TUV SUD Limited Digitally signed by TUV SUD Limited Date: 2024.10.14 14:34:51 +01'00'

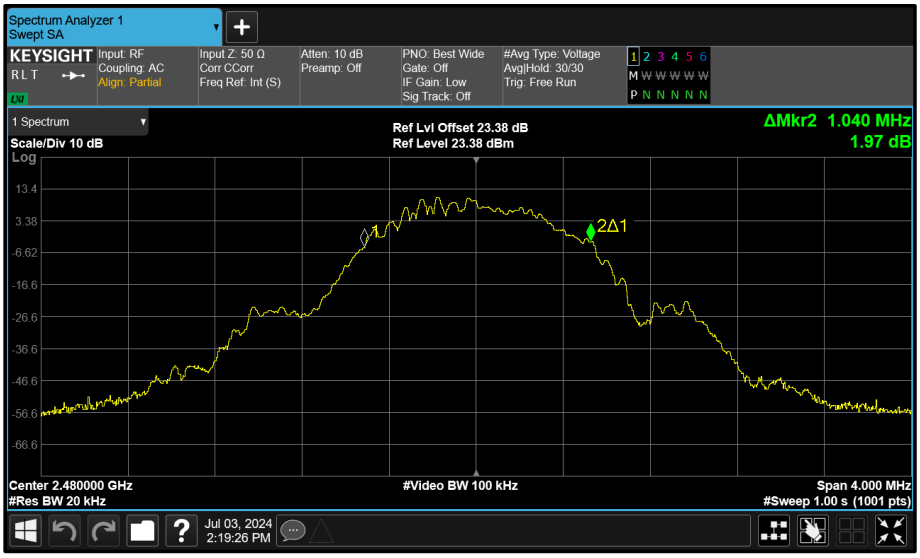

Figure 147 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

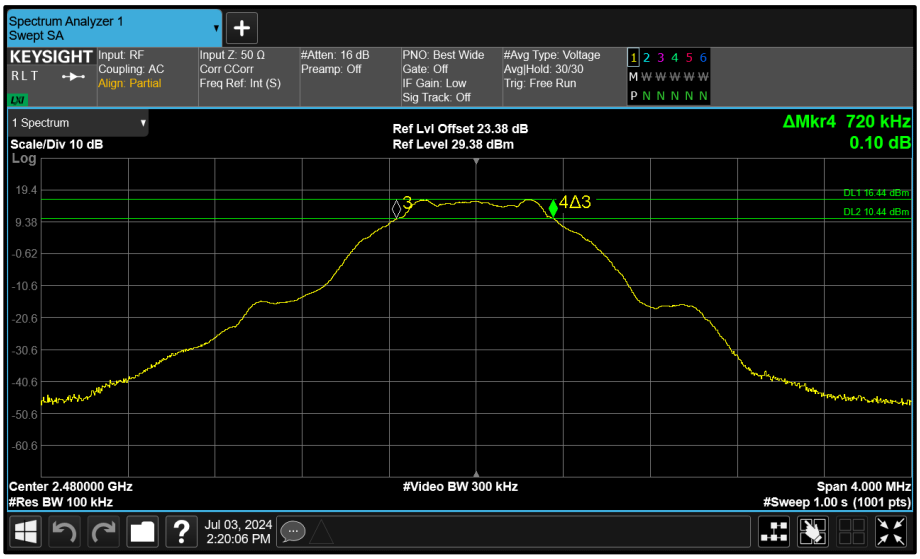

Figure 148 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

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:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.272	-	-	-	≥500.0
2440	1.280	-	-	-	≥500.0
2480	1.280	-	-	-	≥500.0

Table 39 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	2.096	-	-	-	-
2440	2.088	-	-	-	-
2480	2.088	-	-	-	-

Table 40 - 99% Bandwidth Results

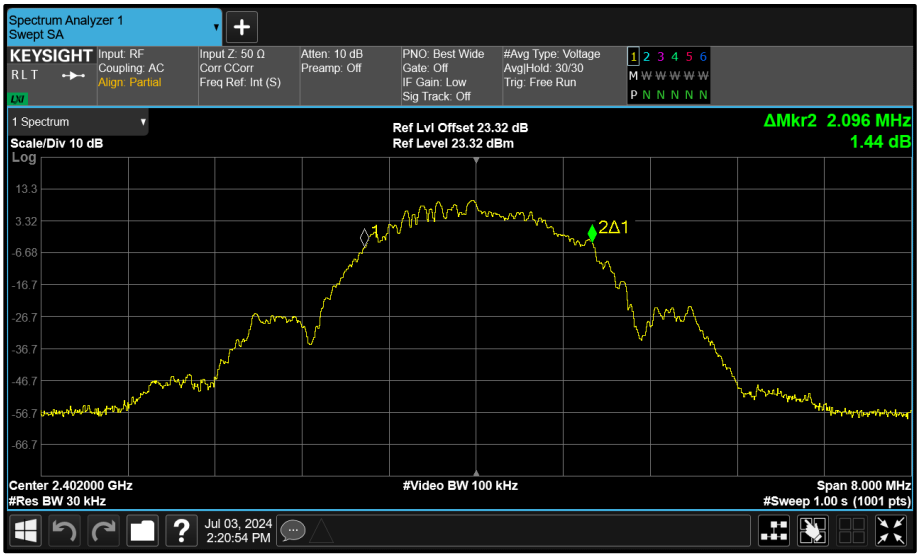

Figure 149 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

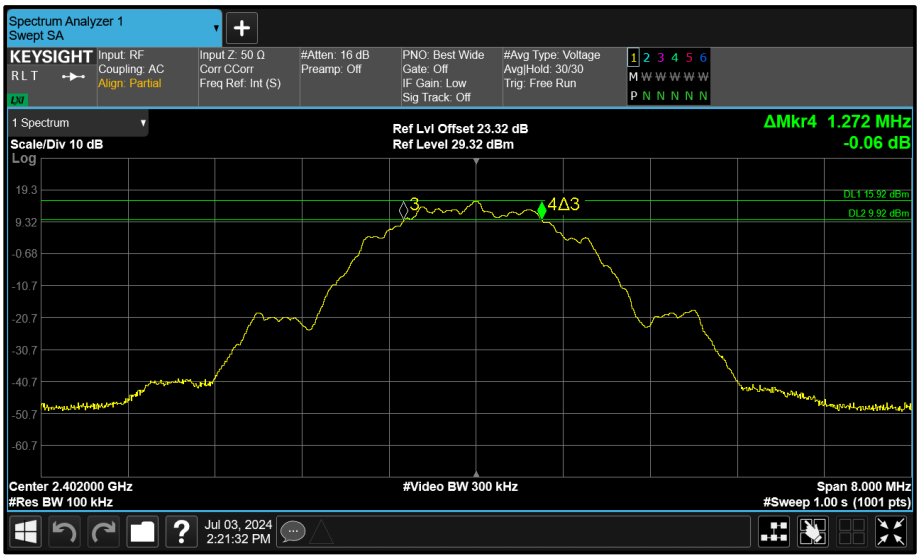

Figure 150 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

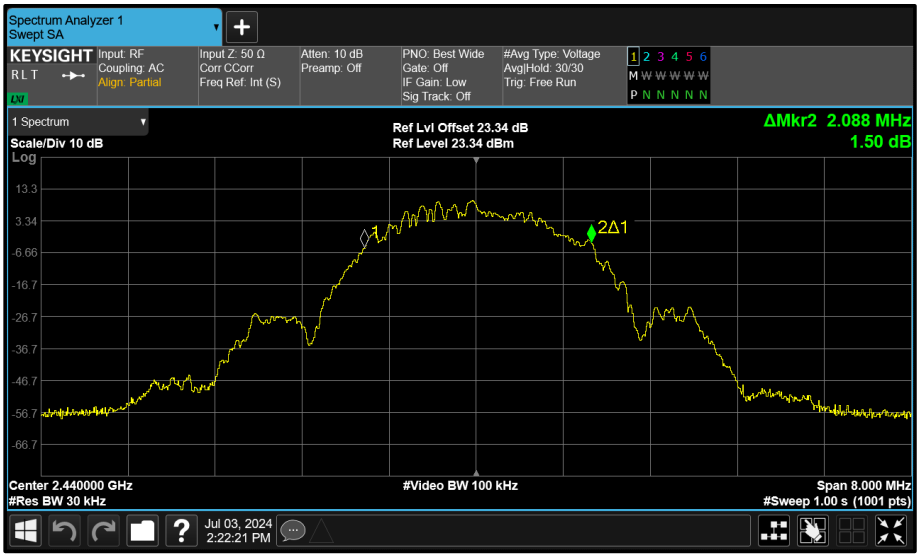

Figure 151 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

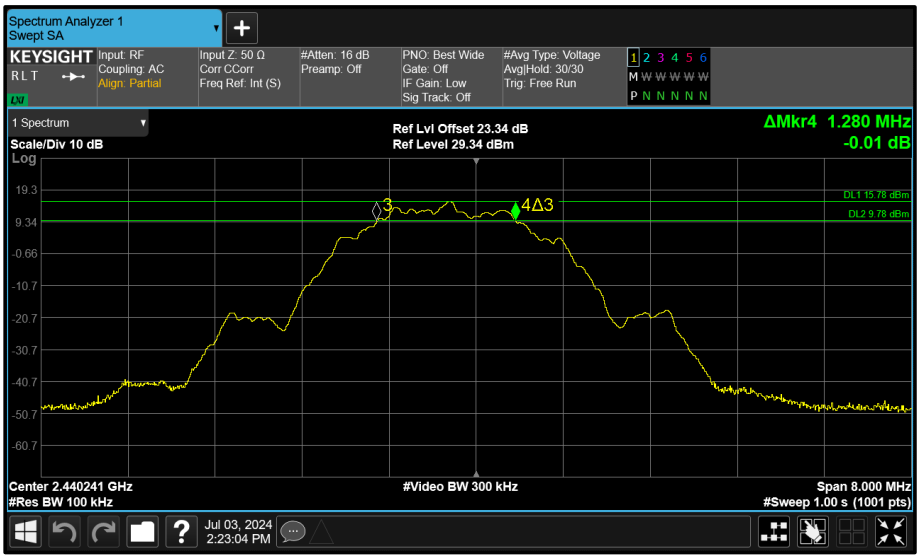

Figure 152 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

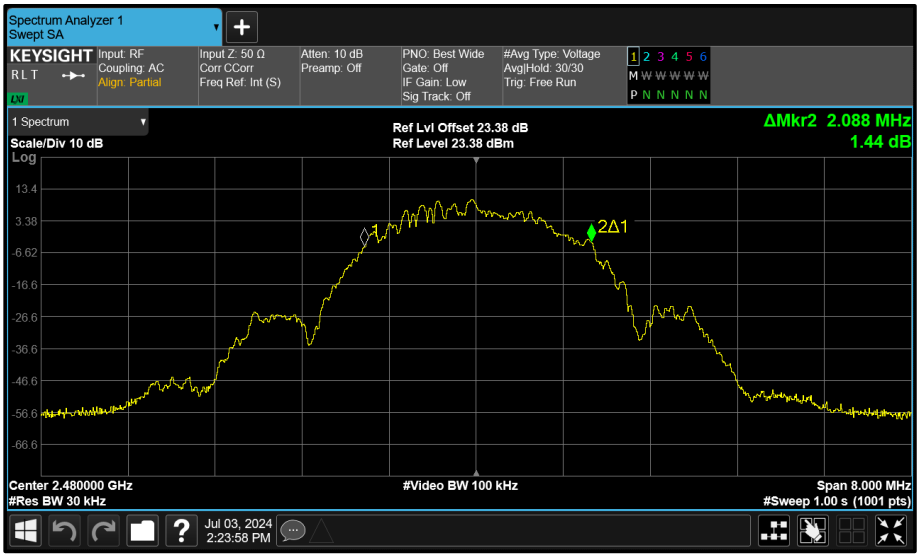

Figure 153 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

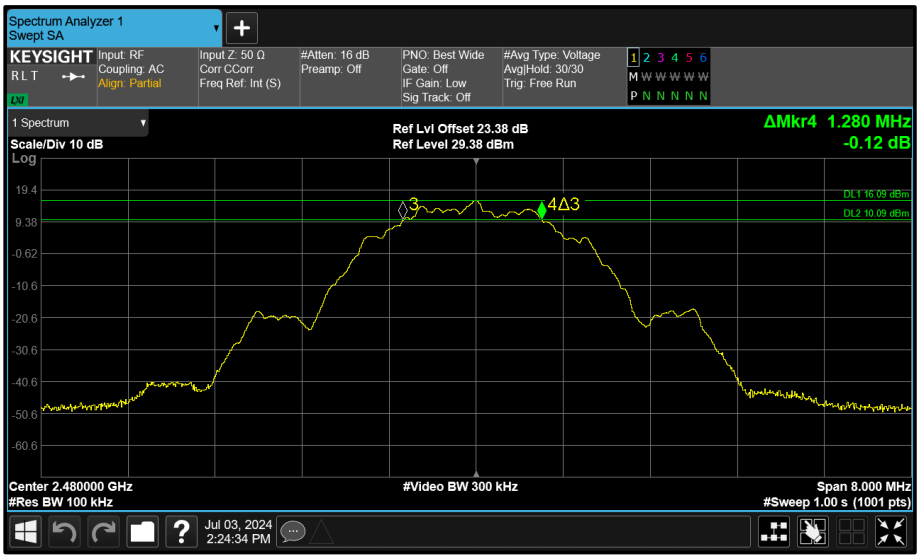

Figure 154 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

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 (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	1.896	1.864	-	-	≥500.0
2441	1.896	1.888	-	-	≥500.0
2476	1.872	1.888	-	-	≥500.0

Table 41 - 6 dB Bandwidth Results

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

Table 42 - 99% Bandwidth Results

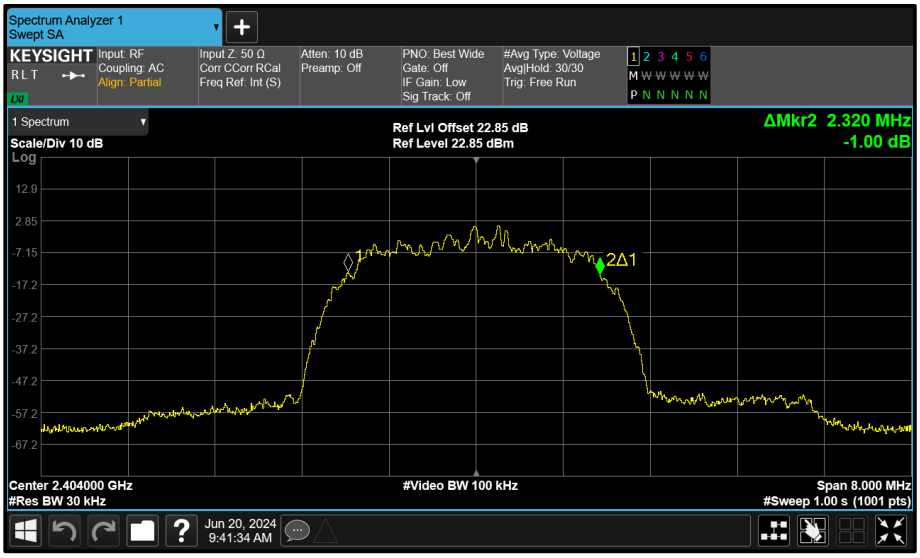

Figure 155 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

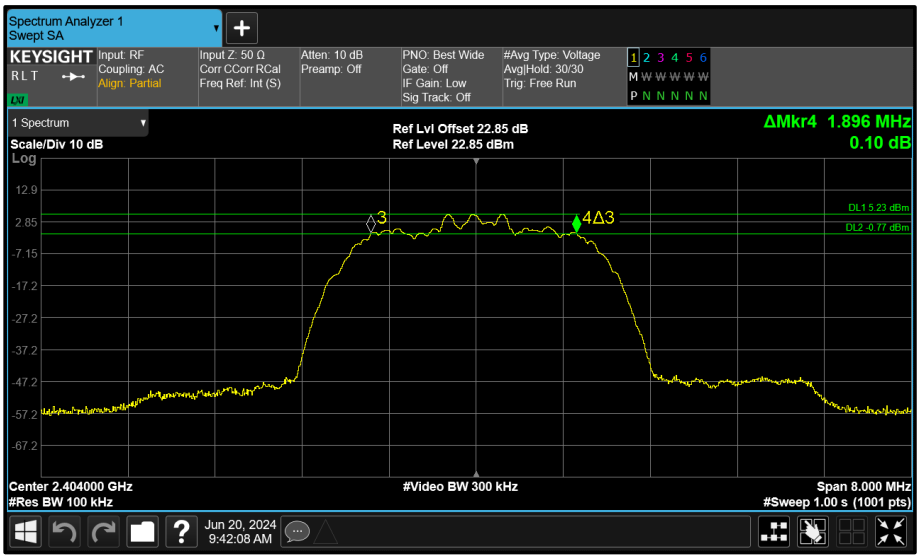

Figure 156 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

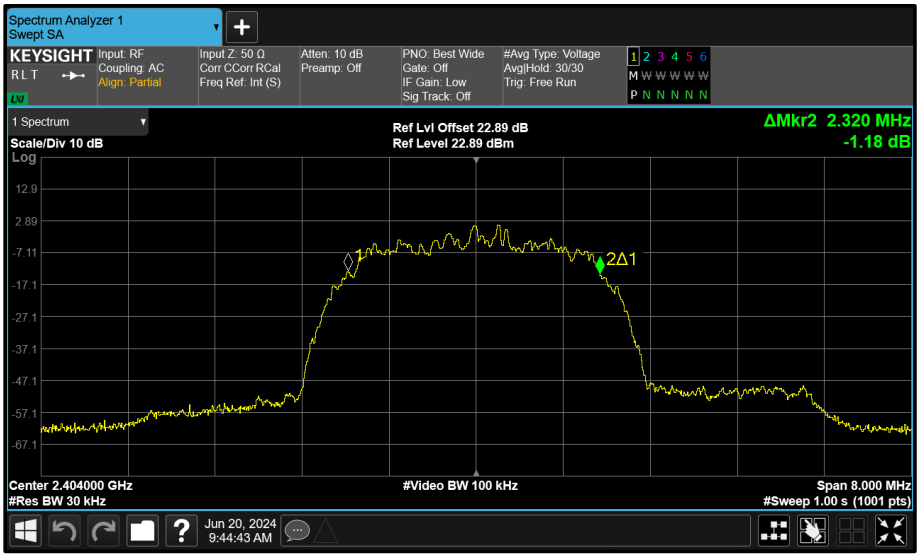

Figure 157 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

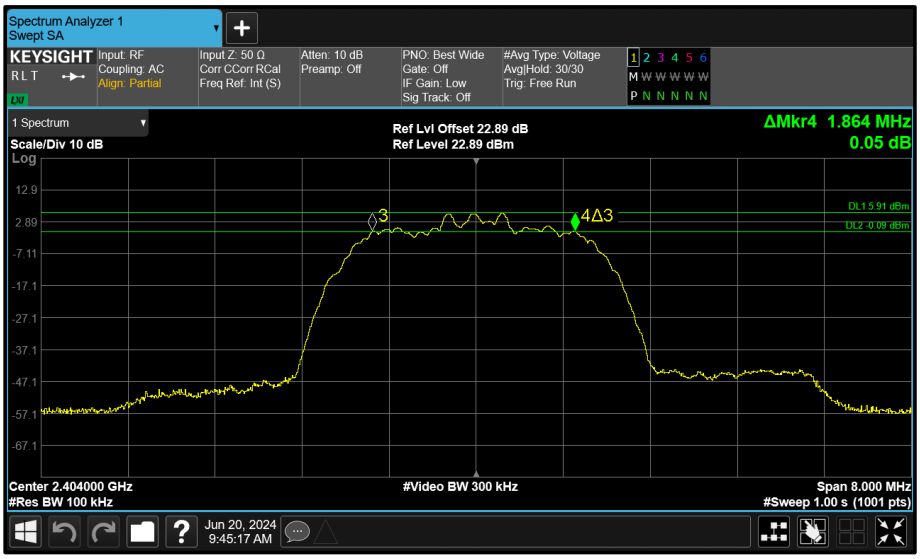

Figure 158 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

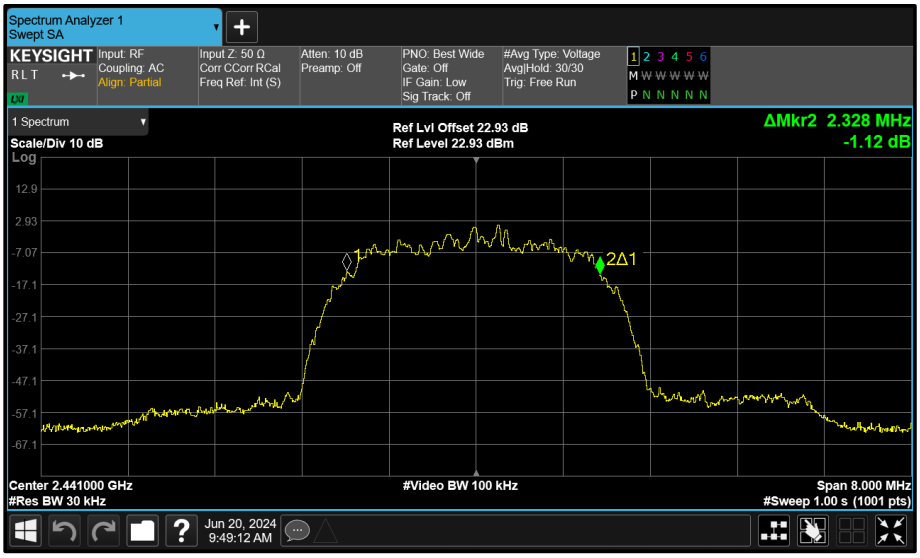

Figure 159 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

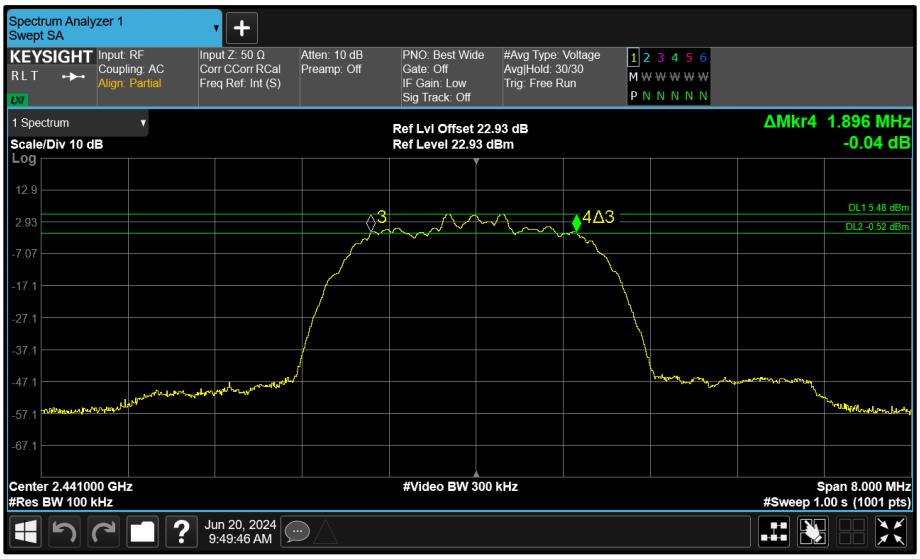

Figure 160 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

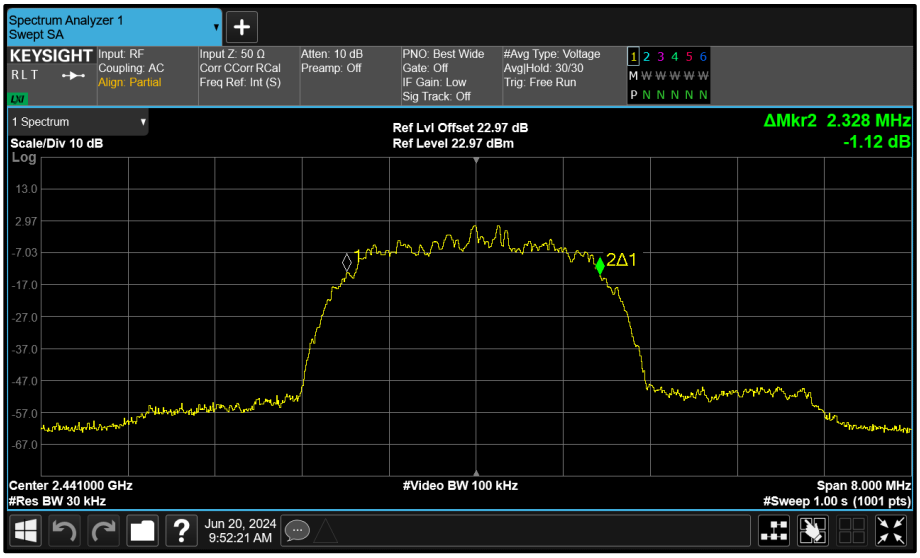

Figure 161 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

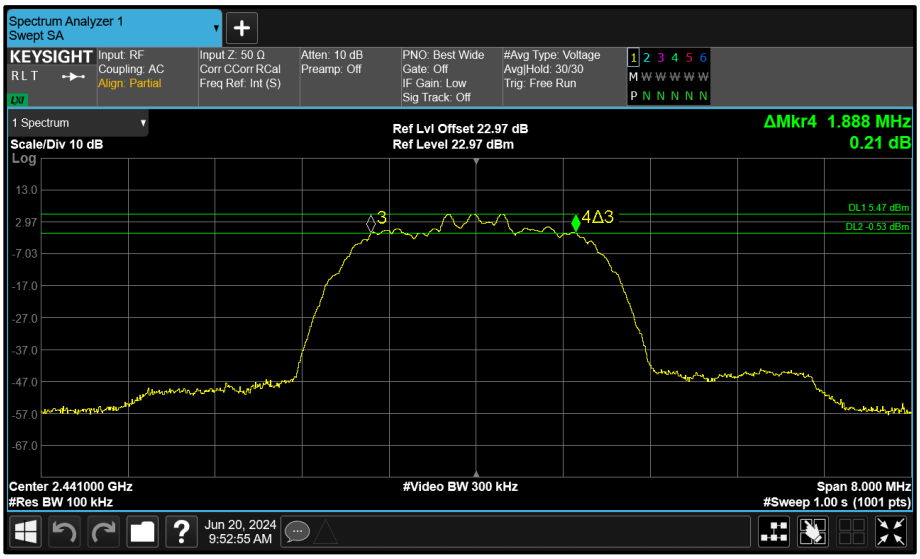

Figure 162 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

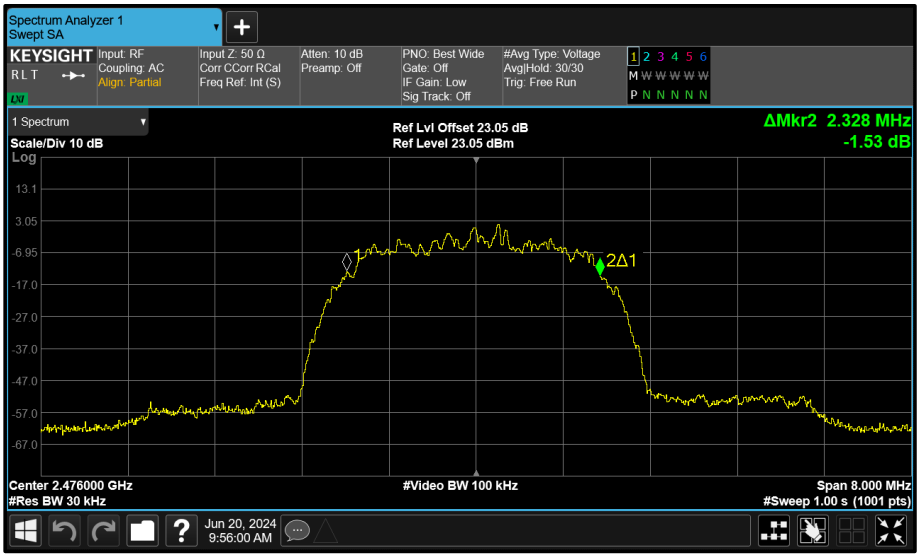

Figure 163 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

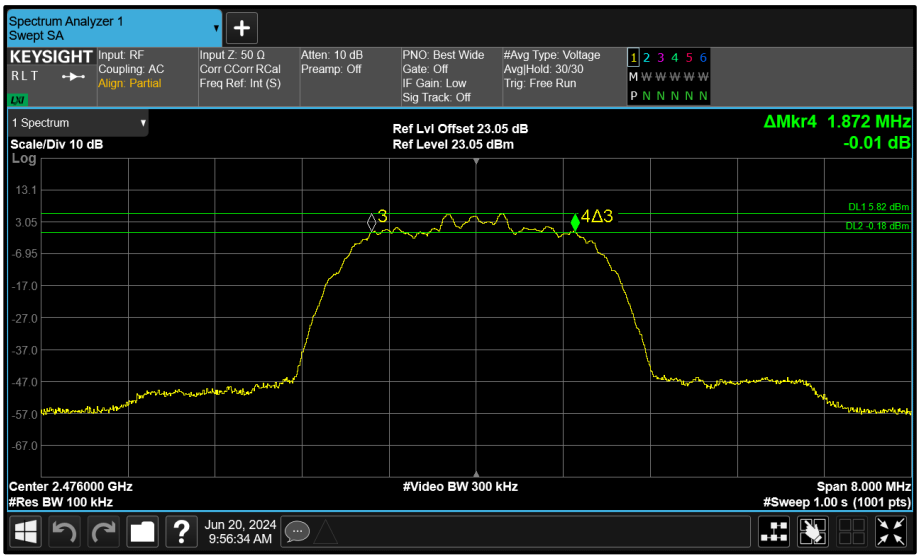

Figure 164 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

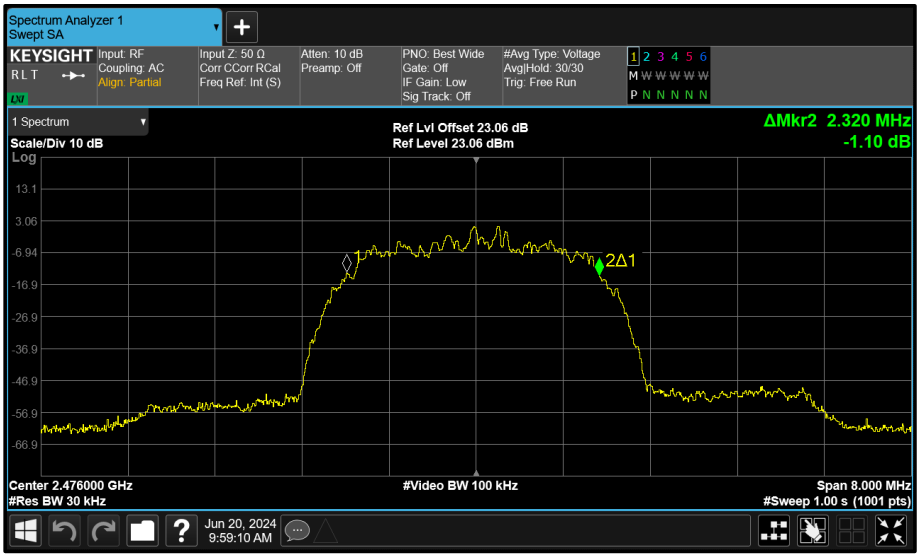

Figure 165 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

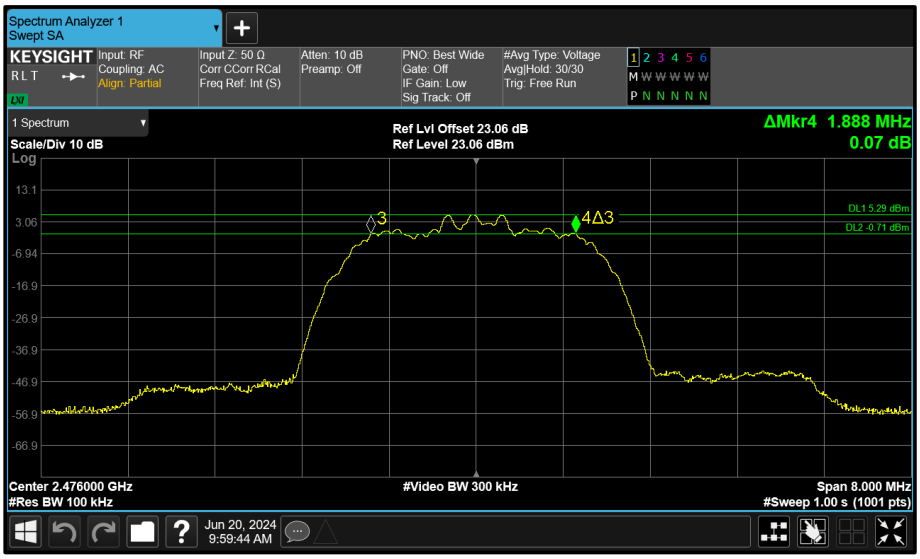

Figure 166 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 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	1.005	-	-	≥500.0
2476	0.915	1.020	-	-	≥500.0

Table 43 - 6 dB Bandwidth Results

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

Table 44 - 99% Bandwidth Results

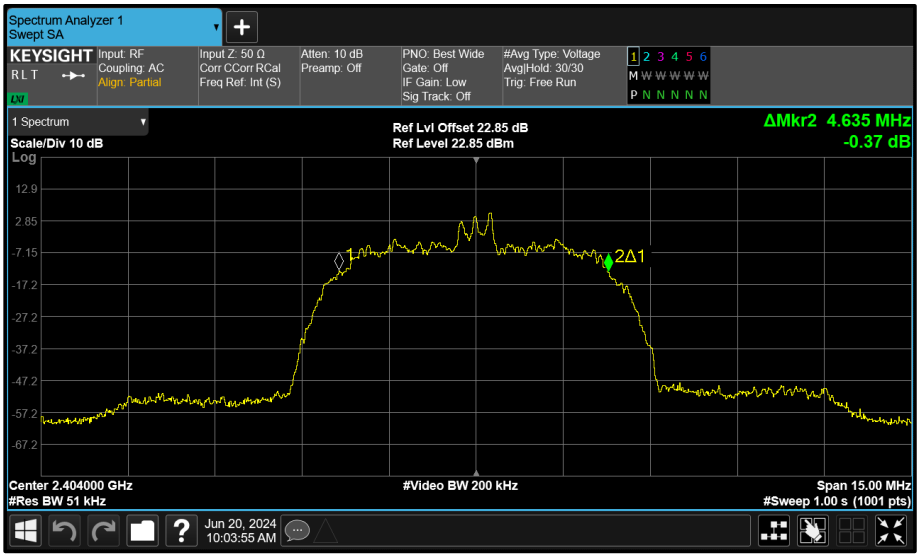

Figure 167 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

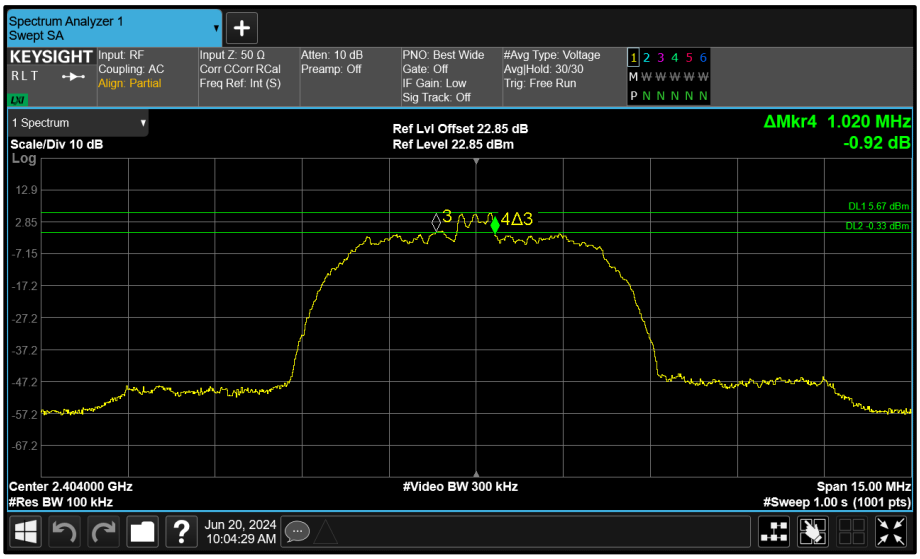

Figure 168 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

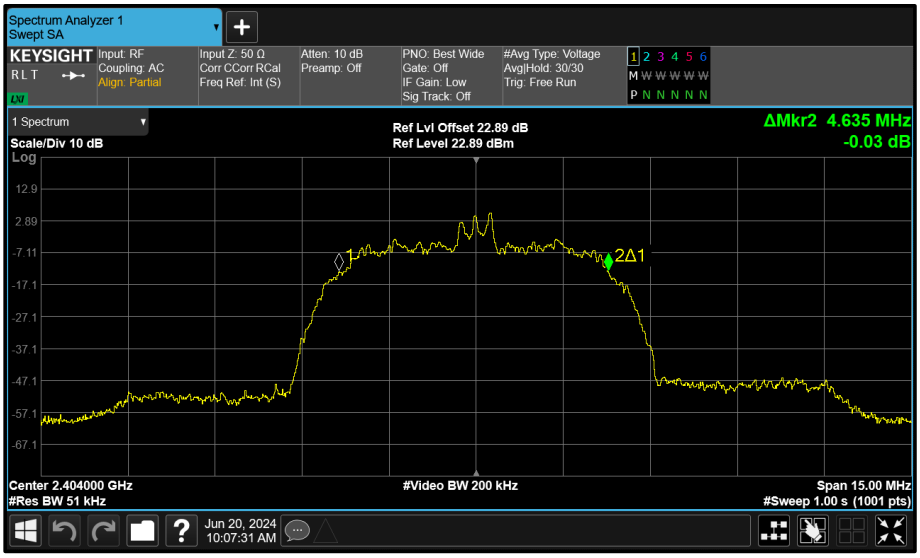

Figure 169 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

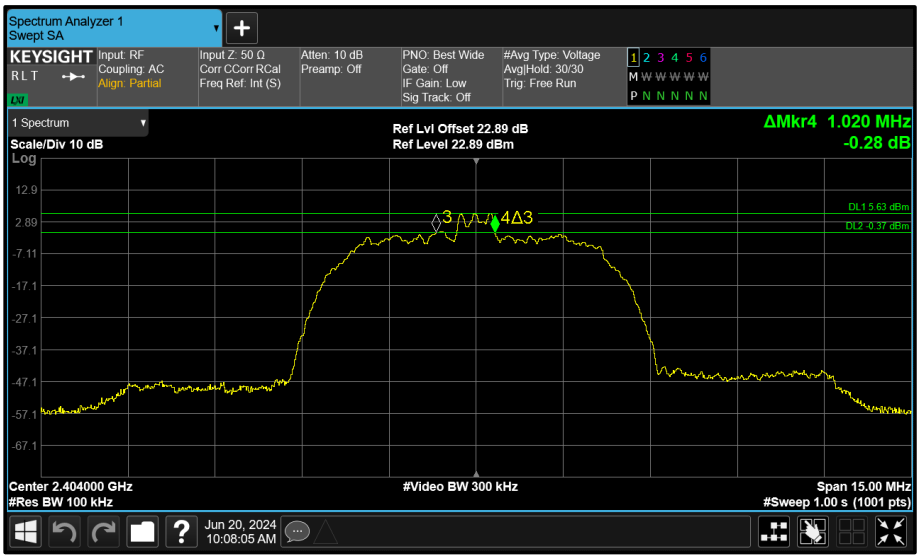

Figure 170 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

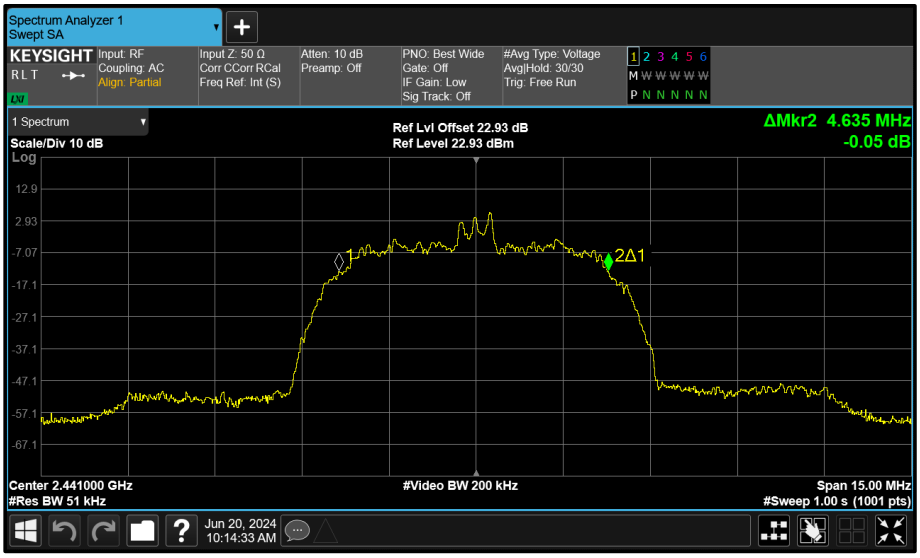

Figure 171 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

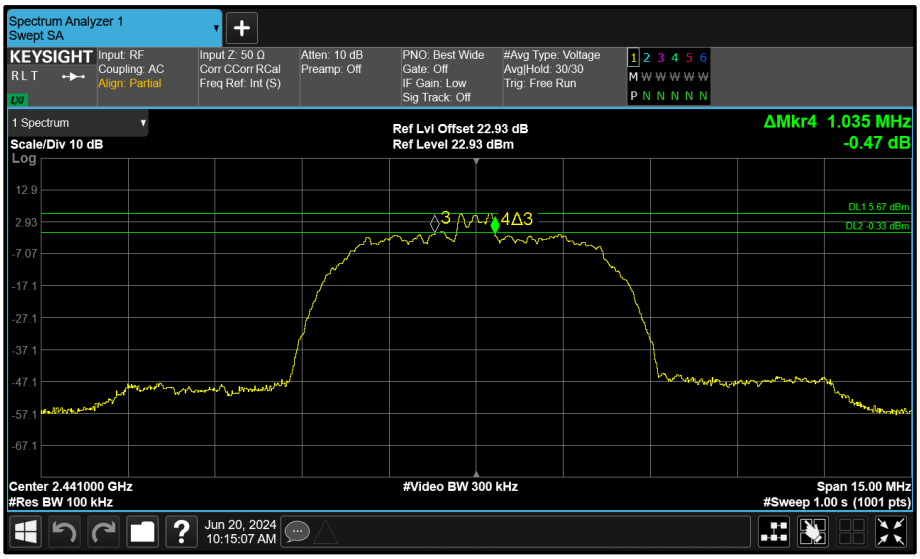

Figure 172 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

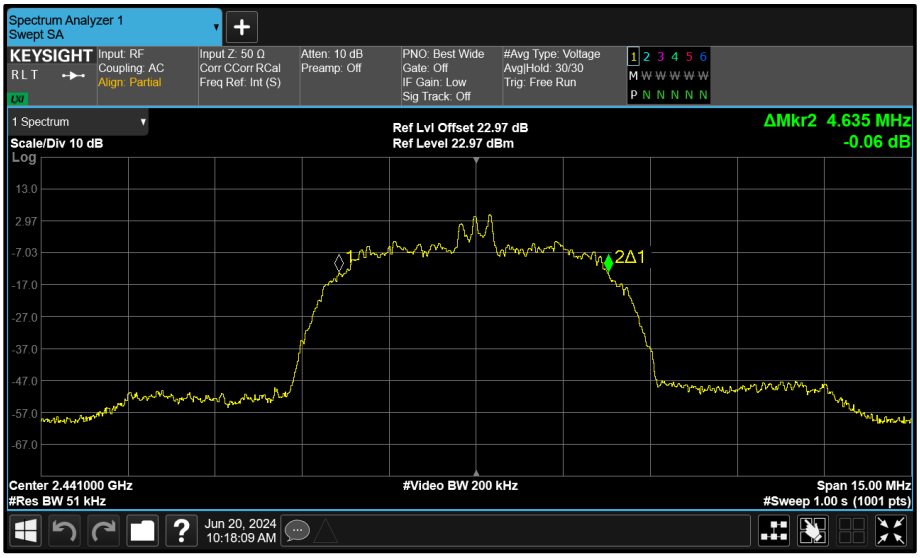

Figure 173 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

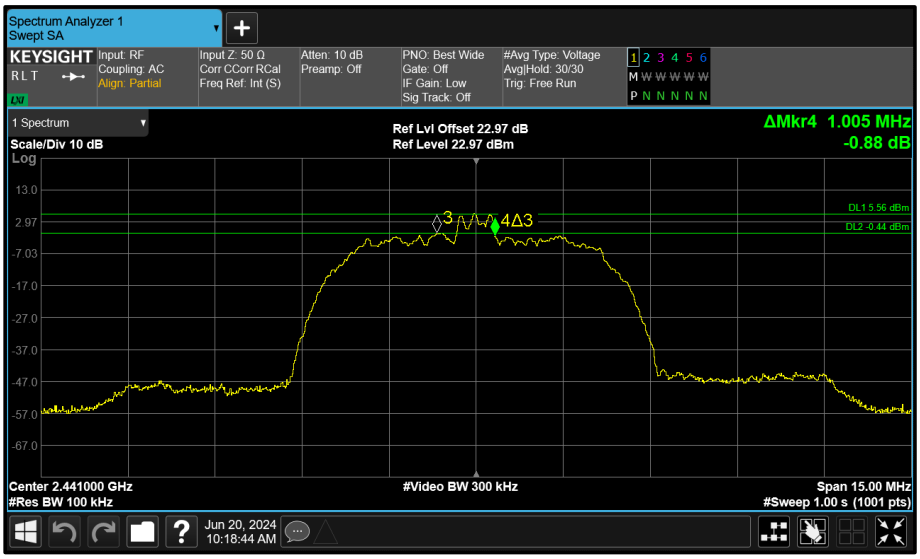

Figure 174 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

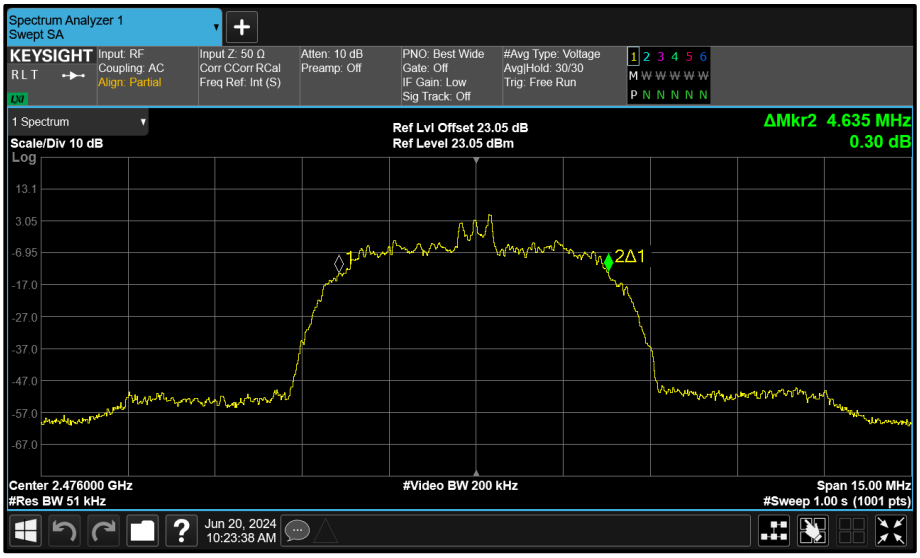

Figure 175 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

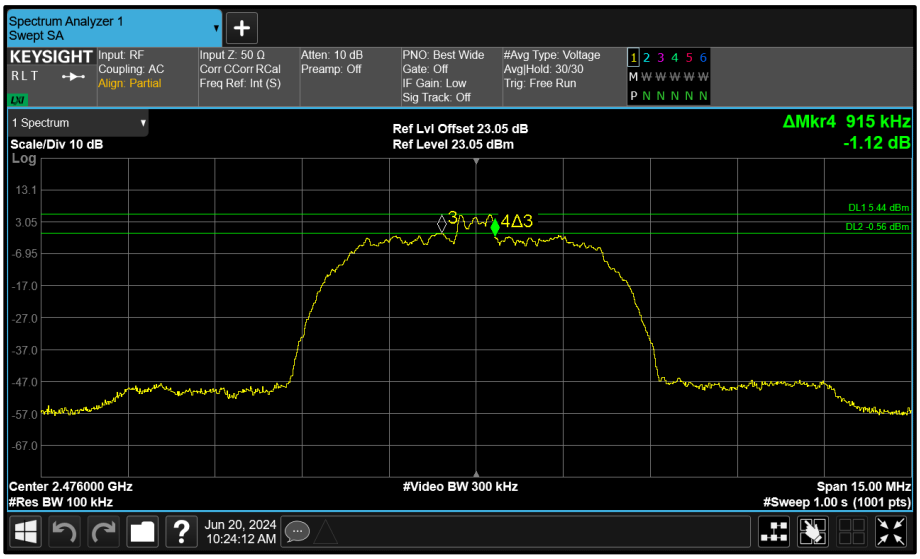

Figure 176 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

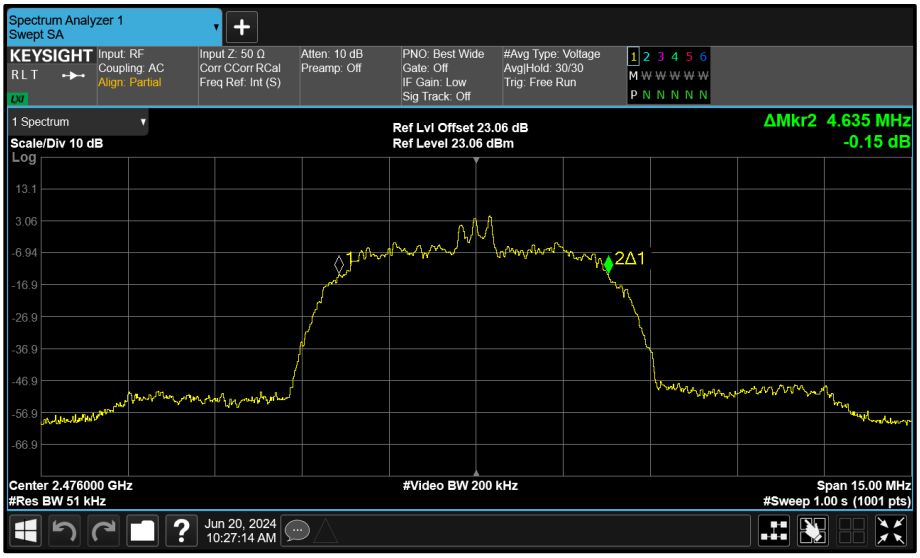

Figure 177 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

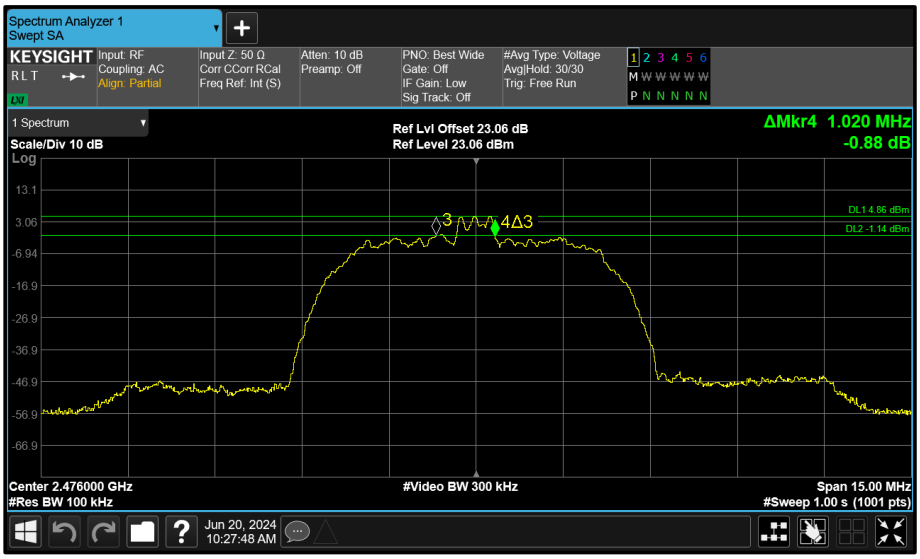

Figure 178 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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	0.728	-	-	≥500.0
2440	0.724	0.692	-	-	≥500.0
2480	0.720	0.672	-	-	≥500.0

Table 45 - 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 46 - 99% Bandwidth Results

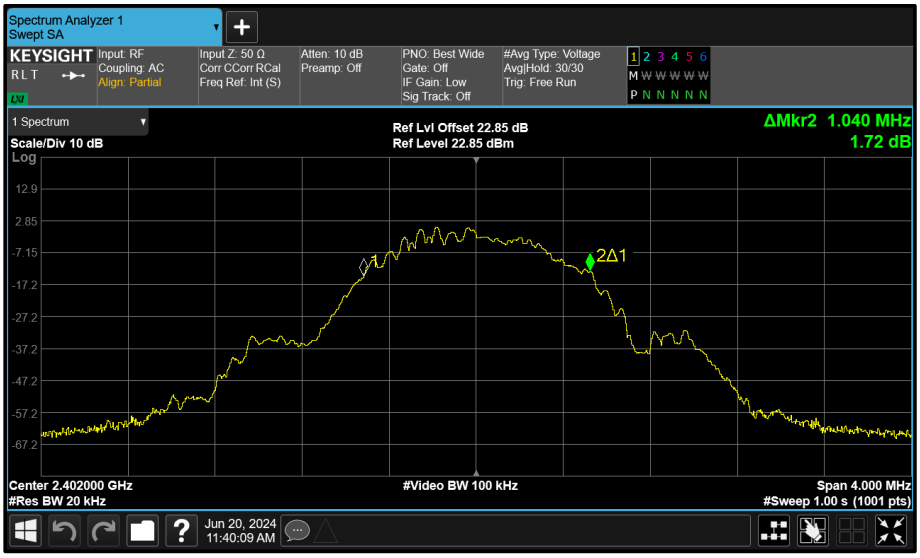

Figure 179 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

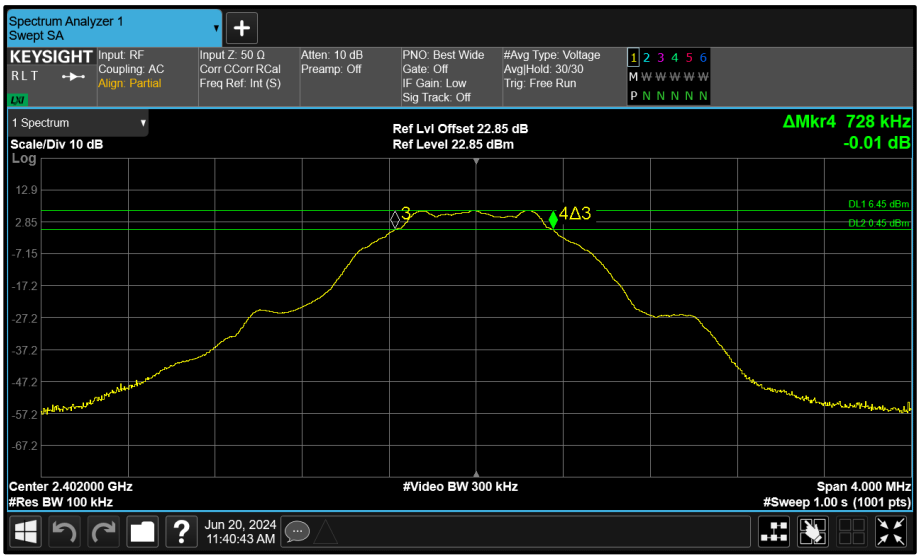

Figure 180 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

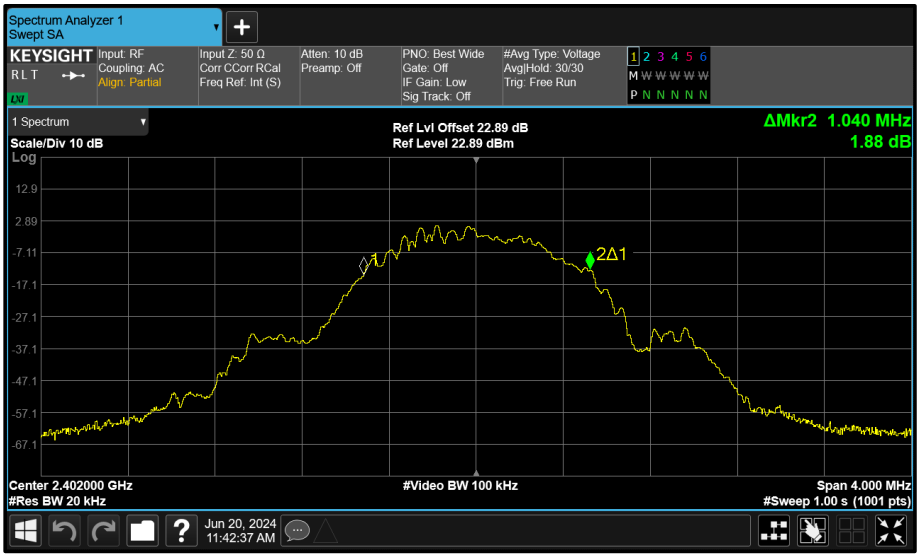

Figure 181 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

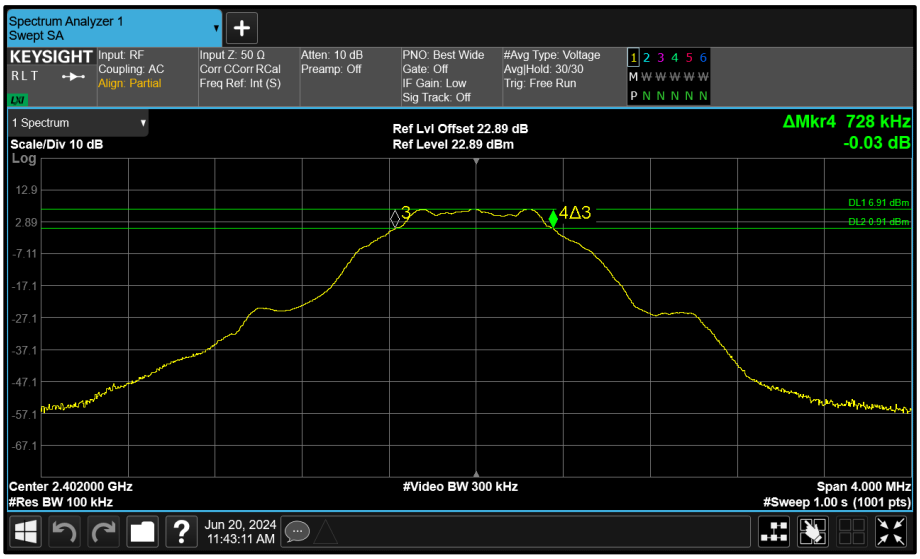

Figure 182 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

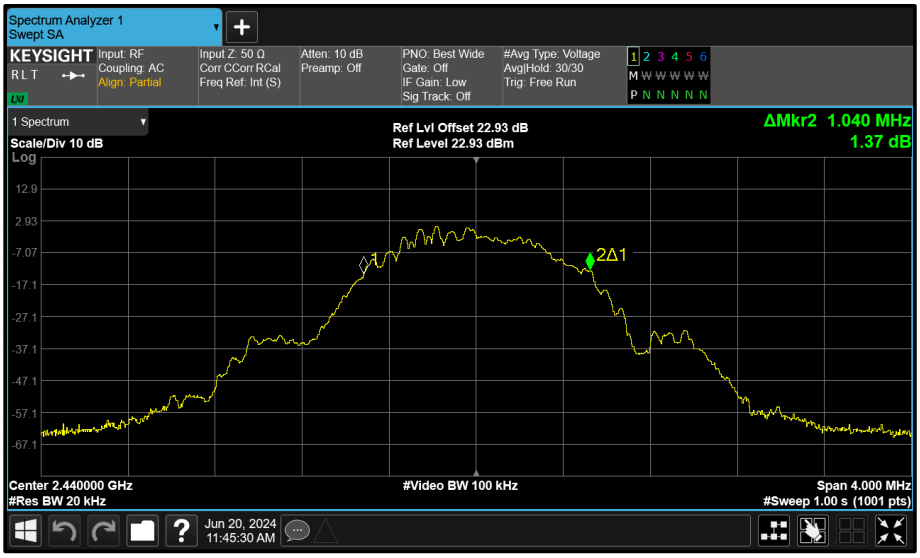

Figure 183 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

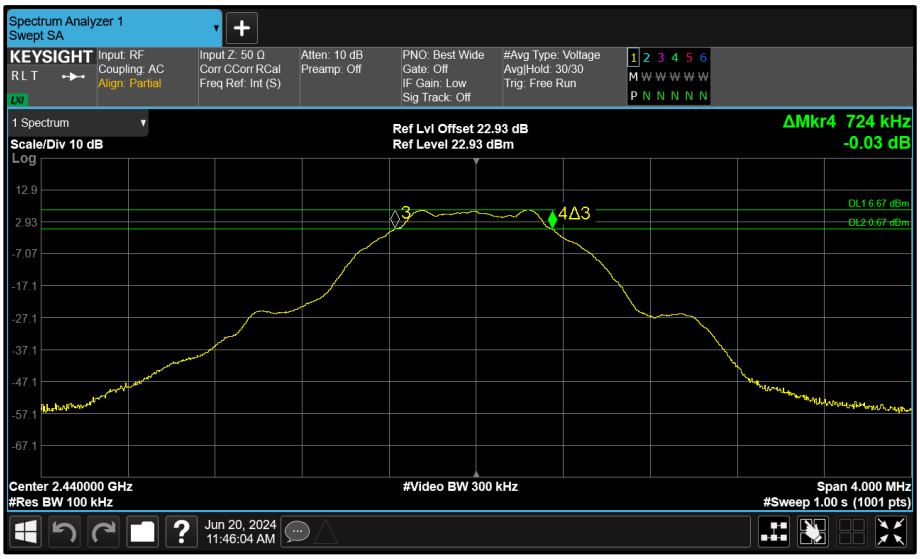

Figure 184 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

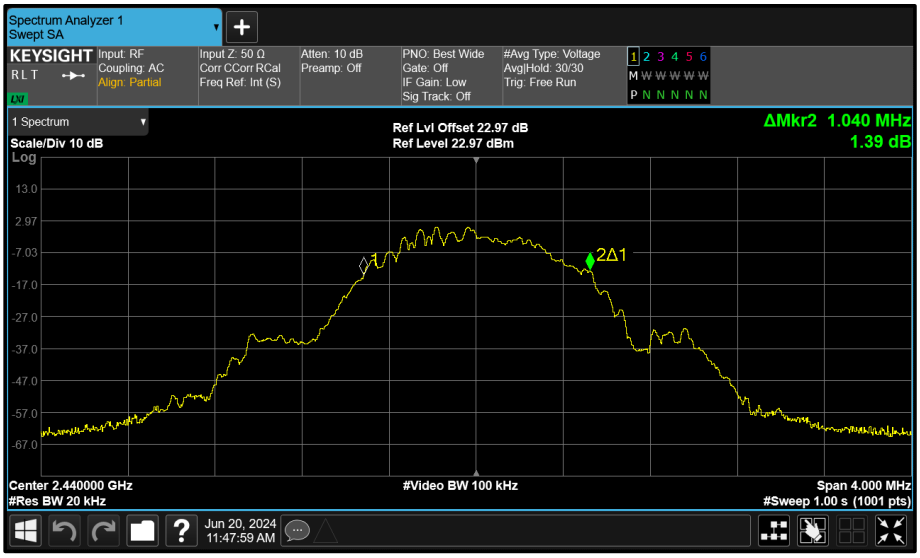

Figure 185 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

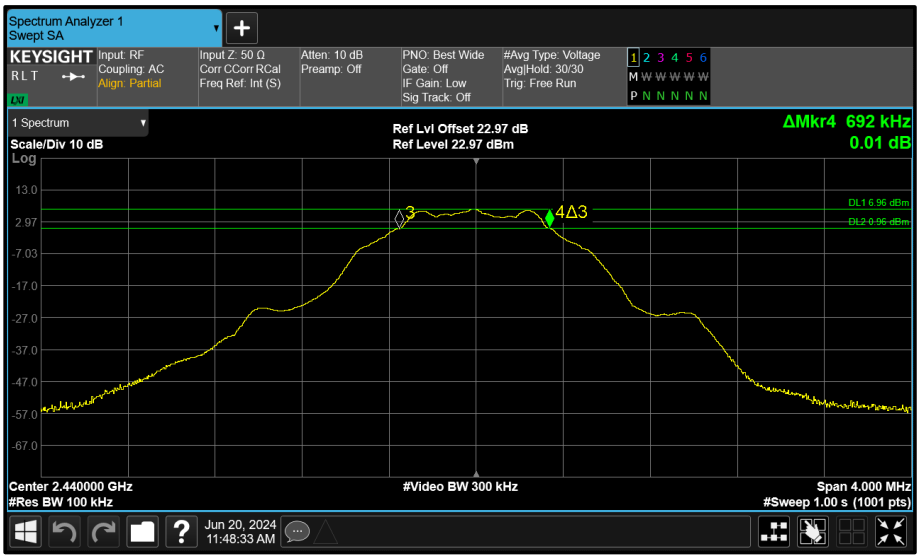

Figure 186 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

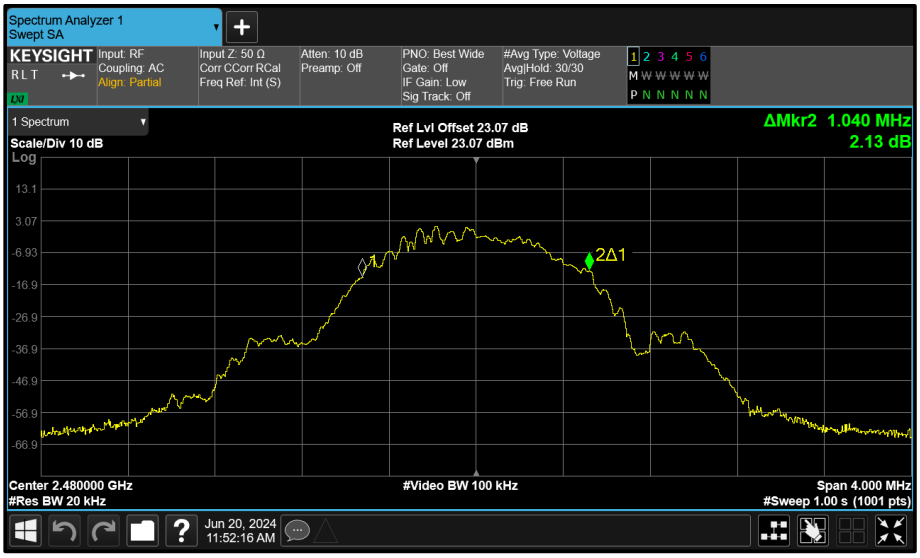

Figure 187 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

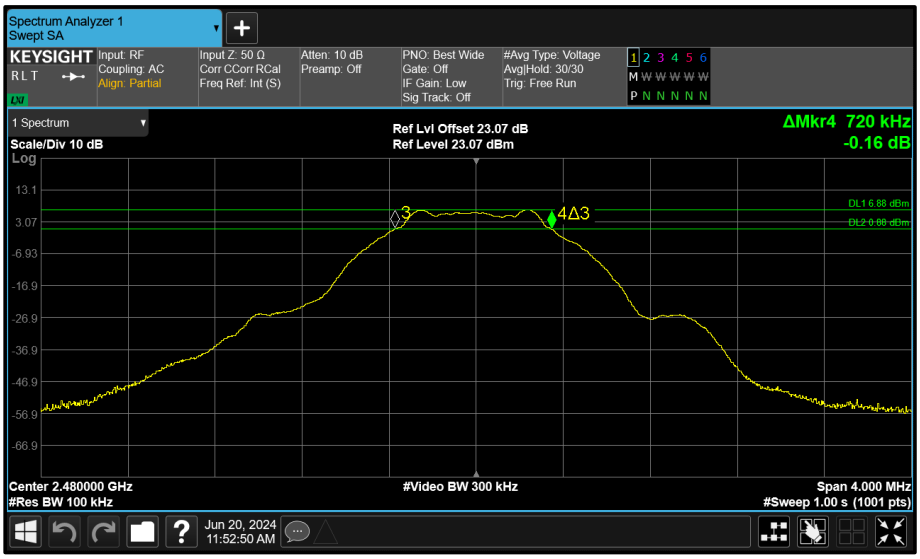

Figure 188 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

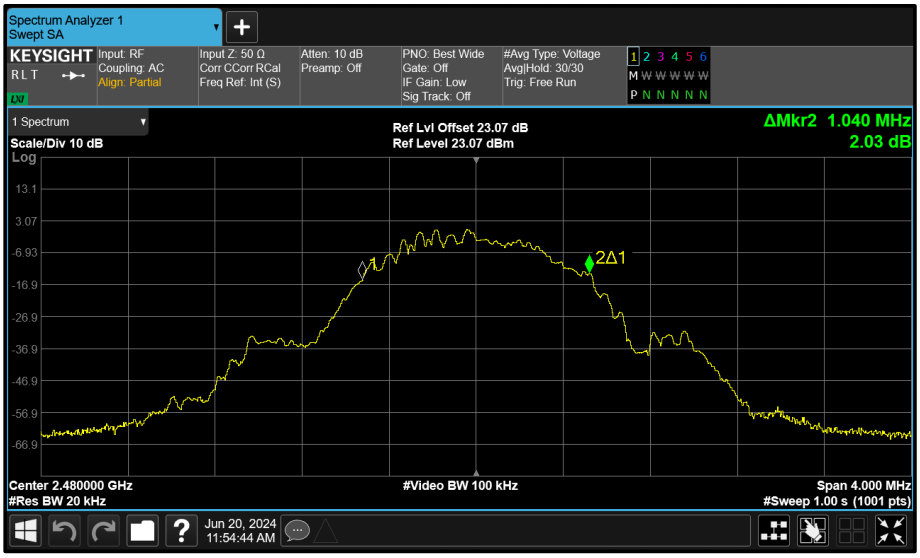

Figure 189 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

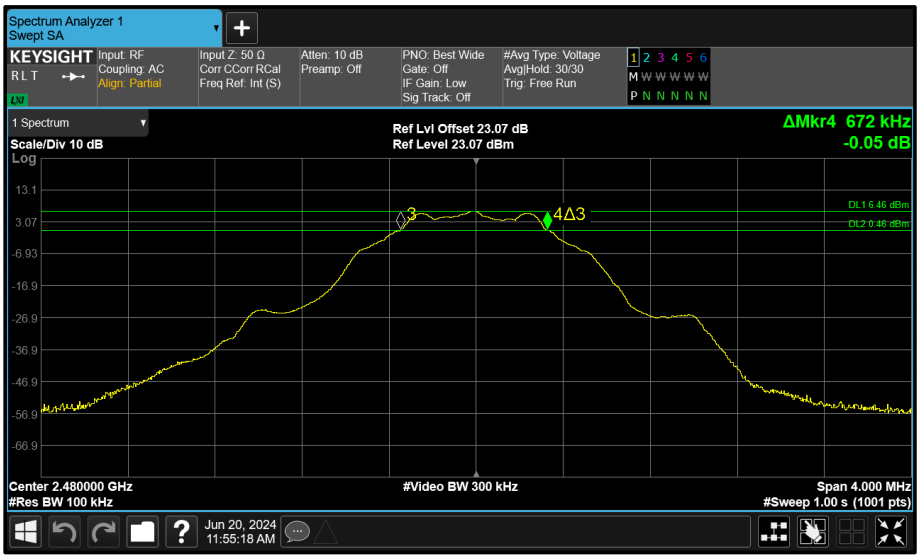

Figure 190 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

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:	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	1.272	1.272	-	-	≥500.0
2440	1.296	1.256	-	-	≥500.0
2480	1.360	1.248	-	-	≥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	2.088	-	-	-
2480	2.088	2.088	-	-	-

Table 48 - 99% Bandwidth Results

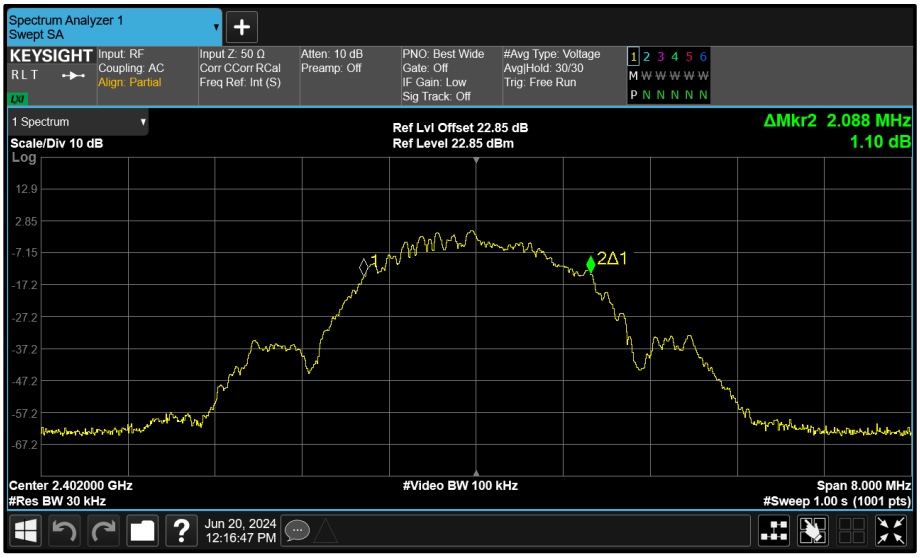

Figure 191 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

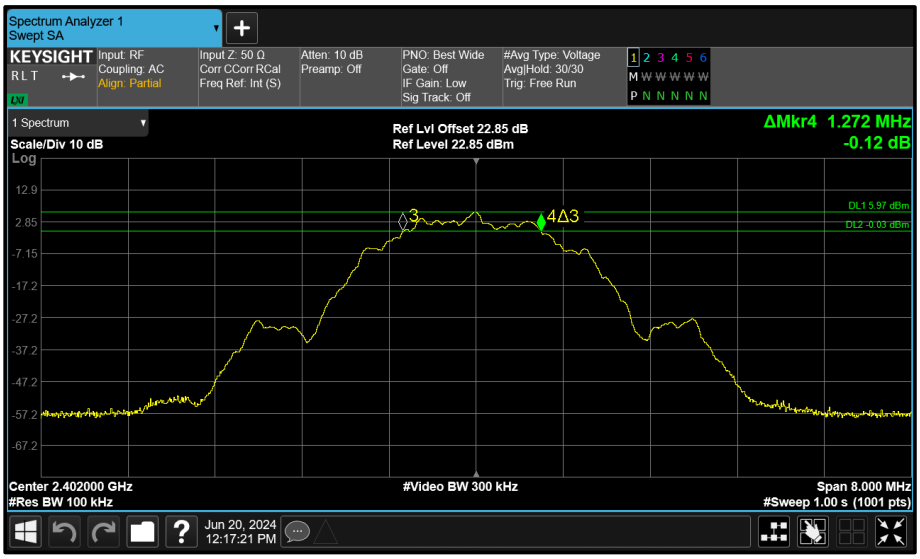

Figure 192 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

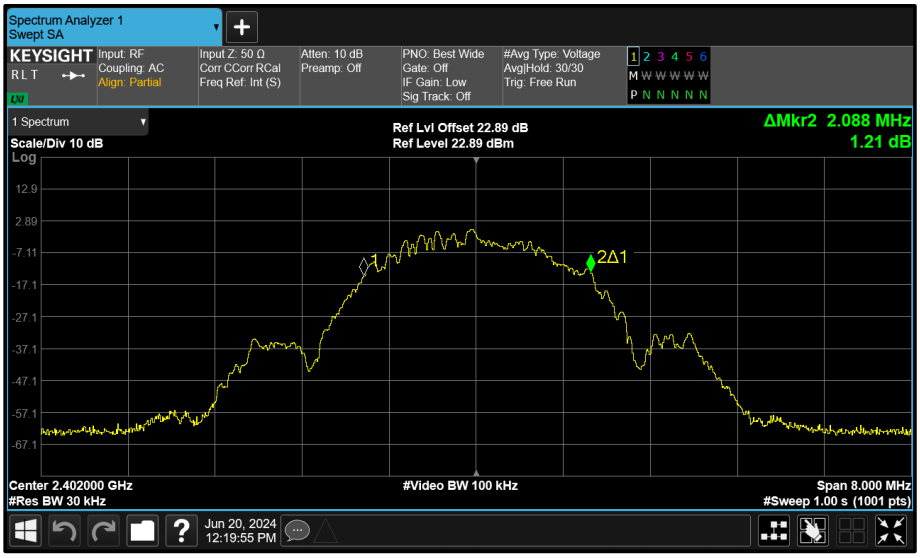

Figure 193 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

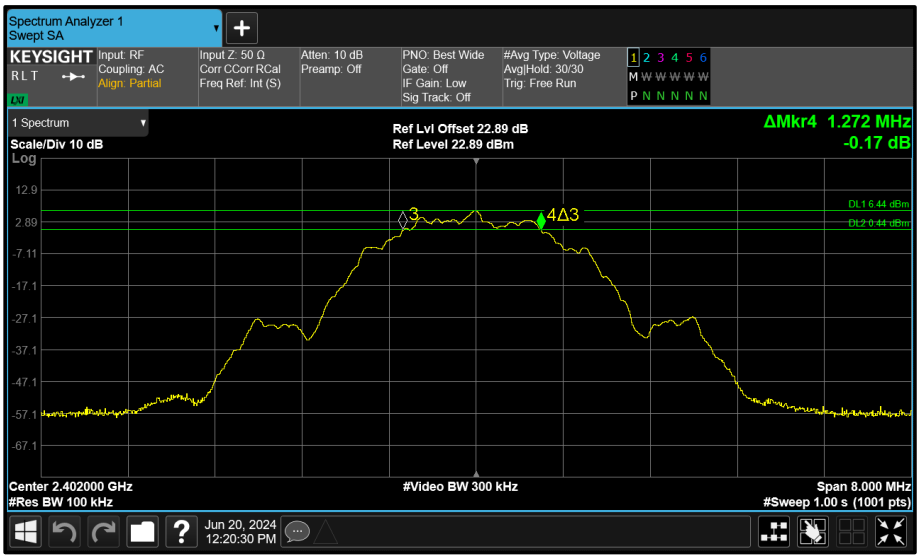

Figure 194 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

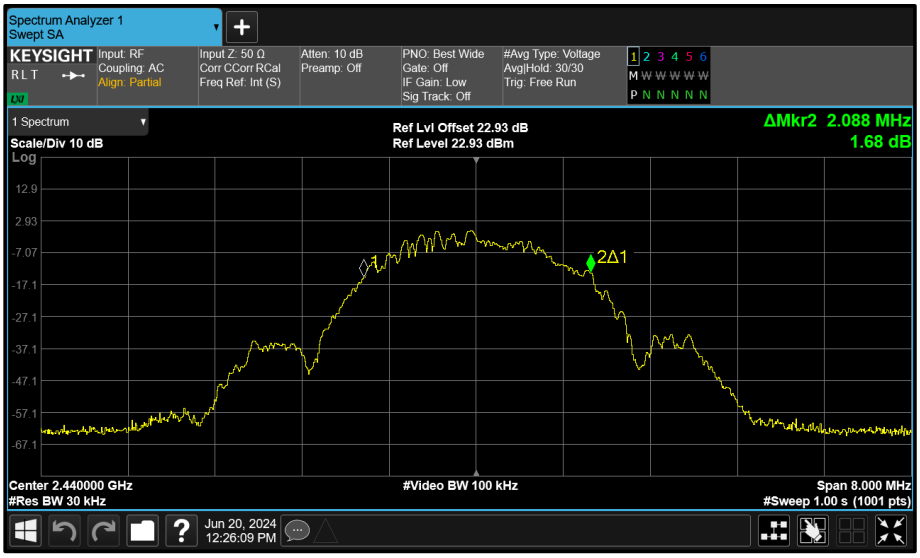

Figure 195 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

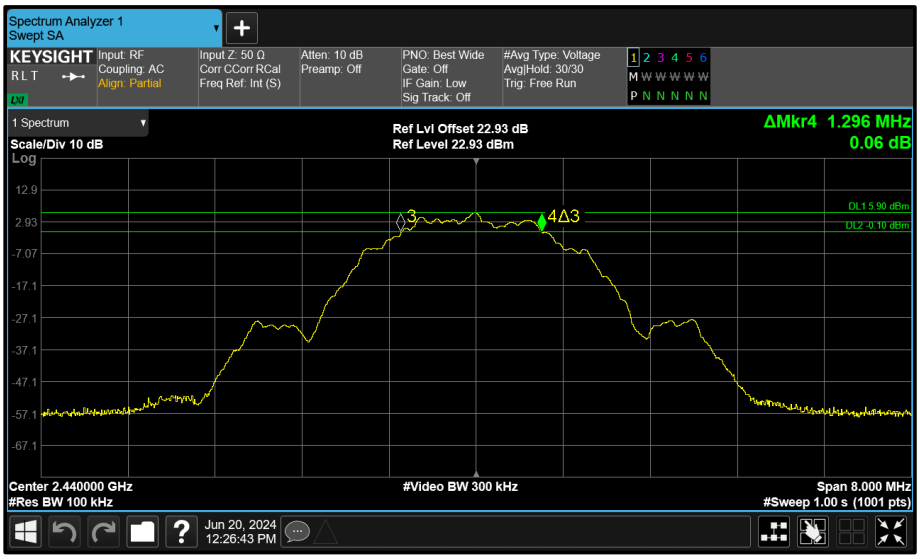

Figure 196 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

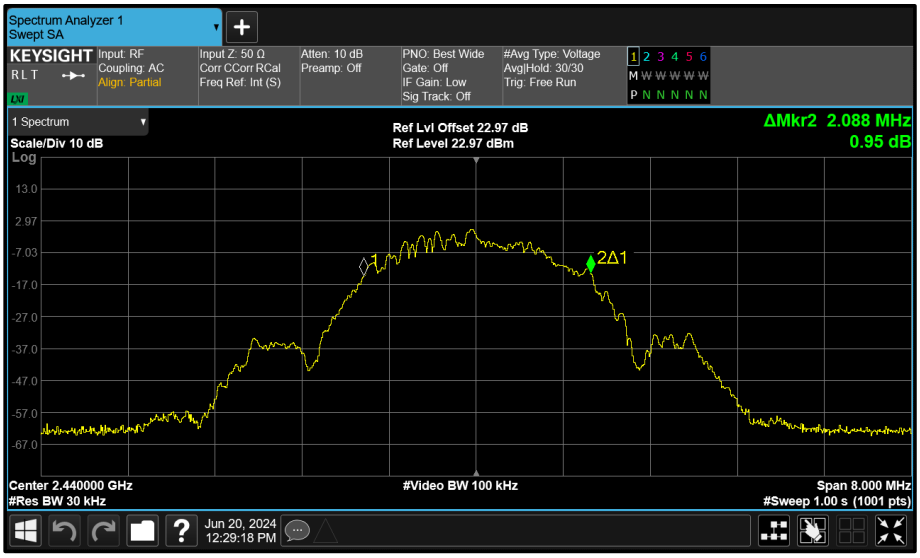

Figure 197 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

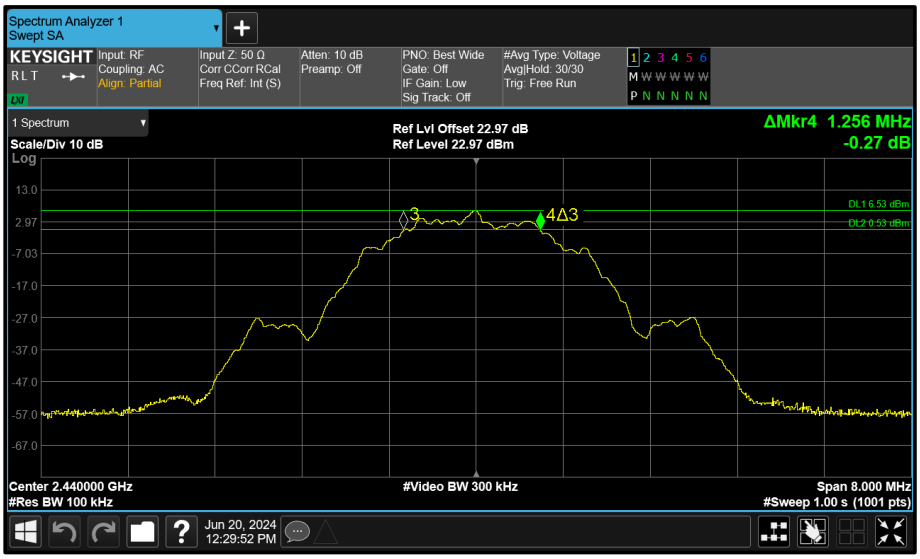

Figure 198 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

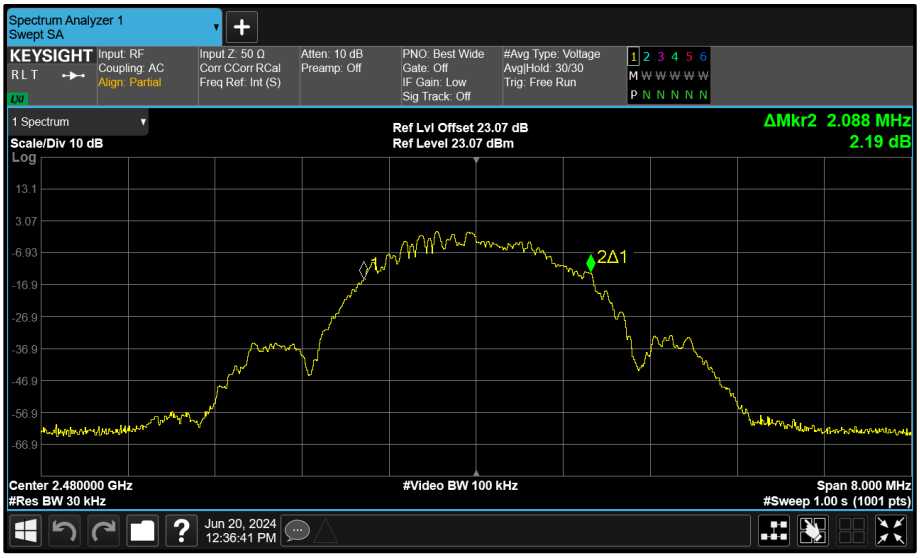

Figure 199 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

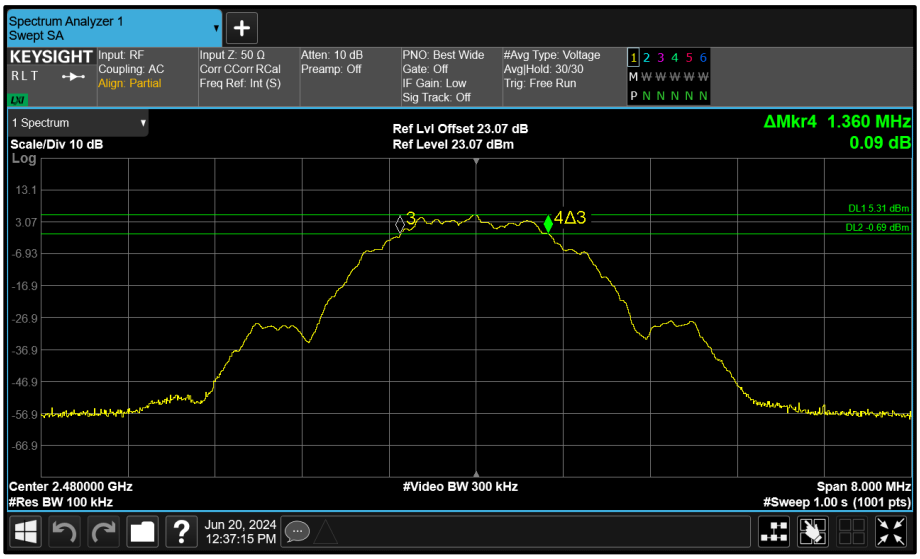

Figure 200 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

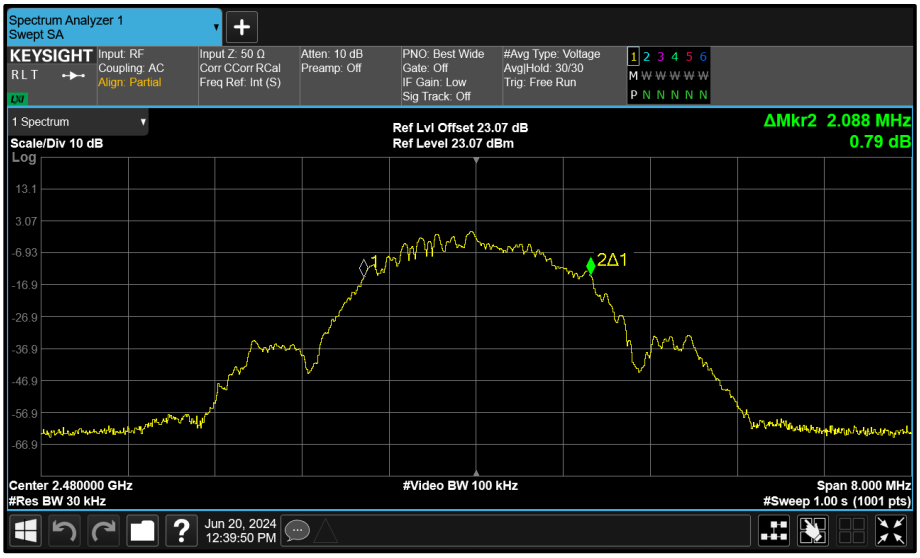

Figure 201 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

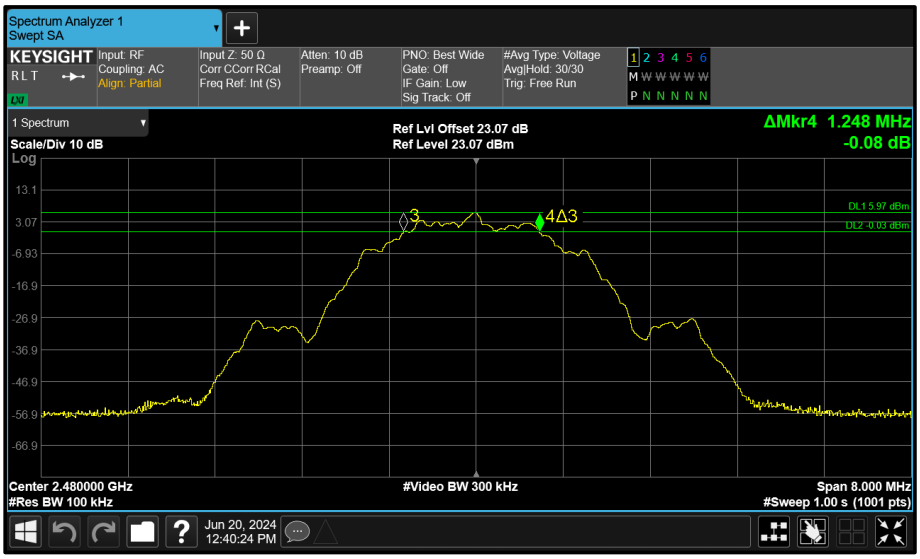

Figure 202 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

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	1.904	-	-	≥500.0
2441	1.912	1.904	-	-	≥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	2.328	-	-	-
2441	2.344	2.328	-	-	-
2476	2.344	2.328	-	-	-

Table 50 - 99% Bandwidth Results

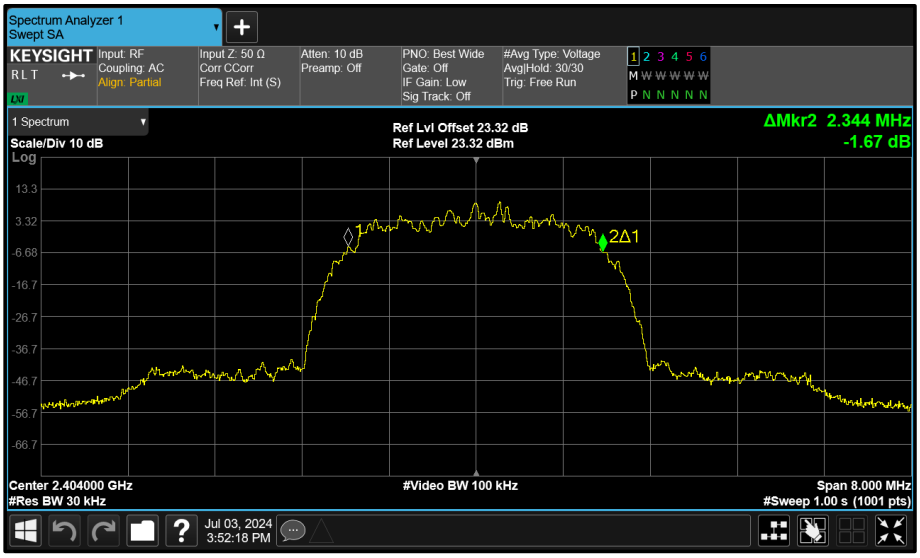

Figure 203 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

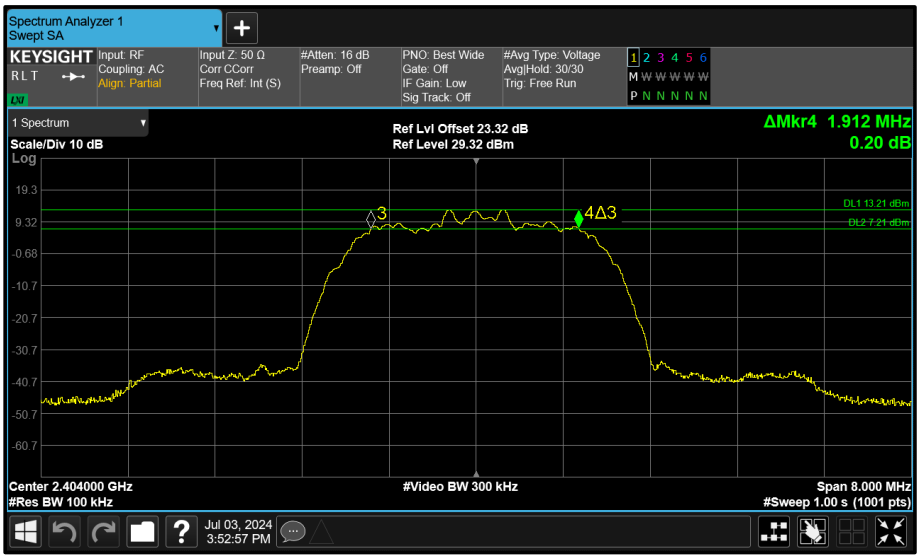

Figure 204 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

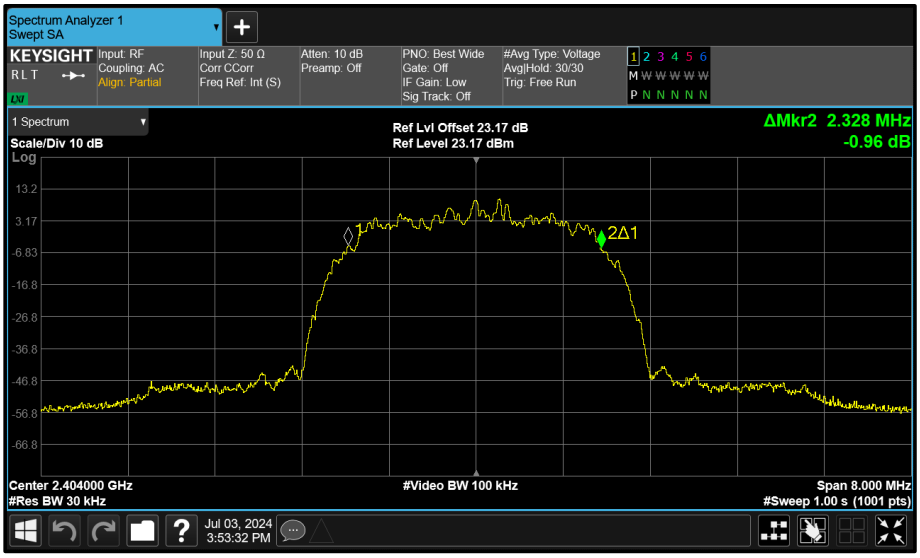

Figure 205 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

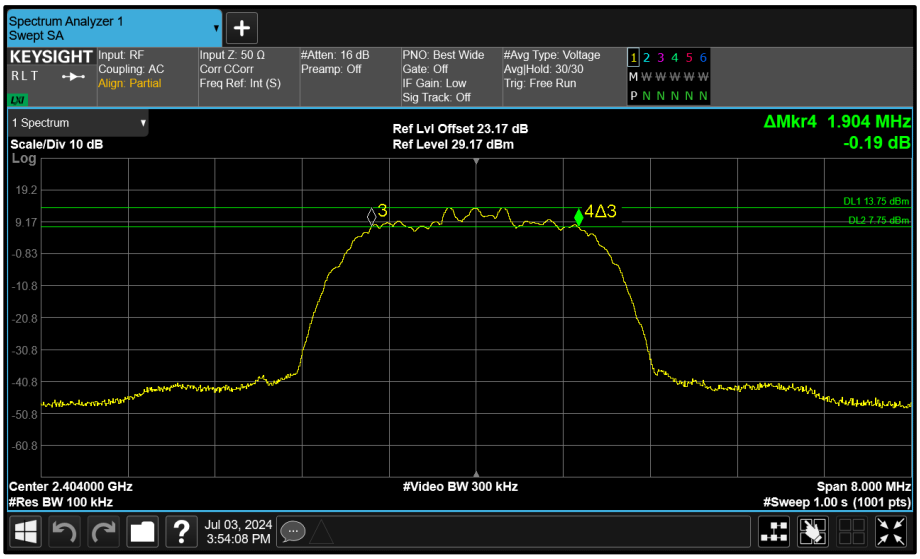

Figure 206 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

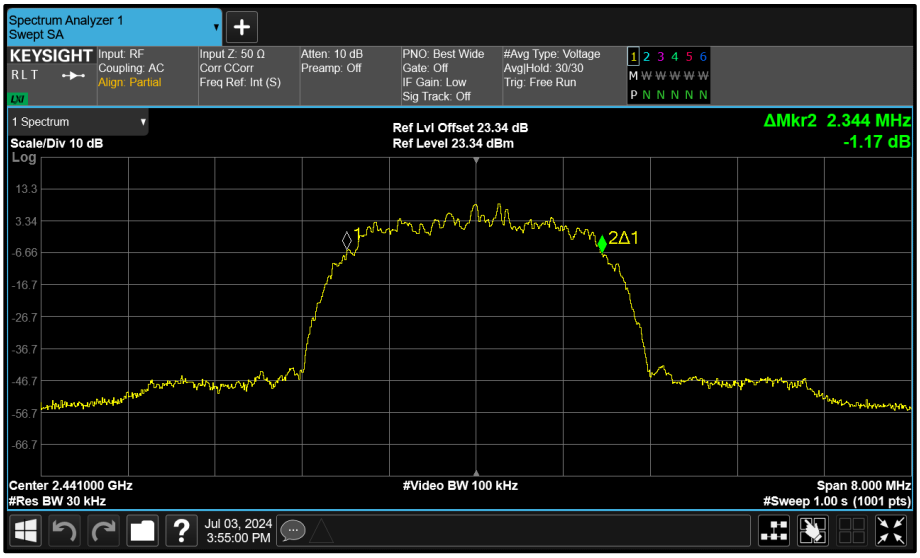

Figure 207 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

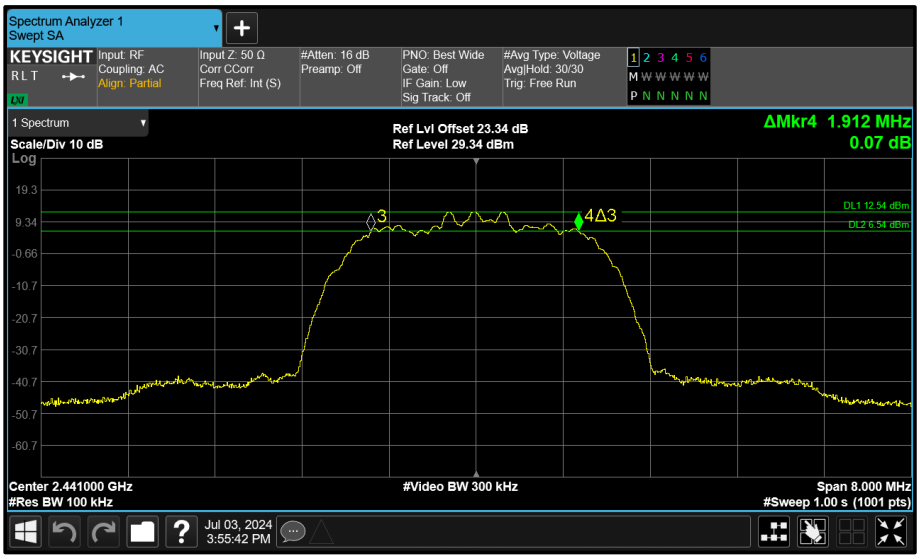

Figure 208 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

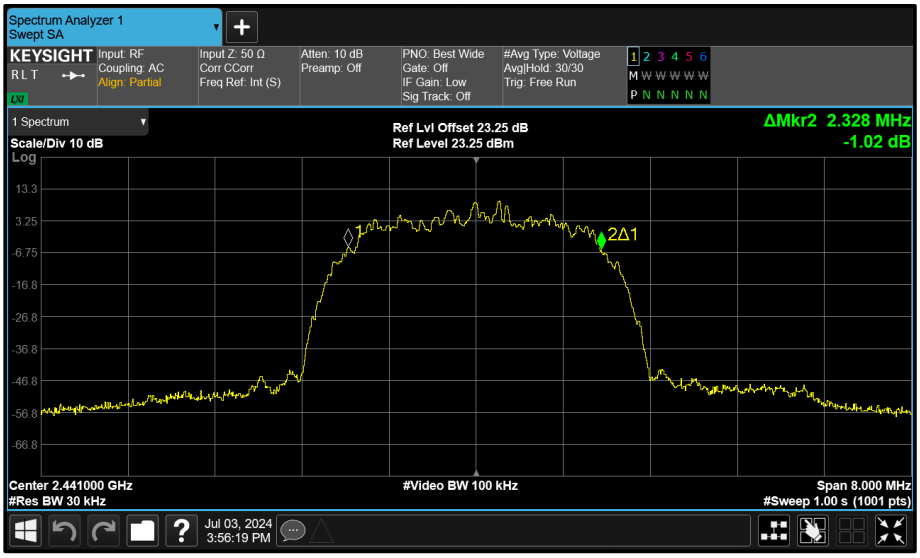

Figure 209 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

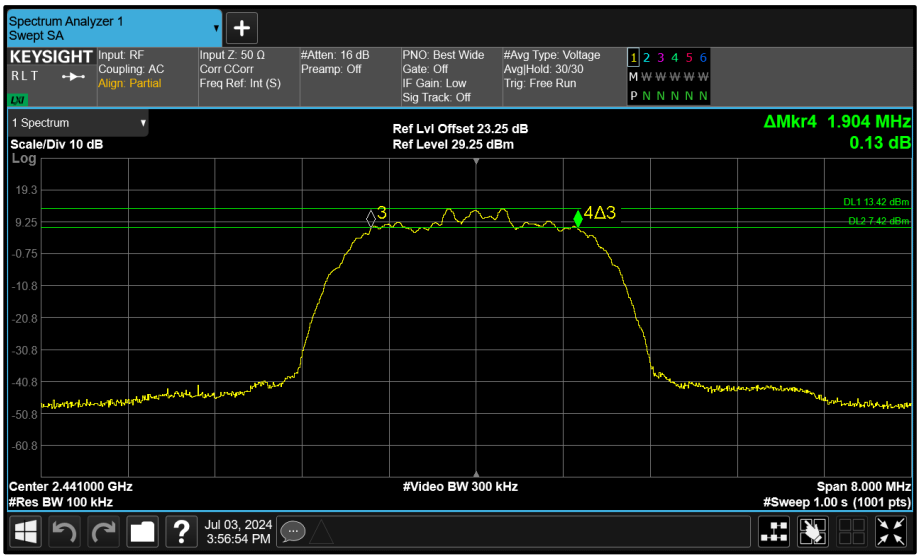

Figure 210 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

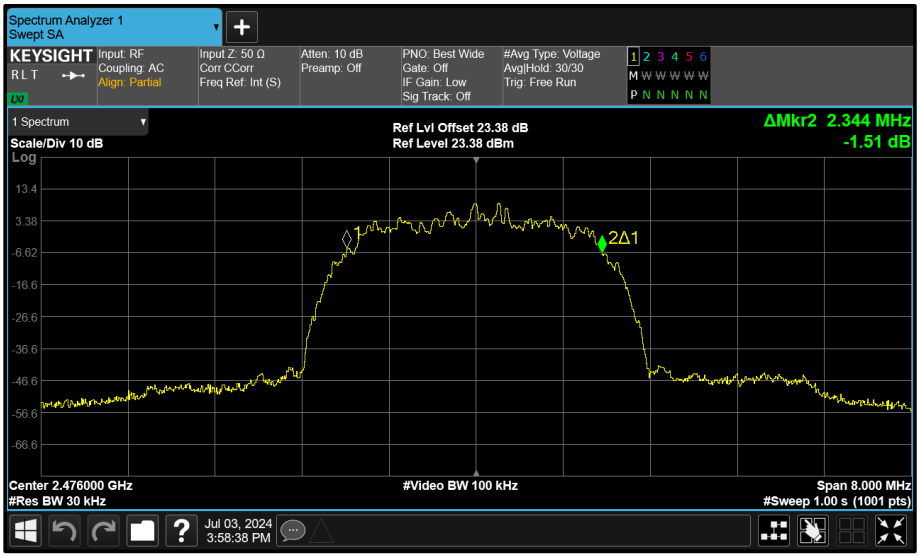

Figure 211 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

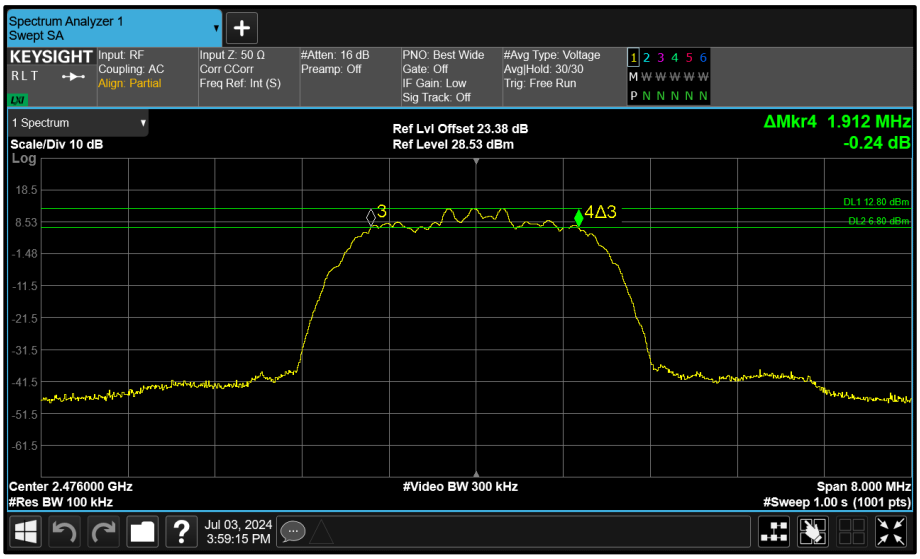

Figure 212 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

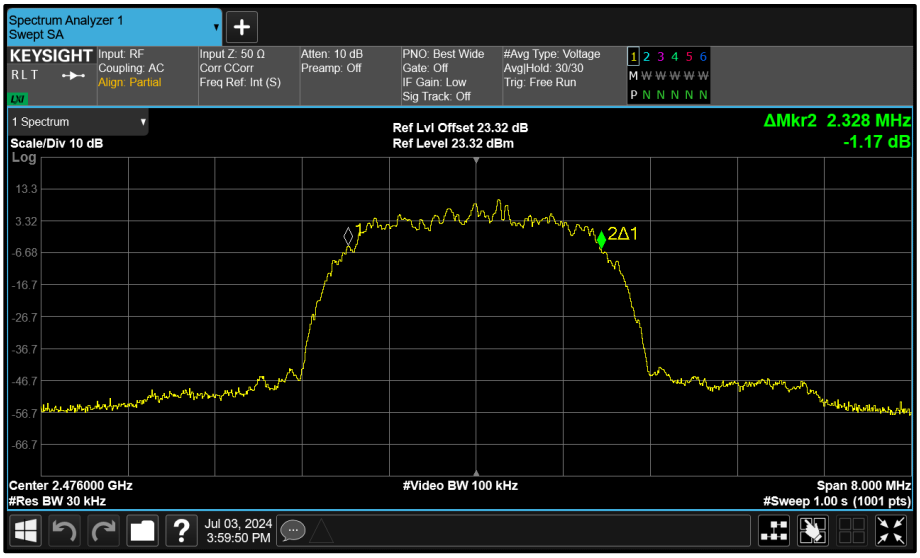

Figure 213 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

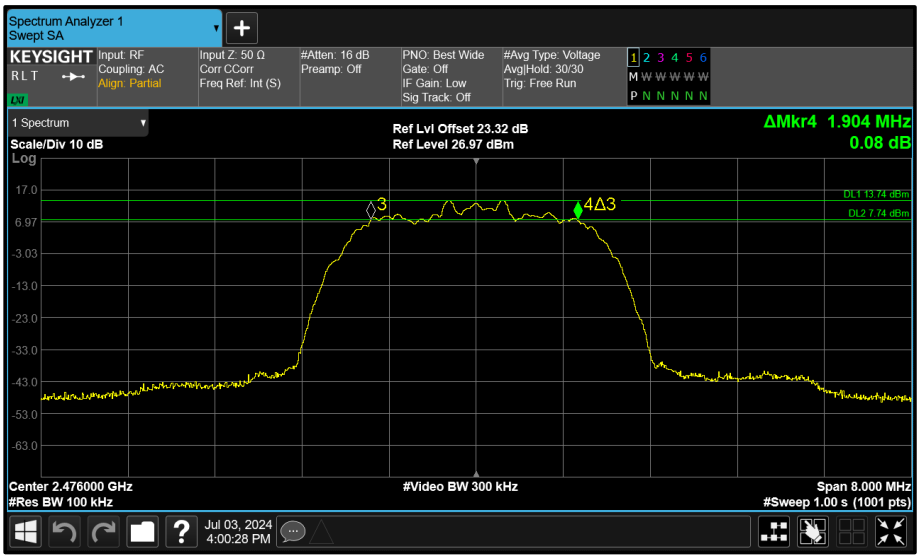

Figure 214 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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 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	0.960	-	-	≥500.0
2441	1.005	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	4.710	4.620	-	-	-
2441	4.710	4.635	-	-	-
2476	4.710	4.635	-	-	-

Table 52 - 99% Bandwidth Results

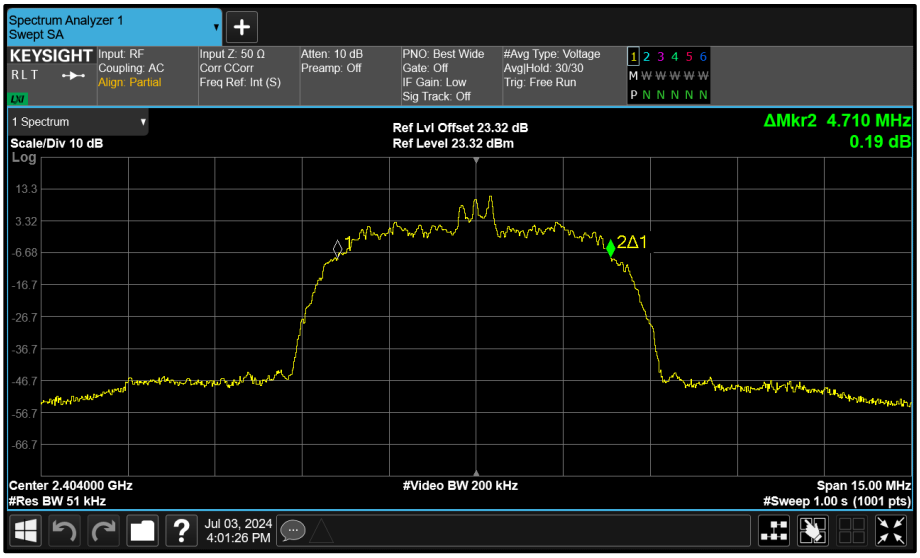

Figure 215 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

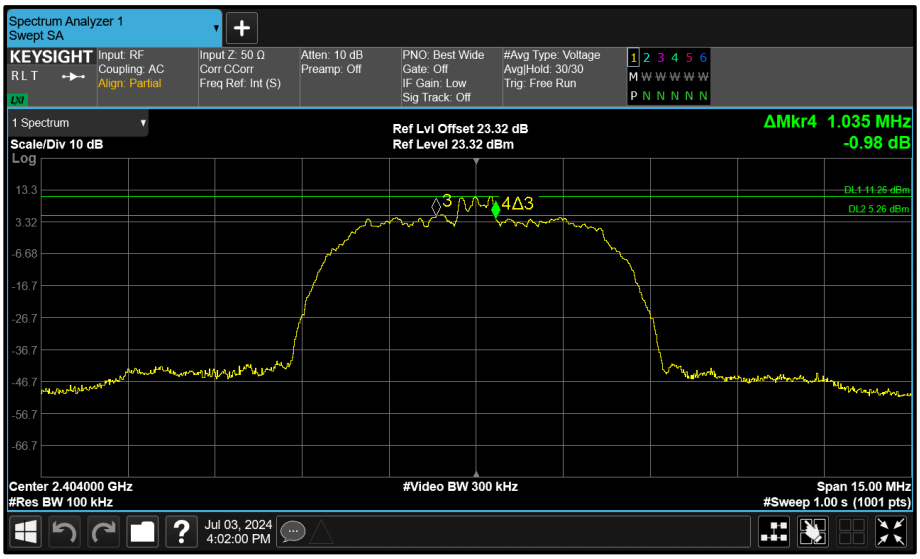

Figure 216 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

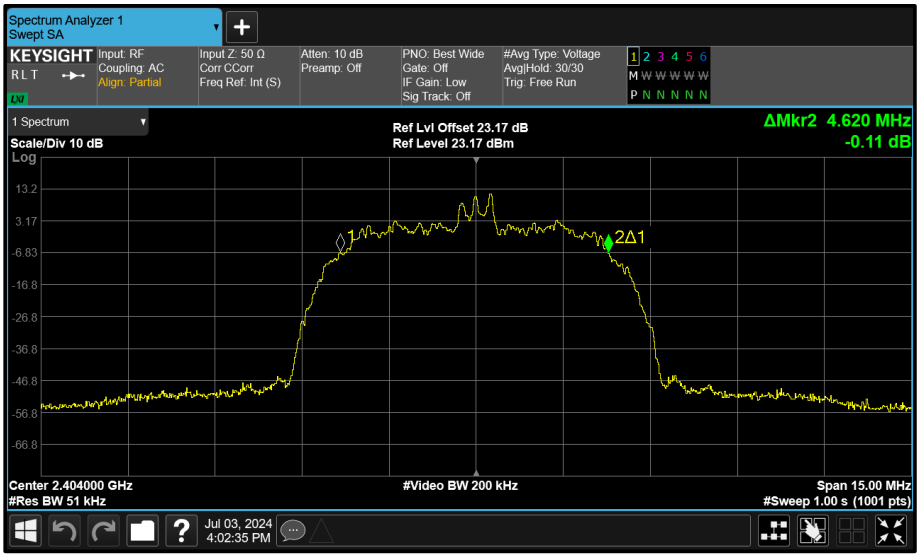

Figure 217 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

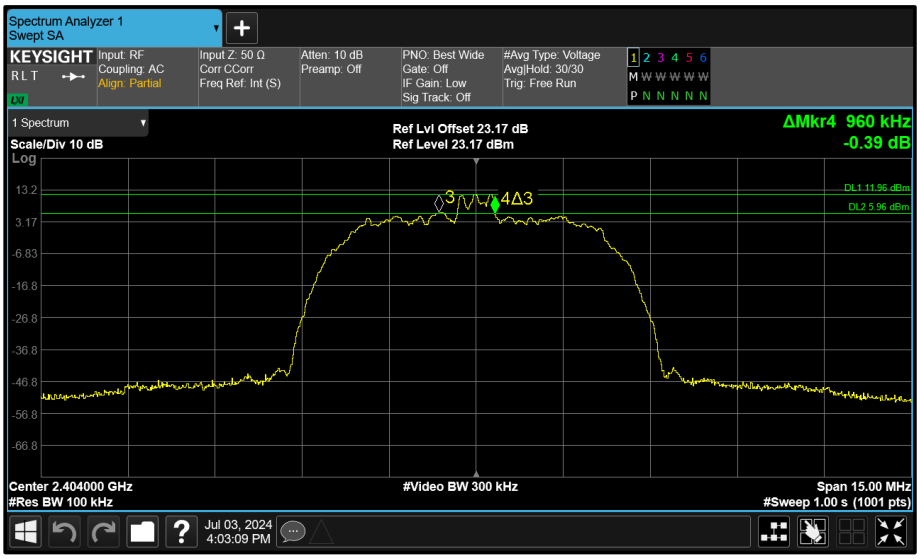

Figure 218 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

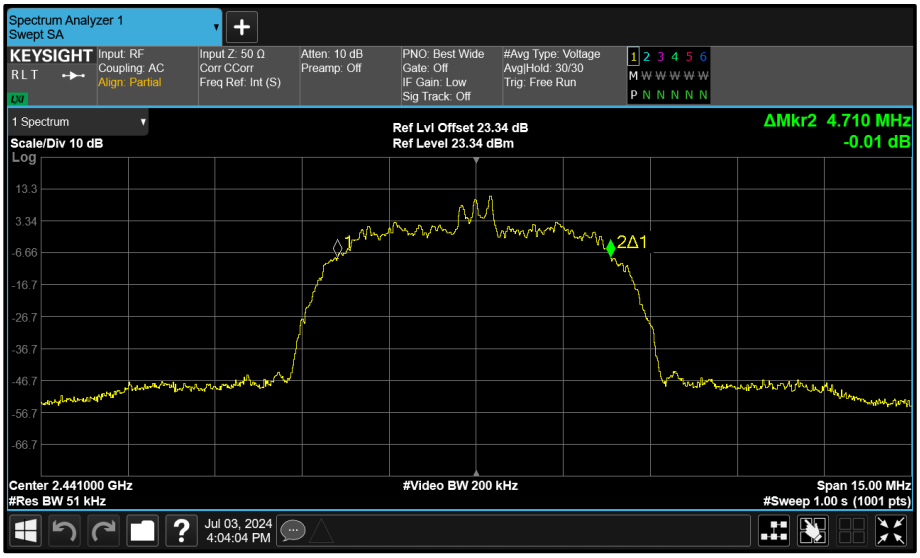

Figure 219 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

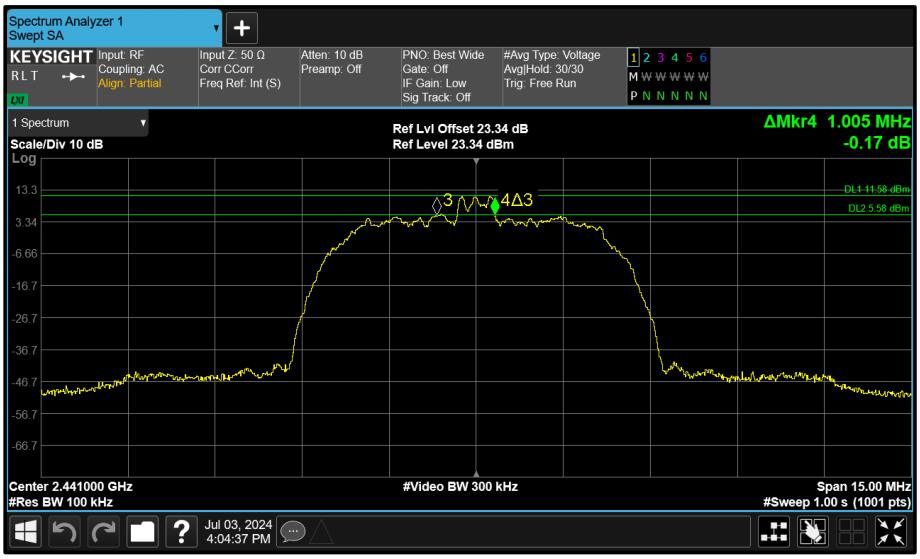

Figure 220 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

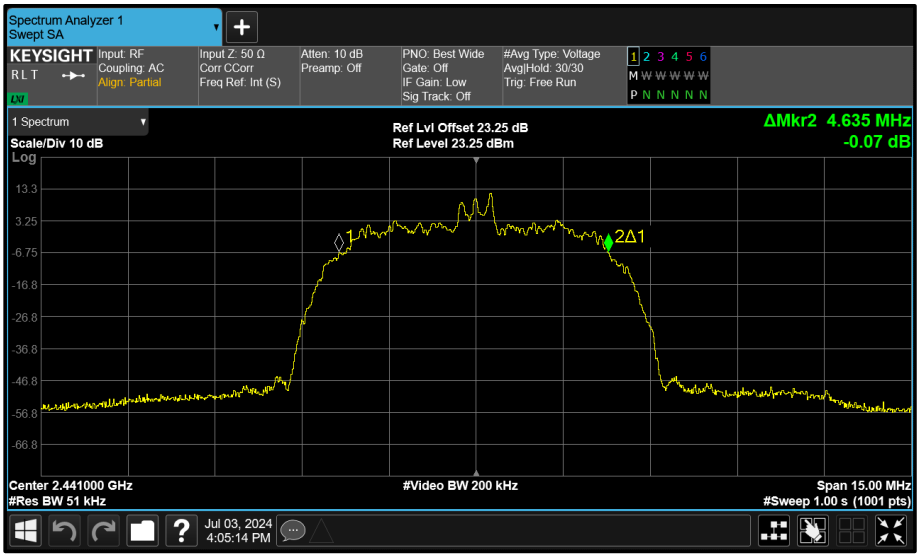

Figure 221 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

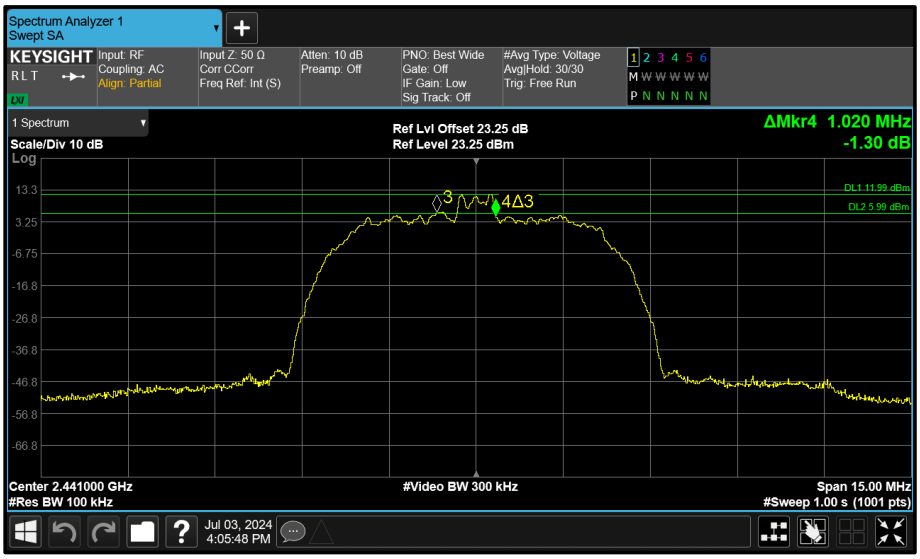

Figure 222 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

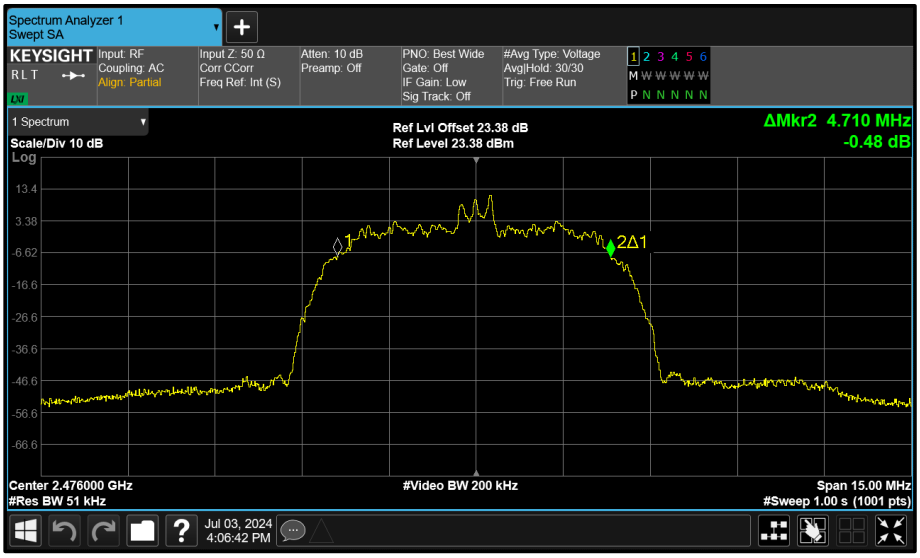

Figure 223 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

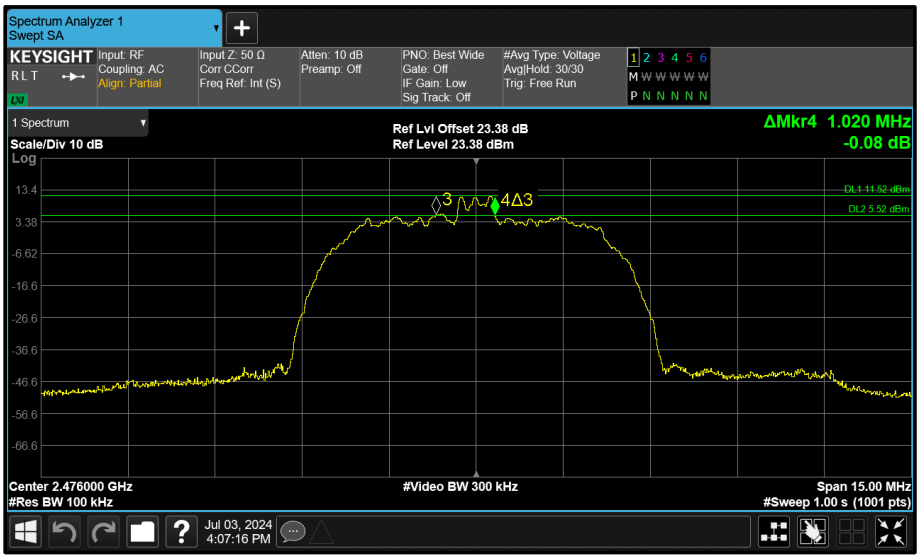

Figure 224 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

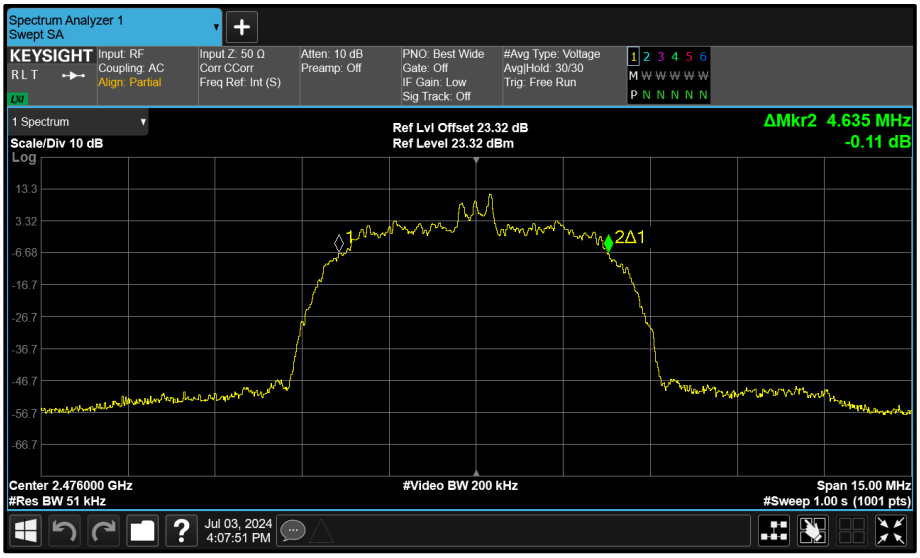

Figure 225 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

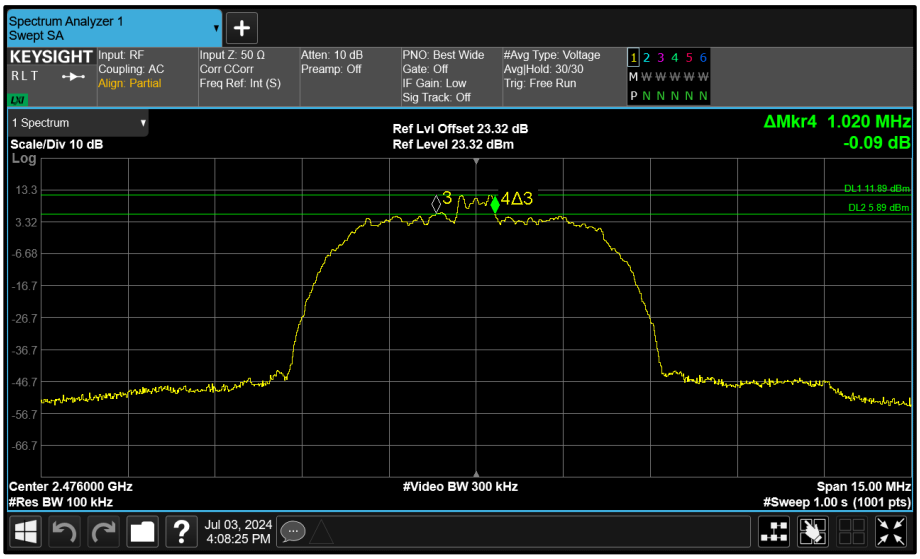

Figure 226 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth

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	0.724	-	-	≥500.0
2440	0.728	0.728	-	-	≥500.0
2480	0.724	0.728	-	-	≥500.0

Table 53 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.040	1.036	-	-	-
2440	1.040	1.040	-	-	-
2480	1.044	1.040	-	-	-

Table 54 - 99% Bandwidth Results

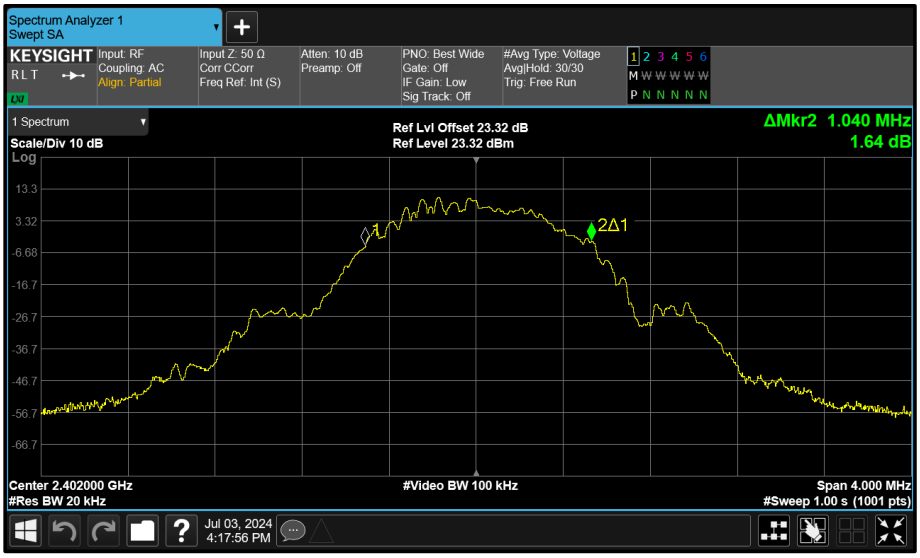

Figure 227 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

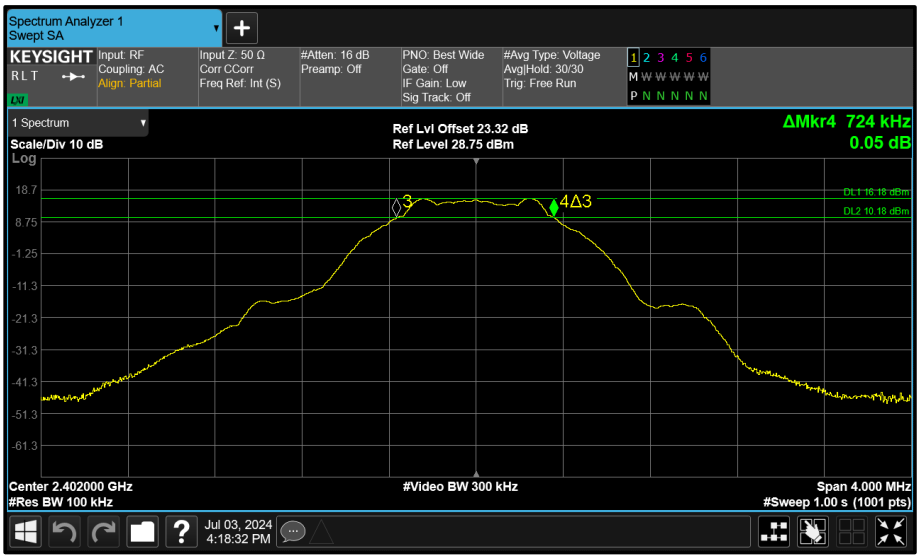

Figure 228 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

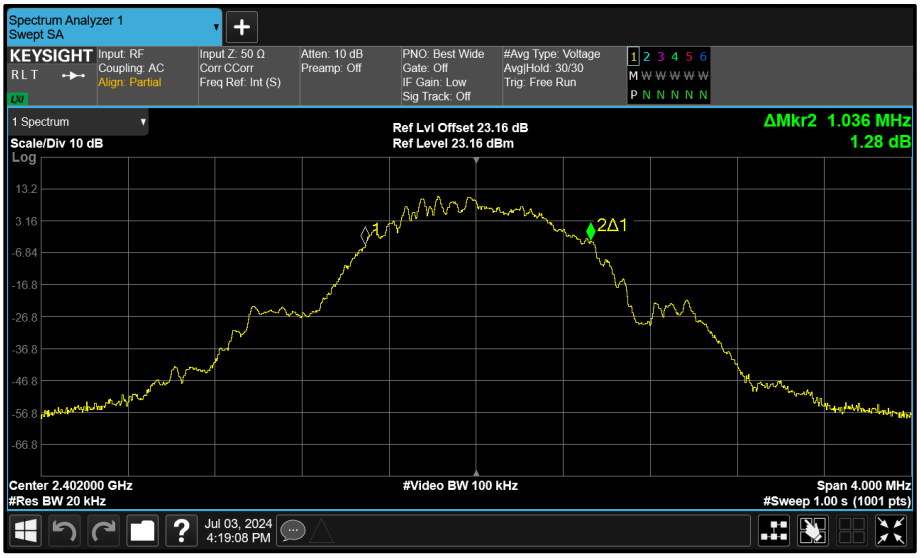

Figure 229 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

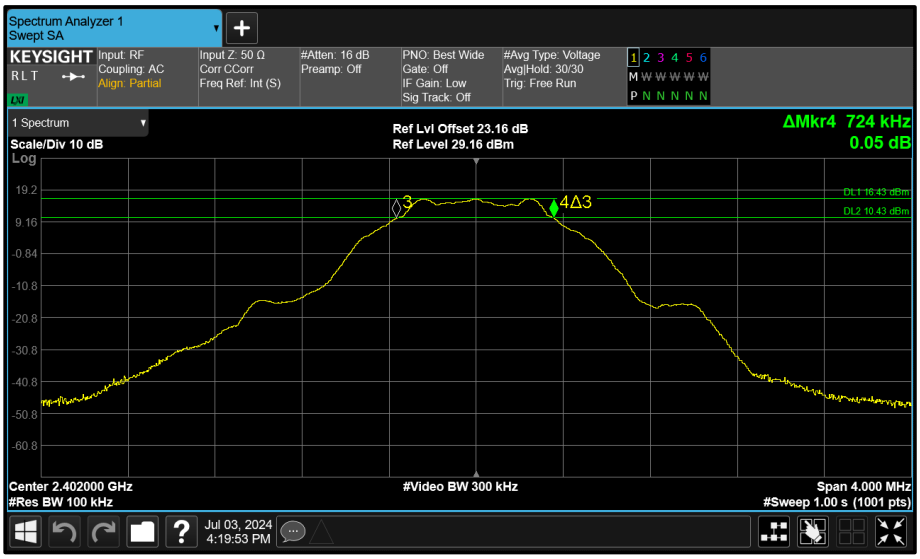

Figure 230 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth