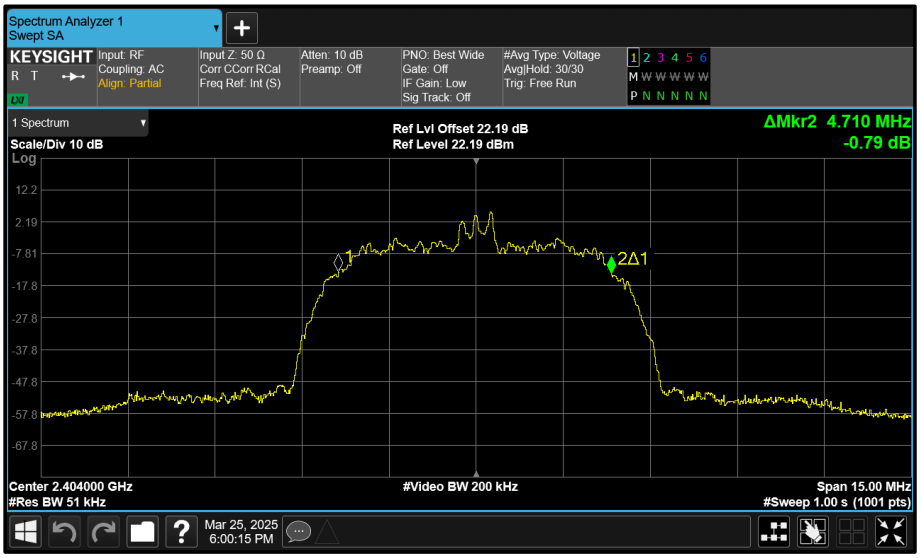

Figure 219 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

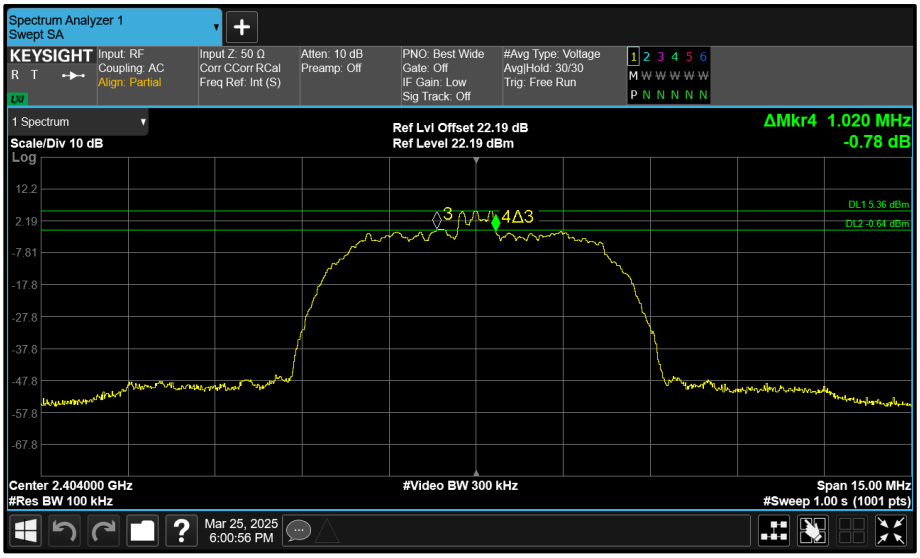

Figure 220 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

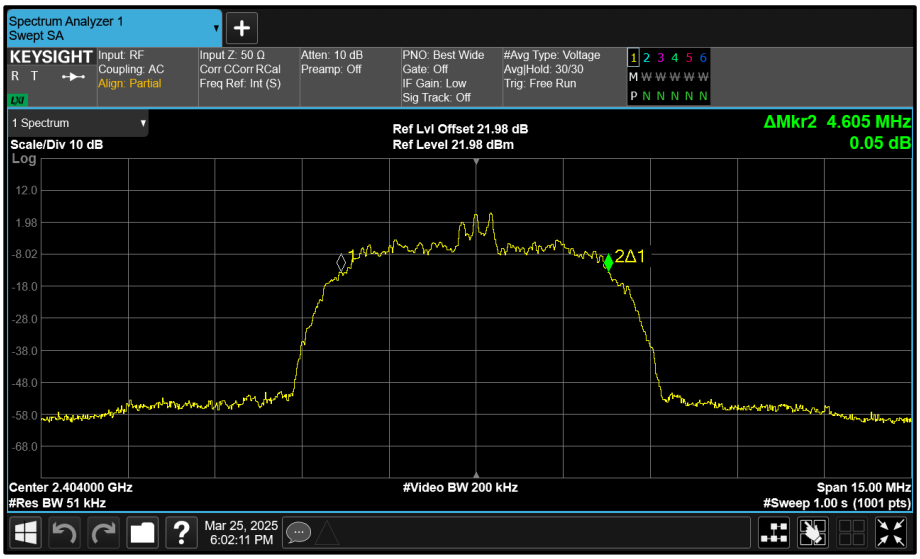

Figure 221 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

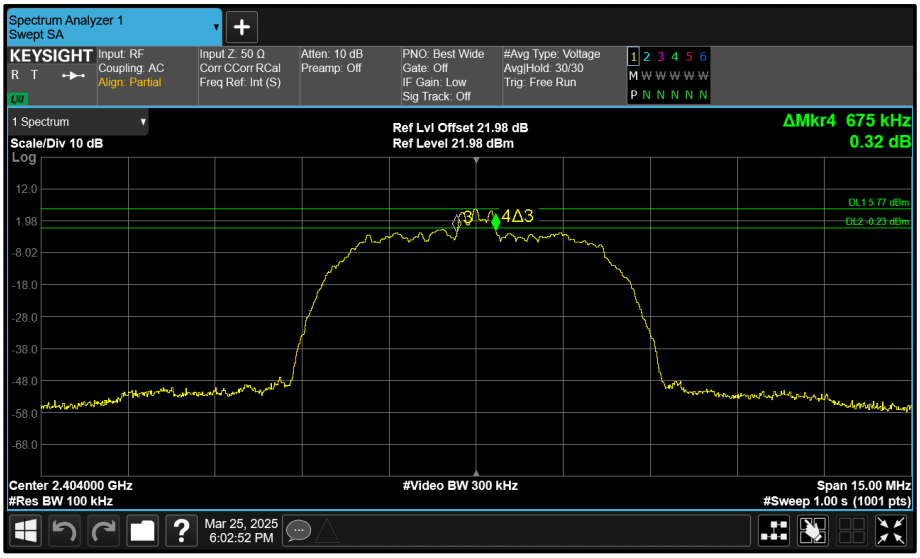

Figure 222 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

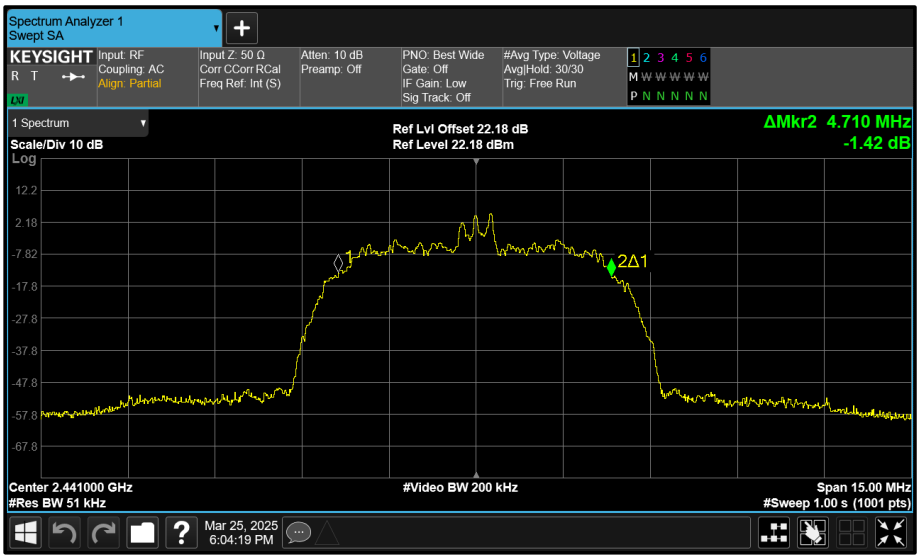

Figure 223 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

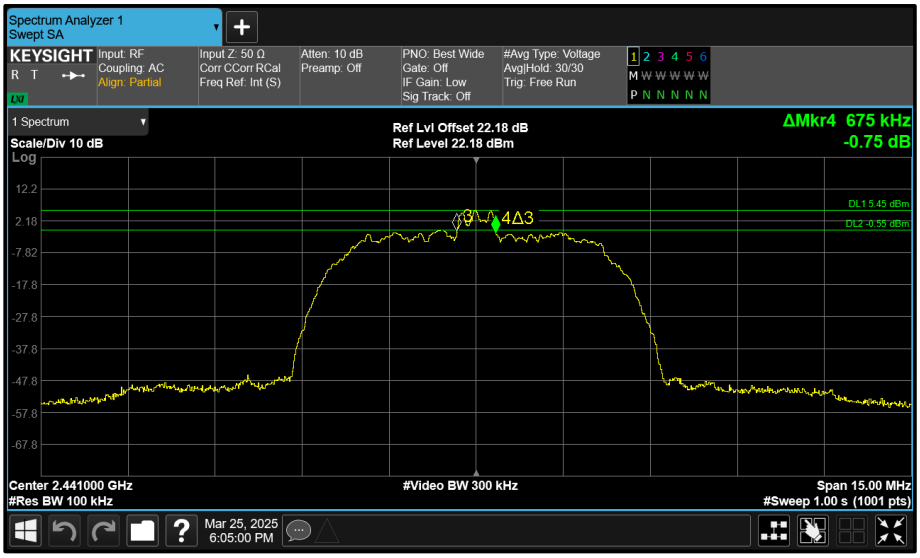

Figure 224 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

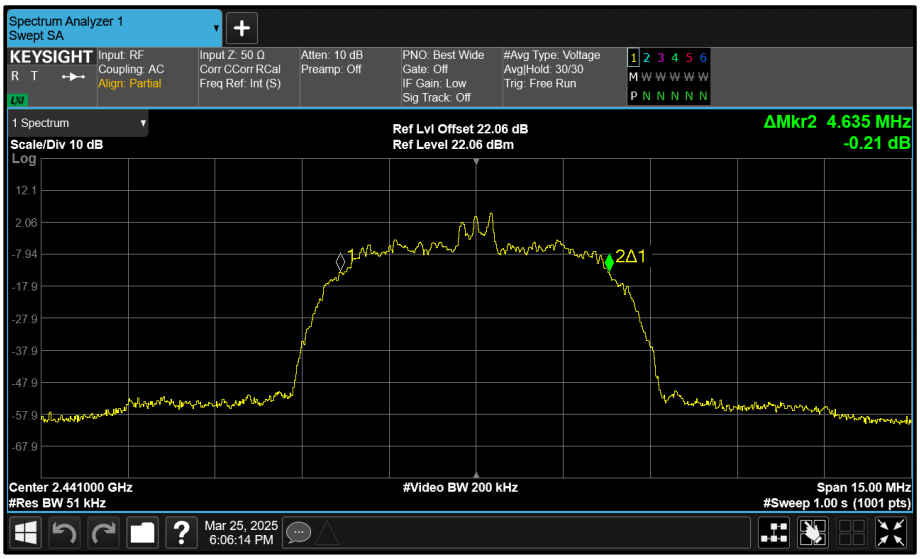

Figure 225 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

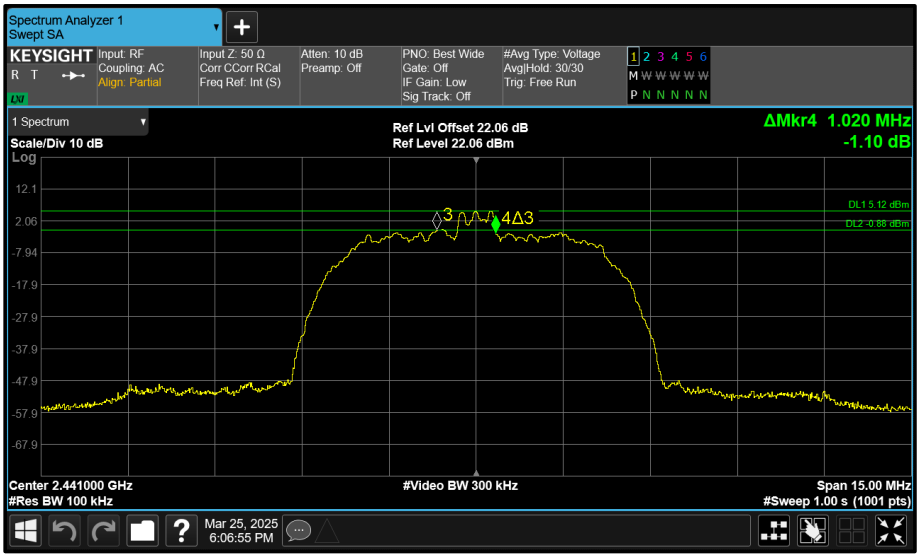

Figure 226 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

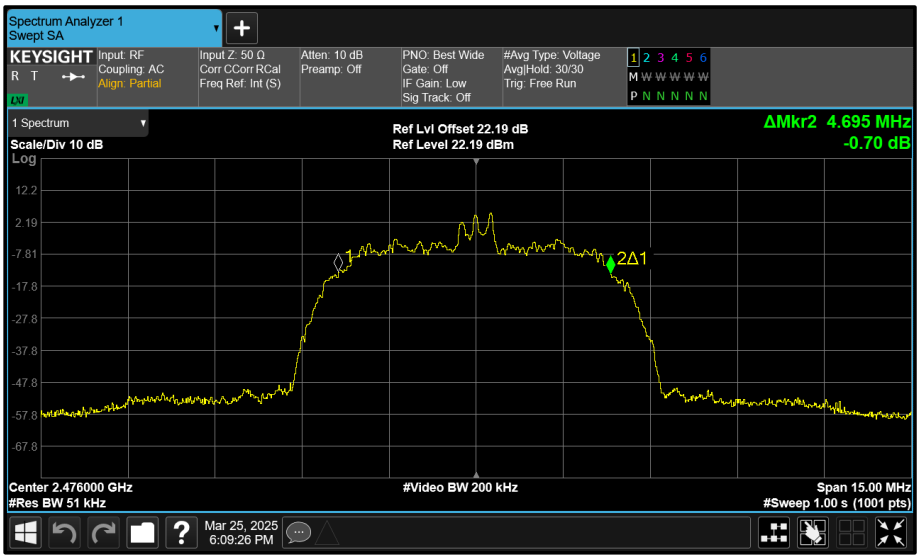

Figure 227 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

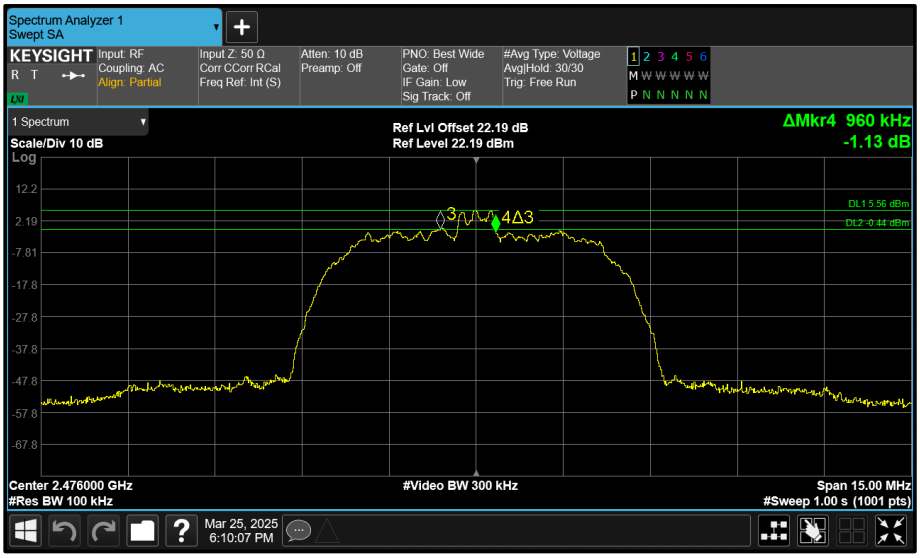

Figure 228 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

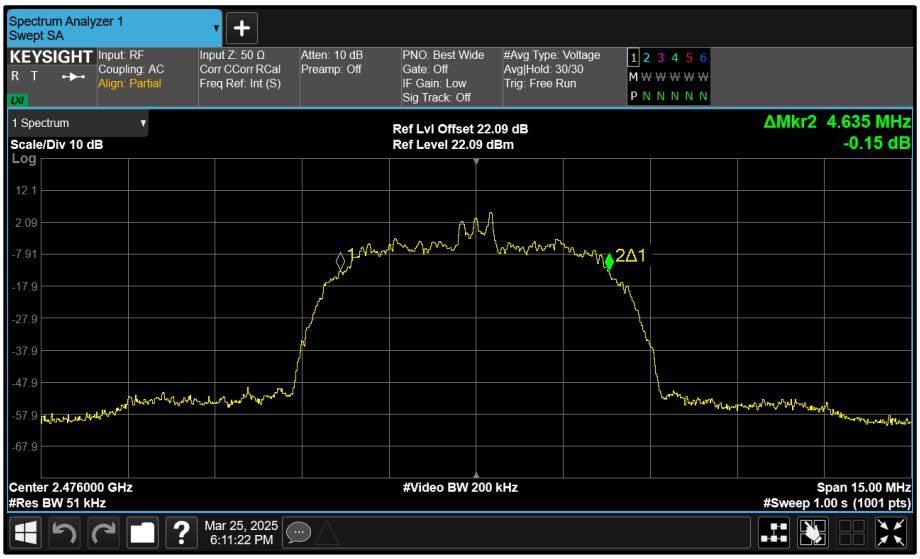

Figure 229 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

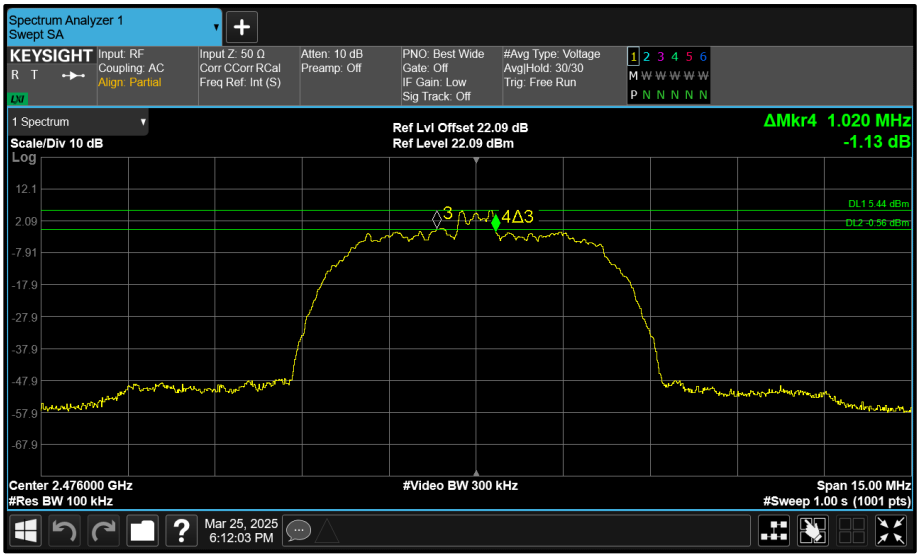

Figure 230 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 6.9.2
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	0.704	0.660	-	-	≥500.0
2440	0.704	0.680	-	-	≥500.0
2480	0.700	0.700	-	-	≥500.0

Table 57 - 6 dB Bandwidth Results

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

Table 58 - 99% Bandwidth Results

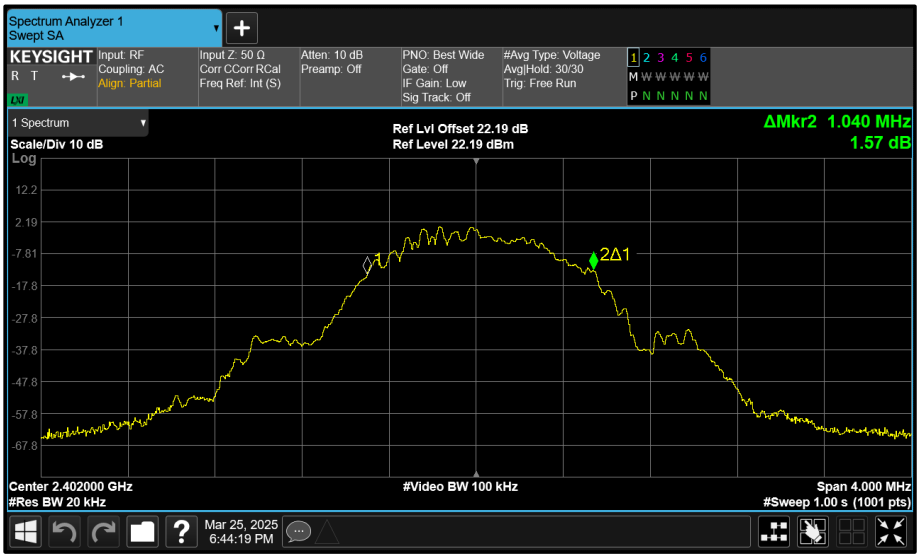

Figure 231 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

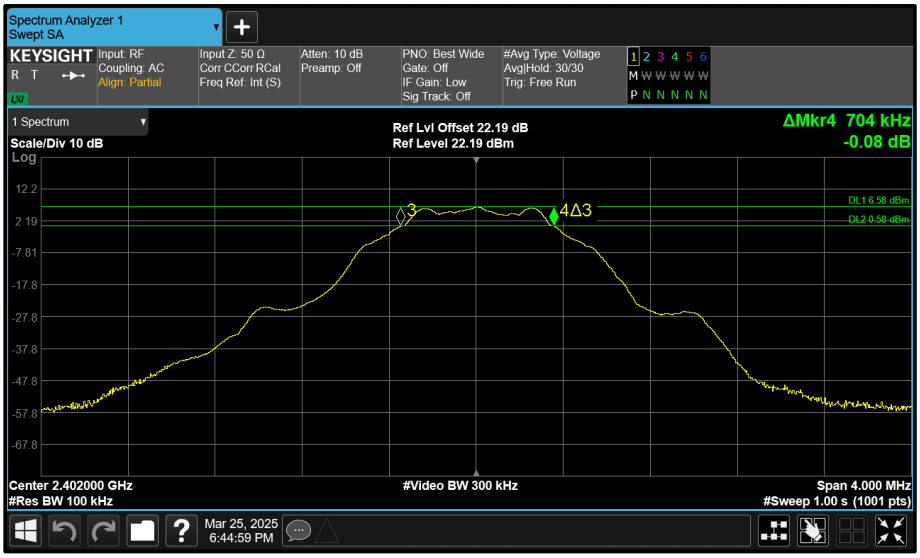

Figure 232 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

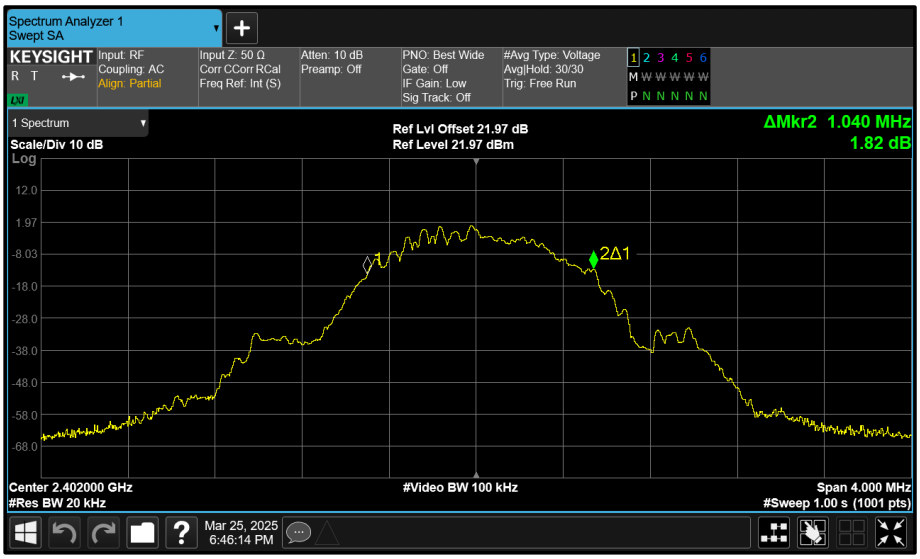

Figure 233 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

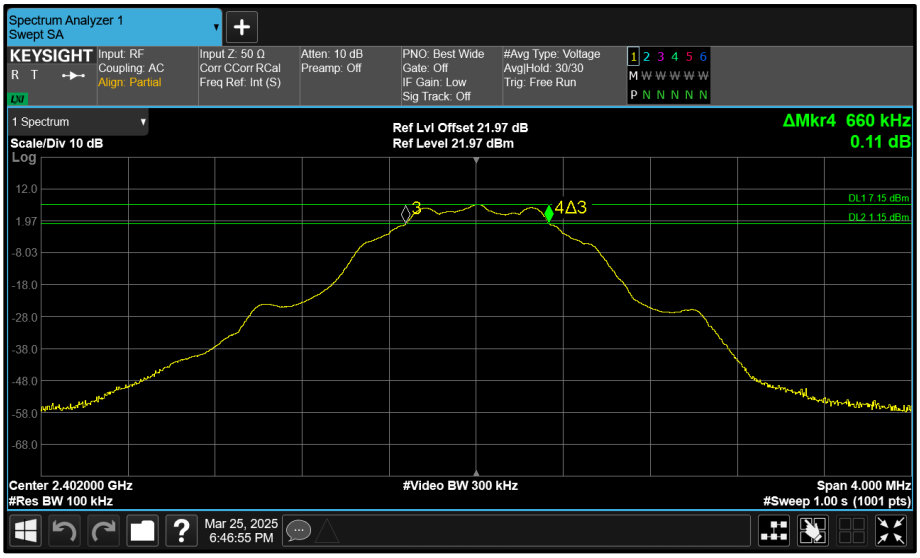

Figure 234 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

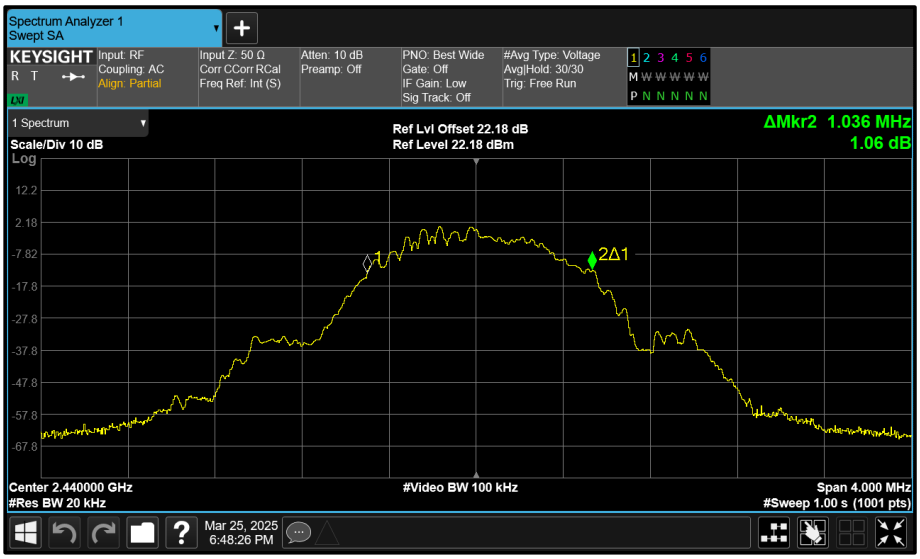

Figure 235 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

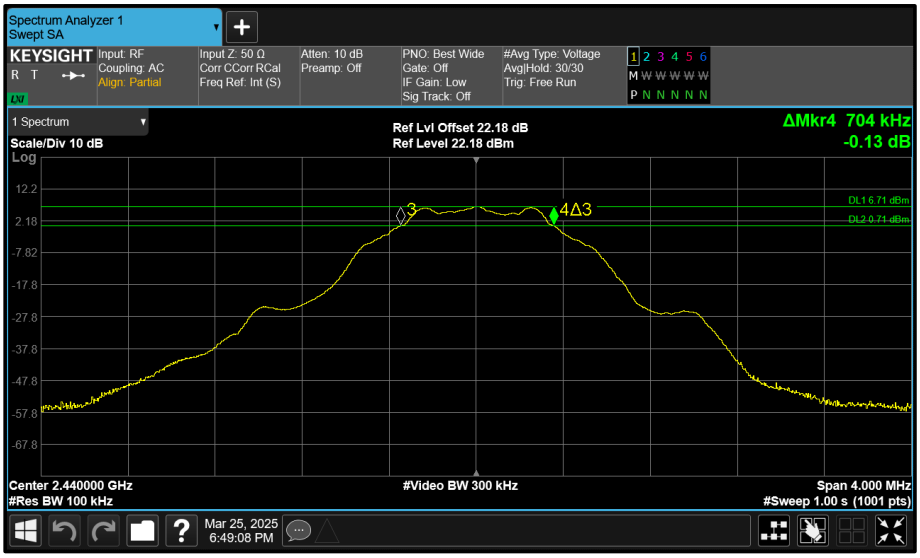

Figure 236 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

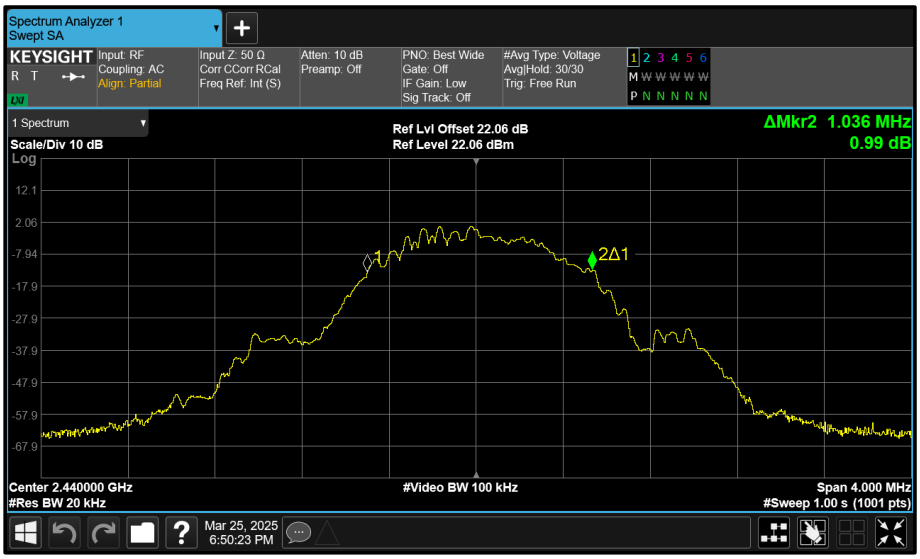

Figure 237 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

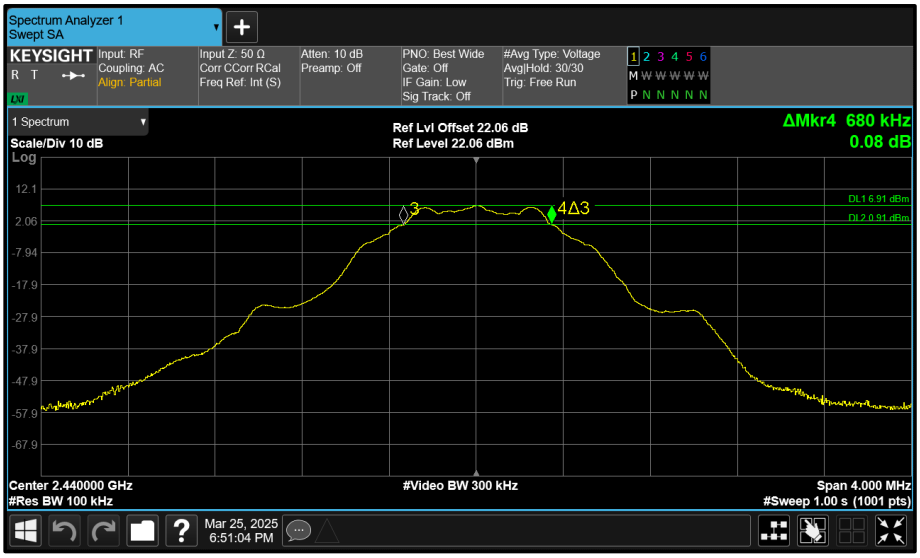

Figure 238 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

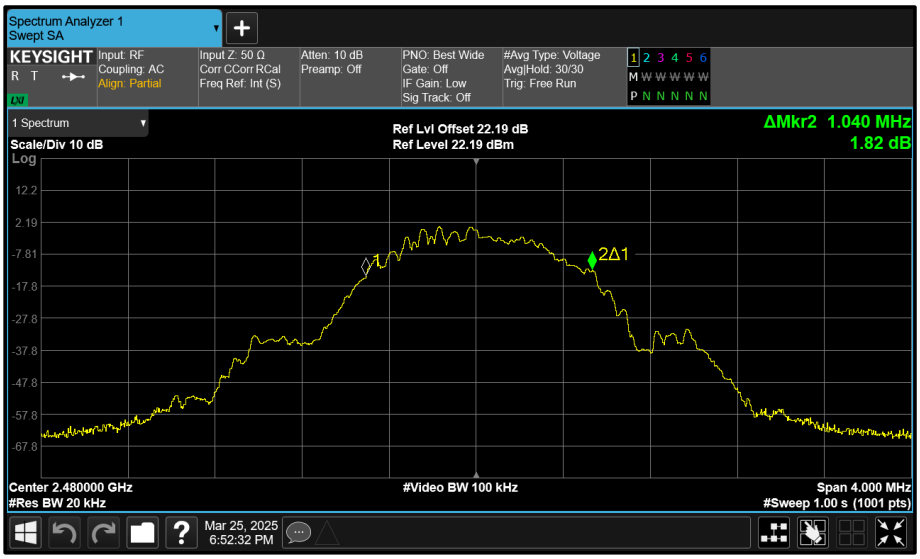

Figure 239 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

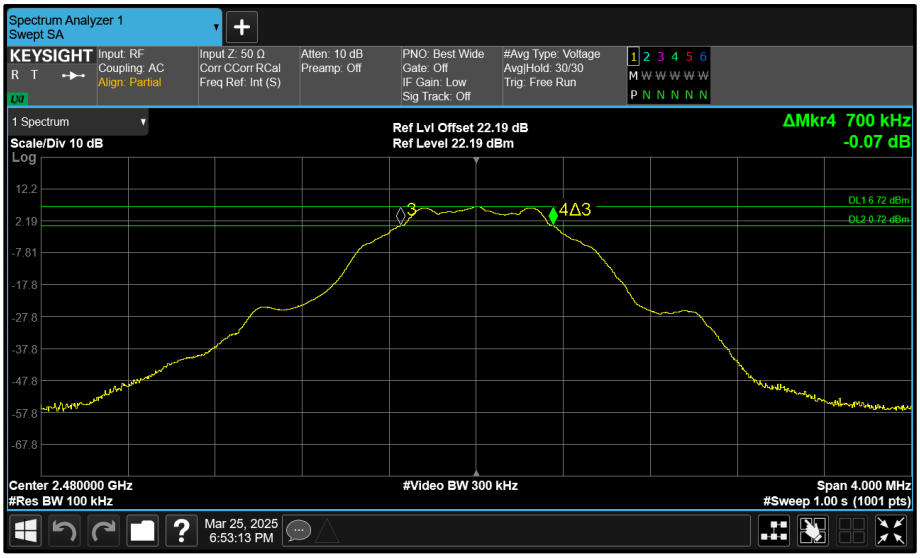

Figure 240 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

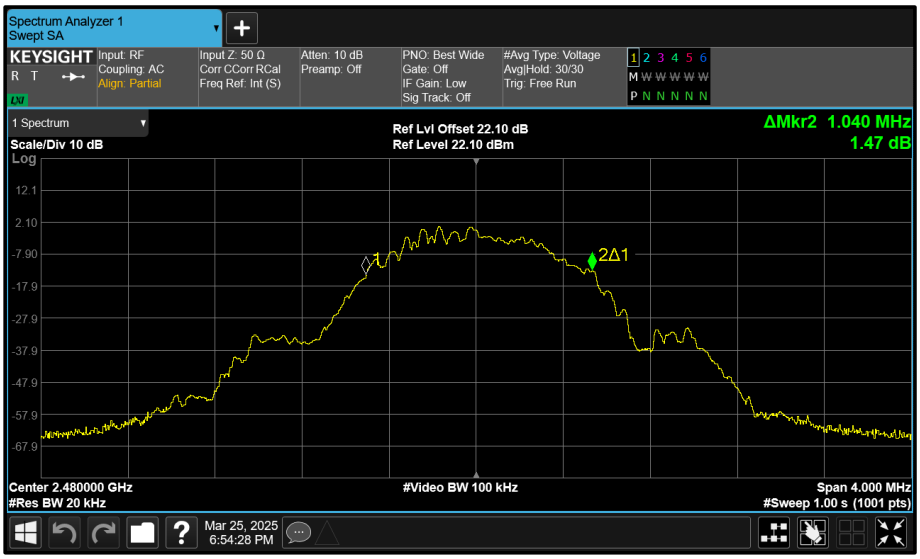

Figure 241 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

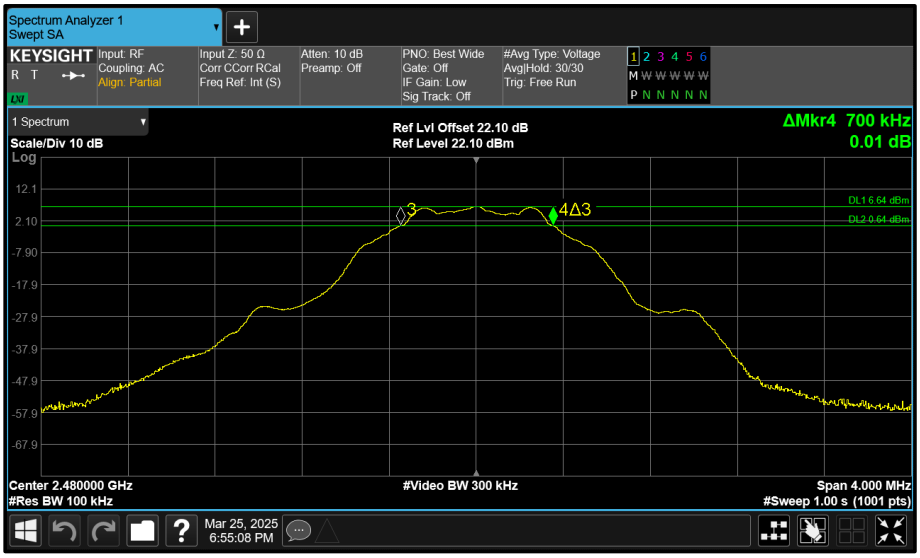

Figure 242 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

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 6.9.2
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	1.256	1.160	-	-	≥500.0
2440	1.256	1.176	-	-	≥500.0
2480	1.256	1.256	-	-	≥500.0

Table 59 - 6 dB Bandwidth Results

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

Table 60 - 99% Bandwidth Results

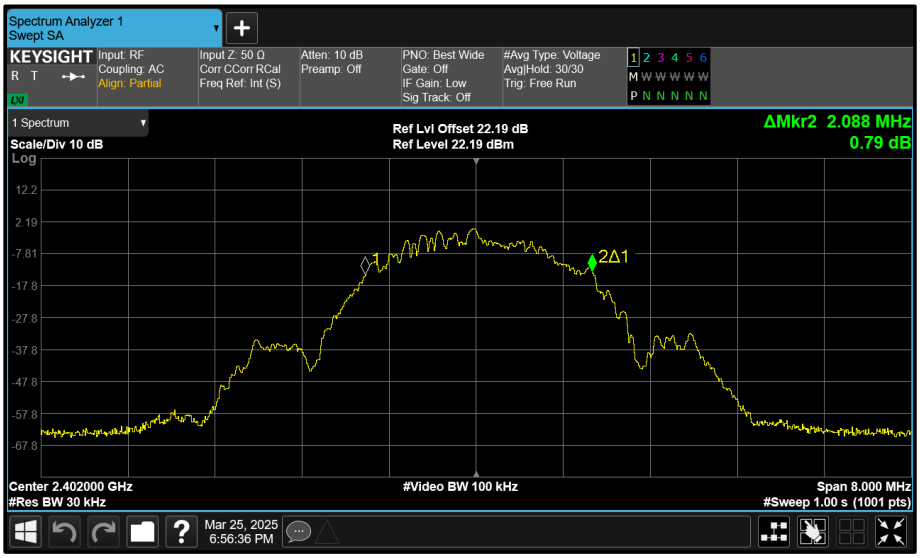

Figure 243 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

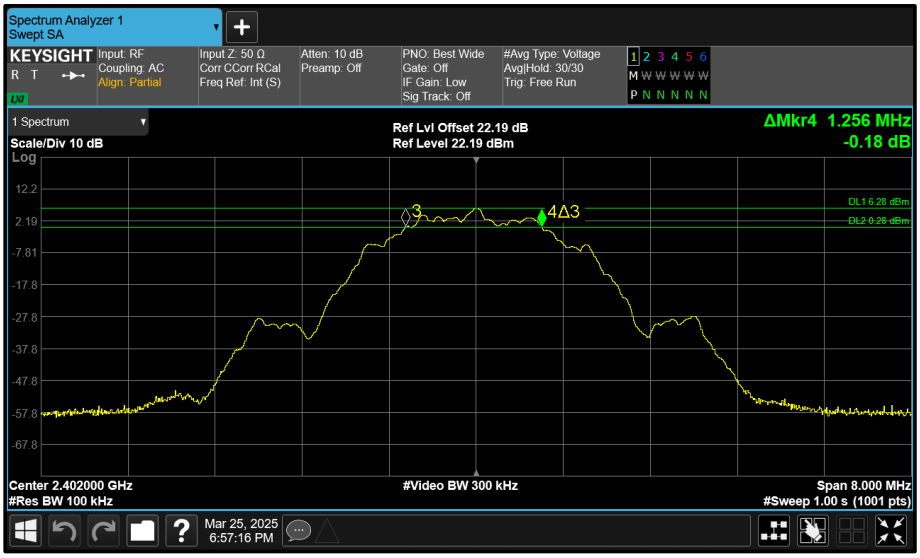

Figure 244 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

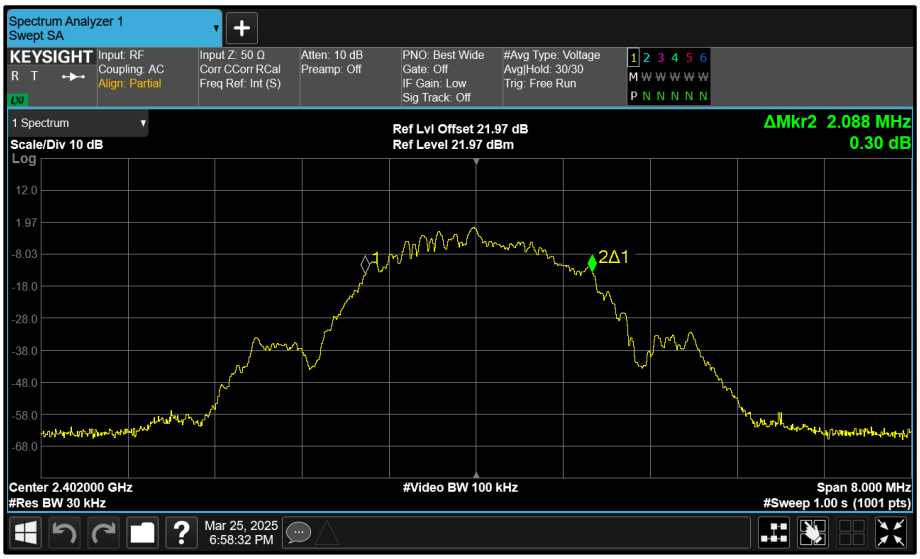

Figure 245 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

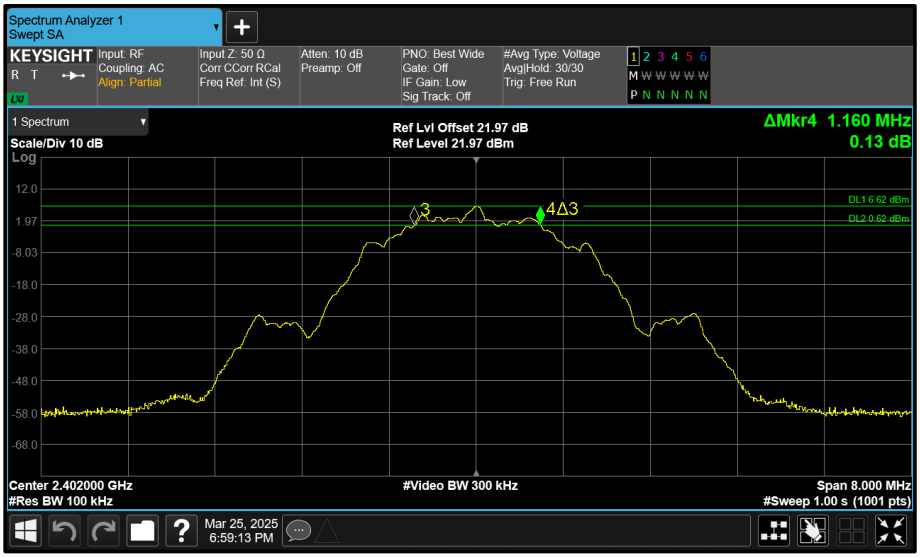

Figure 246 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

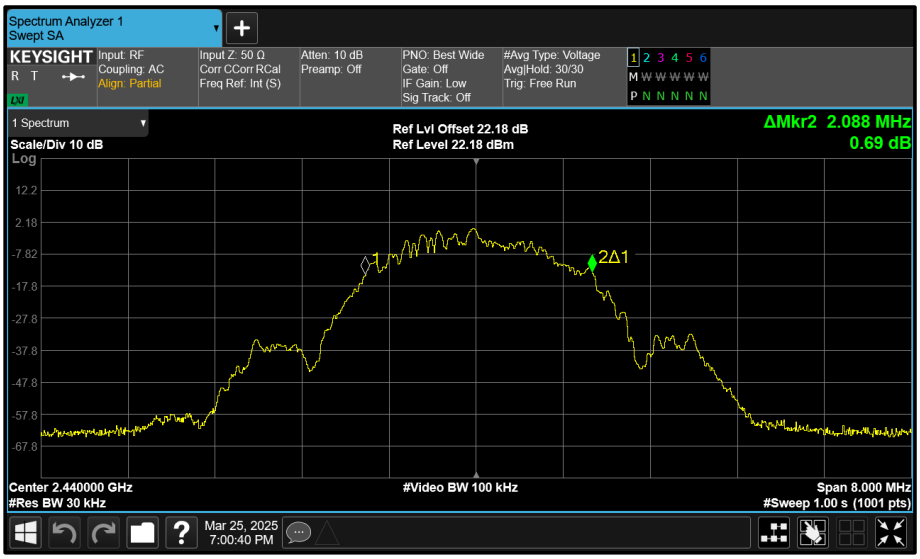

Figure 247 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

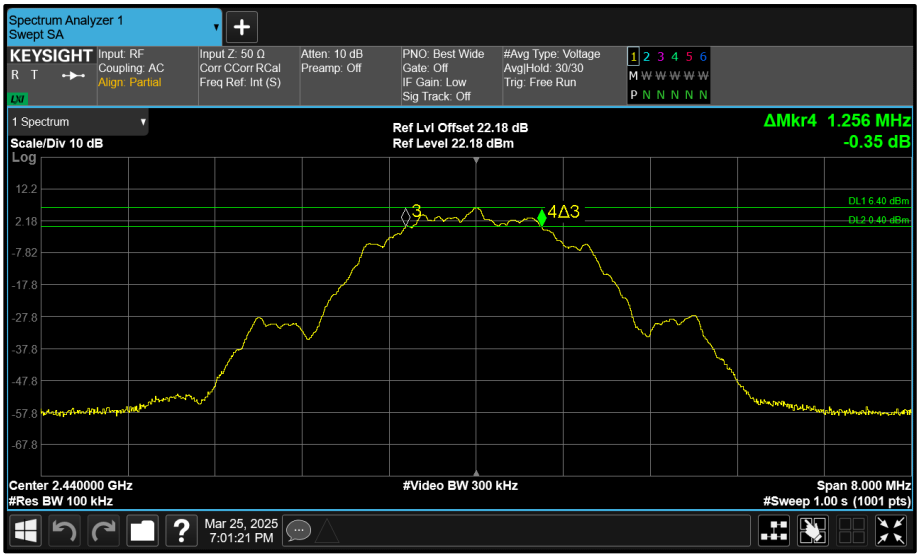

Figure 248 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

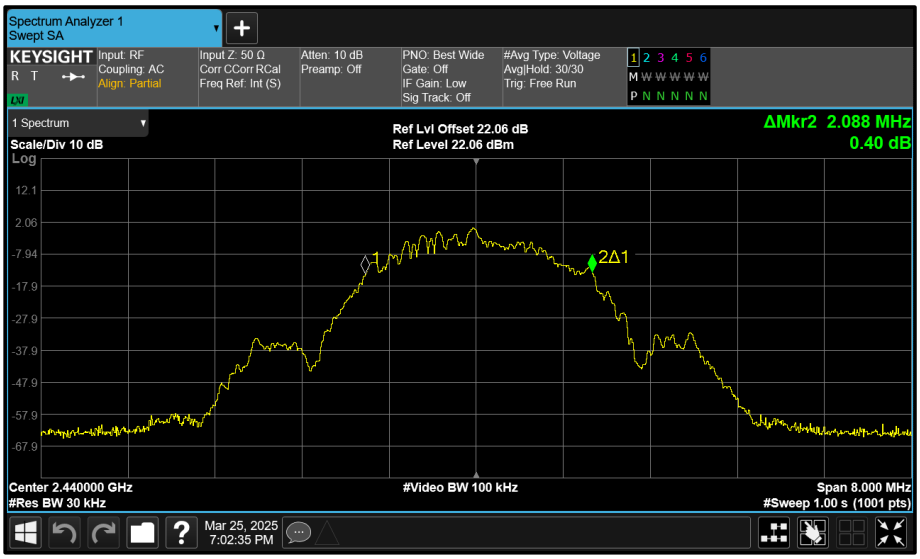

Figure 249 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

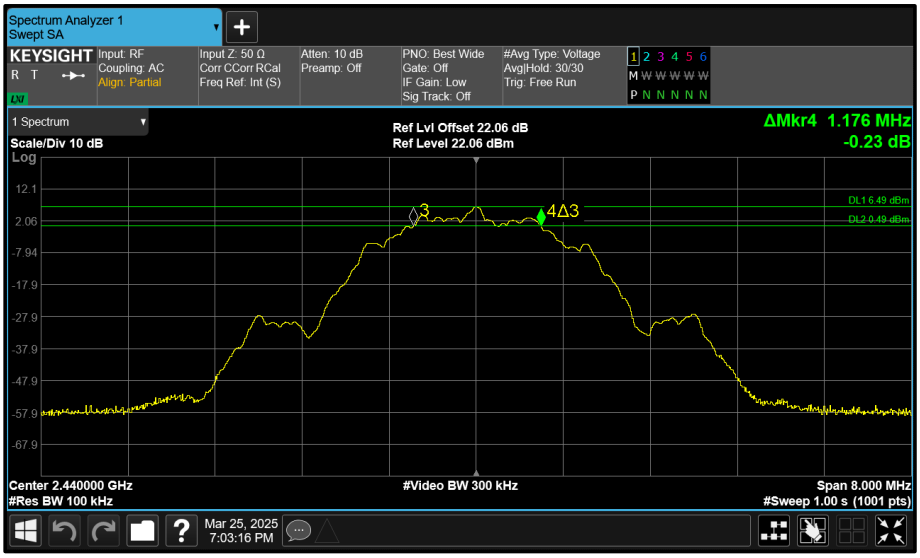

Figure 250 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

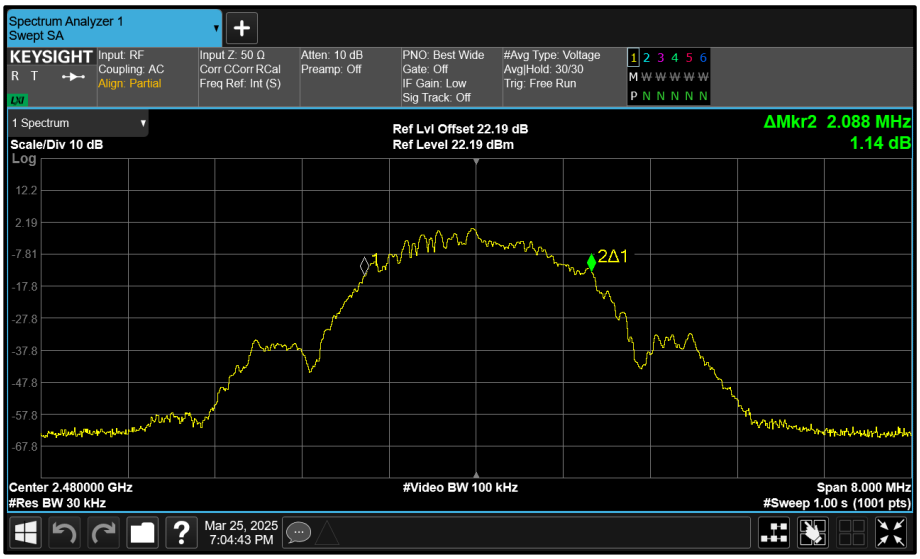

Figure 251 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

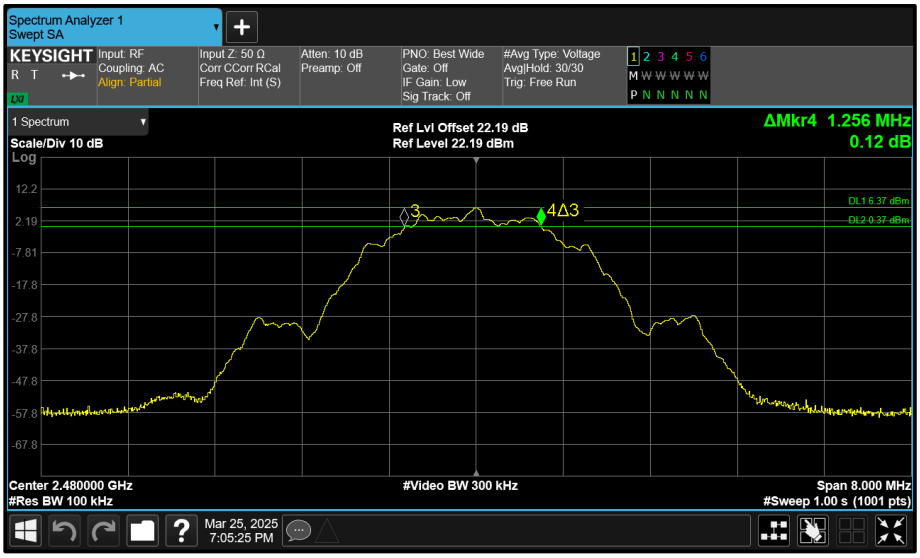

Figure 252 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

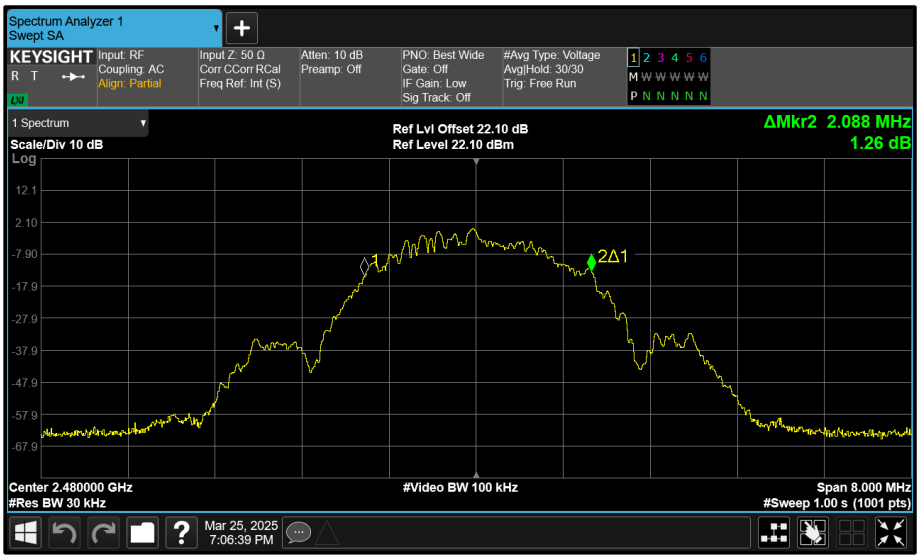

Figure 253 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

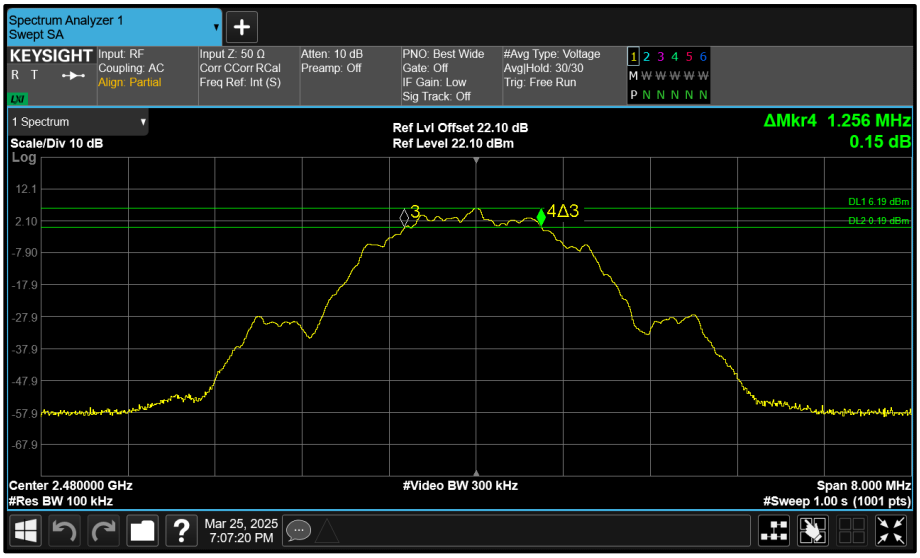

Figure 254 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

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 π/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)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.060	1.048	-	-	≥500.0
2441	1.060	1.056	-	-	≥500.0
2480	1.056	1.056	-	-	≥500.0

Table 61 - 6 dB Bandwidth Results

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

Table 62 - 99% Bandwidth Results

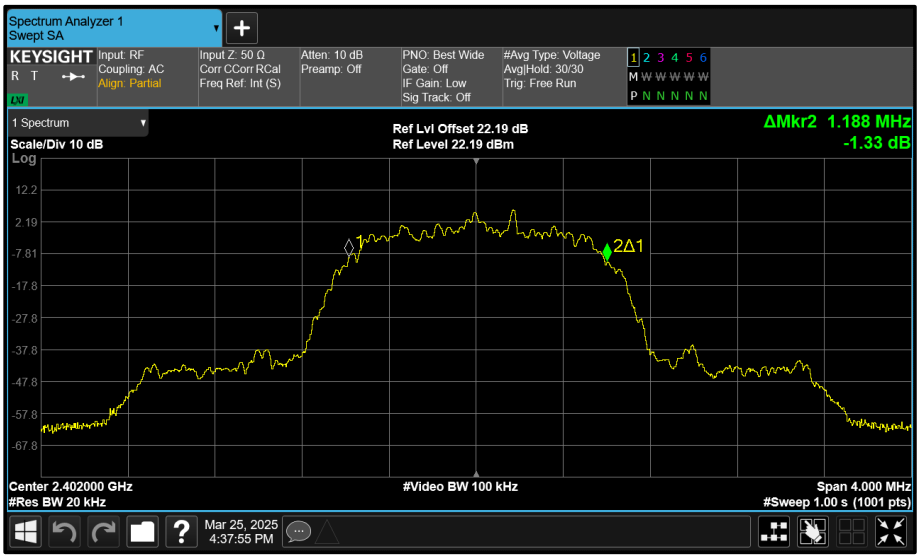

Figure 255 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth

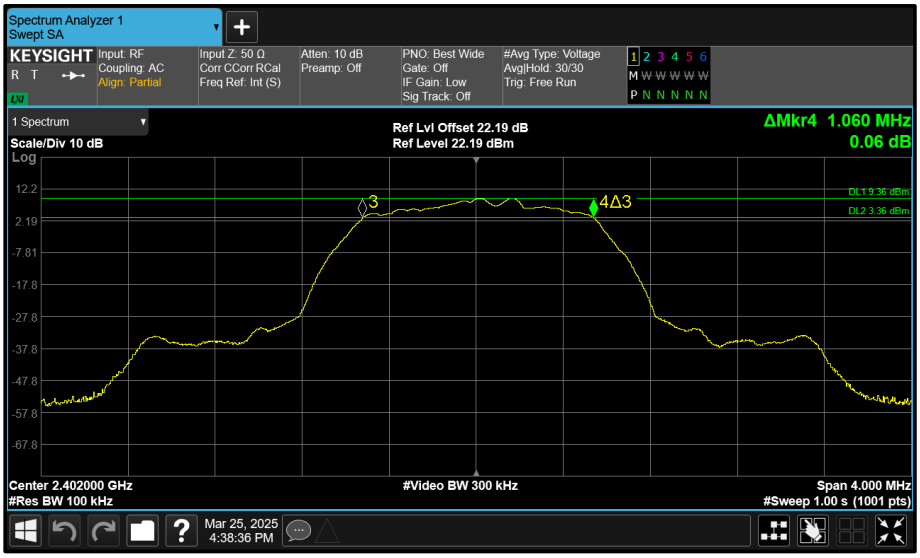

Figure 256 - Core 0 (A) 2402 MHz (CH0) 6 dB Bandwidth

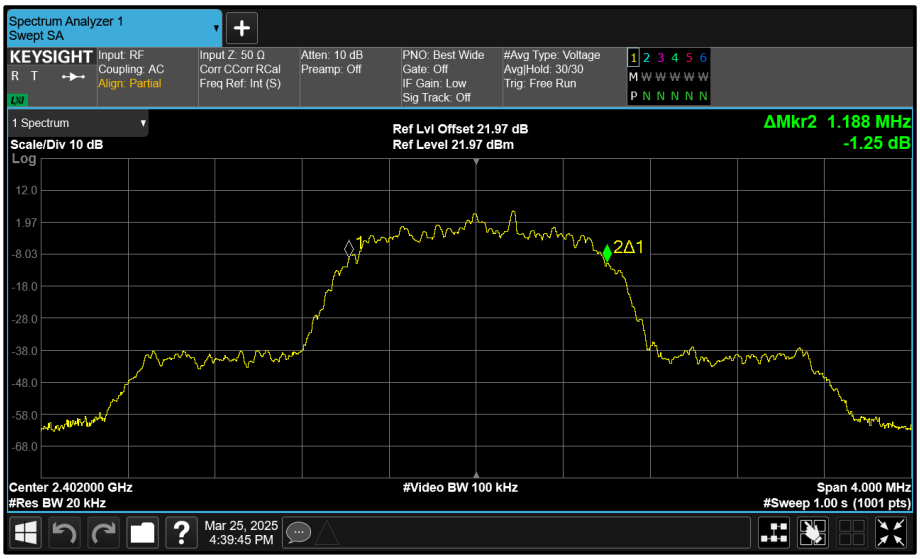

Figure 257 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth

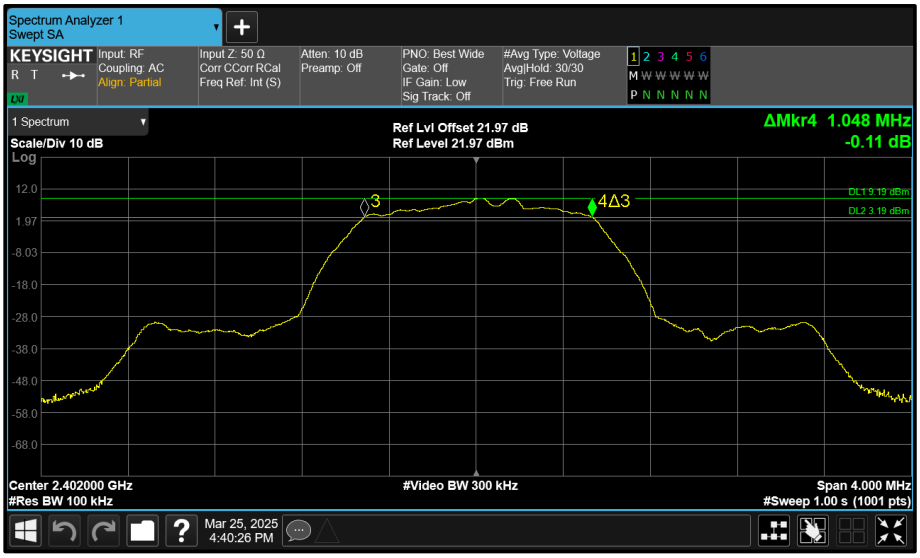

Figure 258 - Core 1 (B) 2402 MHz (CH0) 6 dB Bandwidth

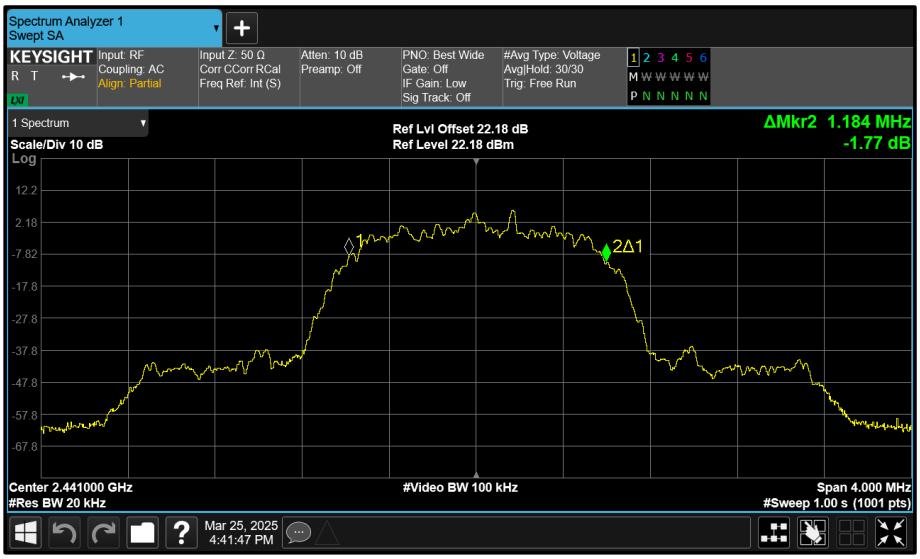

Figure 259 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

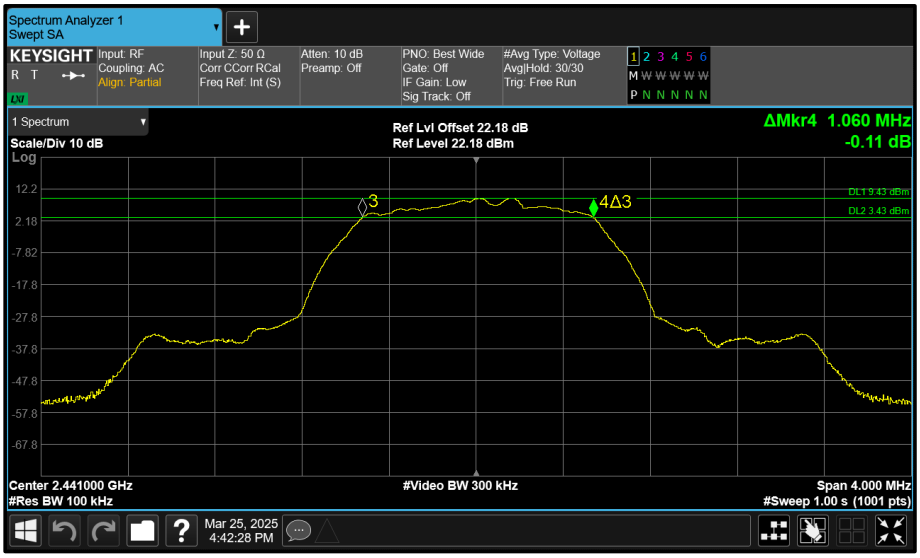

Figure 260 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

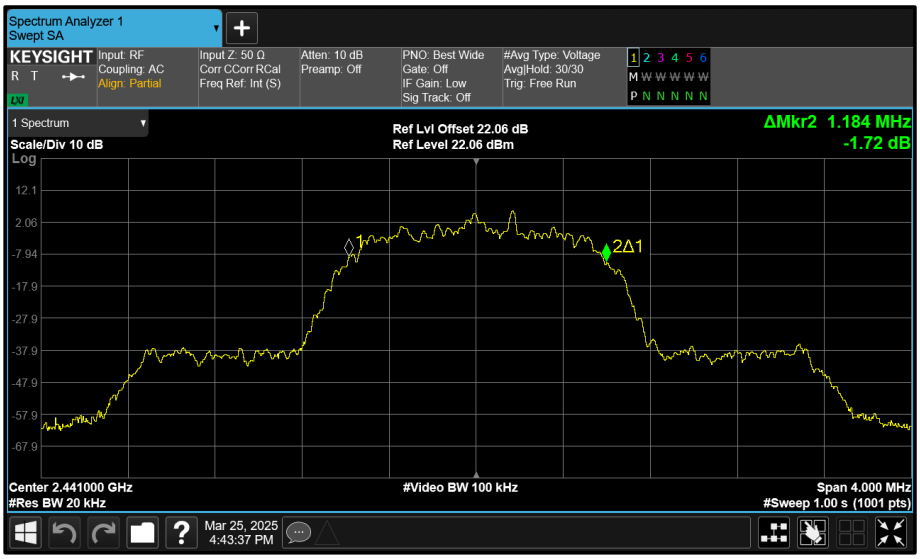

Figure 261 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

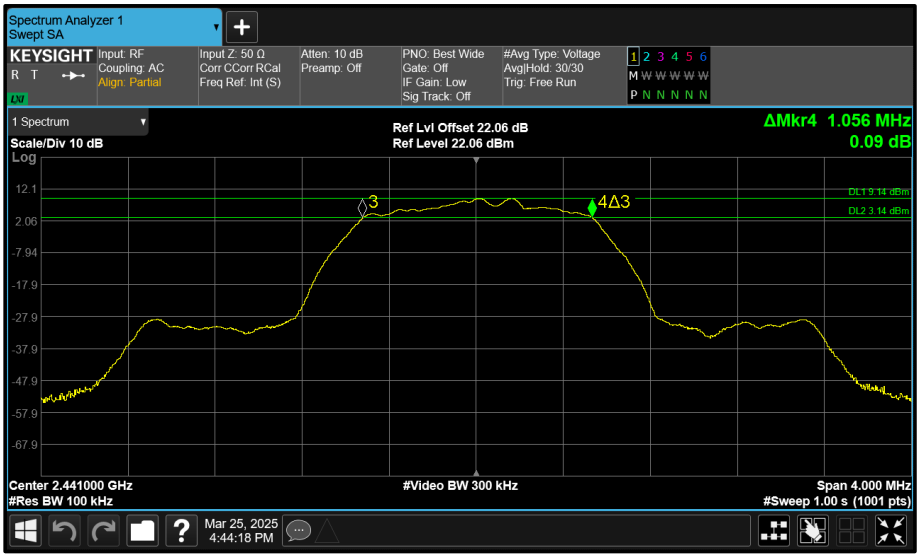

Figure 262 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

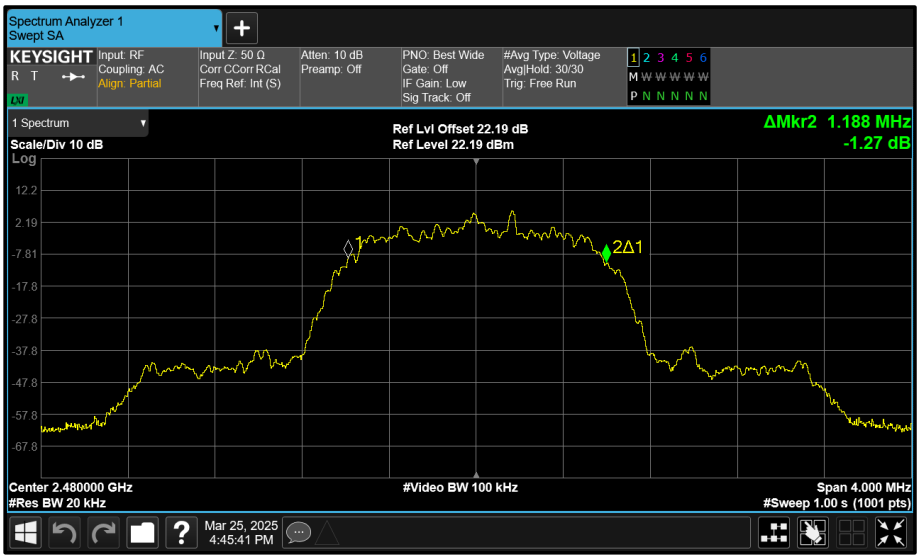

Figure 263 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

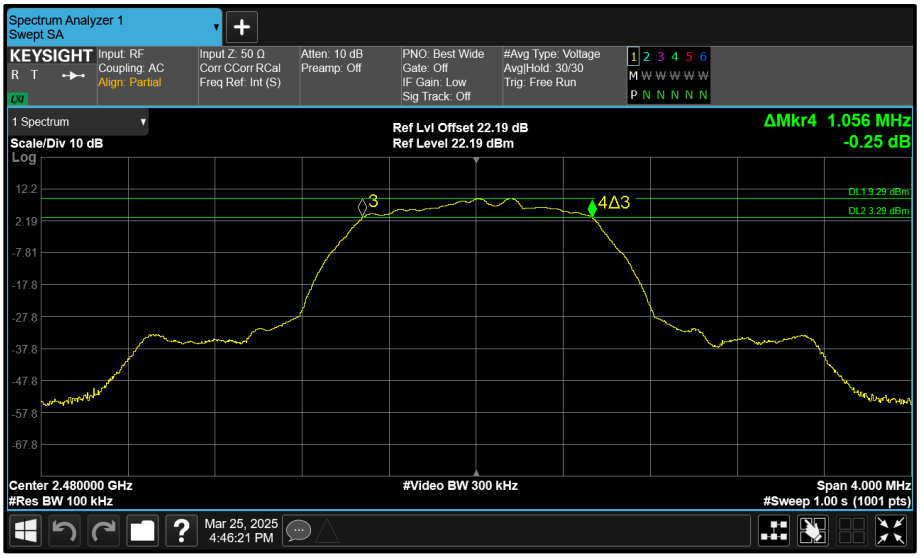

Figure 264 - Core 0 (A) 2480 MHz (CH78) 6 dB Bandwidth

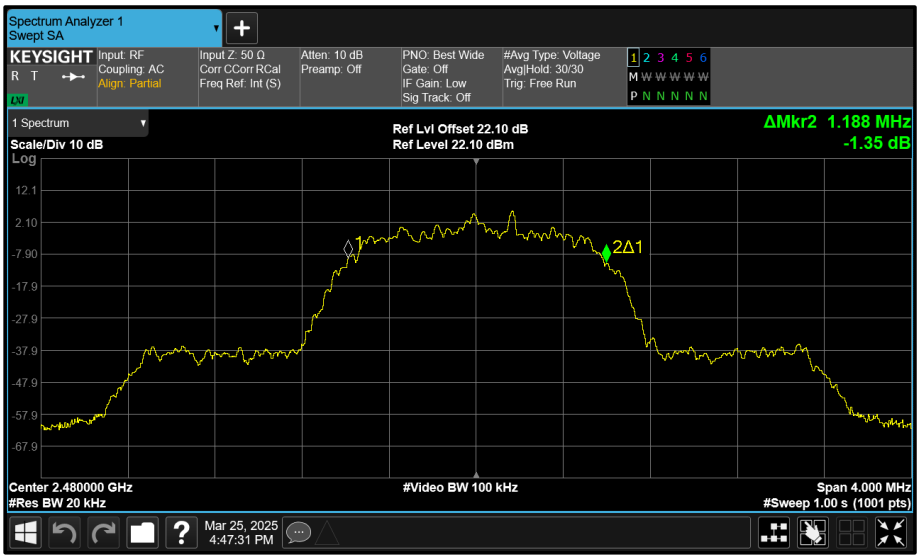

Figure 265 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth

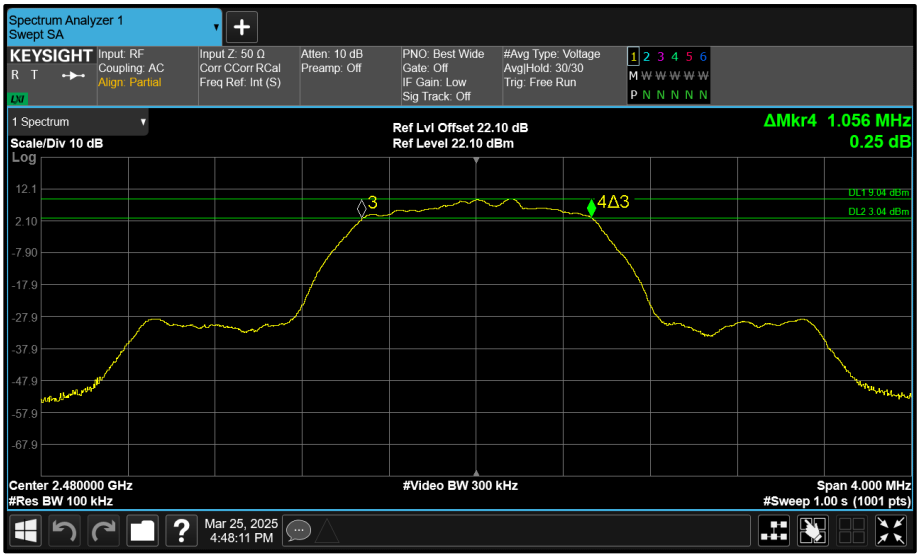

Figure 266 - Core 1 (B) 2480 MHz (CH78) 6 dB Bandwidth

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 8-DPSK (3-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	
2402	1.056	1.048	-	-	≥500.0
2441	1.056	1.056	-	-	≥500.0
2480	1.056	1.052	-	-	≥500.0

Table 63 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.192	1.192	-	-	-
2441	1.188	1.196	-	-	-
2480	1.192	1.196	-	-	-

Table 64 - 99% Bandwidth Results

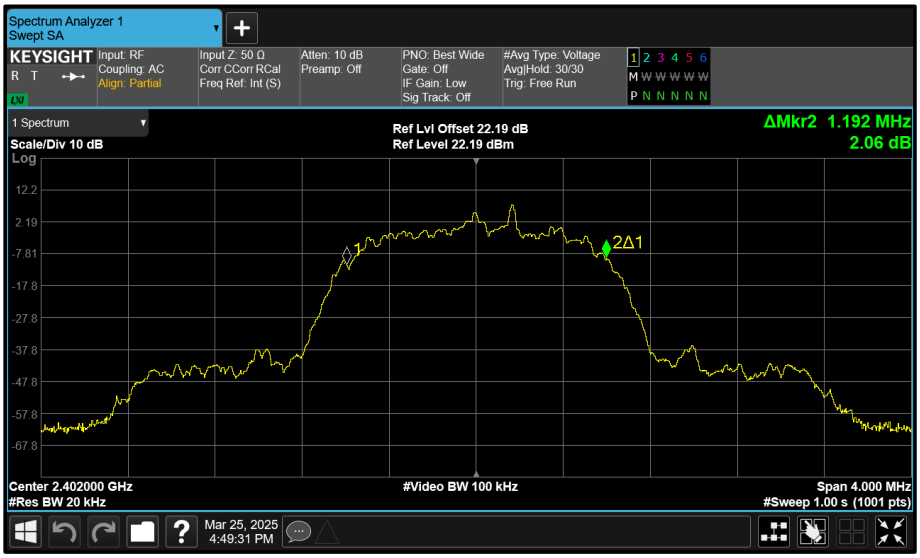

Figure 267 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth

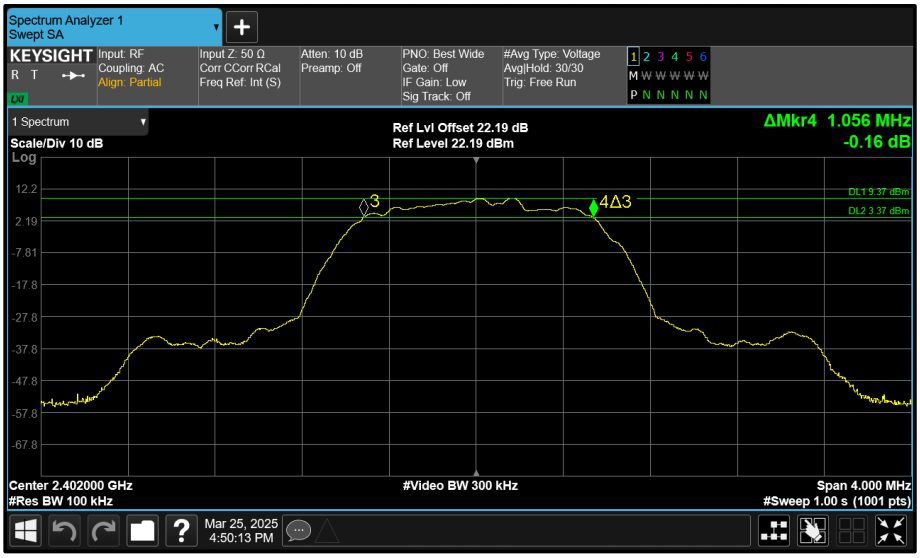

Figure 268 - Core 0 (A) 2402 MHz (CH0) 6 dB Bandwidth

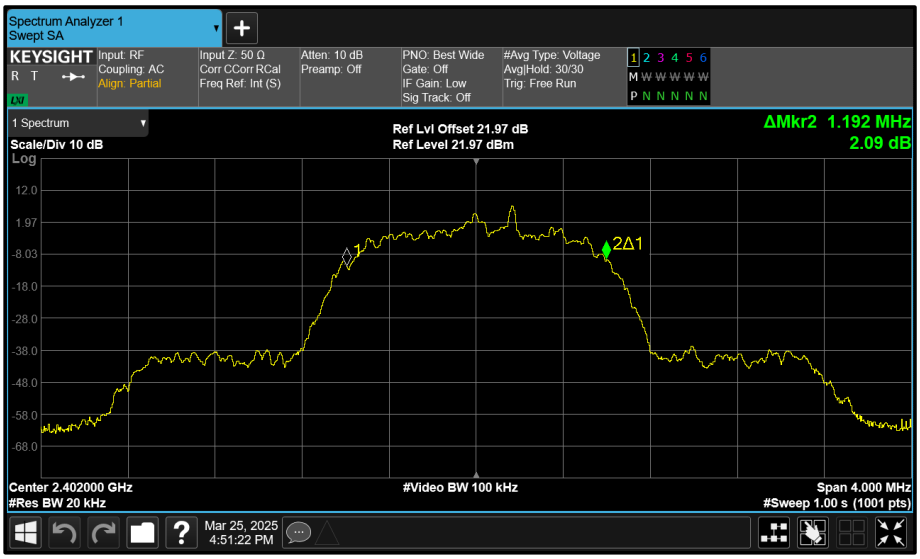

Figure 269 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth

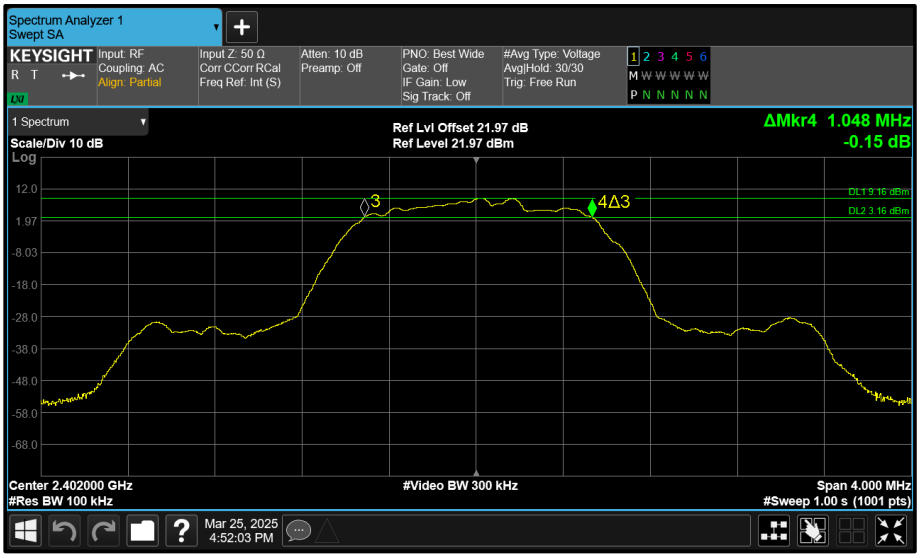

Figure 270 - Core 1 (B) 2402 MHz (CH0) 6 dB Bandwidth

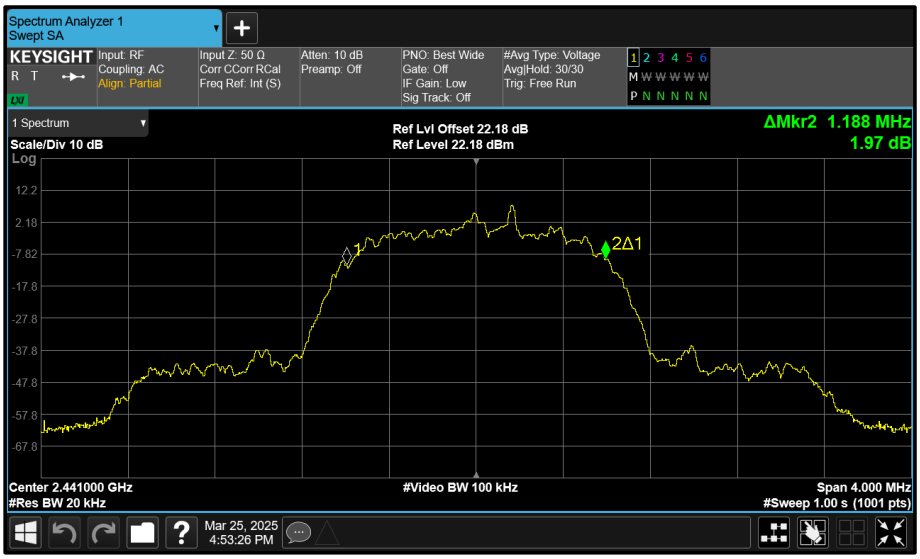

Figure 271 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

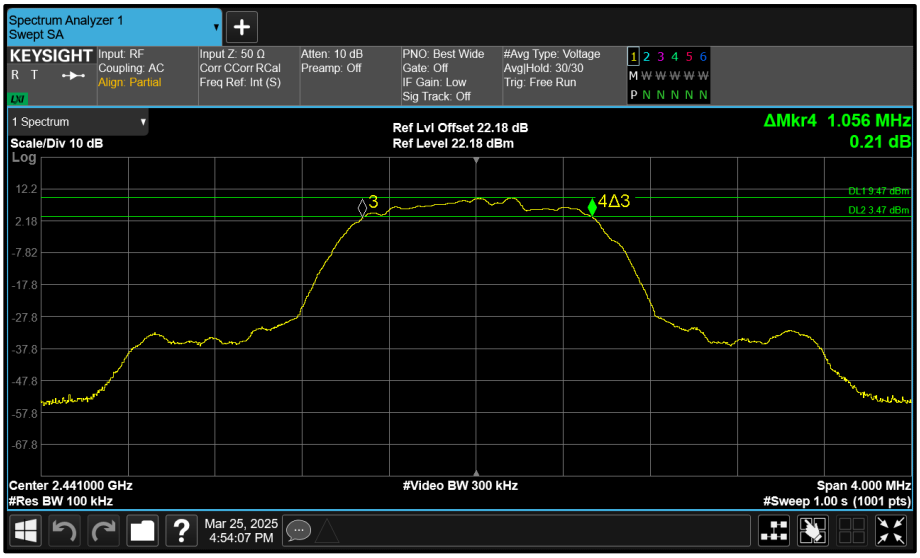

Figure 272 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

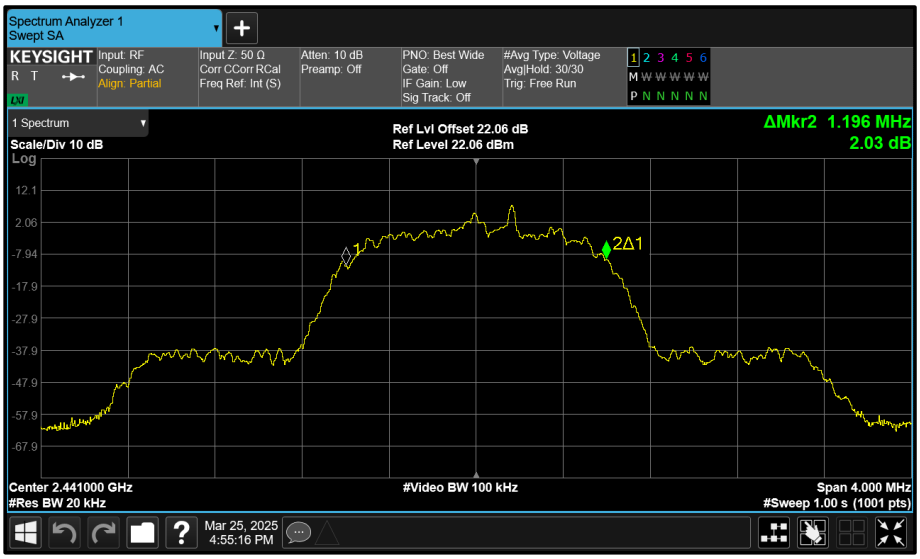

Figure 273 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

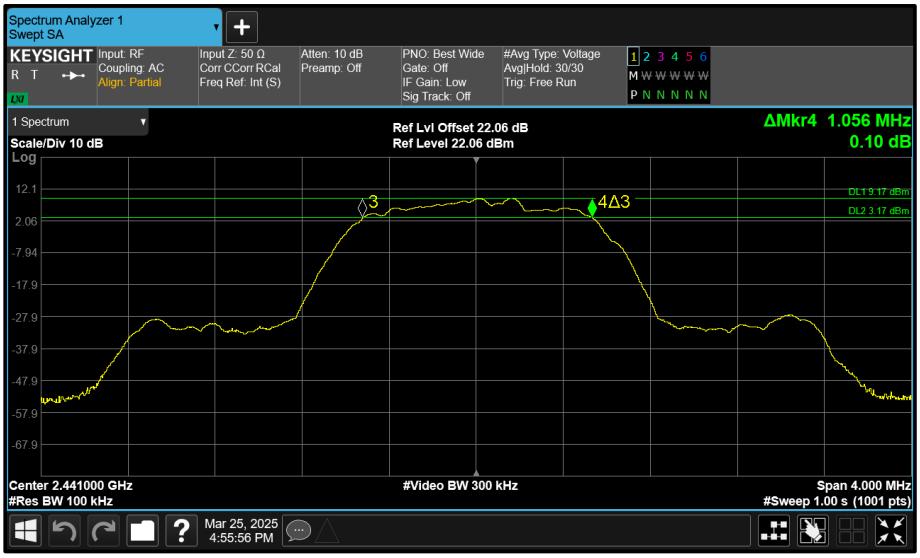

Figure 274 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

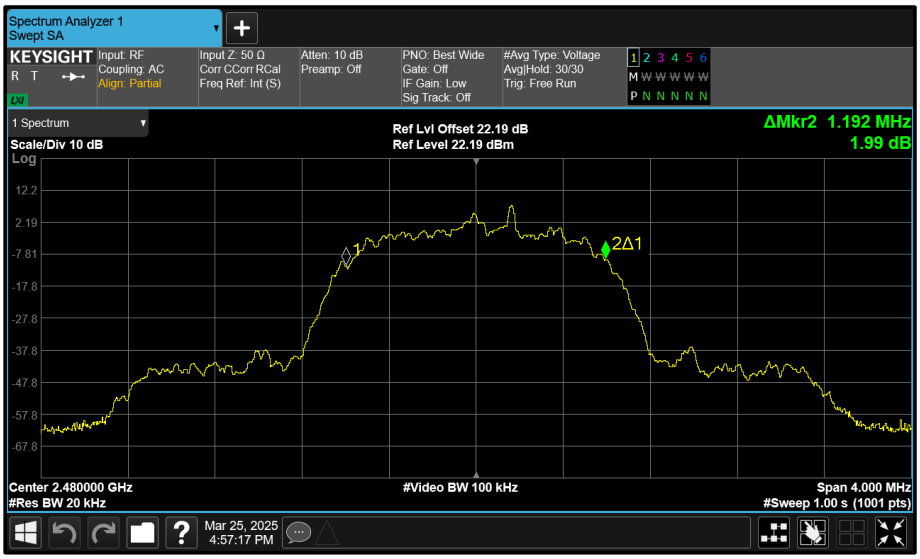

Figure 275 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

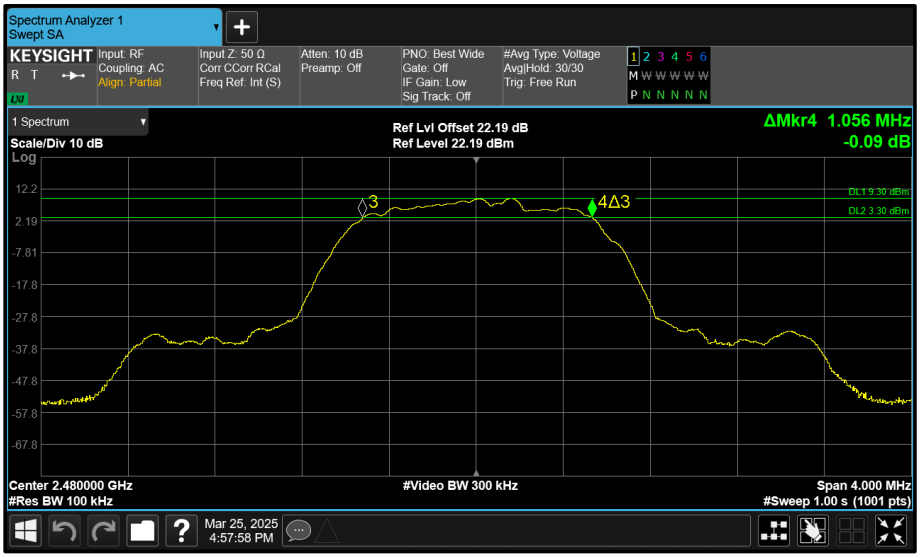

Figure 276 - Core 0 (A) 2480 MHz (CH78) 6 dB Bandwidth

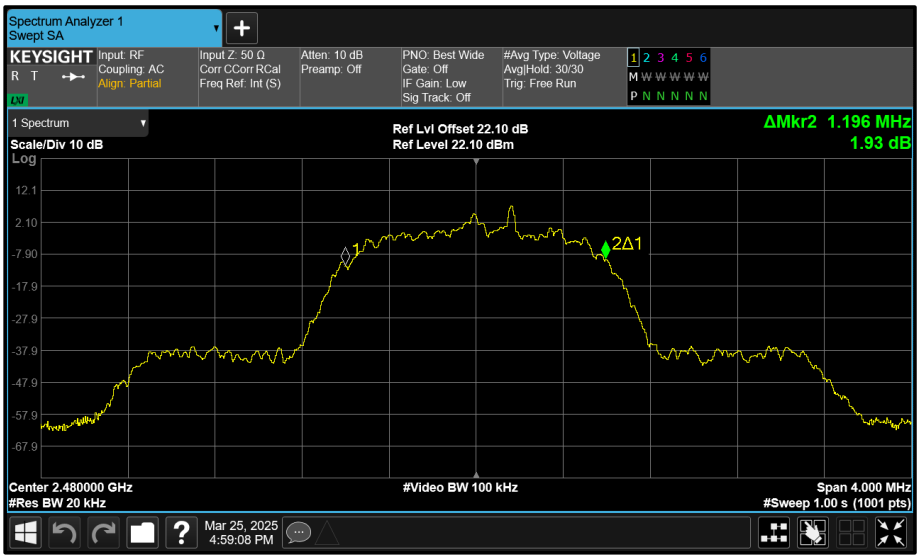

Figure 277 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth

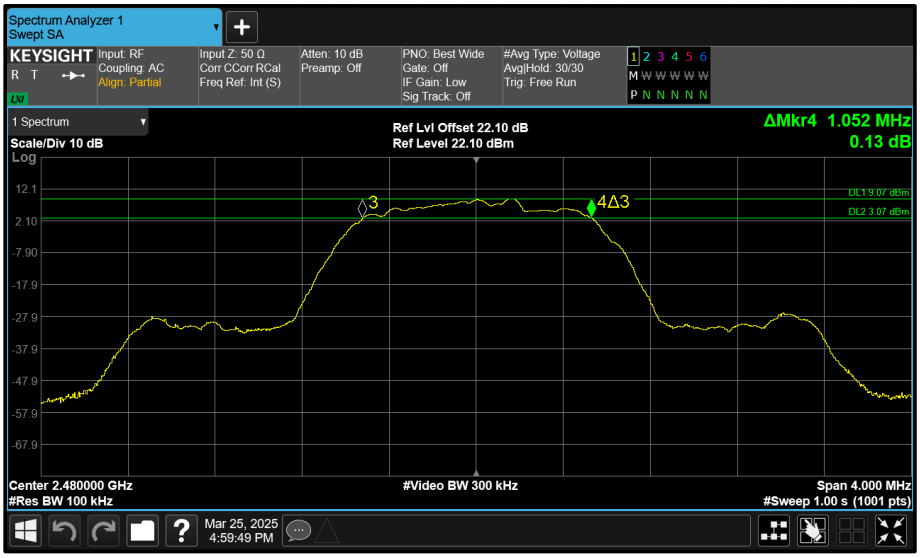

Figure 278 - Core 1 (B) 2480 MHz (CH78) 6 dB Bandwidth

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 6.9.2
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	1.888	-	-	≥500.0
2441	1.912	1.904	-	-	≥500.0
2476	1.904	1.896	-	-	≥500.0

Table 65 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	2.344	2.328	-	-	-
2441	2.344	2.328	-	-	-
2476	2.344	2.336	-	-	-

Table 66 - 99% Bandwidth Results

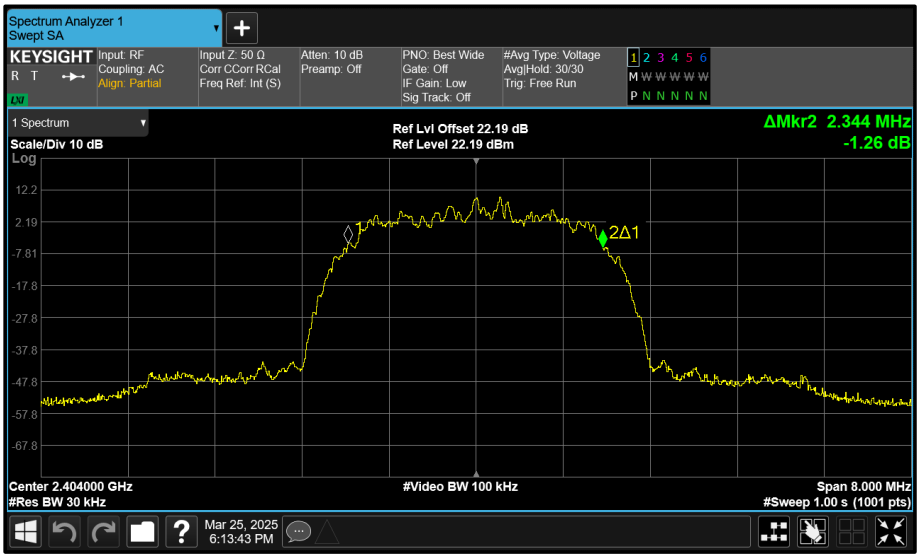

Figure 279 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

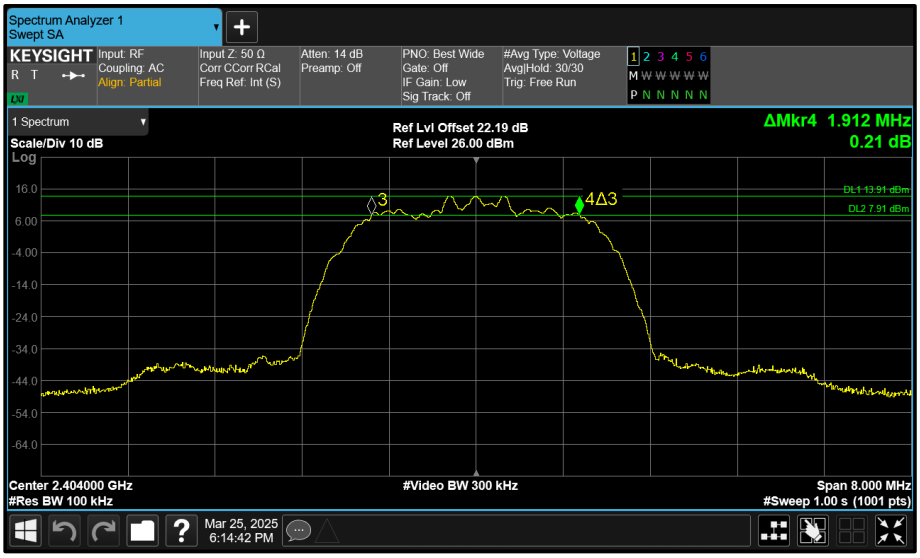

Figure 280 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

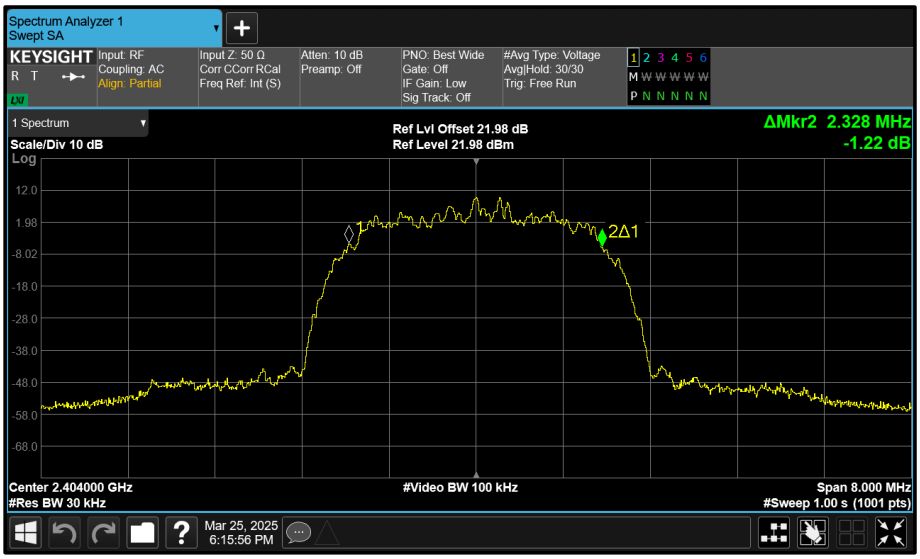

Figure 281 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

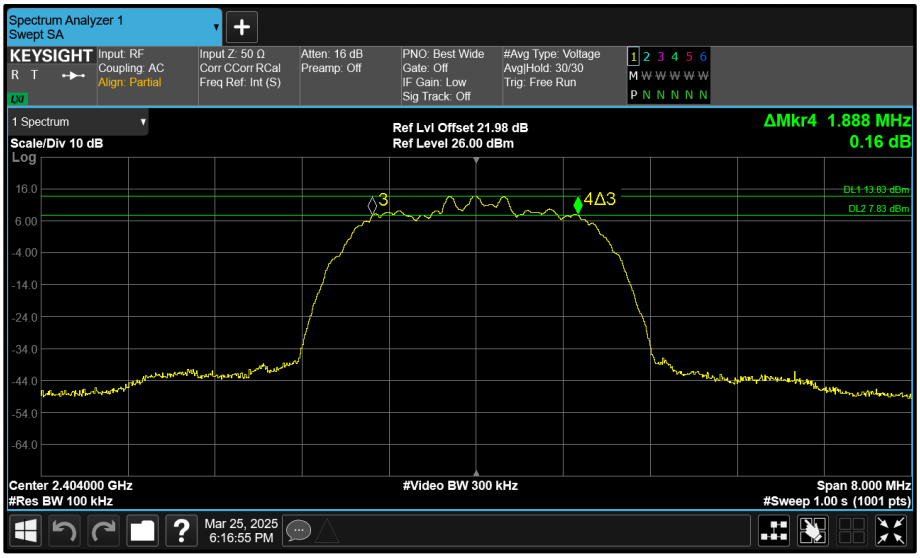

Figure 282 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

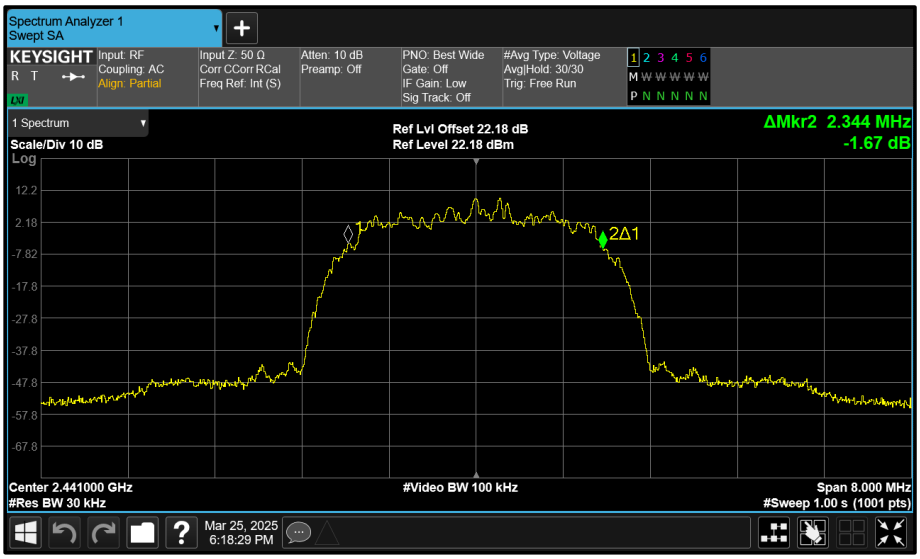

Figure 283 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

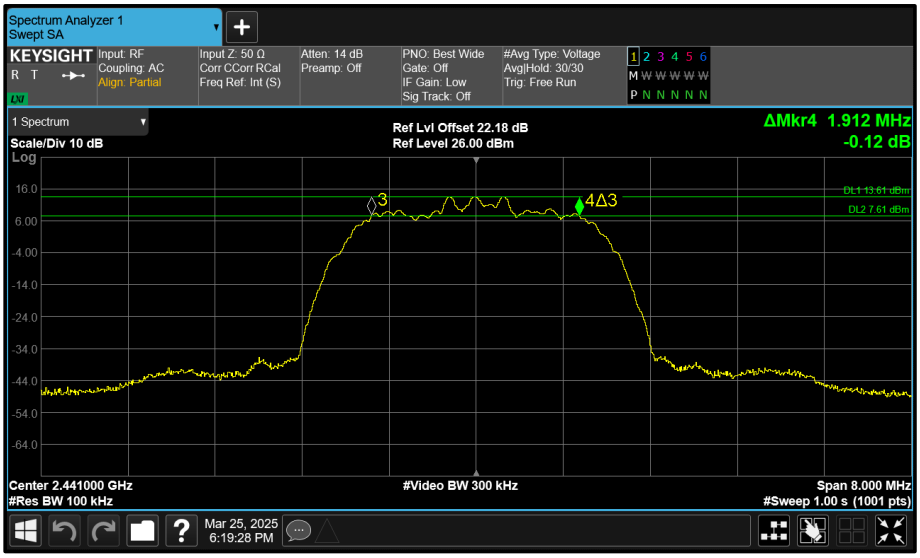

Figure 284 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

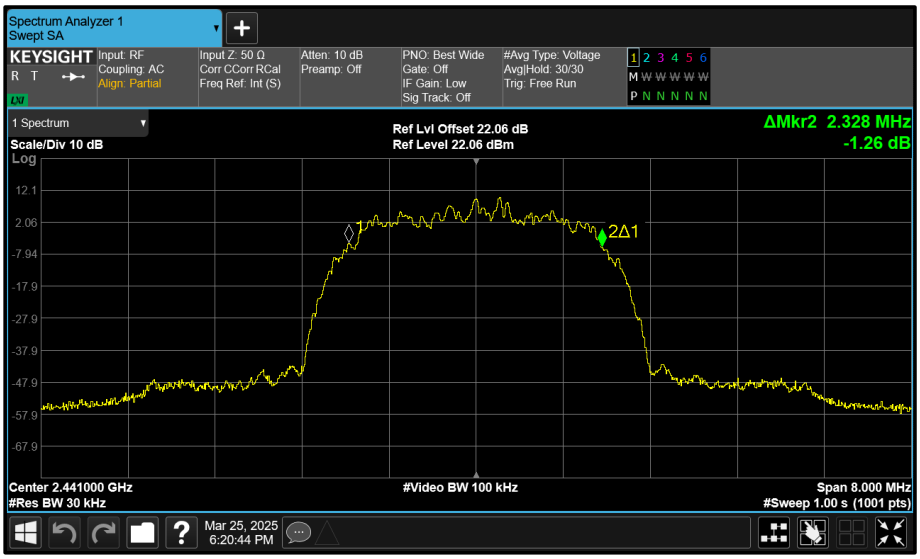

Figure 285 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

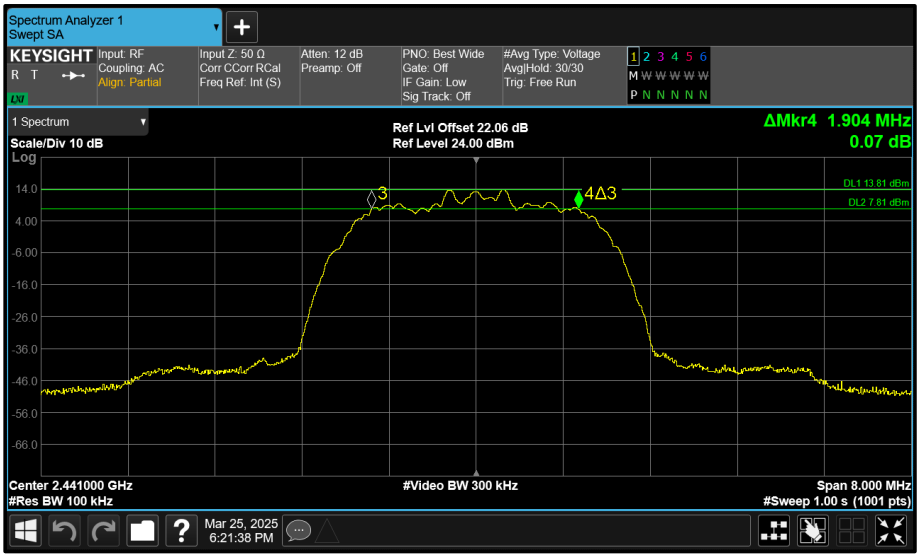

Figure 286 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

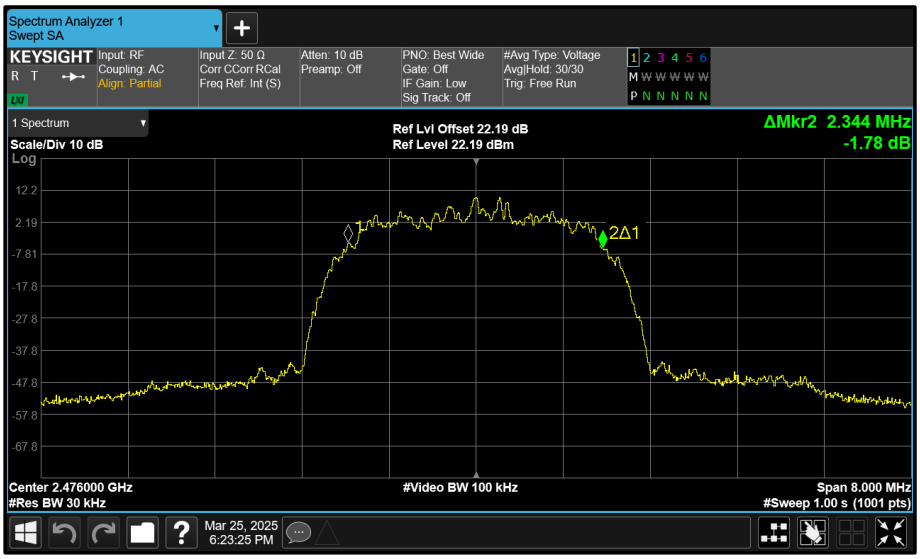

Figure 287 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

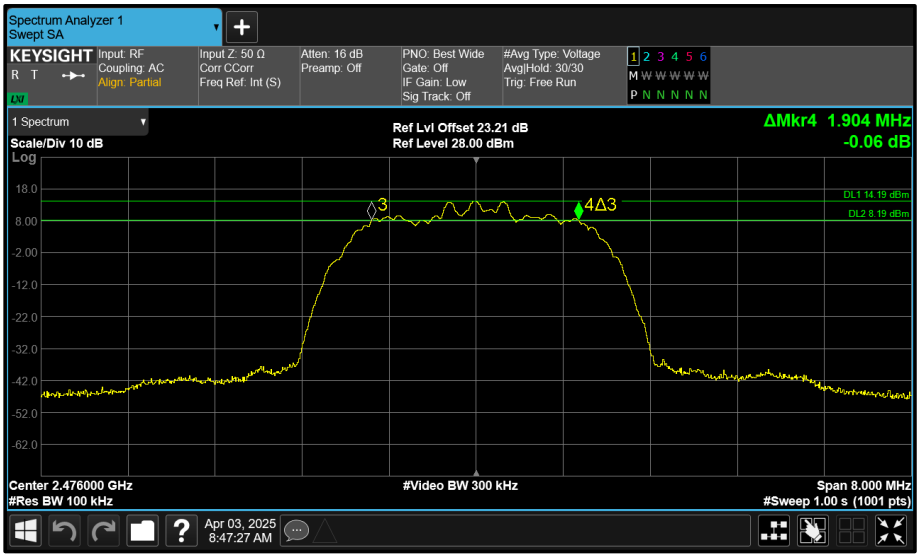

Figure 288 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

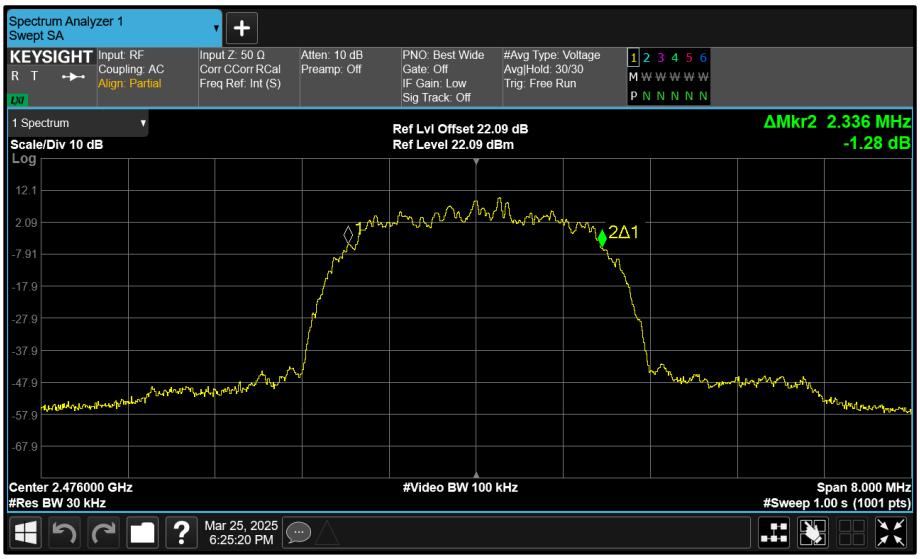

Figure 289 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

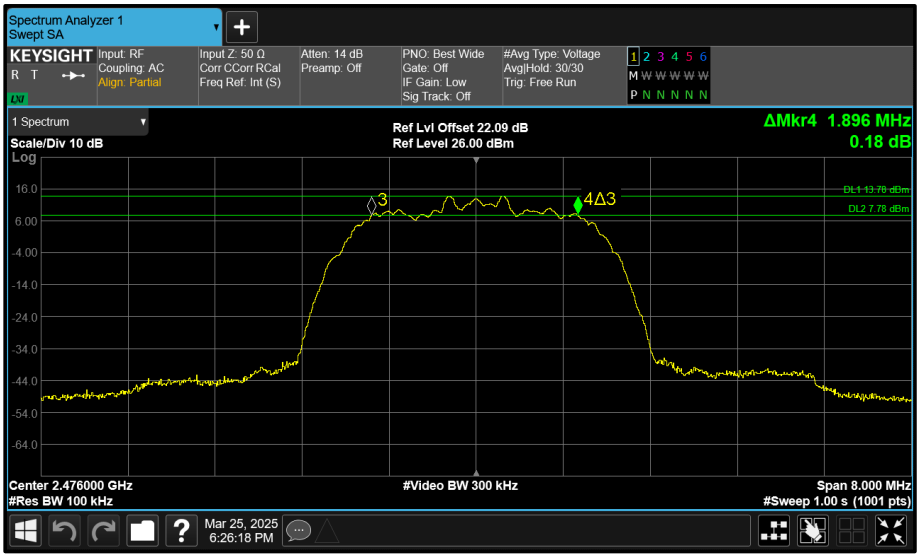

Figure 290 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 6.9.2
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	1.020	-	-	≥500.0
2441	1.035	1.020	-	-	≥500.0
2476	1.035	1.005	-	-	≥500.0

Table 67 - 6 dB Bandwidth Results

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

Table 68 - 99% Bandwidth Results

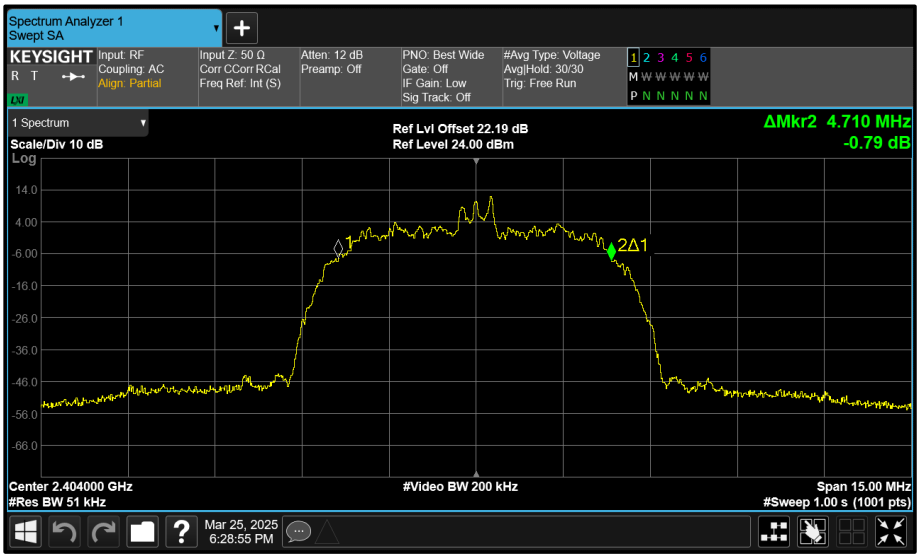

Figure 291 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

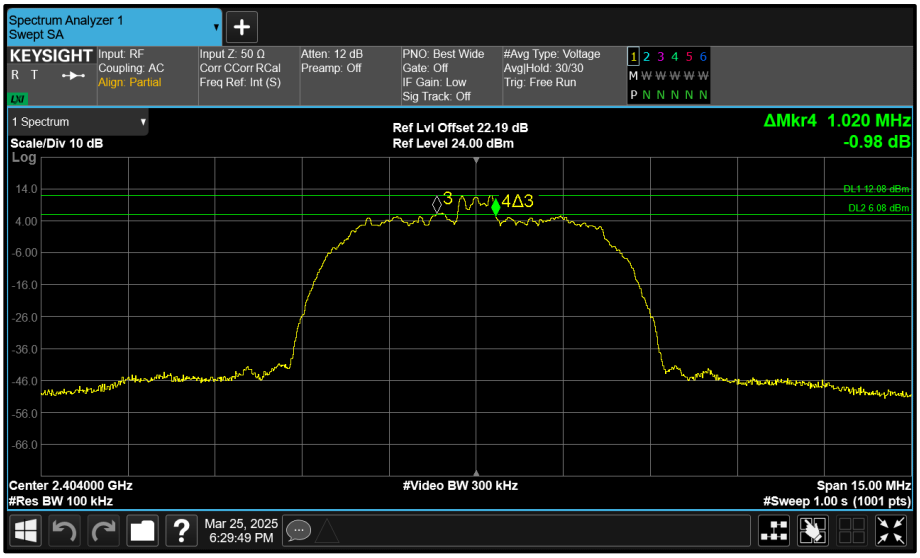

Figure 292 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

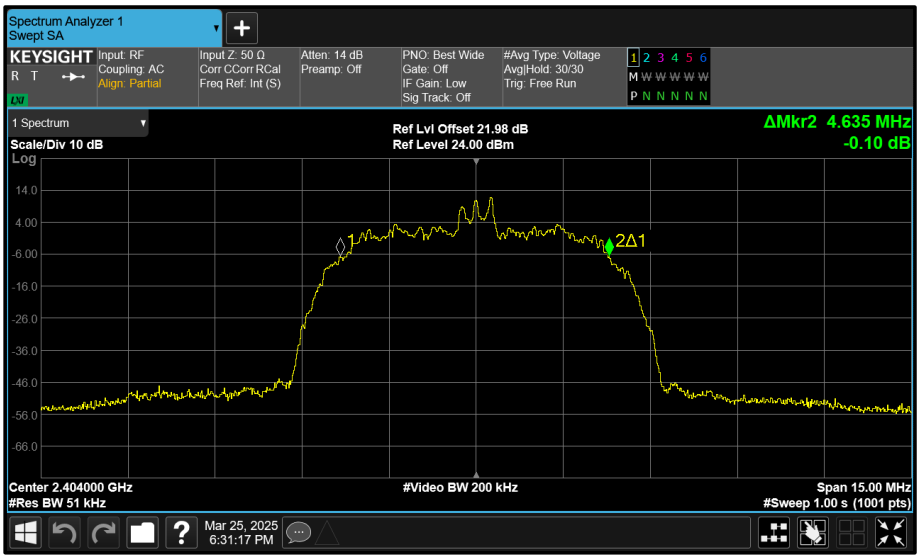

Figure 293 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

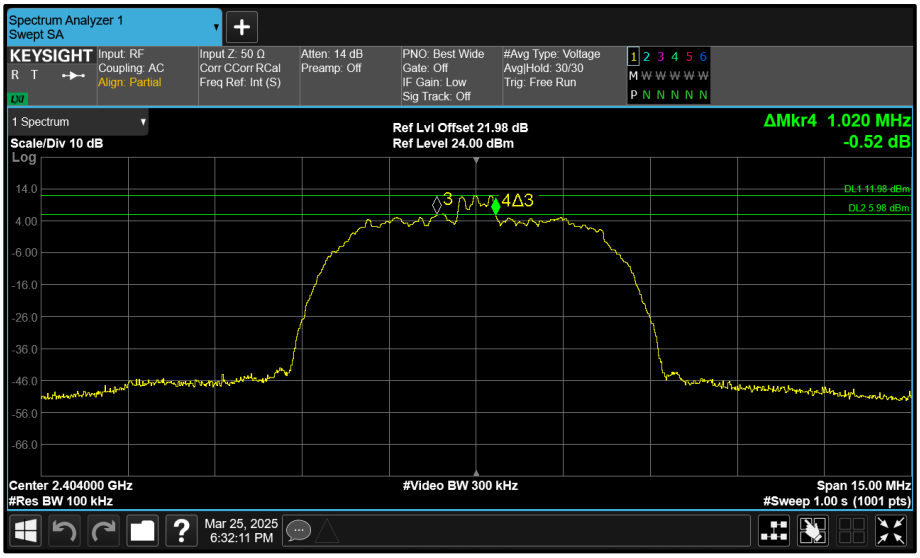

Figure 294 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

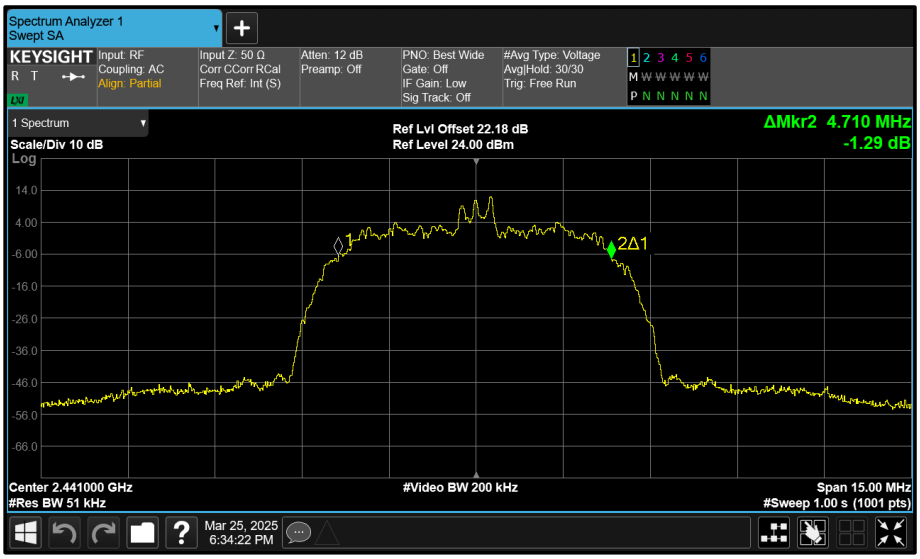

Figure 295 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

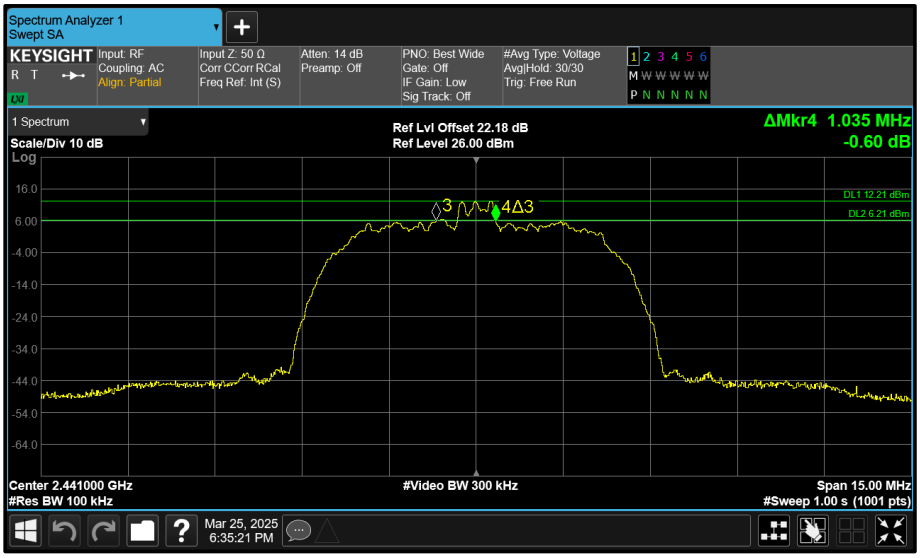

Figure 296 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

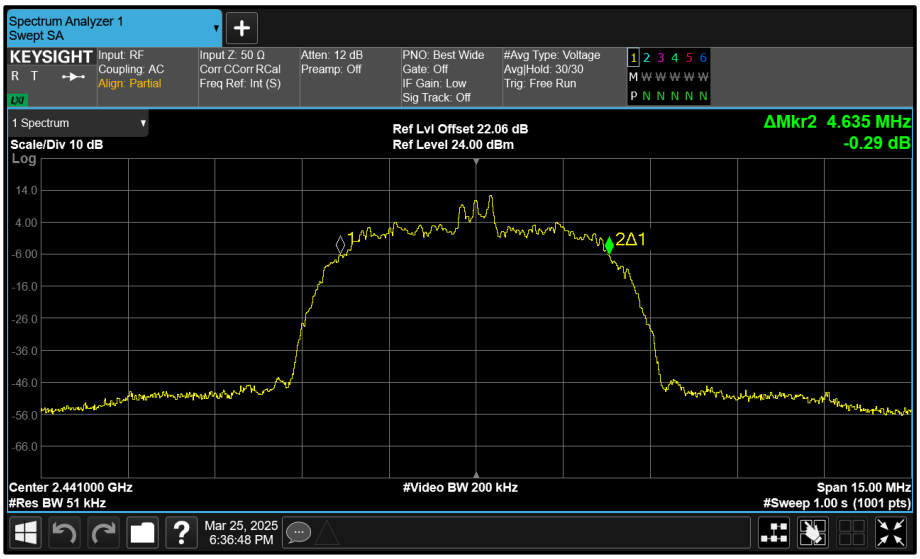

Figure 297 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

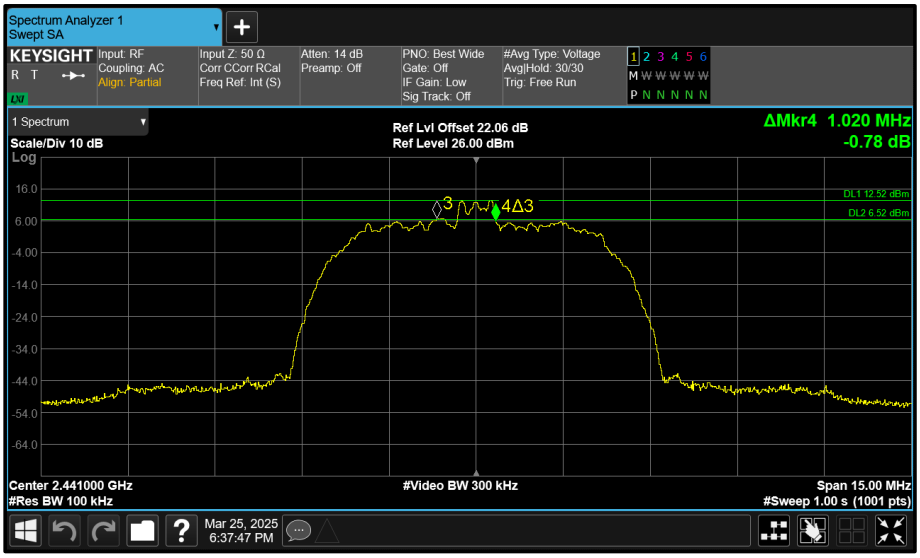

Figure 298 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

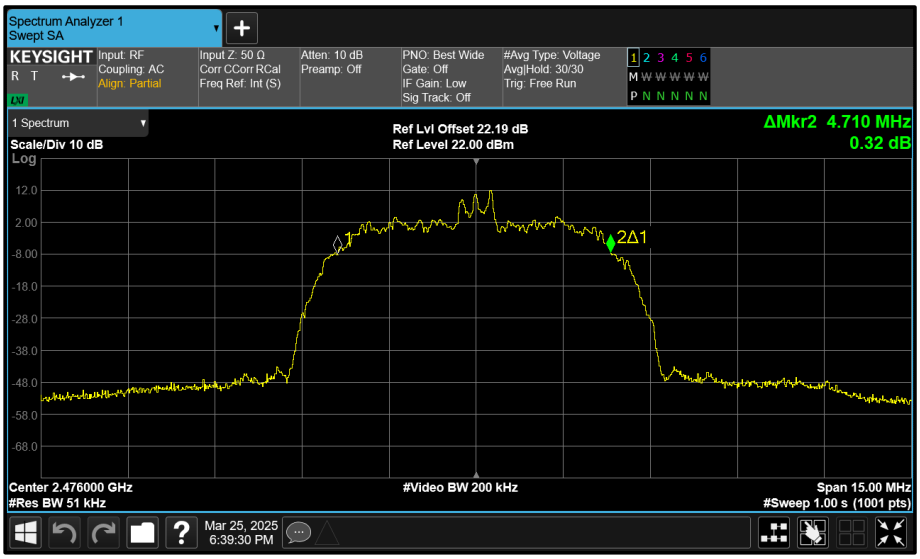

Figure 299 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

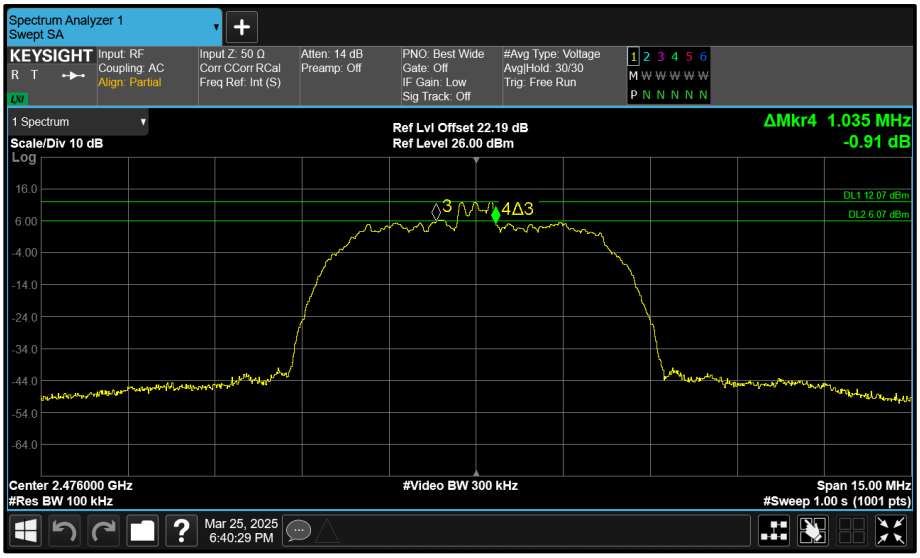

Figure 300 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

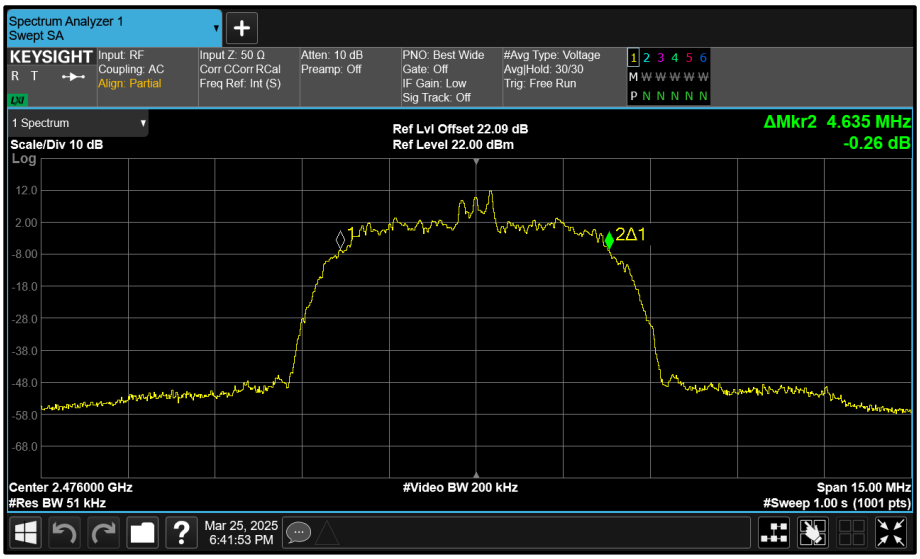

Figure 301 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

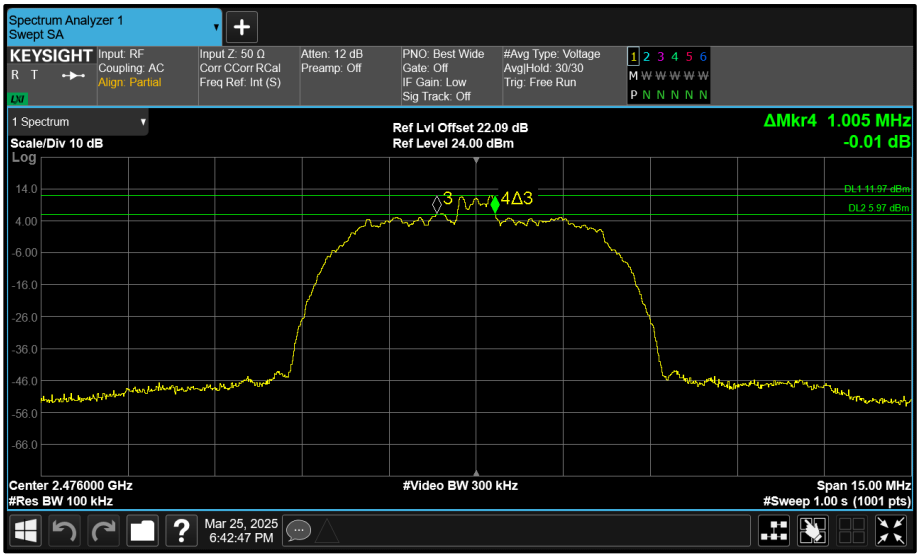

Figure 302 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 6.9.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whist transmitting at the cores respective powers and summed after test		

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	0.696	-	-	≥500.0
2440	0.692	0.728	-	-	≥500.0
2480	0.700	0.728	-	-	≥500.0

Table 69 - 6 dB Bandwidth Results

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

Table 70 - 99% Bandwidth Results

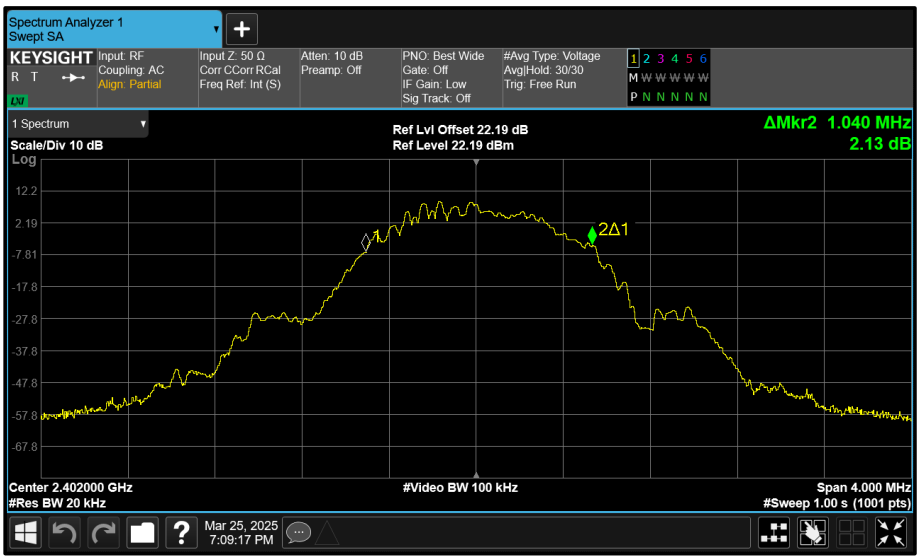

Figure 303 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth