

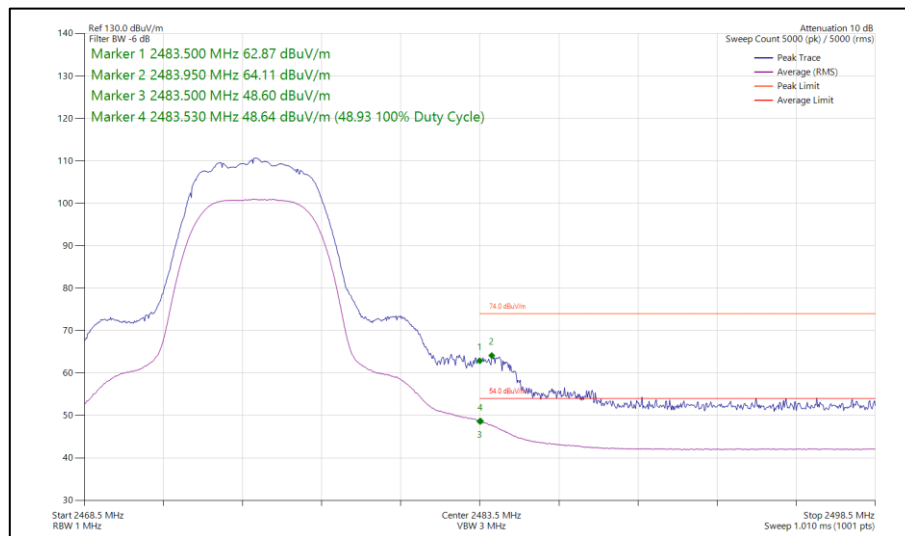


**Figure 191 - Bluetooth HDRPM12, MIMO, Core 0-2 - 2475 MHz
Band Edge Frequency 2483.5 MHz**

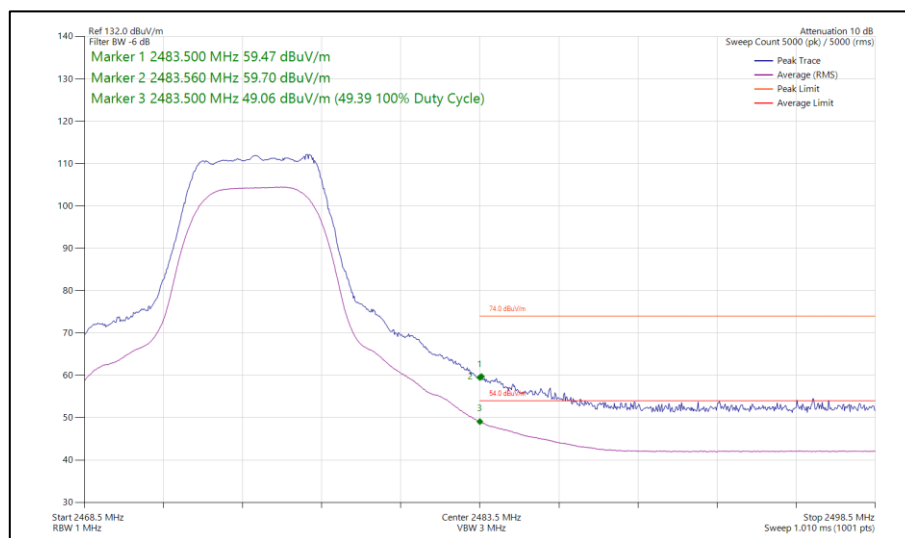


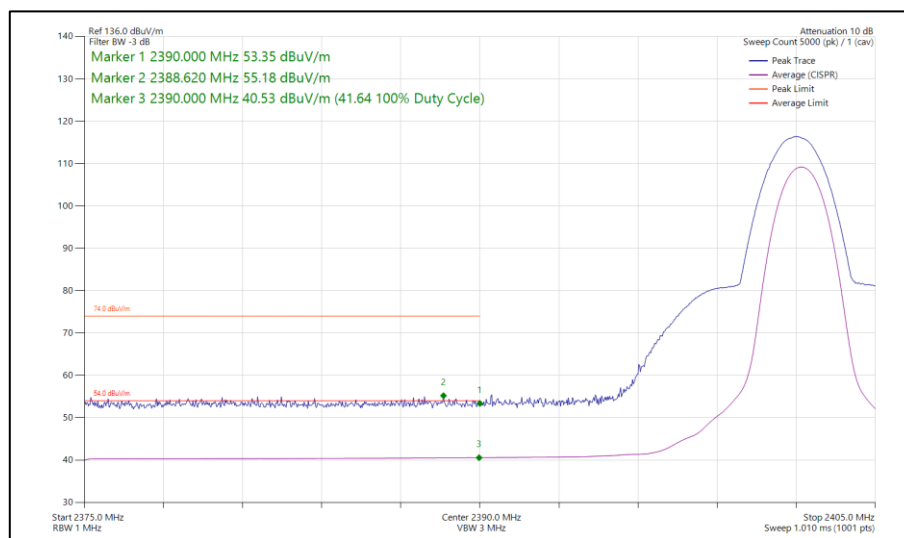
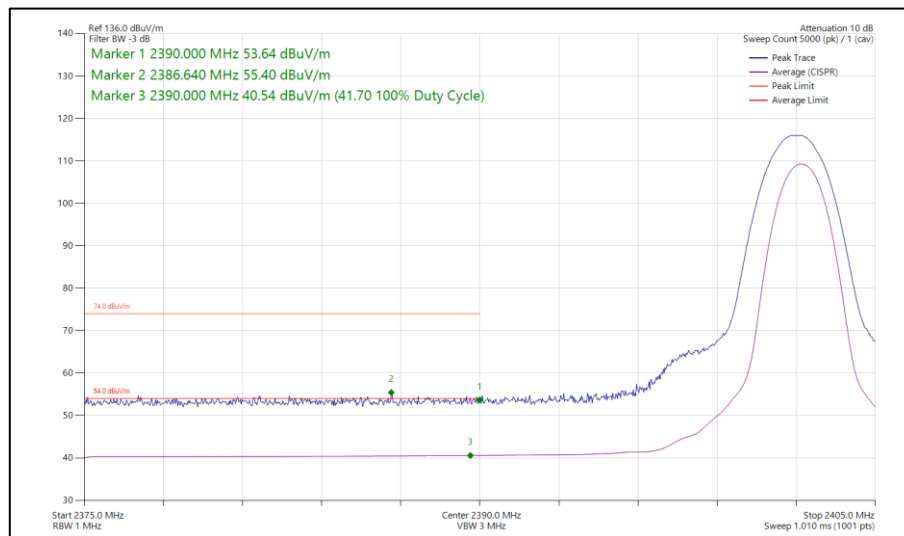
**Figure 192 - Bluetooth XHDRPM8, MIMO, Core 0-2 - 2475 MHz
Band Edge Frequency 2483.5 MHz**

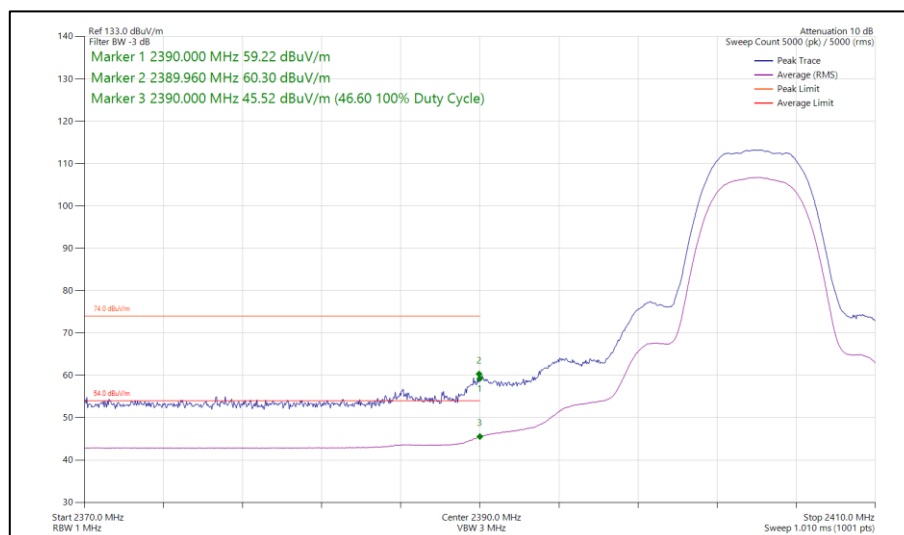
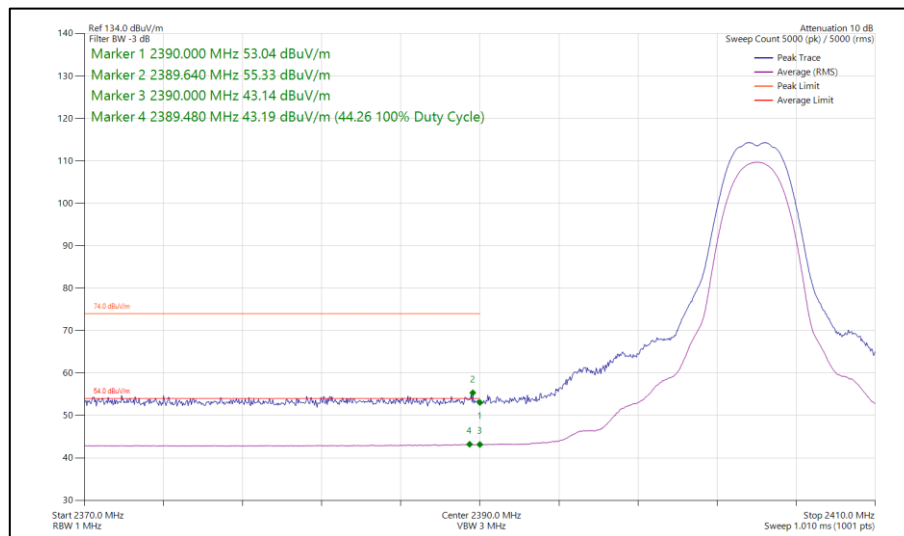


iPA - Core 1-2 (MIMO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBuV/m)
Static	2DH5	2402	2390	55.40	41.70
Static	3DH5	2402	2390	53.18	41.64
Static	HDR4	2404	2390	55.33	43.19
Static	HDR8	2404	2390	60.30	46.60
Static	LE1M	2402	2390	55.17	43.89
Static	LE2M	2404	2390	55.76	45.50
Static	HDT3	2404	2390	61.21	48.77
Static	HDT4	2404	2390	62.13	48.44
Static	HDT6	2404	2390	66.27	51.31
Static	HDRPS2	2404	2390	55.01	43.55
Static	HDRPM12	2404	2390	54.77	43.64
Static	XHDRPM8	2404	2390	56.04	44.69
Static	2DH5	2480	2483.5	64.37	48.10
Static	3DH5	2480	2483.5	64.91	46.98
Static	HDR4	2476	2483.5	62.73	48.57
Static	HDR8	2476	2483.5	61.28	51.22
Static	LE1M	2480	2483.5	55.76	45.24
Static	LE2M	2478	2483.5	57.56	48.20
Static	HDT3	2476	2483.5	64.96	44.39
Static	HDT4	2476	2483.5	68.55	48.81
Static	HDT6	2476	2483.5	67.23	50.07
Static	HDRPS2	2476	2483.5	59.48	47.30
Static	HDRPM12	2475	2483.5	64.83	49.39
Static	XHDRPM8	2475	2483.5	60.31	49.31

Table 15 - MIMO Restricted Band Edge Results





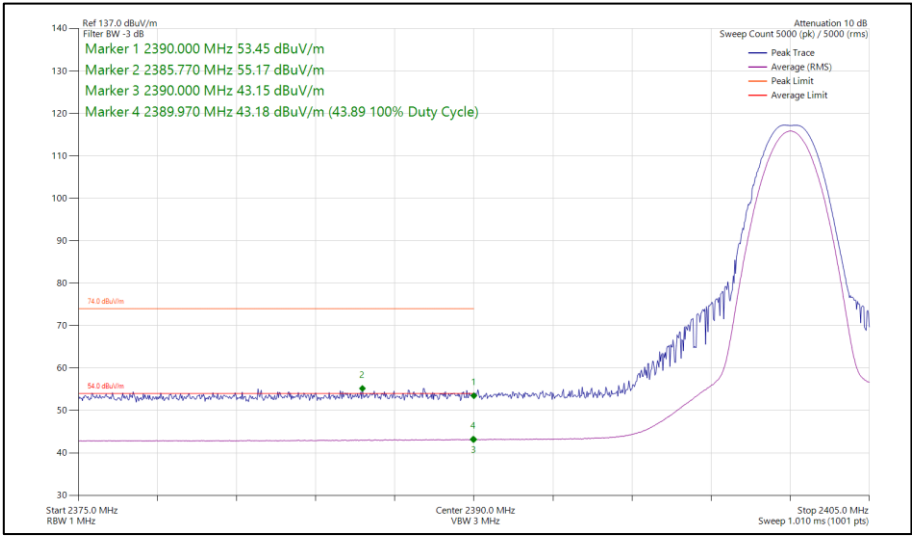


Figure 197 - Bluetooth LE1M, MIMO, Core 1-2 - 2402 MHz
Band Edge Frequency 2390 MHz

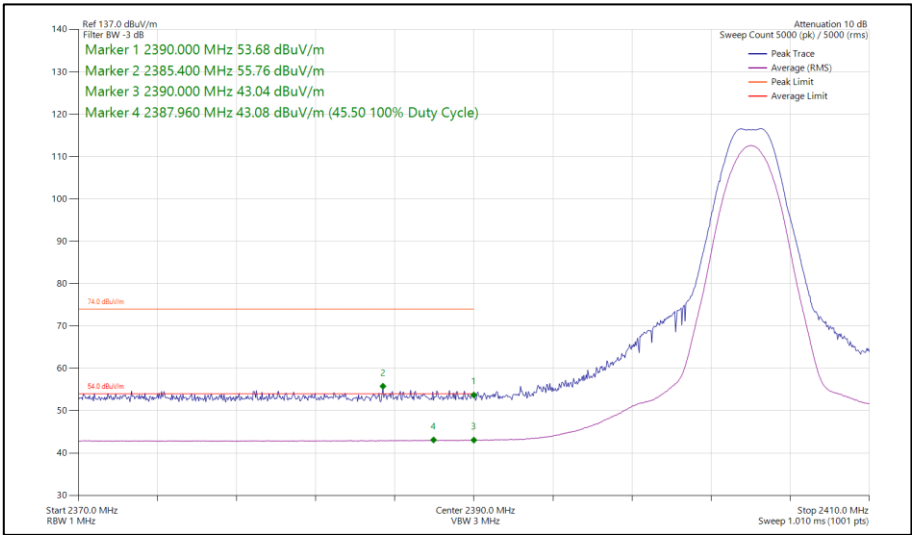


Figure 198 - Bluetooth LE2M, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2390 MHz

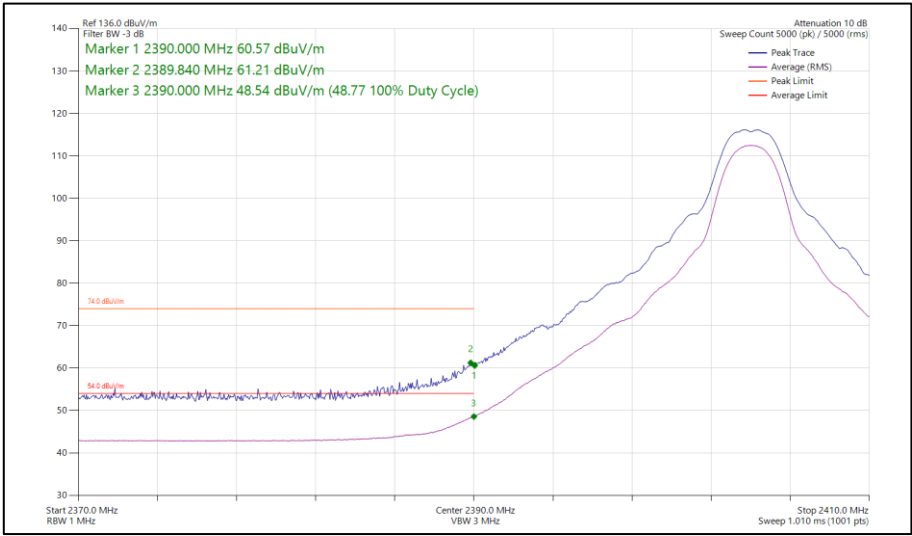


**Figure 199 - Bluetooth HDT3, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2390 MHz**

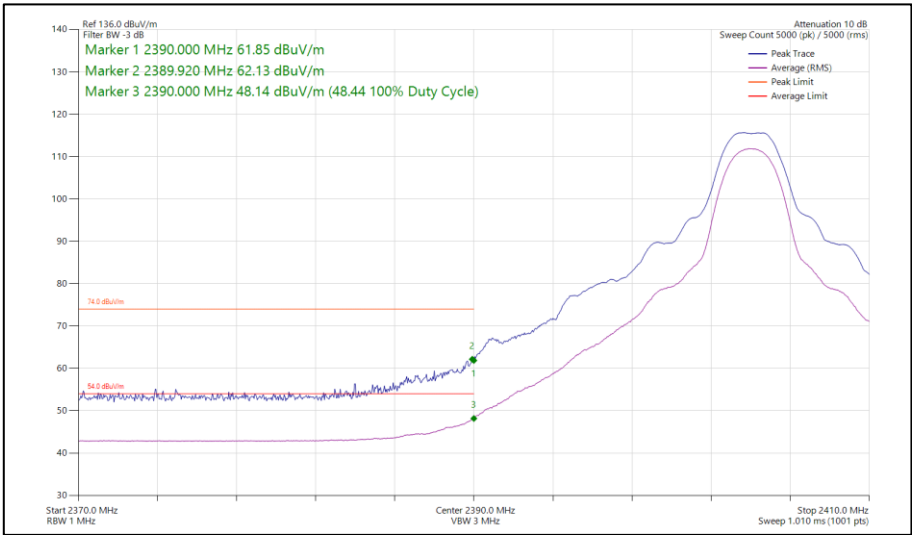


**Figure 200 - Bluetooth HDT4, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2390 MHz**

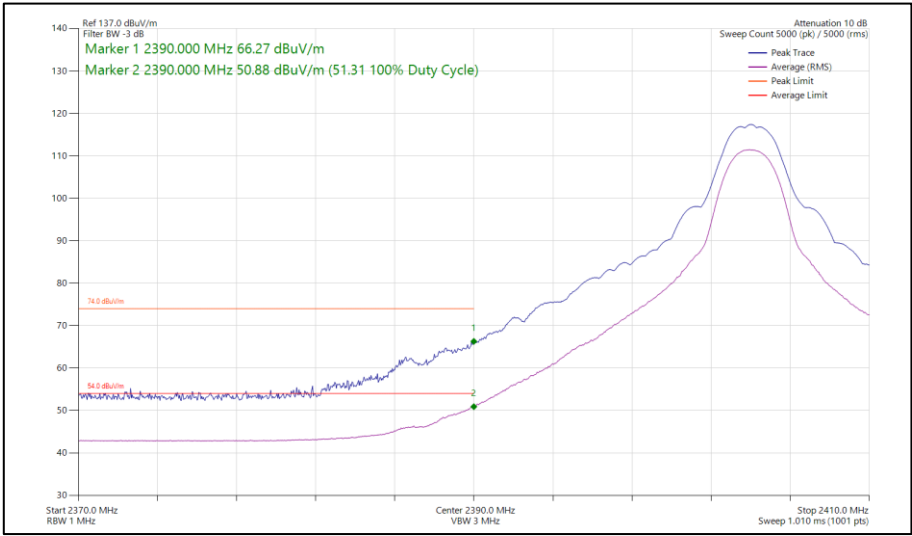


Figure 201 - Bluetooth HDT6, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2390 MHz

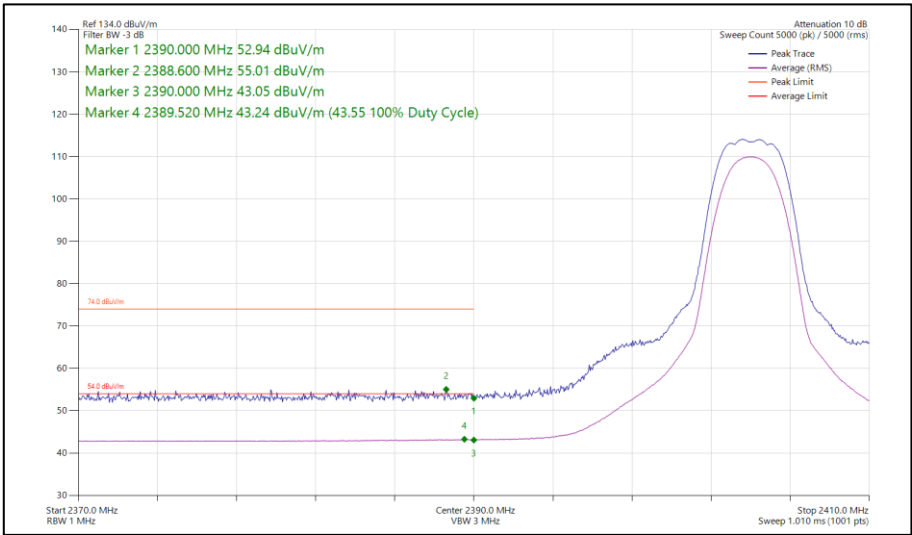


Figure 202 - Bluetooth HDRPS2, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2390 MHz

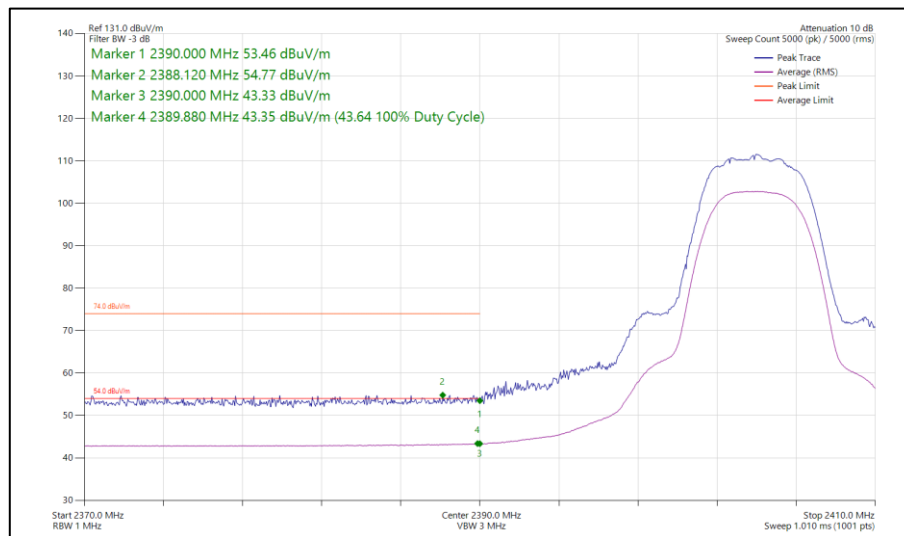


**Figure 203 - Bluetooth HDRPM12, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2390 MHz**

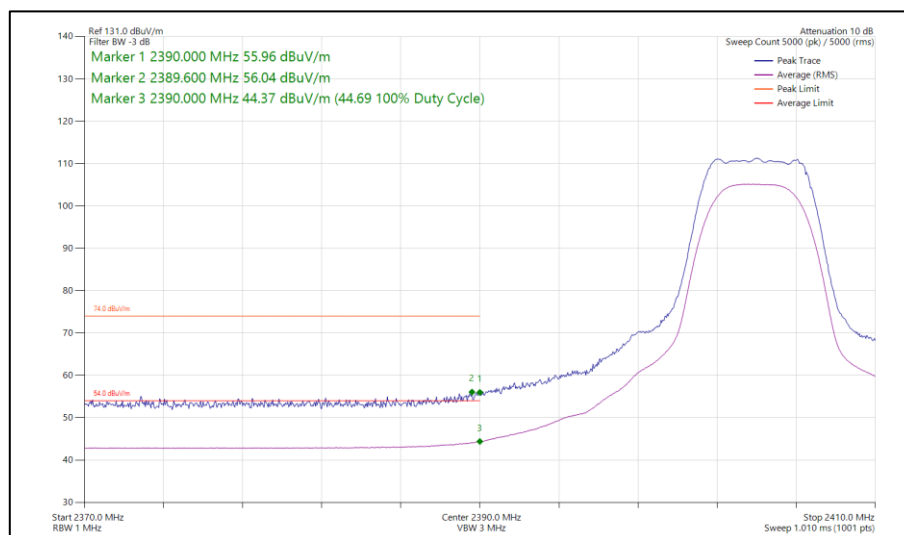


**Figure 204 - Bluetooth XHDRPM8, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2390 MHz**

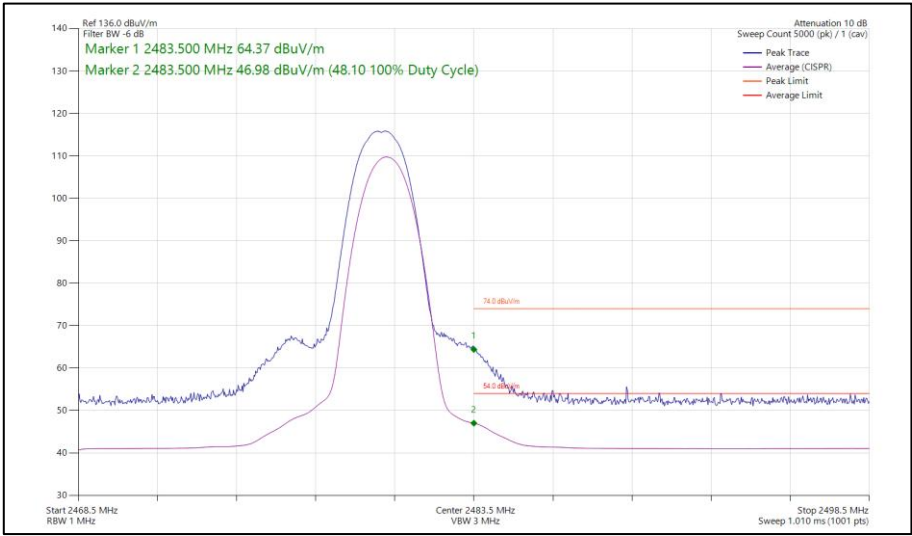


Figure 205 - Bluetooth 2DH5, MIMO, Core 1-2 - 2480 MHz
Band Edge Frequency 2483.5 MHz

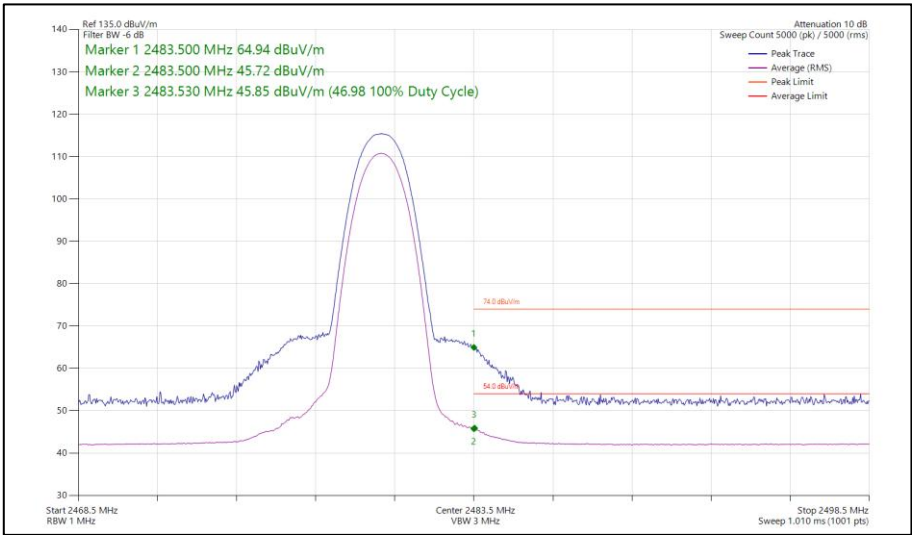


Figure 206 - Bluetooth 3DH5, MIMO, Core 1-2 - 2480 MHz
Band Edge Frequency 2483.5 MHz

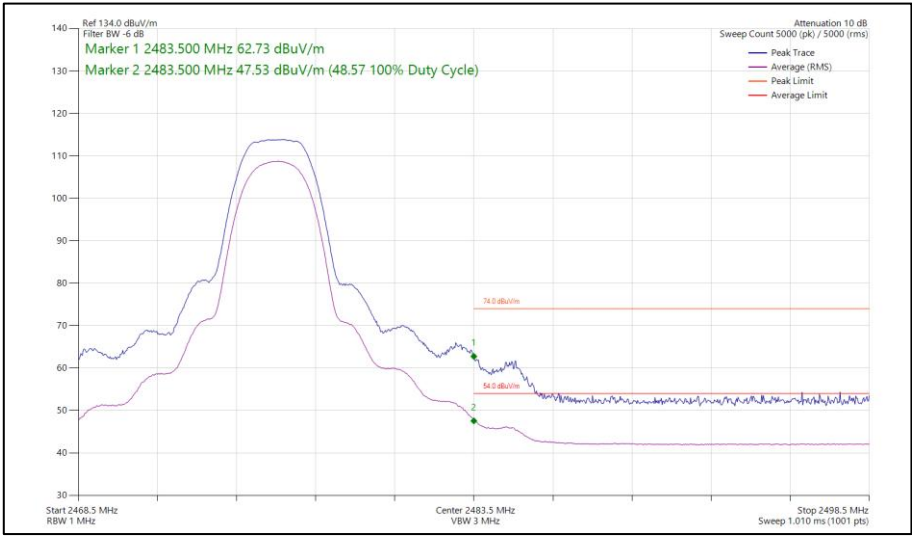


Figure 207 - Bluetooth HDR4, MIMO, Core 1-2 - 2476 MHz
Band Edge Frequency 2483.5 MHz

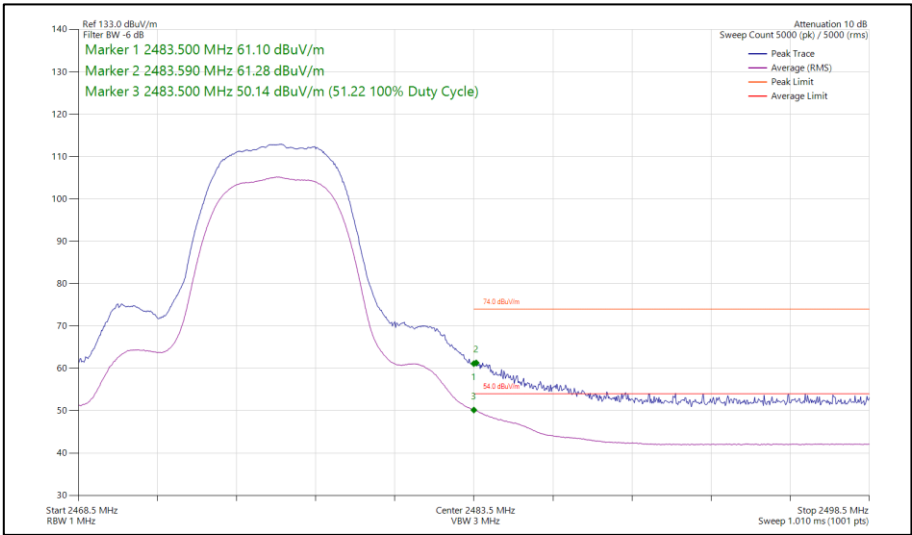


Figure 208 - Bluetooth HDR8, MIMO, Core 1-2 - 2476 MHz
Band Edge Frequency 2483.5 MHz

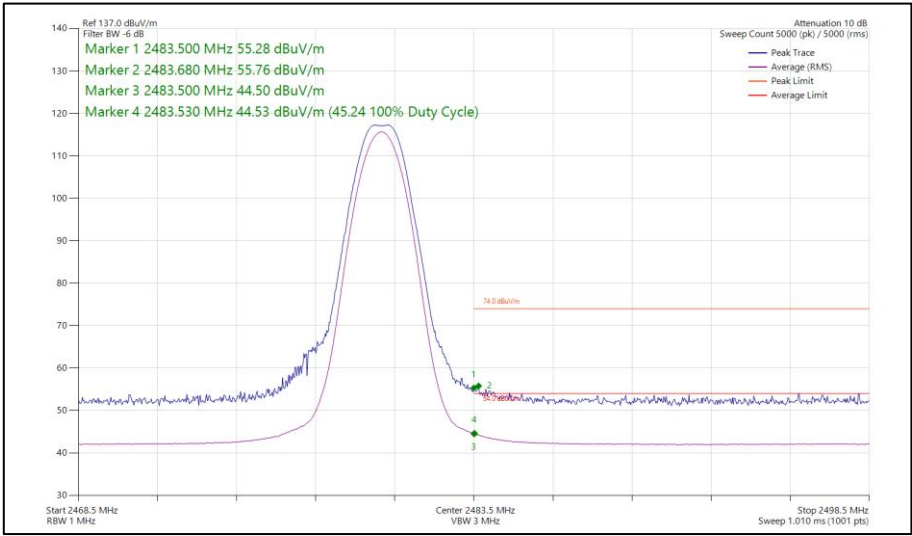


**Figure 209 - Bluetooth LE1M, MIMO, Core 1-2 - 2480 MHz
Band Edge Frequency 2483.5 MHz**

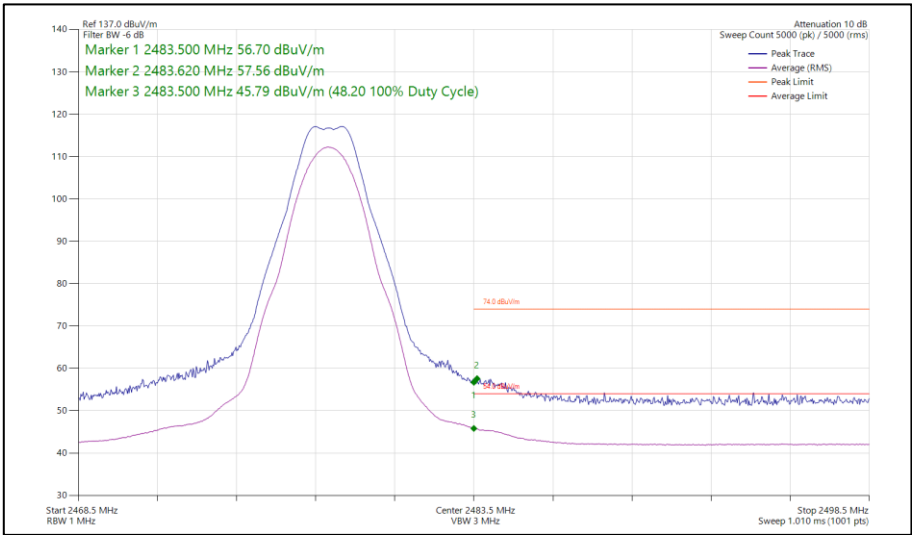


**Figure 210 - Bluetooth LE2M, MIMO, Core 1-2 - 2478 MHz
Band Edge Frequency 2483.5 MHz**

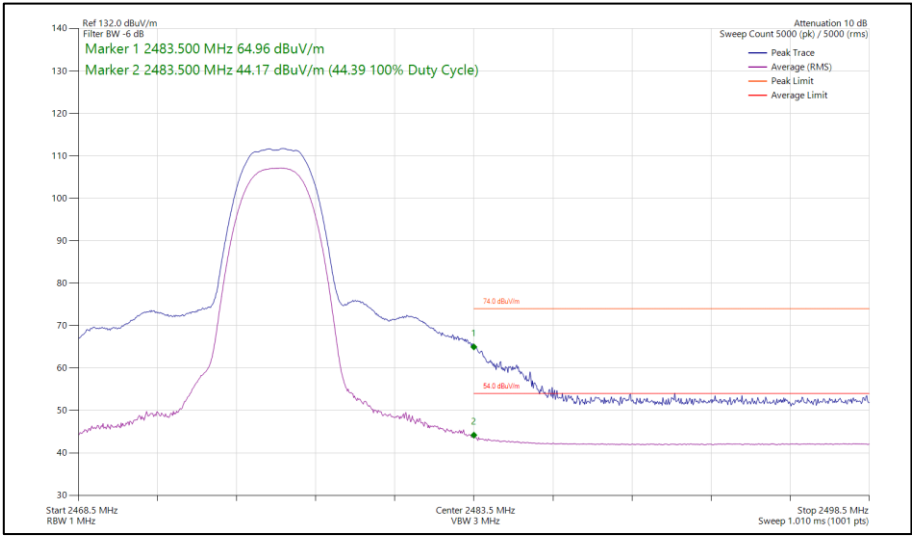


**Figure 211 - Bluetooth HDT3, MIMO, Core 1-2 - 2476 MHz
Band Edge Frequency 2483.5 MHz**

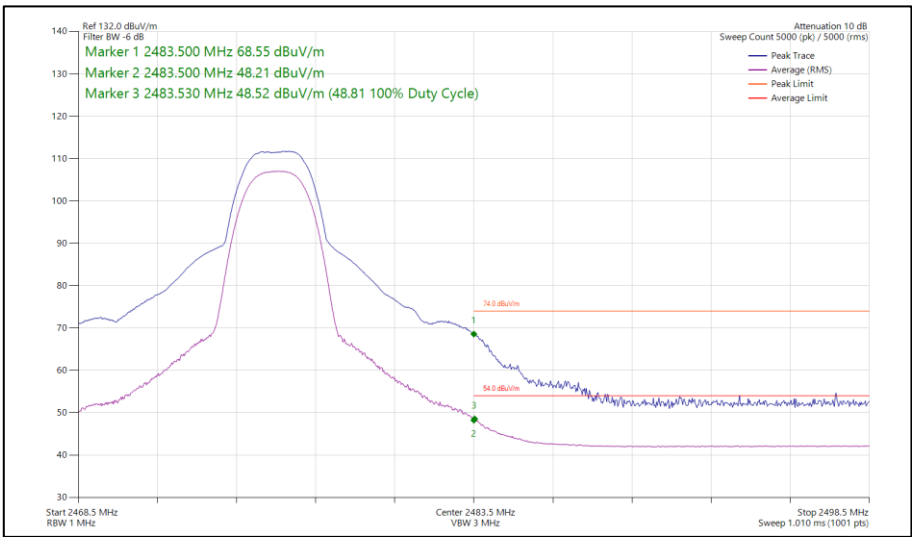


**Figure 212 - Bluetooth HDT4, MIMO, Core 1-2 - 2476 MHz
Band Edge Frequency 2483.5 MHz**

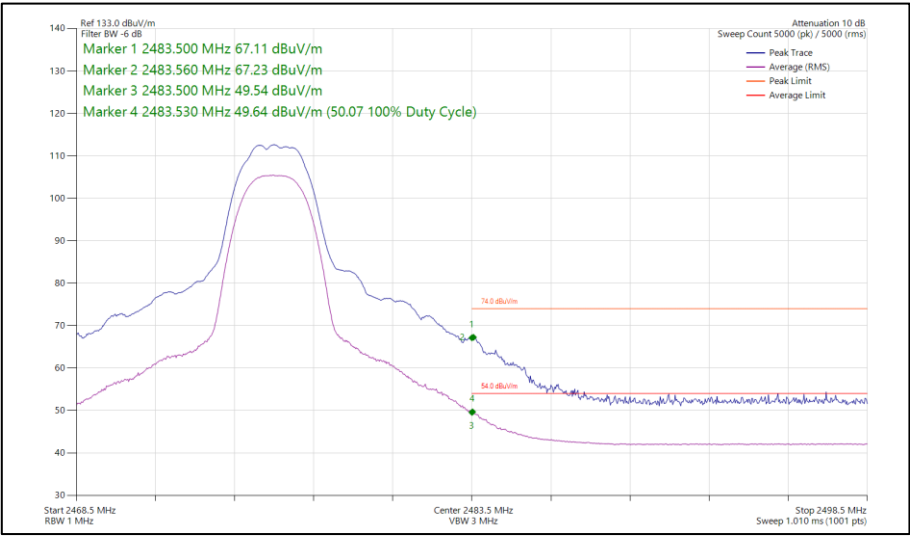


Figure 213 - Bluetooth HDT6, MIMO, Core 1-2 - 2476 MHz
Band Edge Frequency 2483.5 MHz

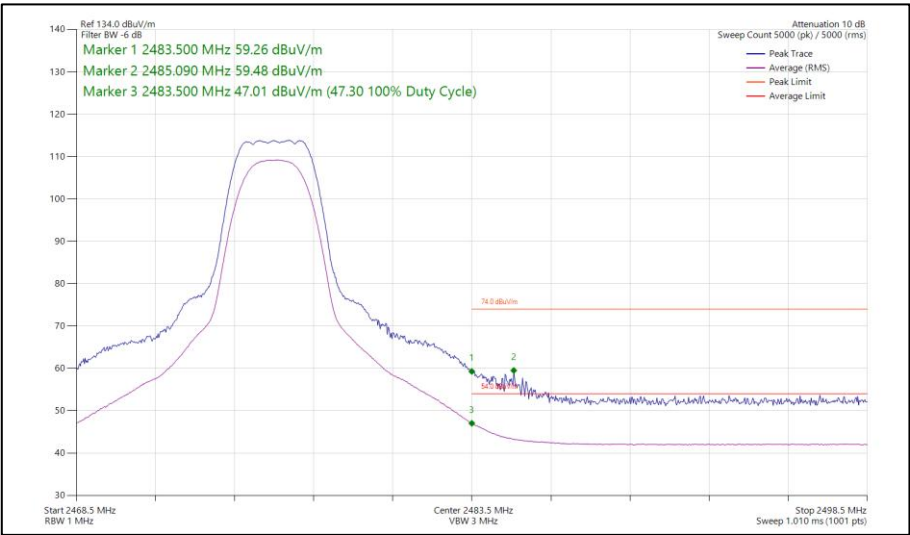


Figure 214 - Bluetooth HDRPS2, MIMO, Core 1-2 - 2476 MHz
Band Edge Frequency 2483.5 MHz

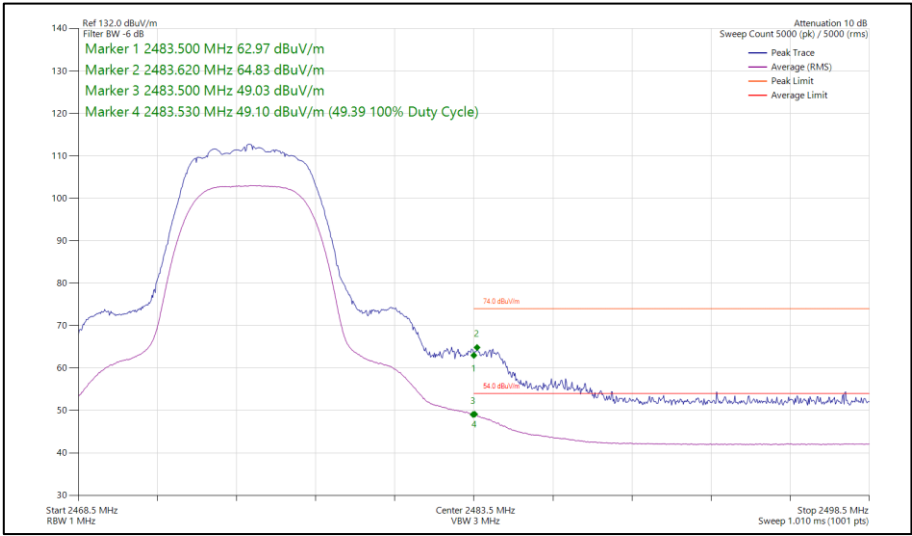


Figure 215 - Bluetooth HDRPM12, MIMO, Core 1-2 - 2475 MHz
Band Edge Frequency 2483.5 MHz

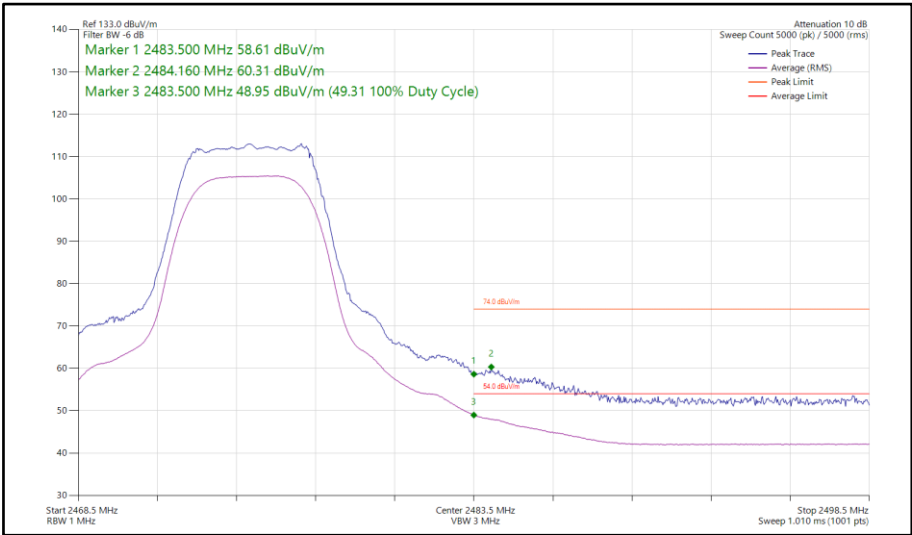


Figure 216 - Bluetooth XHDRPM8, MIMO, Core 1-2 - 2475 MHz
Band Edge Frequency 2483.5 MHz



FCC 47 CFR Part 15, Limit Clause 15.209

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

Table 16

ISED RSS-GEN, Limit Clause 8.9

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960*	500

Table 17

*Unless otherwise specified, for all frequencies greater than 1 GHz, the radiated emission limits for licence-exempt radio apparatus stated in applicable RSSs (including RSS-Gen) are based on measurements using a linear average detector function having a minimum resolution bandwidth of 1 MHz. If an average limit is specified for the EUT, then the peak emission shall also be measured with instrumentation properly adjusted for such factors as pulse desensitization to ensure the peak emission is less than 20 dB above the average limit.

2.1.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14 and RF Chamber 15.



2.2 Emission Bandwidth

2.2.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (a)(2)
ISED RSS-247, Clause 6.3.1
ISED RSS-GEN, Clause 6.7

2.2.2 Equipment Under Test and Modification State

A3428, S/N: G9F4Y6NJ31 - Modification State 0

2.2.3 Date of Test

19-December-2025 to 08-January-2026

2.2.4 Test Method

This test was performed in accordance with ANSI C63.10, clause 11.8.1 for 6 dB BW and 6.9.3 for 99% occupied bandwidth measurements.

2.2.5 Environmental Conditions

Ambient Temperature	24.5 - 25.2 °C
Relative Humidity	42.4 - 53.1 %

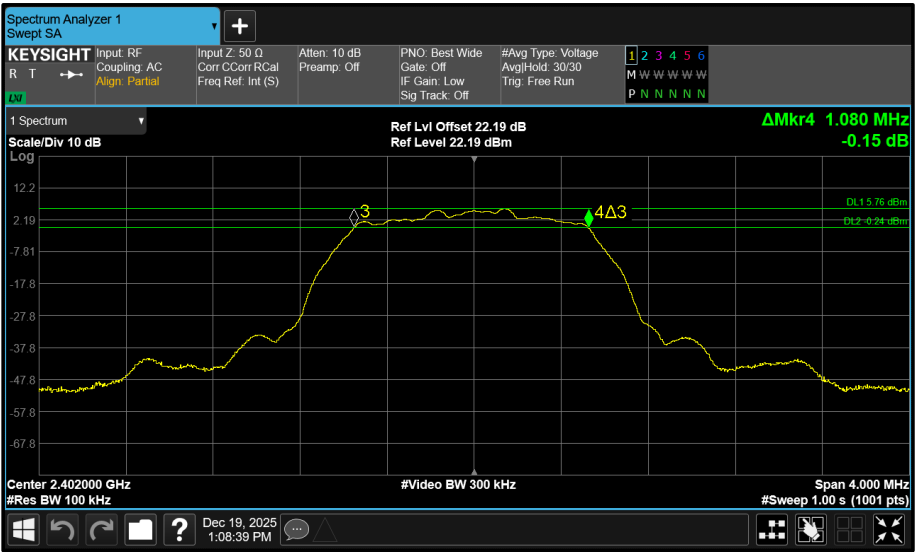


Figure 218 - Core 0 (A) 2402 MHz (CH0) 6 dB Bandwidth

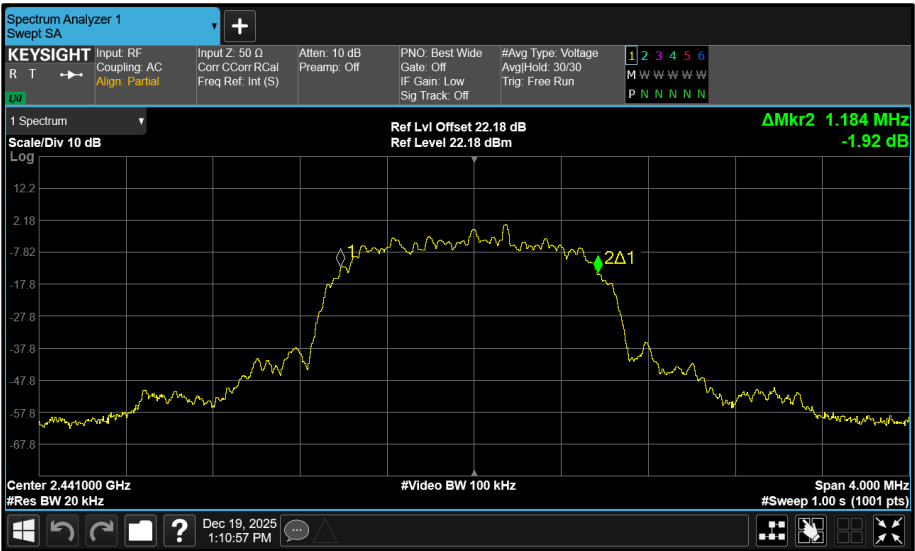


Figure 219 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

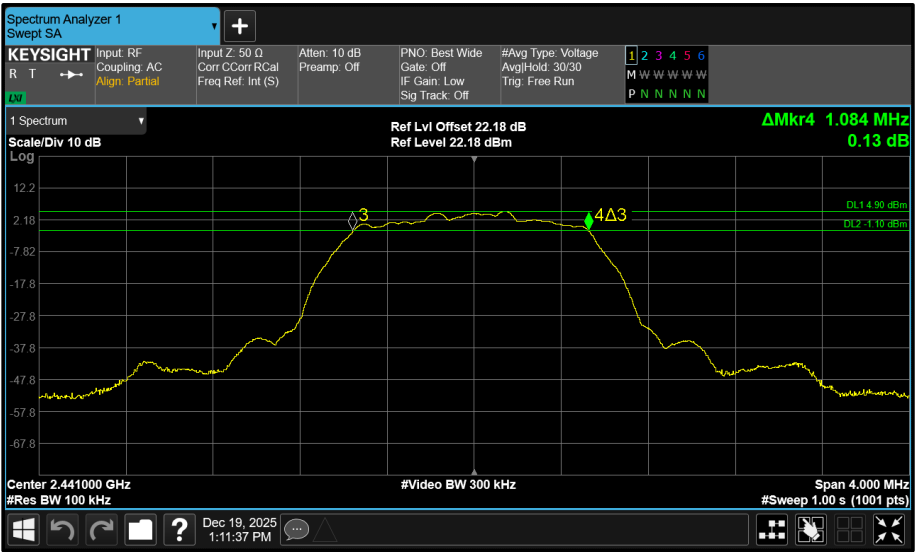


Figure 220 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

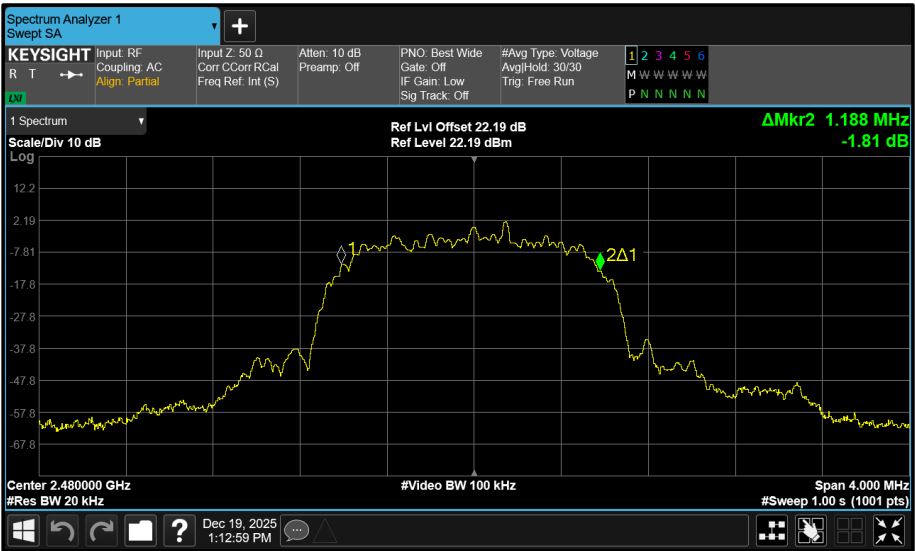


Figure 221 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

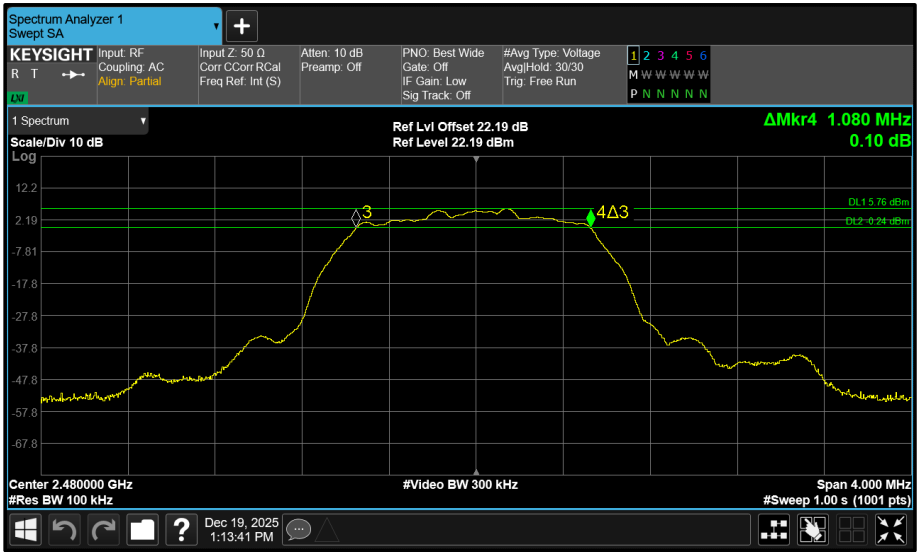


Figure 222 - Core 0 (A) 2480 MHz (CH78) 6 dB Bandwidth



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:	iPA π /4 DQPSK (8-DH5)	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	
2404	0.570	-	-	-	≥ 500.0
2441	0.570	-	-	-	≥ 500.0
2476	0.570	-	-	-	≥ 500.0

Table 20 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	4.635	-	-	-	-
2441	4.635	-	-	-	-
2476	4.650	-	-	-	-

Table 21 - 99% Bandwidth Results

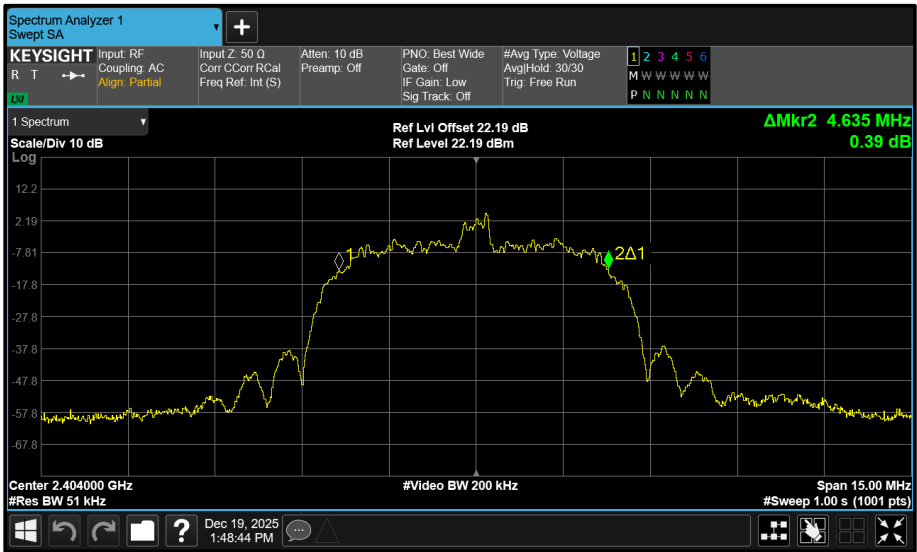


Figure 223 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

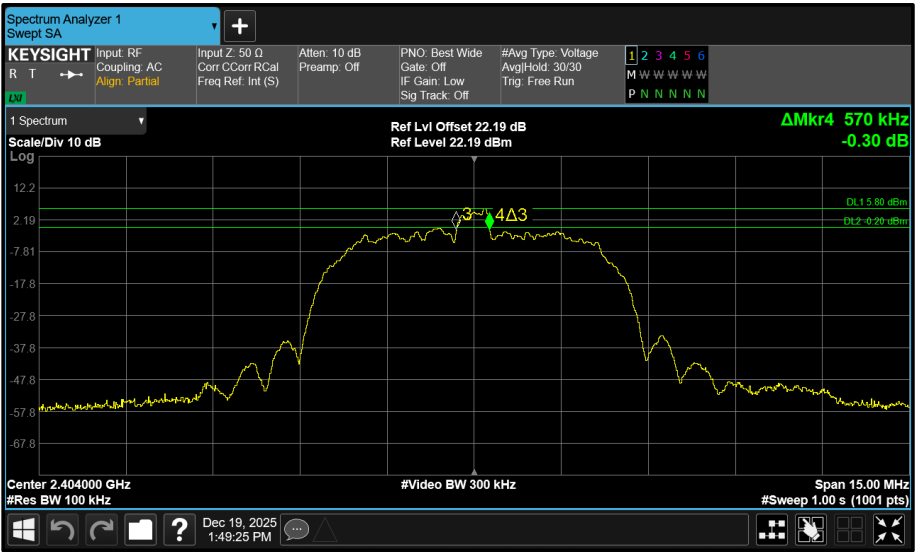


Figure 224 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

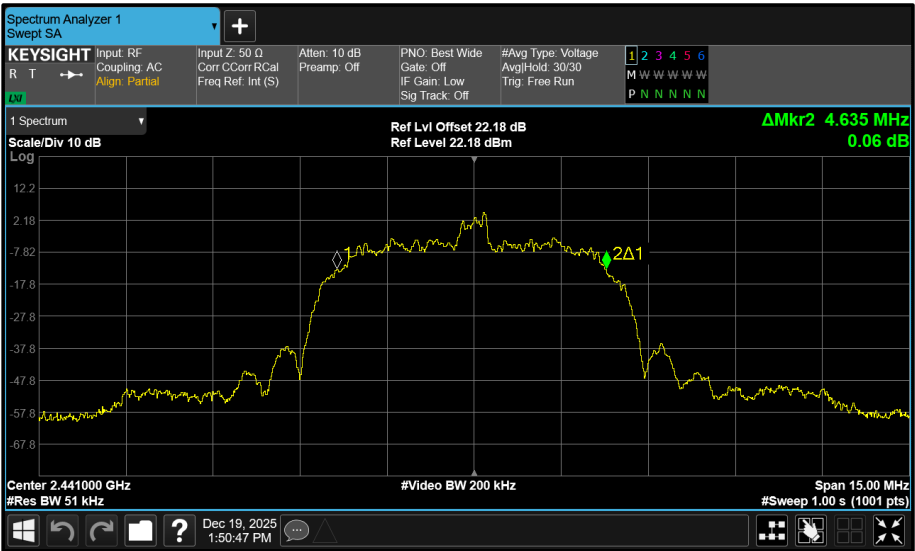


Figure 225 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

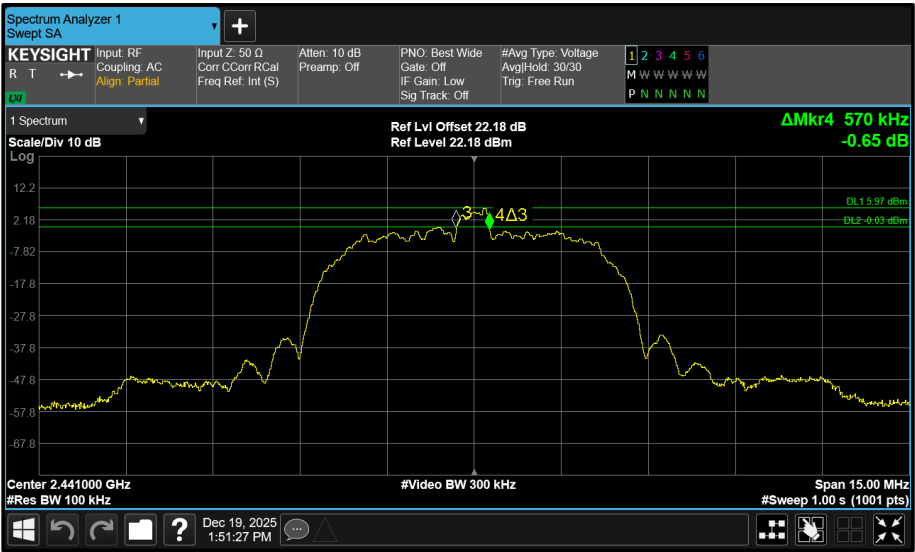


Figure 226 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

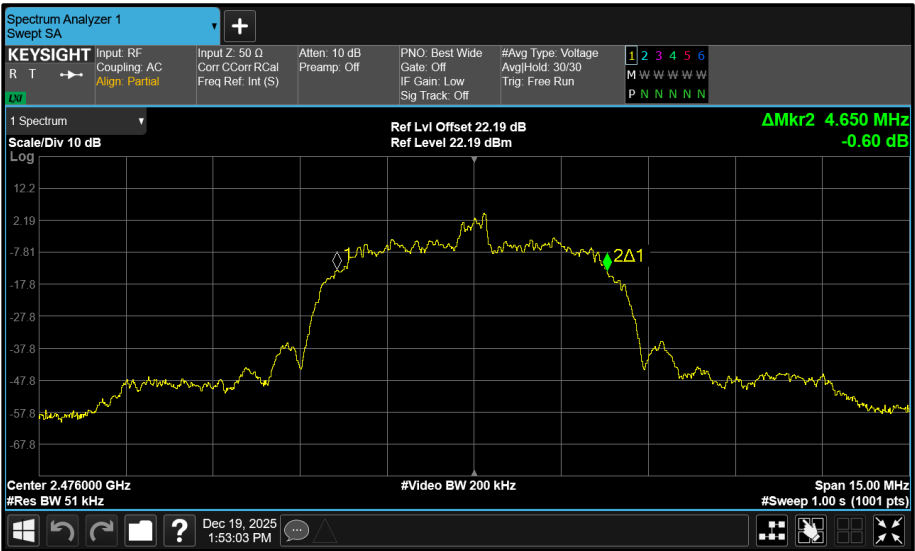


Figure 227 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

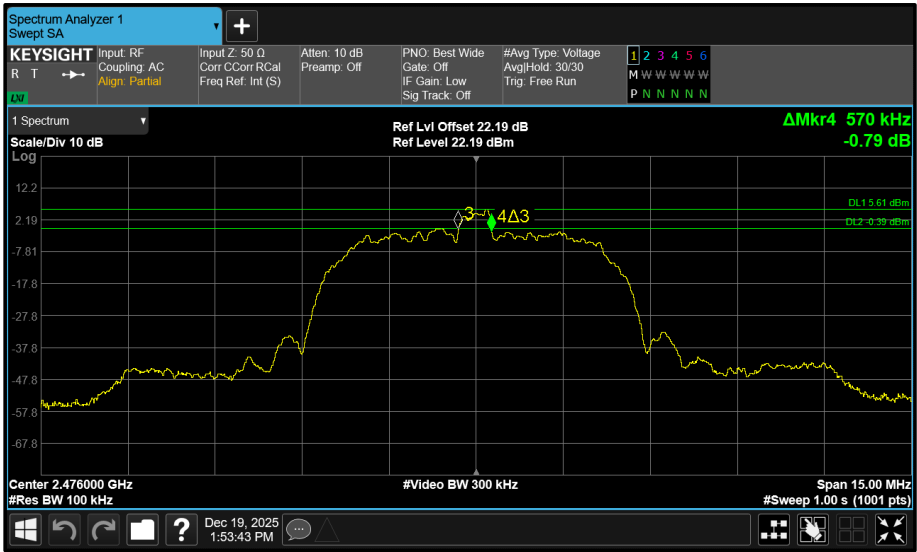


Figure 228 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth



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 8PSK (HDT4)	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	
2404	2.136	-	-	-	≥500.0
2441	2.136	-	-	-	≥500.0
2478	2.136	-	-	-	≥500.0

Table 22 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	2.368	-	-	-	-
2441	2.368	-	-	-	-
2478	2.368	-	-	-	-

Table 23 - 99% Bandwidth Results

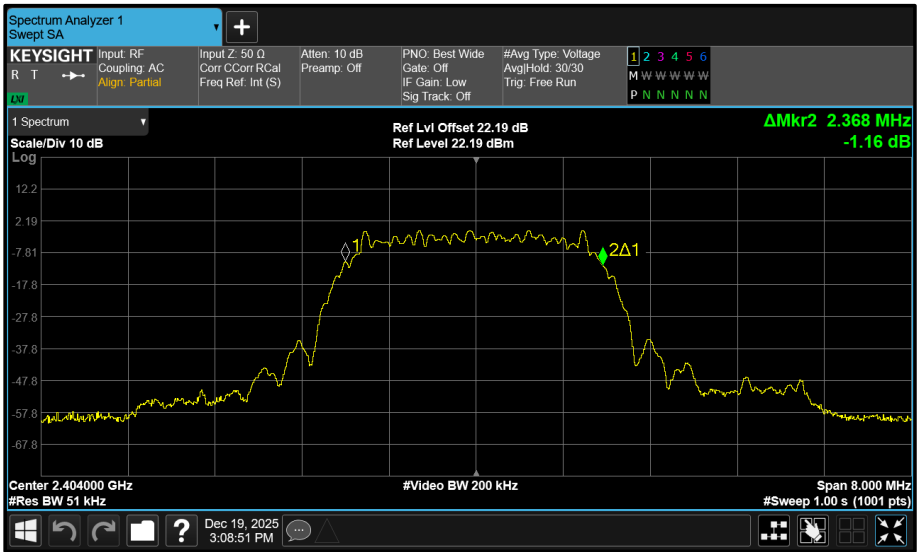


Figure 229 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

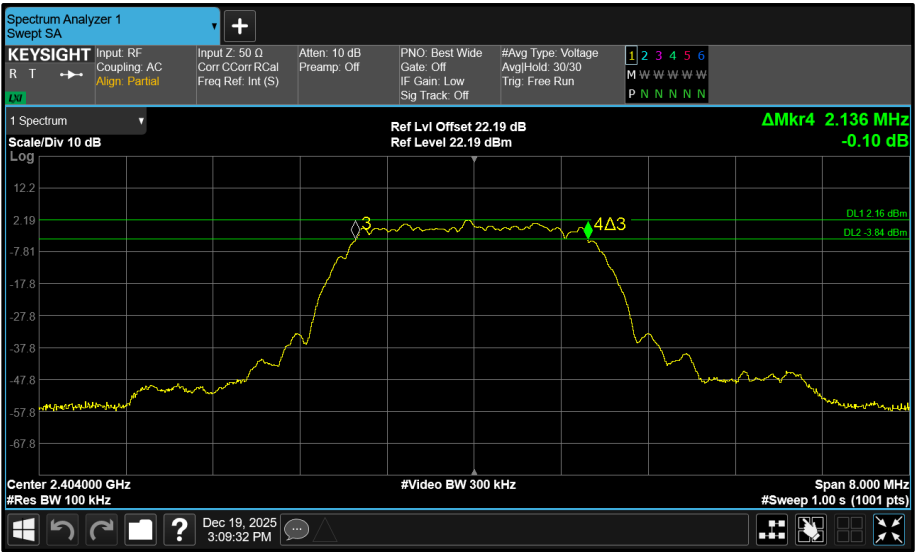


Figure 230 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

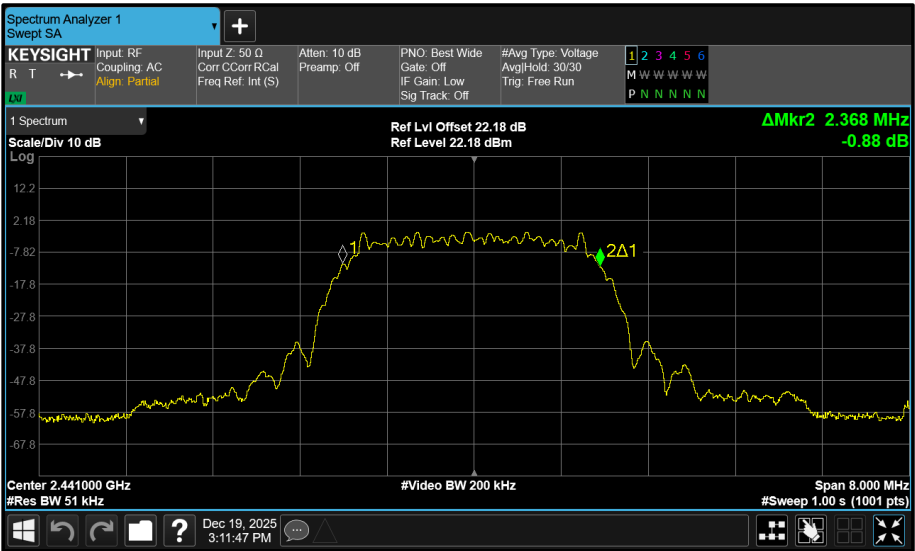


Figure 231 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

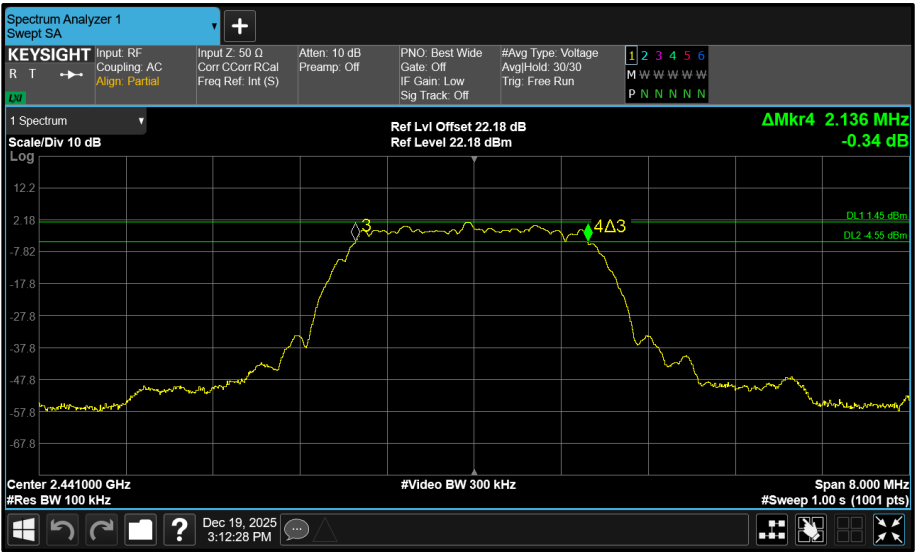


Figure 232 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

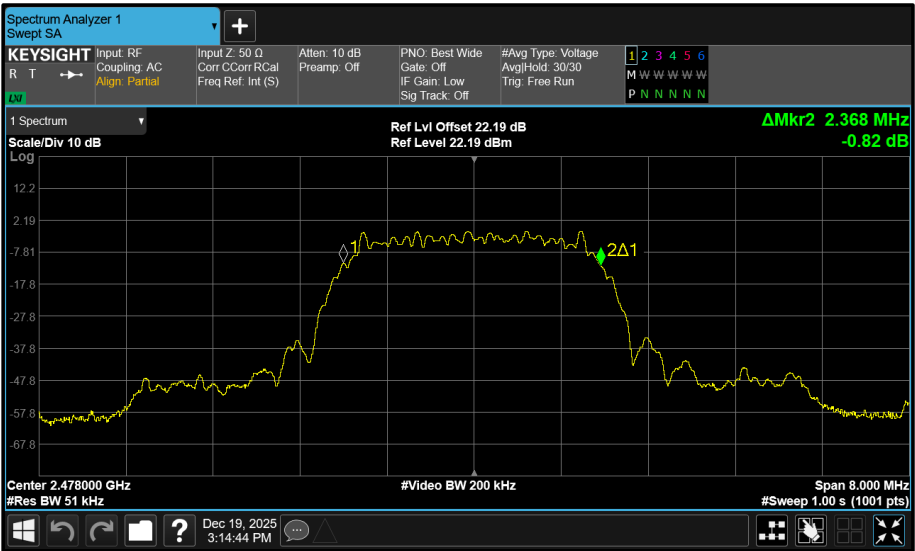


Figure 233 - Core 0 (A) 2478 MHz (CH76) 99% Bandwidth

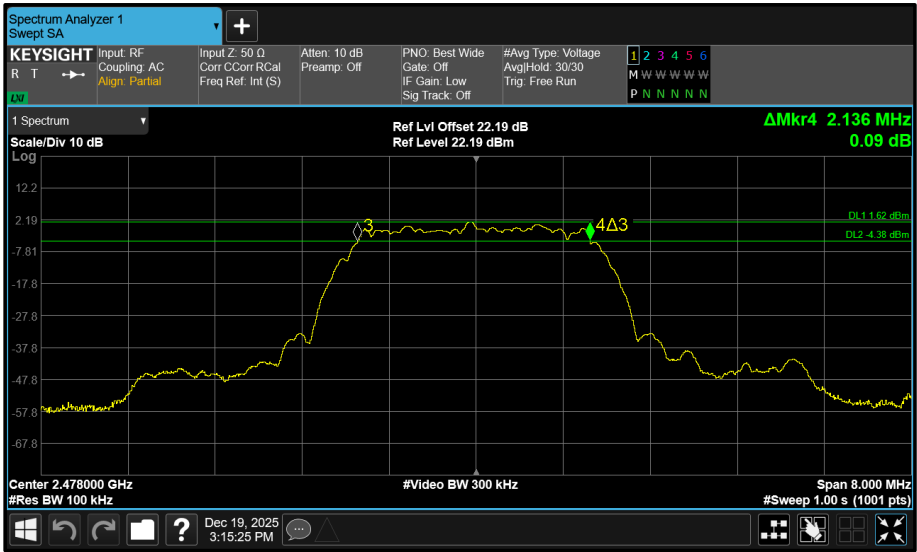


Figure 234 - Core 0 (A) 2478 MHz (CH76) 6 dB Bandwidth

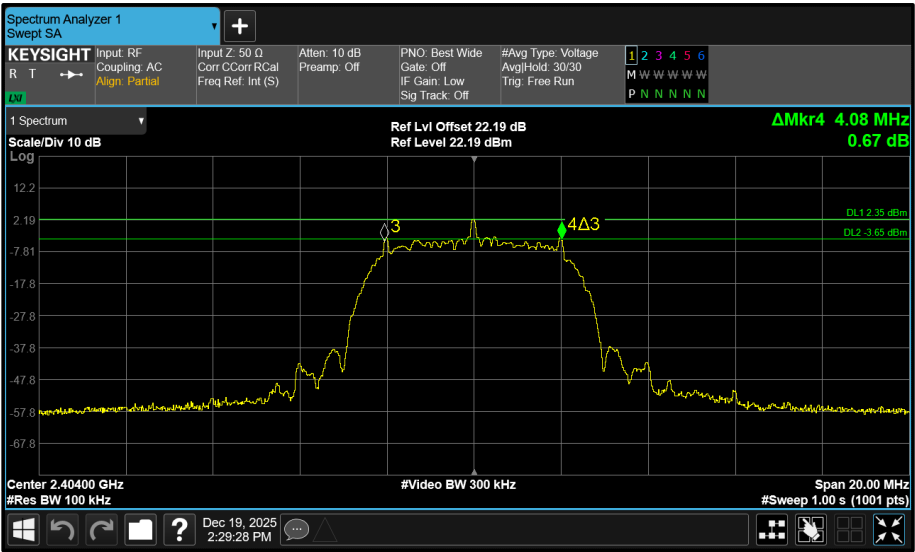


Figure 236 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

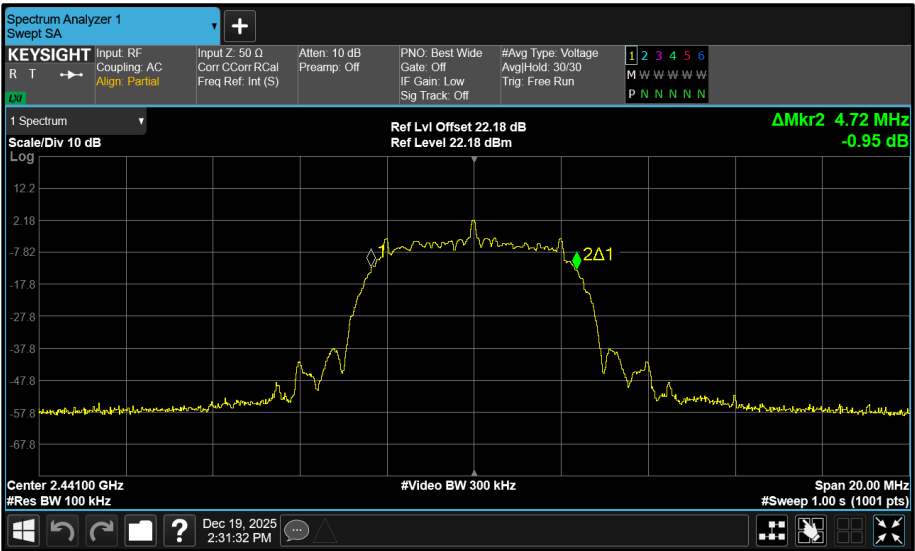


Figure 237 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

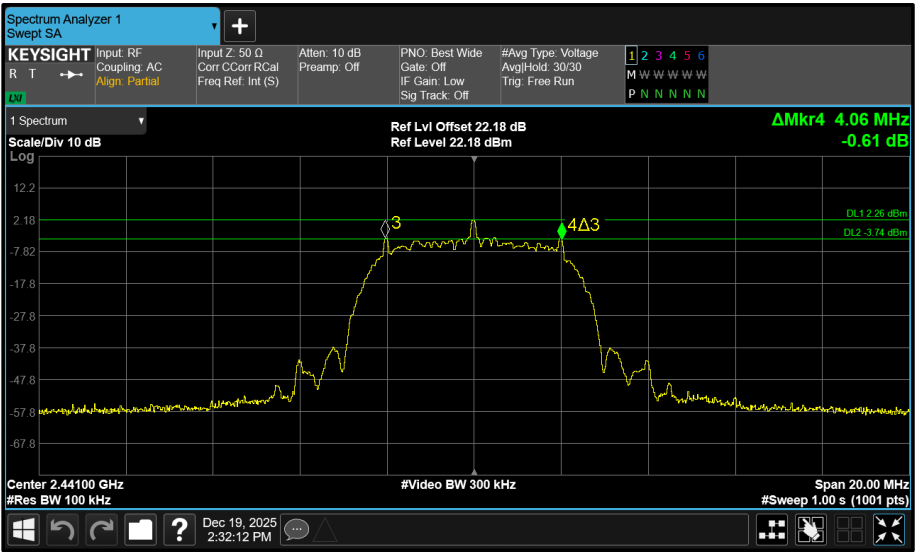


Figure 238 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

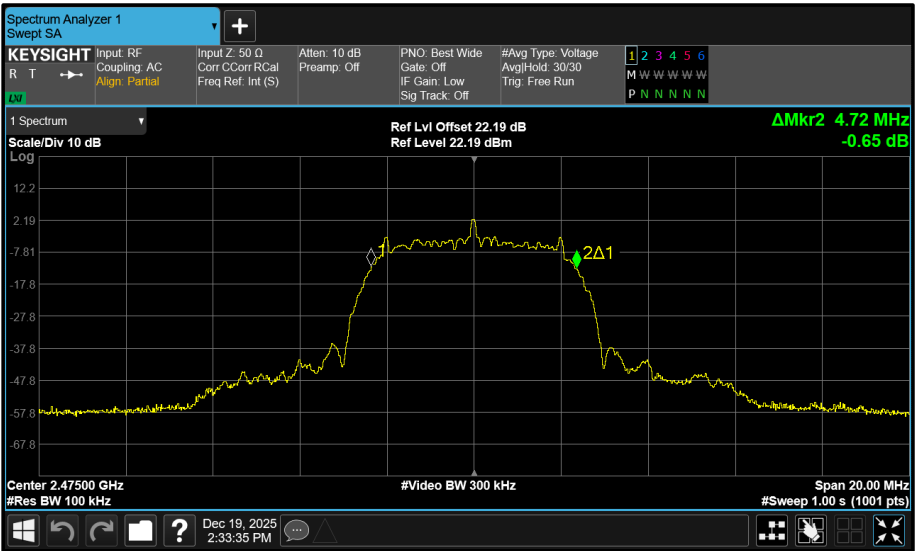


Figure 239 - Core 0 (A) 2475 MHz (CH73) 99% Bandwidth

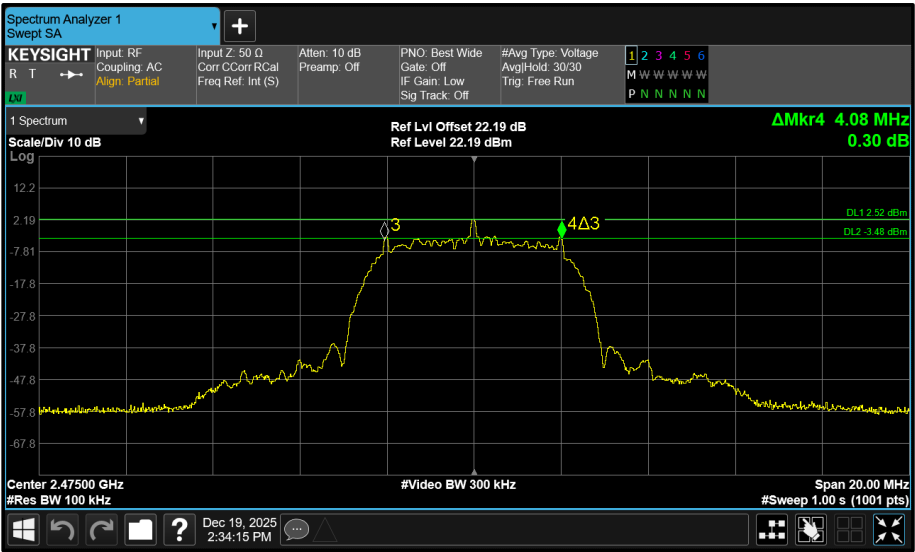


Figure 240 - Core 0 (A) 2475 MHz (CH73) 6 dB Bandwidth



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:	SISO	DCCC (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	0.672	-	-	-	≥500.0
2440	0.668	-	-	-	≥500.0
2480	0.672	-	-	-	≥500.0

Table 26 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.016	-	-	-	-
2440	1.016	-	-	-	-
2480	1.016	-	-	-	-

Table 27 - 99% Bandwidth Results

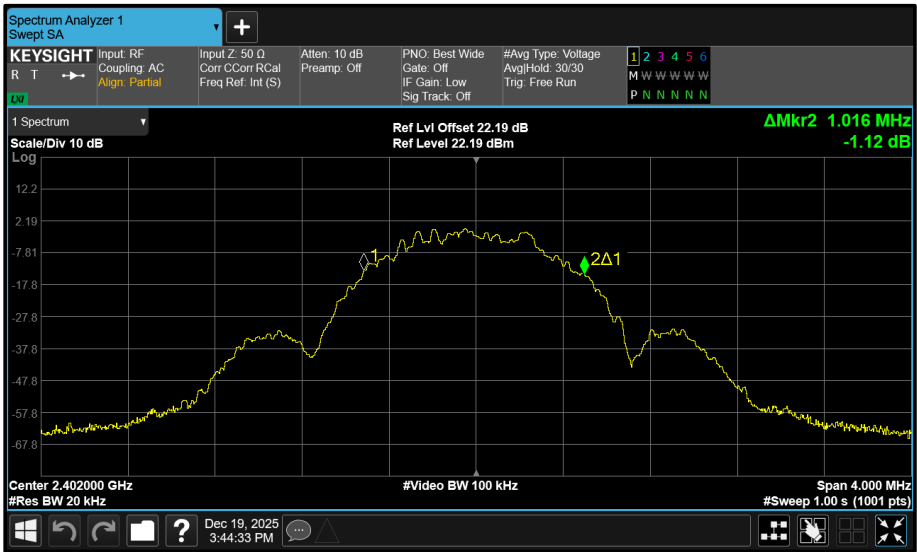


Figure 241 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

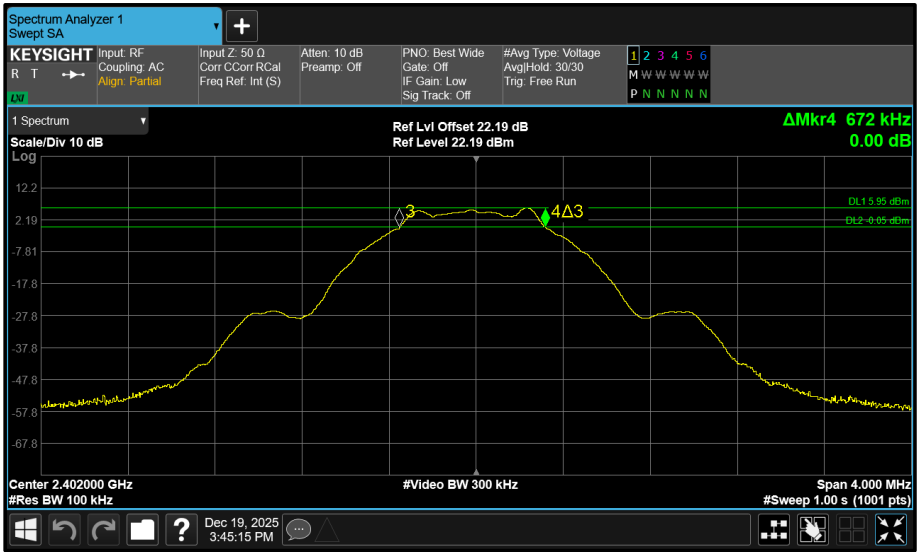


Figure 242 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

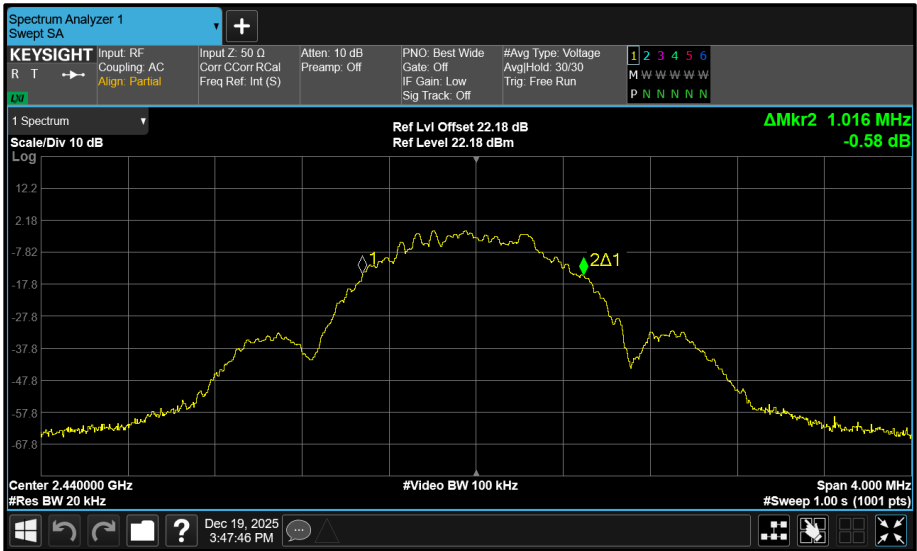


Figure 243 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

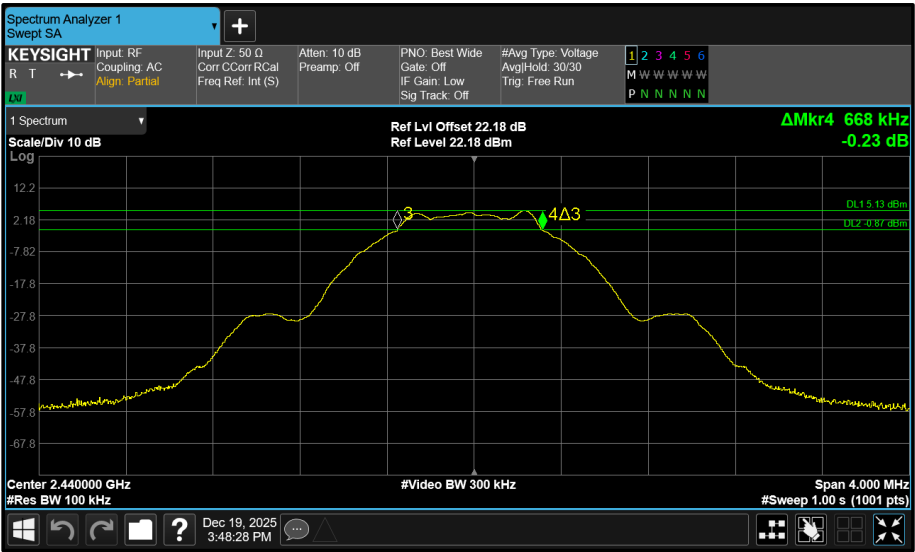


Figure 244 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

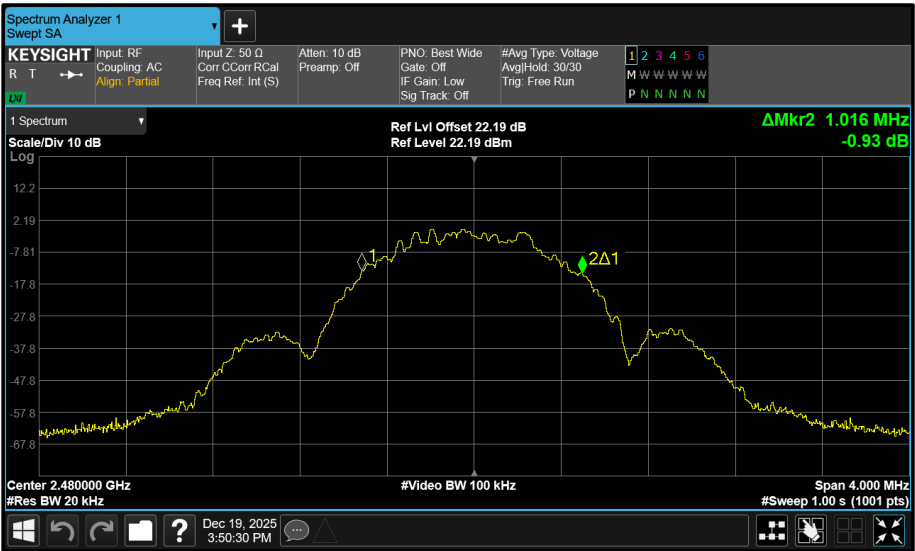


Figure 245 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

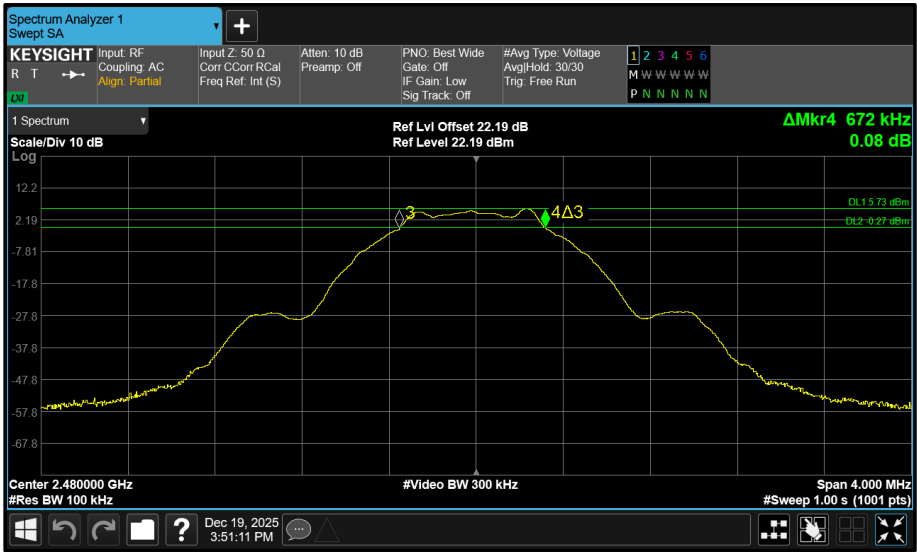


Figure 246 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth



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 6.9.2
Additional Reference(s):	-		

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

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	-	1.080	-	-	≥ 500.0
2441	-	1.080	-	-	≥ 500.0
2480	-	1.080	-	-	≥ 500.0

Table 28 - 6 dB Bandwidth Results

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

Table 29 - 99% Bandwidth Results

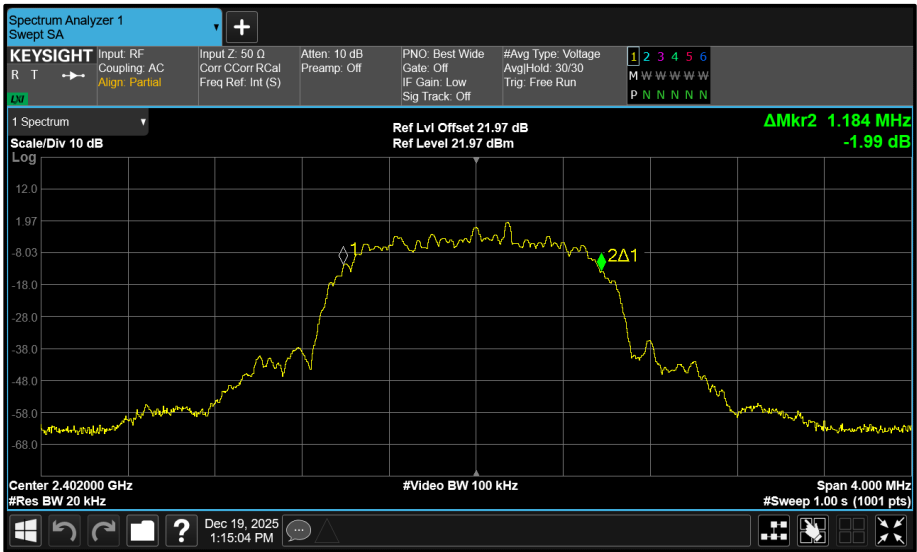


Figure 247 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth

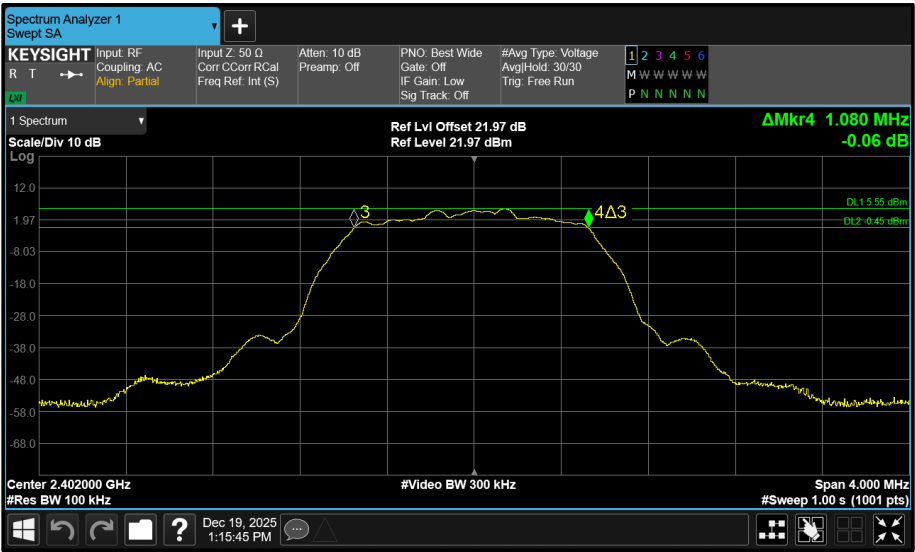


Figure 248 - Core 1 (B) 2402 MHz (CH0) 6 dB Bandwidth

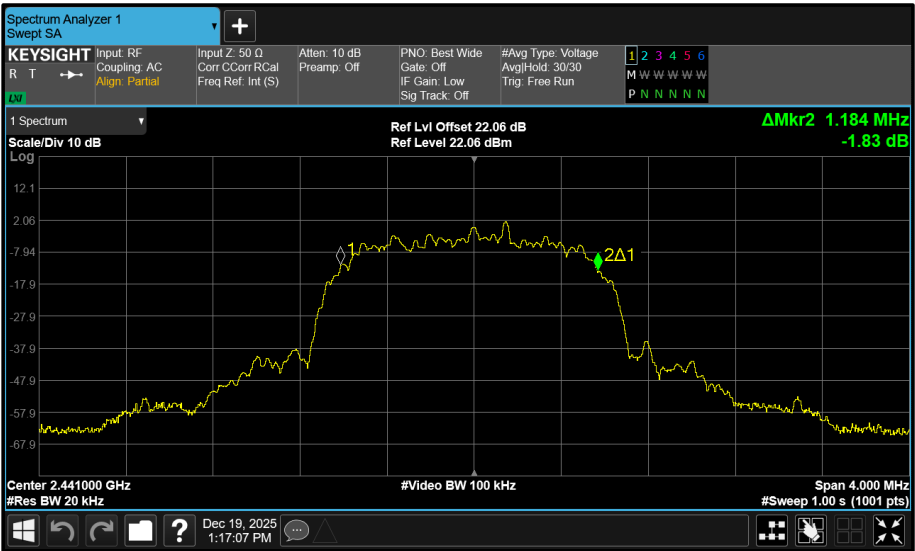


Figure 249 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

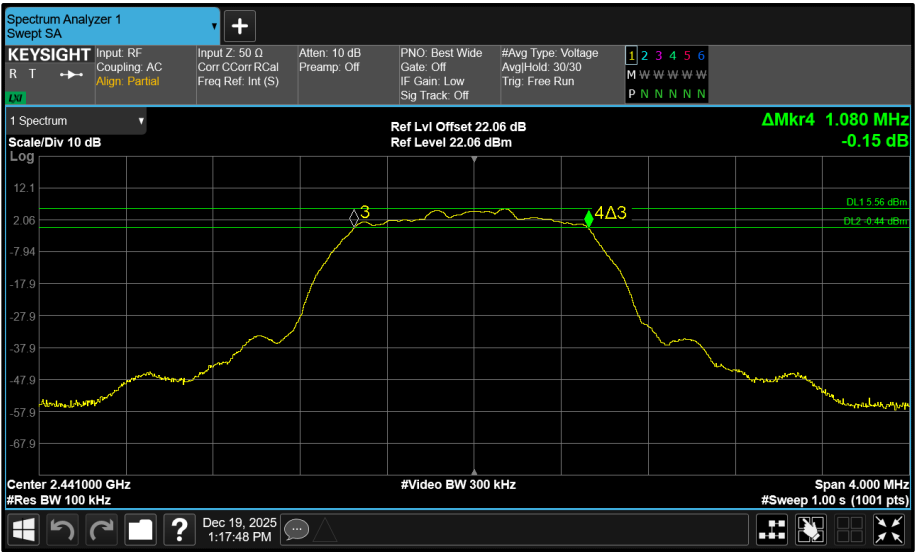


Figure 250 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

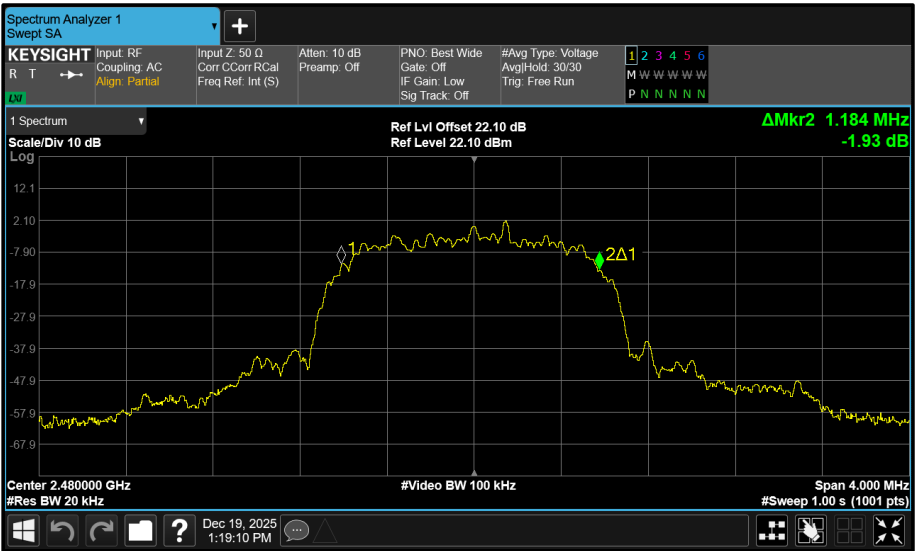


Figure 251 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth

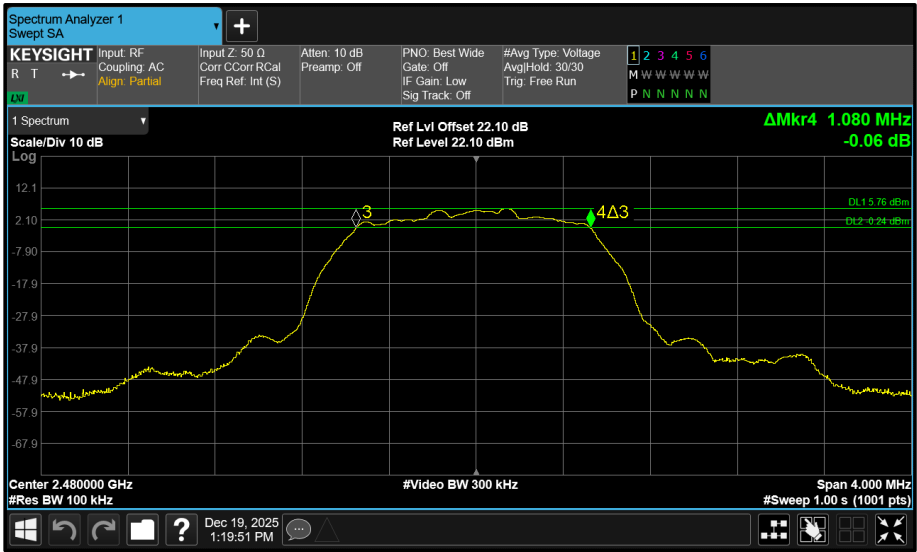


Figure 252 - Core 1 (B) 2480 MHz (CH78) 6 dB Bandwidth



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

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	-	0.570	-	-	≥ 500.0
2441	-	0.570	-	-	≥ 500.0
2476	-	0.570	-	-	≥ 500.0

Table 30 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	-	4.650	-	-	-
2441	-	4.635	-	-	-
2476	-	4.650	-	-	-

Table 31 - 99% Bandwidth Results

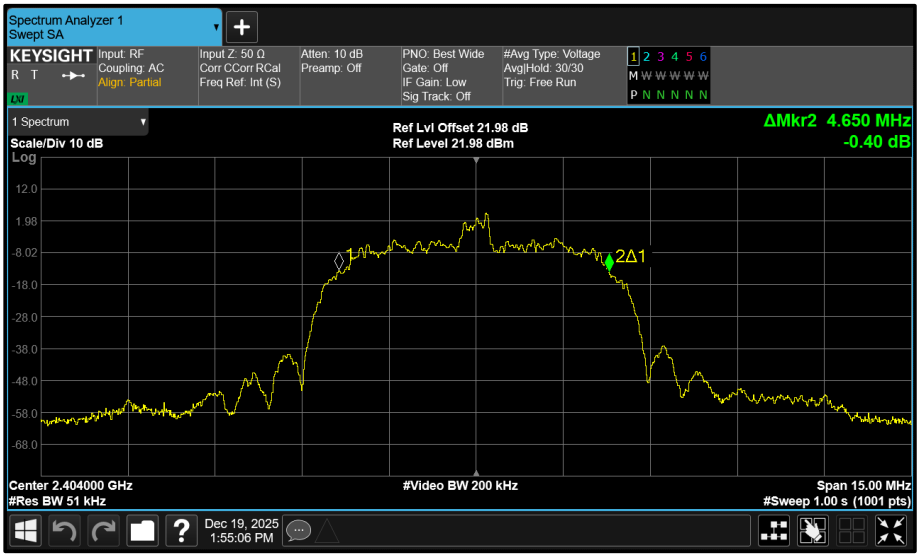


Figure 253 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

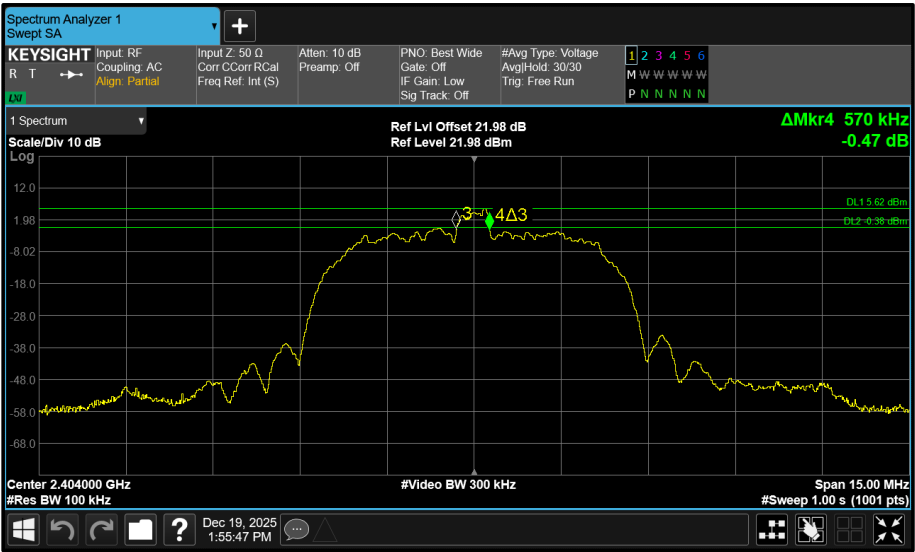


Figure 254 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

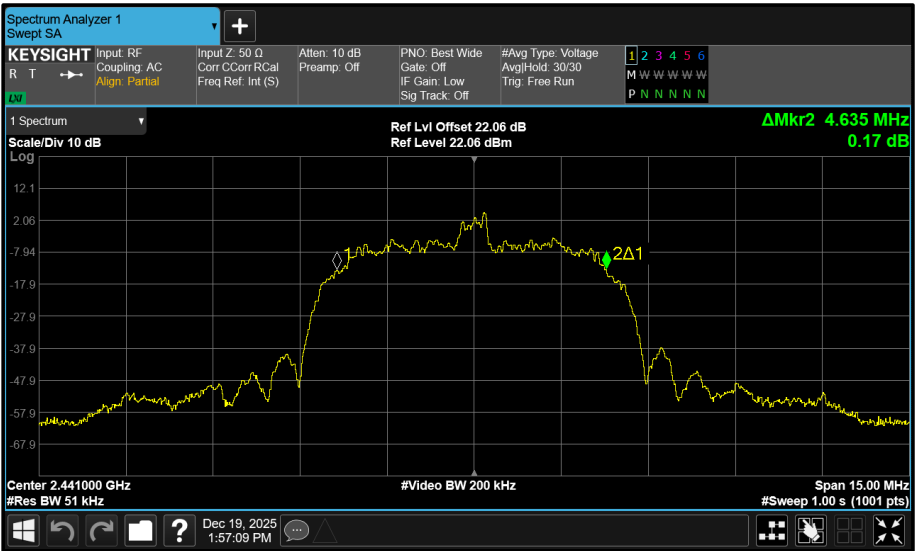


Figure 255 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

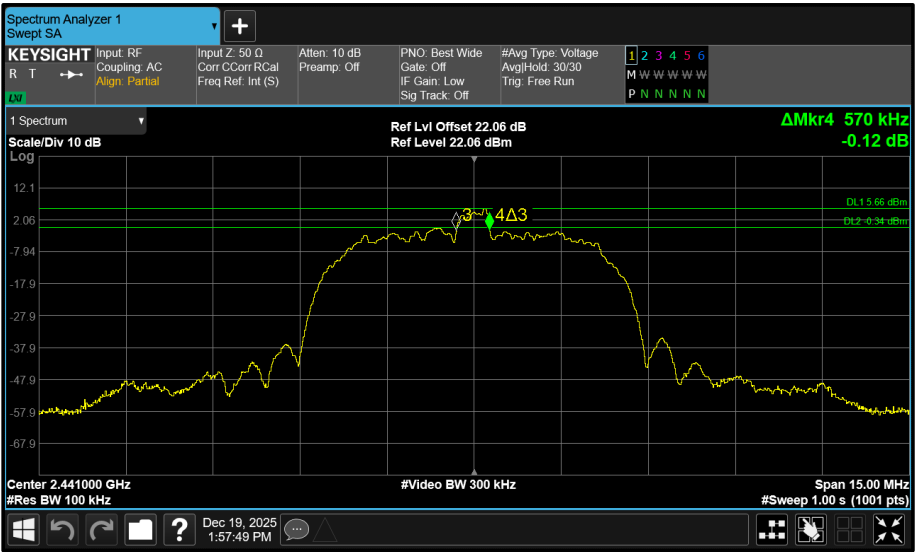


Figure 256 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

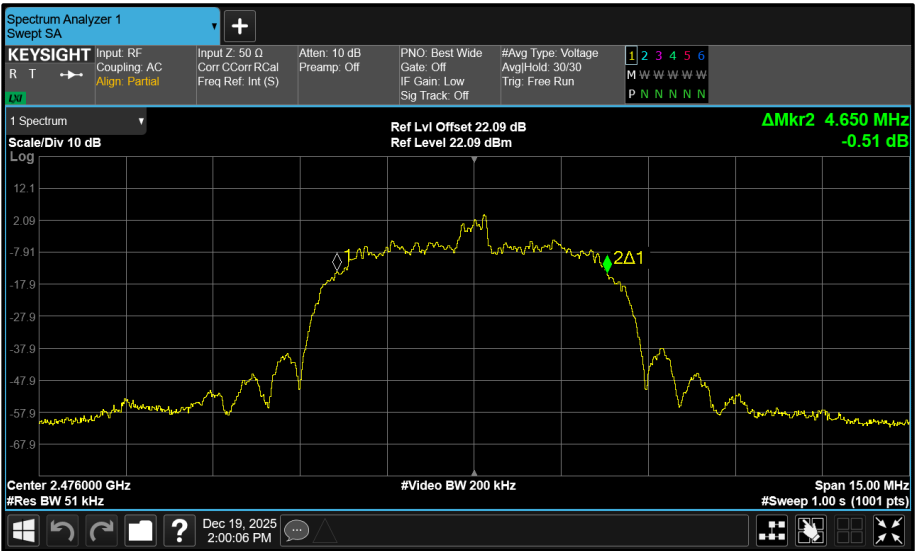


Figure 257 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth





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

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	-	2.136	-	-	≥500.0
2441	-	2.136	-	-	≥500.0
2478	-	2.136	-	-	≥500.0

Table 32 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	-	2.368	-	-	-
2441	-	2.368	-	-	-
2478	-	2.368	-	-	-

Table 33 - 99% Bandwidth Results

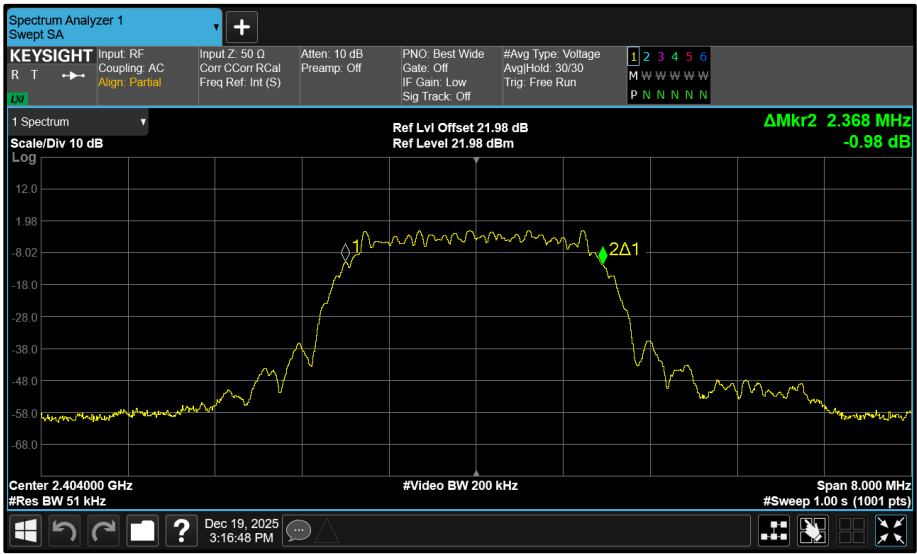


Figure 259 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

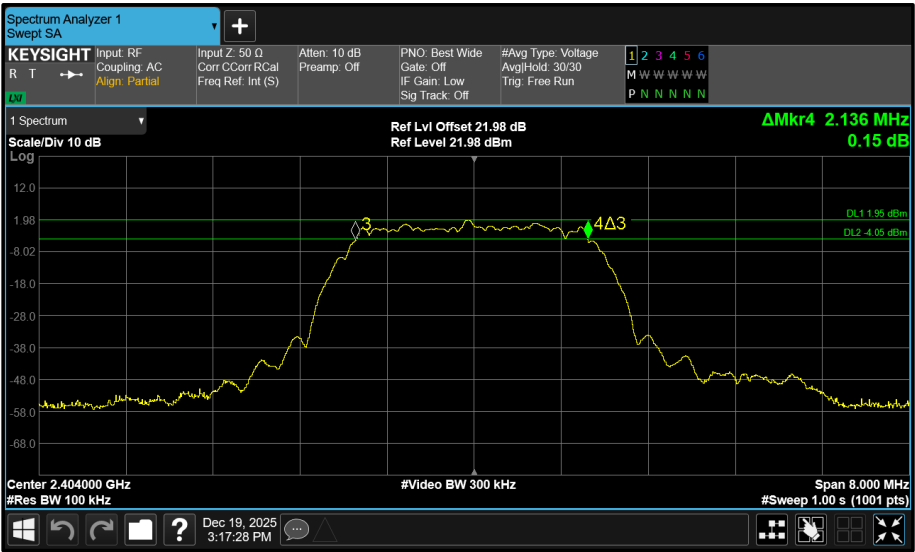


Figure 260 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

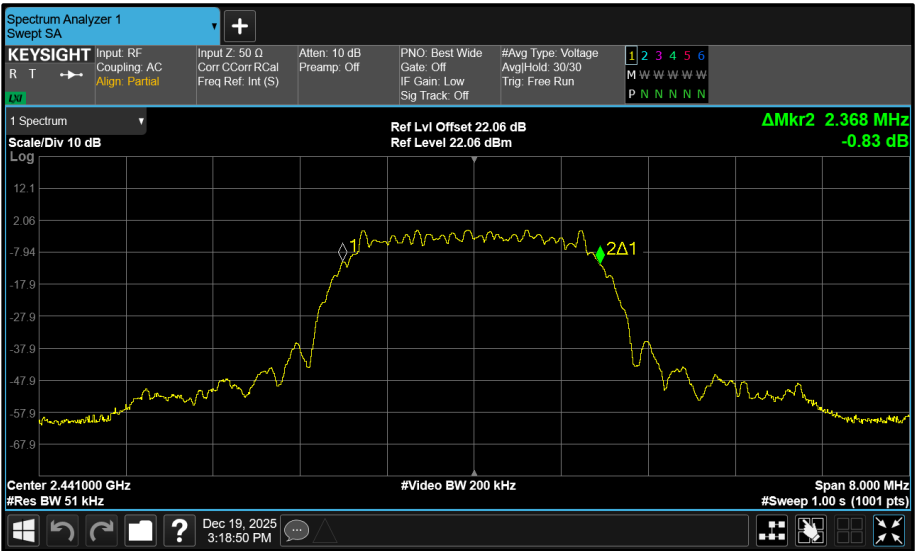


Figure 261 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

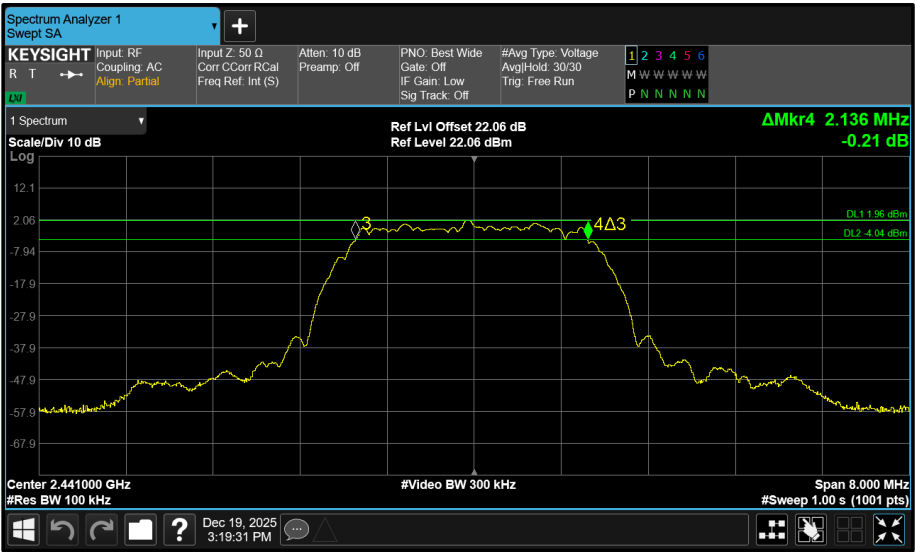


Figure 262 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

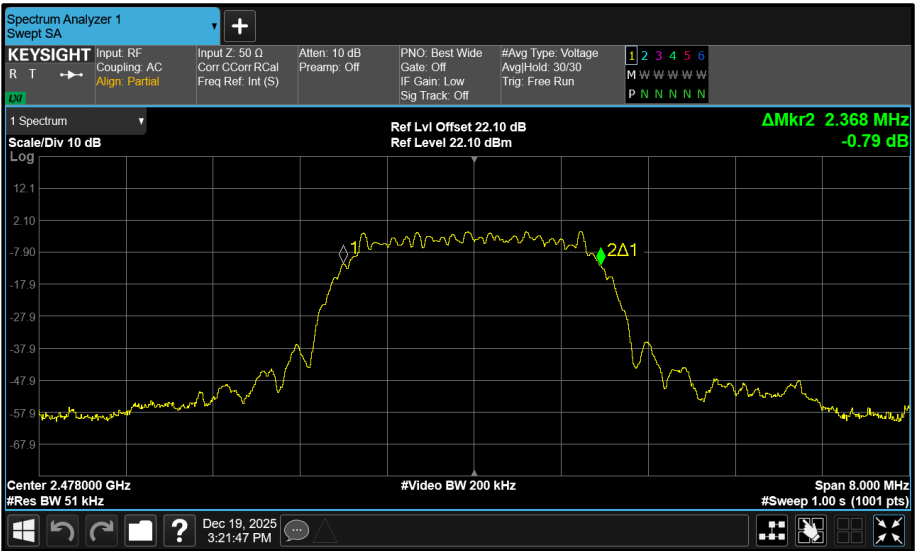


Figure 263 - Core 1 (B) 2478 MHz (CH76) 99% Bandwidth

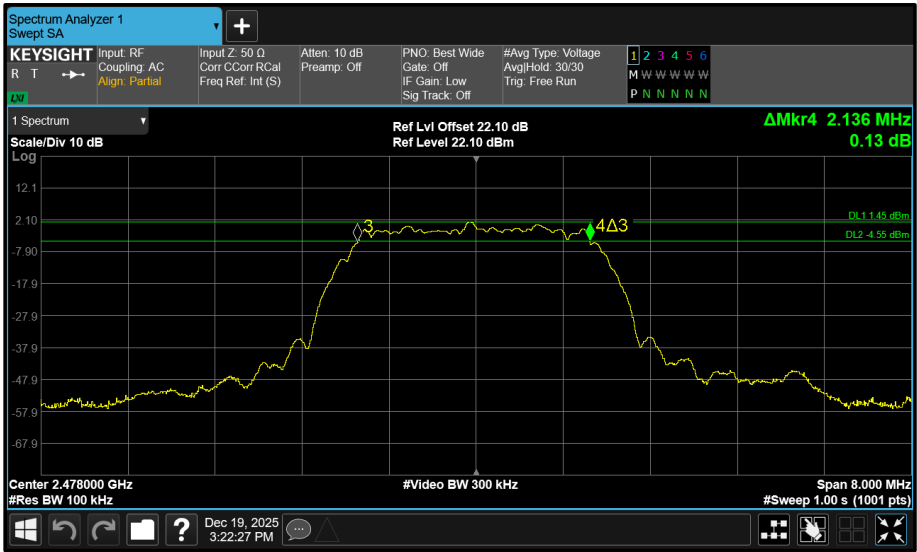


Figure 264 - Core 1 (B) 2478 MHz (CH76) 6 dB Bandwidth

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	-	4.060	-	-	≥500.0
2441	-	4.060	-	-	≥500.0
2475	-	4.080	-	-	≥500.0

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	-	4.720	-	-	-
2441	-	4.720	-	-	-
2475	-	4.720	-	-	-

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF
Coupling: AC
Align: Partial

Input Z: 50 Ω
Corr: CCorr: RCal
Freq Ref: Int (S)

Atten: 10 dB
Preamp: Off

PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Voltage
Avg/Hold: 30/30
Tng: Free Run

1 2 3 4 5 6
M W W W W W
P N N N N N

1 Spectrum
Scale/Div 10 dB
Log

Ref Lvl Offset 21.98 dB
Ref Level 21.98 dBm

Δ Mkr2 4.72 MHz
0.10 dB

Center 2.4040 GHz
#Res BW 100 kHz

#Video BW 300 kHz

Span 20.00 MHz
#Sweep 1.00 s (1001 pts)

Page 161 of 476