

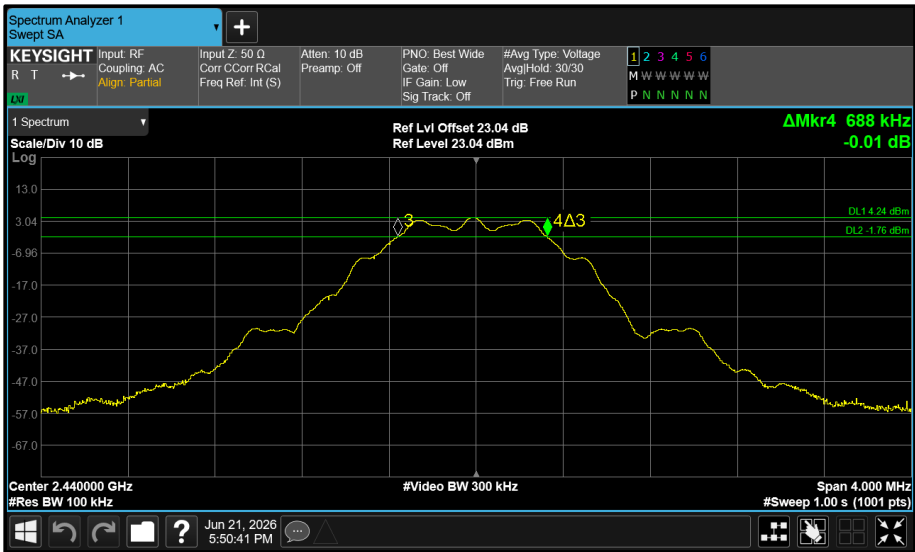


Figure 374 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

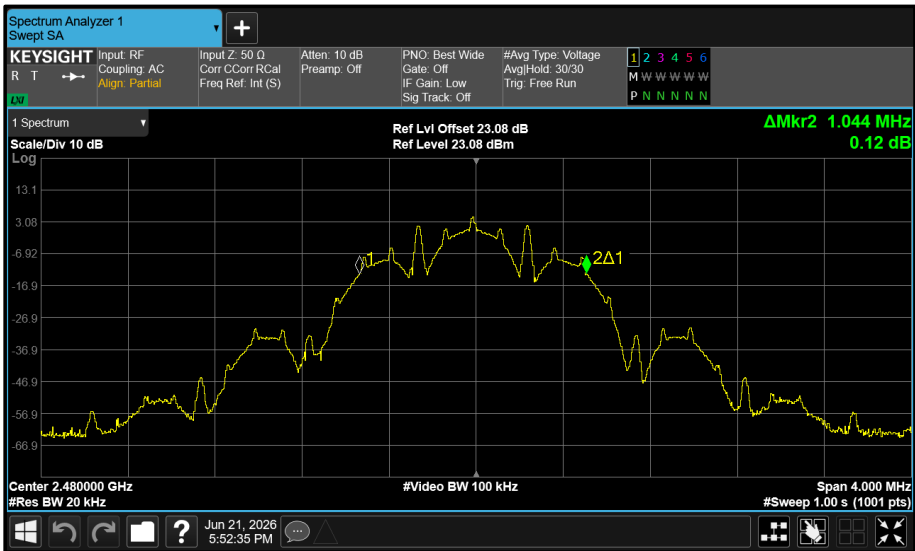


Figure 375 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

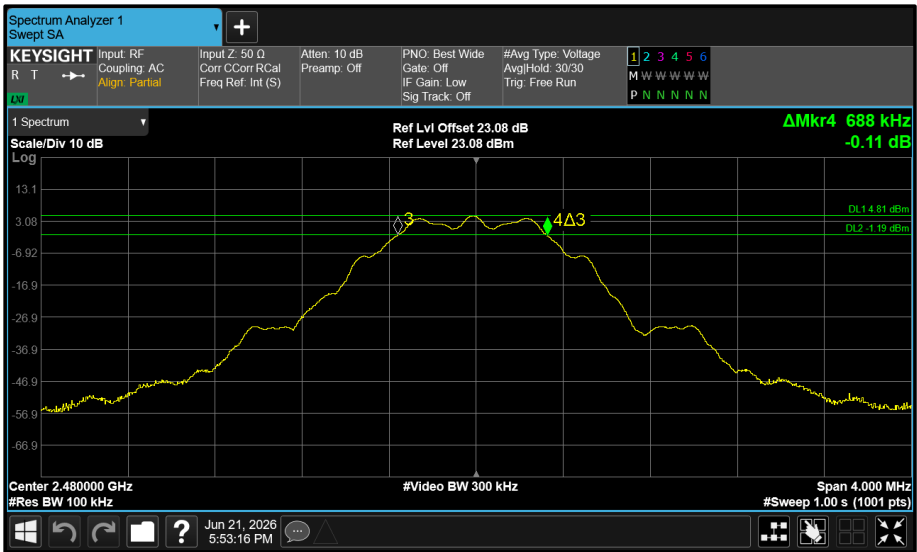


Figure 376 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

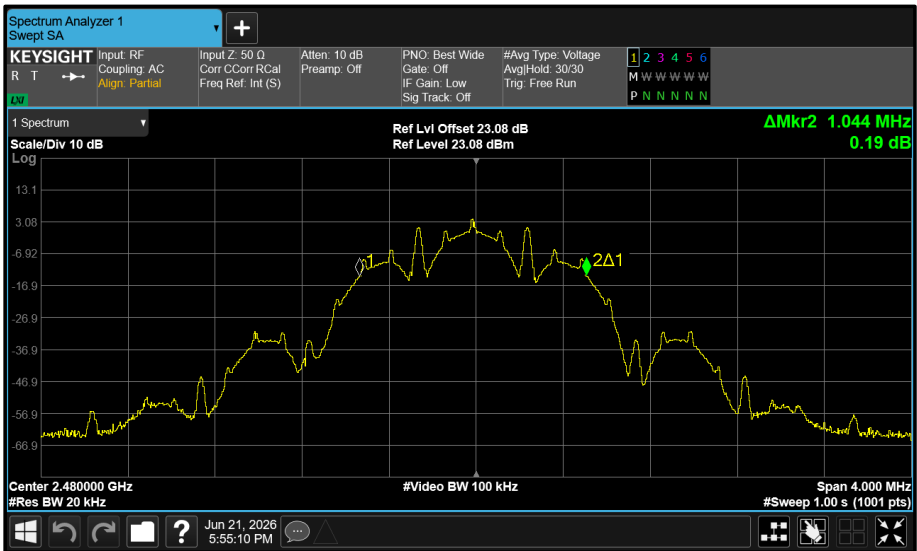


Figure 377 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth





Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	-
Antenna Configuration:	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	1.080	1.076	-	-	≥ 500.0
2441	1.076	1.076	-	-	≥ 500.0
2480	1.076	1.072	-	-	≥ 500.0

Table 77 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.180	1.180	-	-	-
2441	1.180	1.180	-	-	-
2480	1.180	1.180	-	-	-

Table 78 - 99% Bandwidth Results

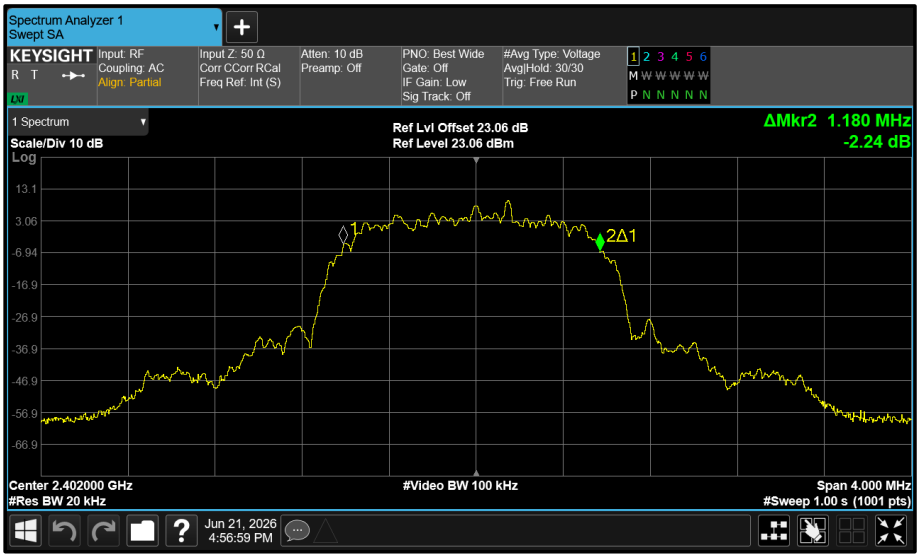


Figure 379 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth

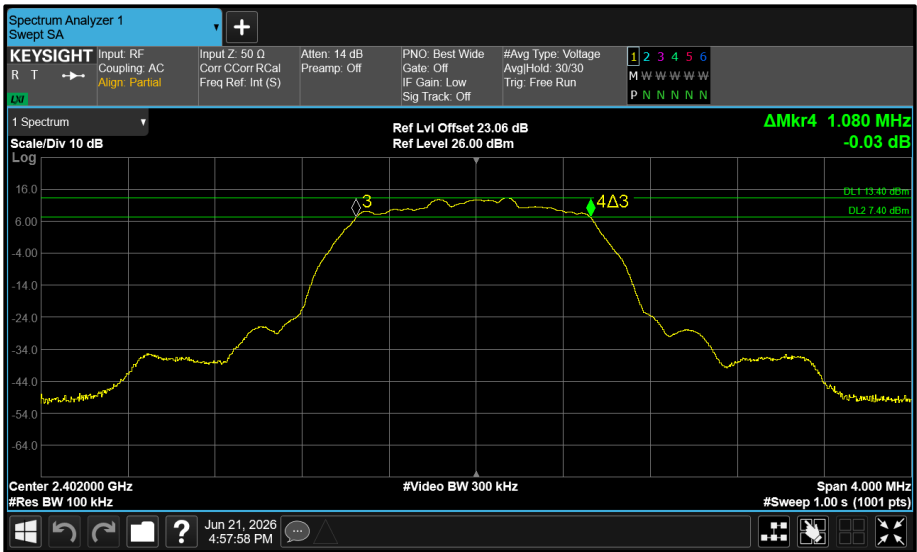


Figure 380 - Core 0 (A) 2402 MHz (CH0) 6 dB Bandwidth

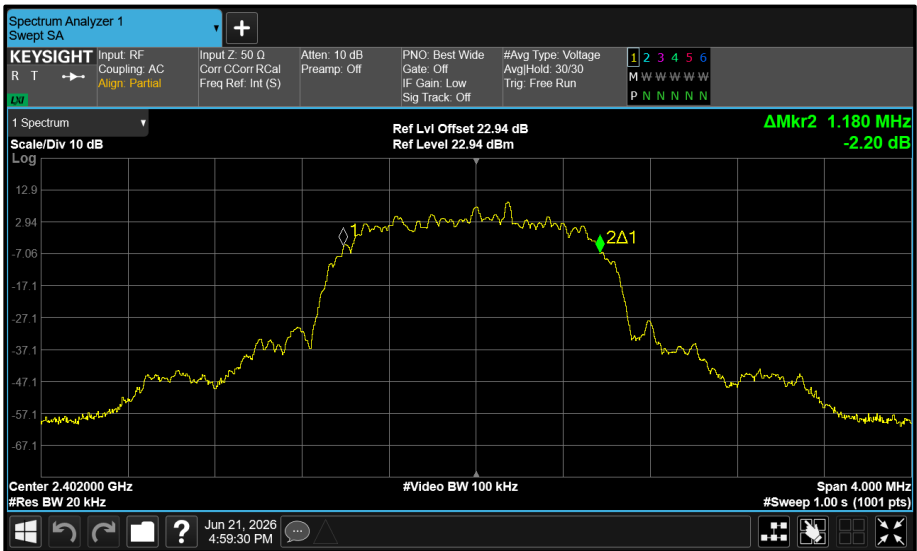


Figure 381 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth

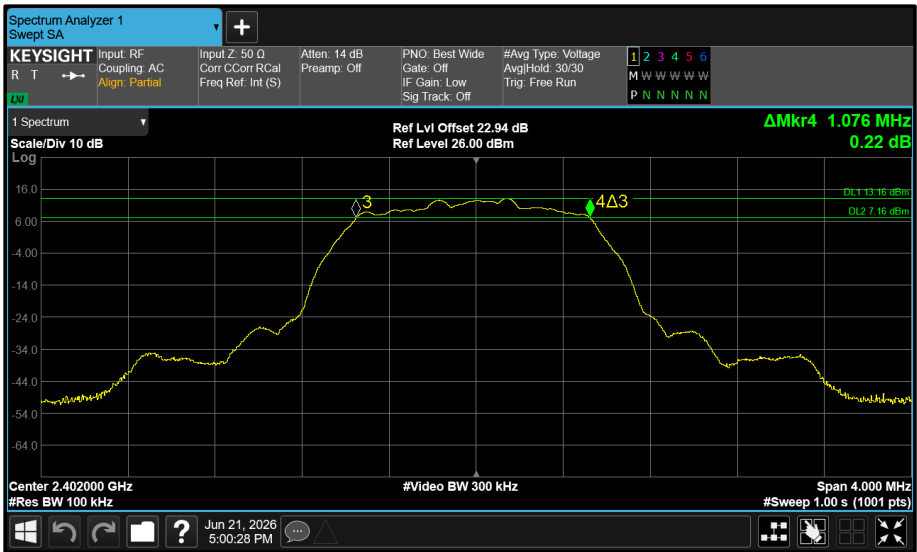


Figure 382 - Core 1 (B) 2402 MHz (CH0) 6 dB Bandwidth

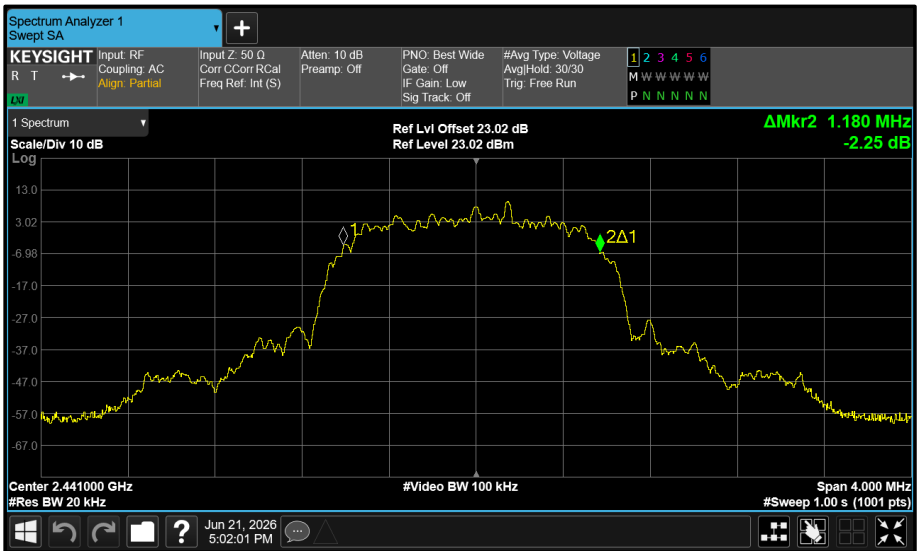


Figure 383 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

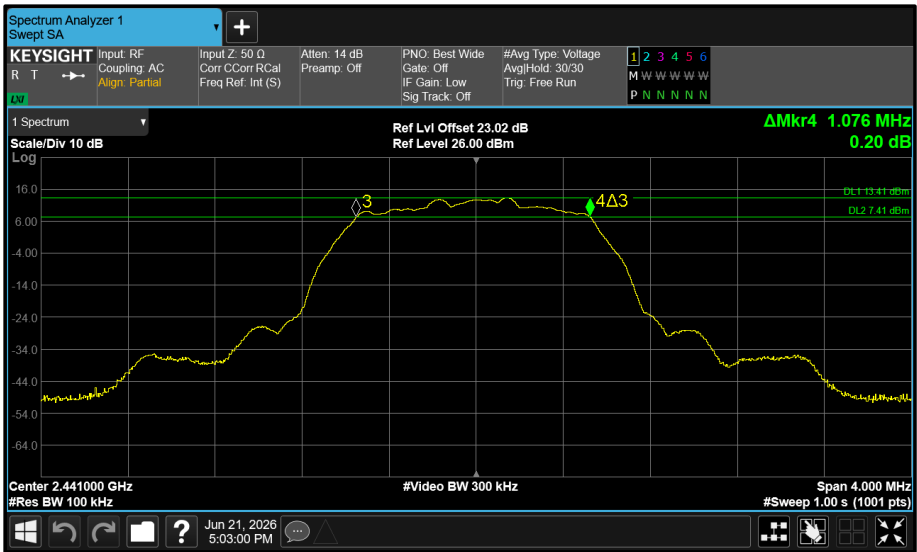


Figure 384 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

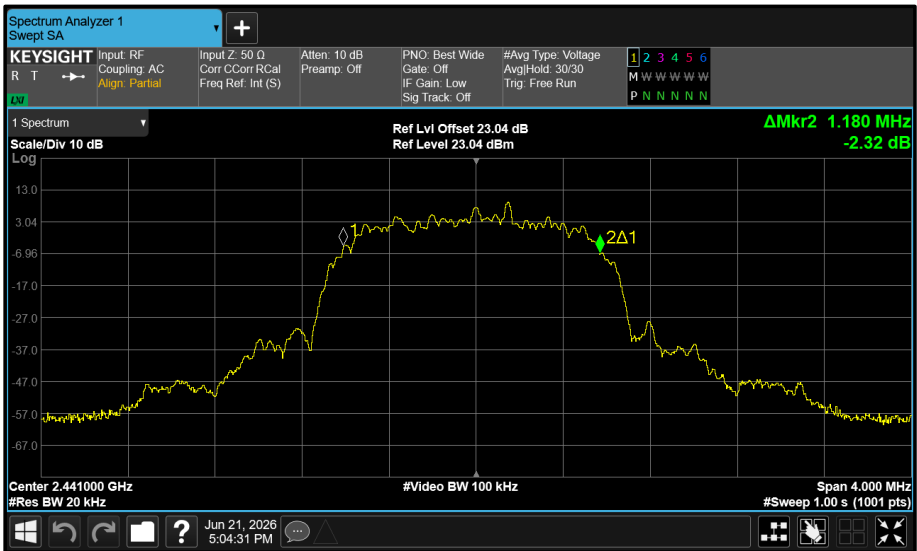


Figure 385 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

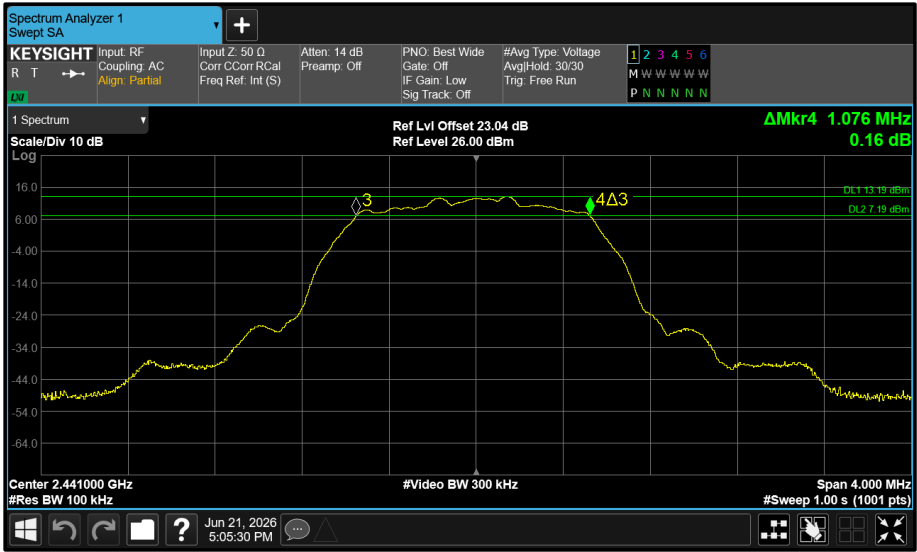


Figure 386 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

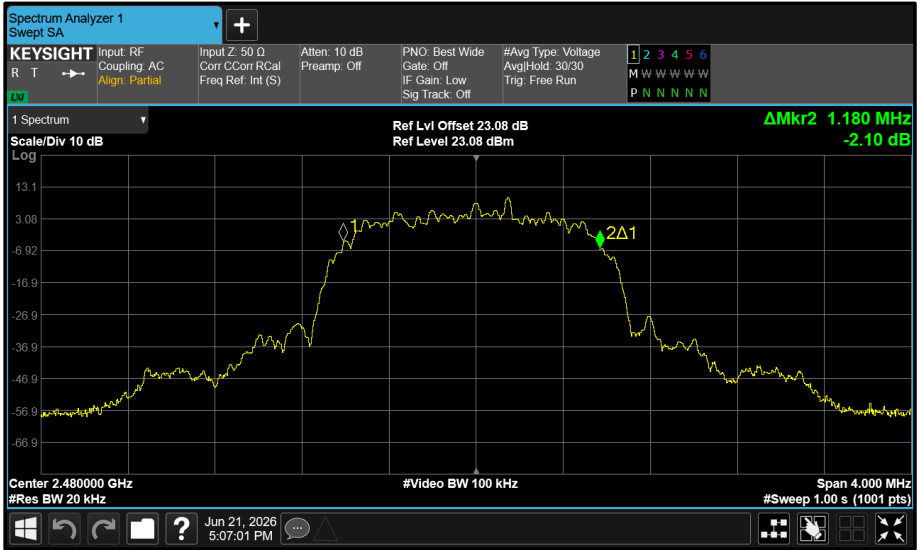


Figure 387 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

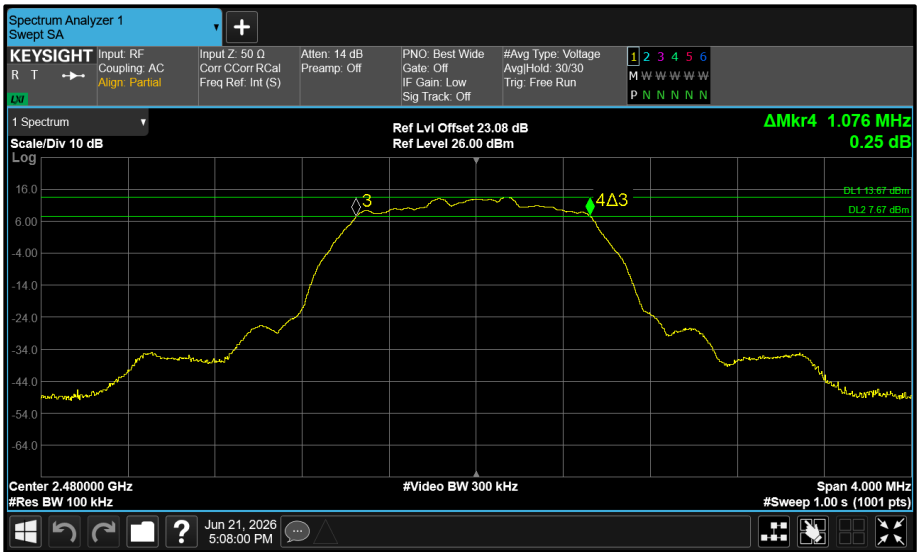


Figure 388 - Core 0 (A) 2480 MHz (CH78) 6 dB Bandwidth

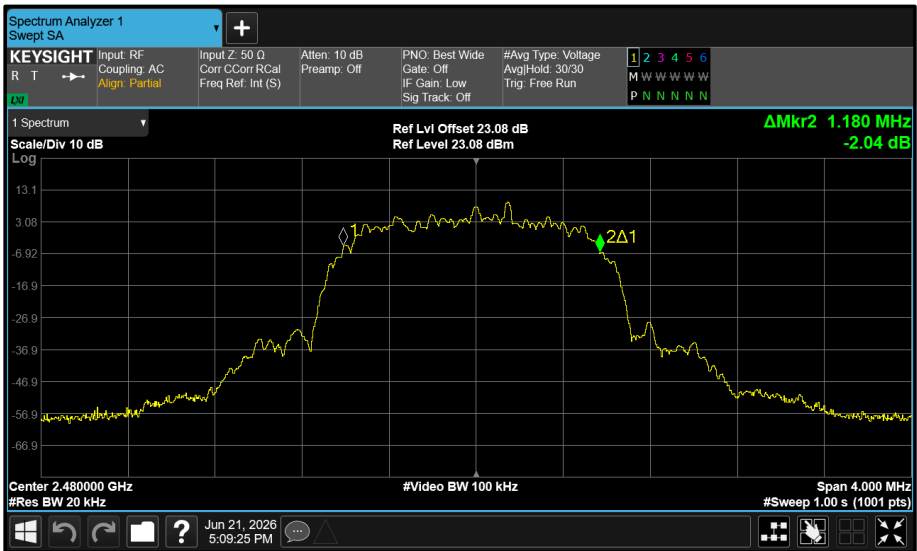


Figure 389 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth

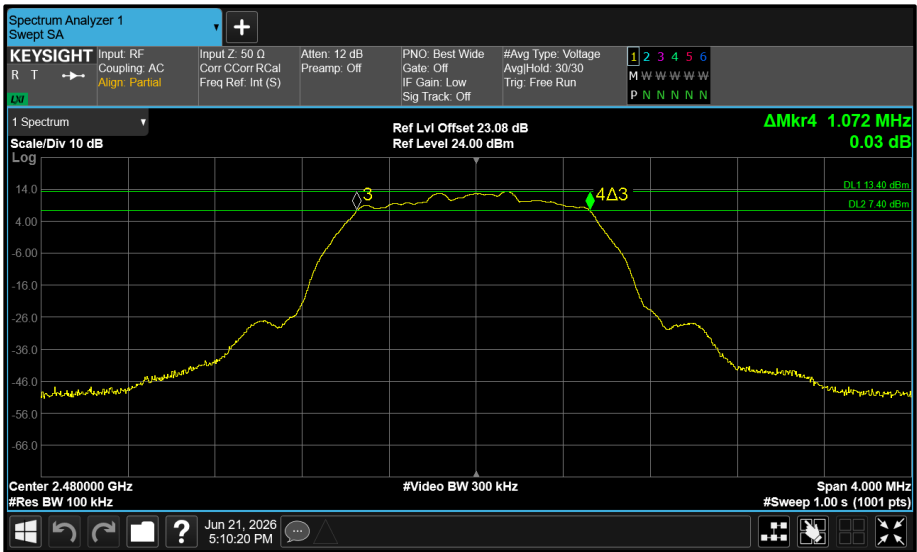


Figure 390 - Core 1 (B) 2480 MHz (CH78) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ 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	0.570	0.570	-	-	≥ 500.0
2441	0.570	0.570	-	-	≥ 500.0
2476	0.570	0.570	-	-	≥ 500.0

Table 79 - 6 dB Bandwidth Results

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

Table 80 - 99% Bandwidth Results

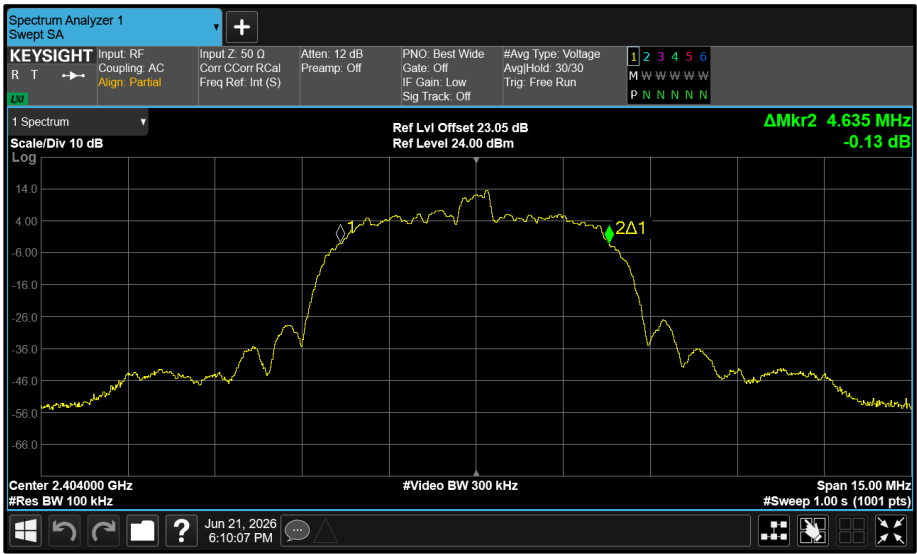


Figure 391 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

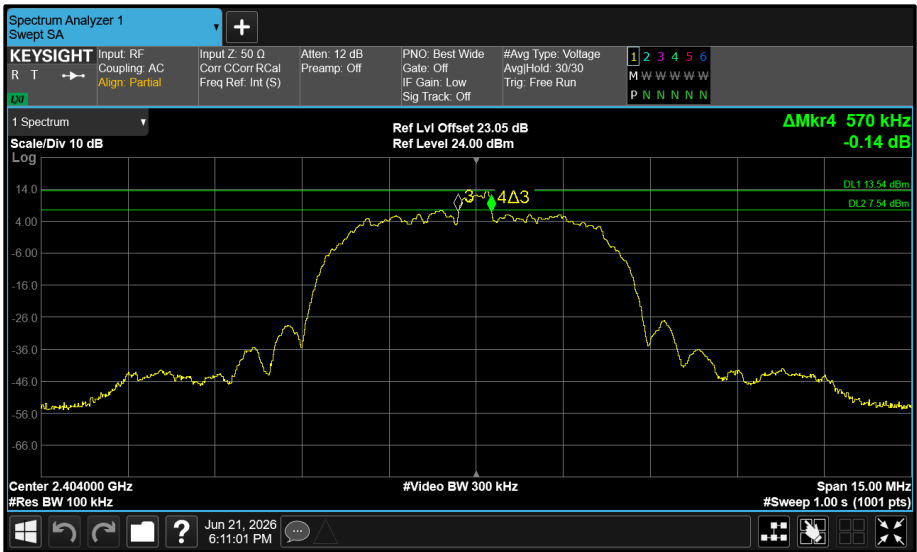


Figure 392 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

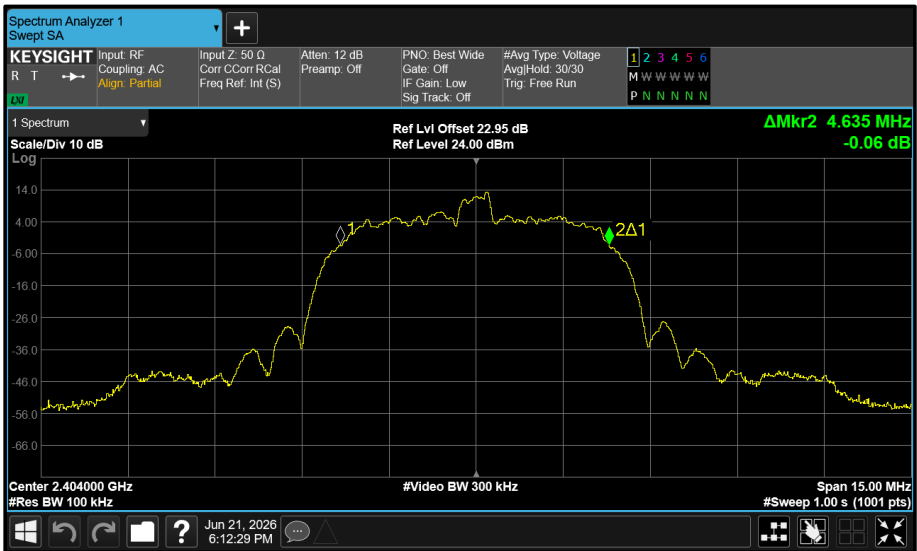


Figure 393 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

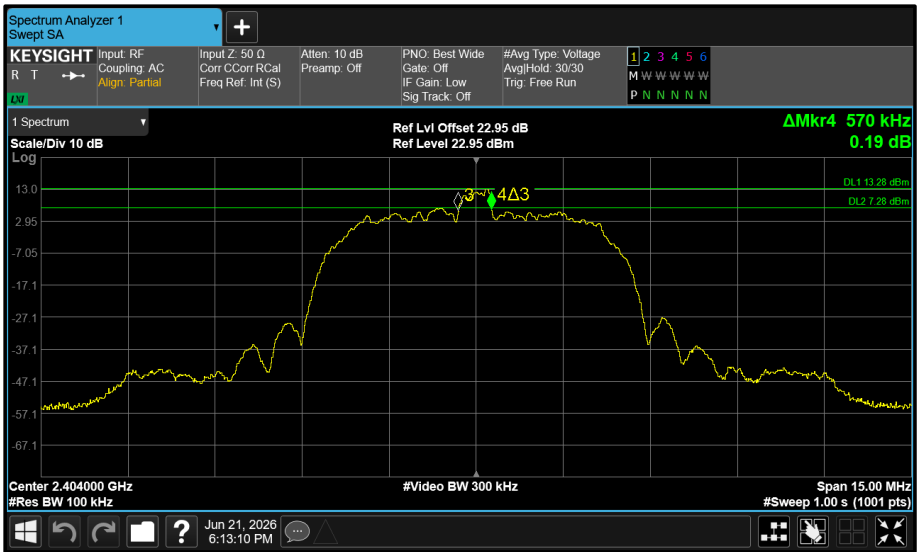


Figure 394 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

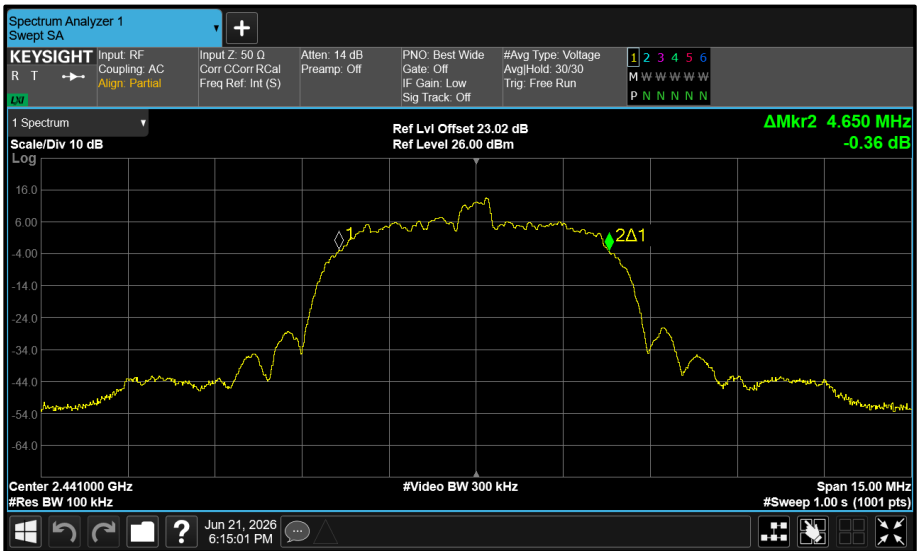


Figure 395 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

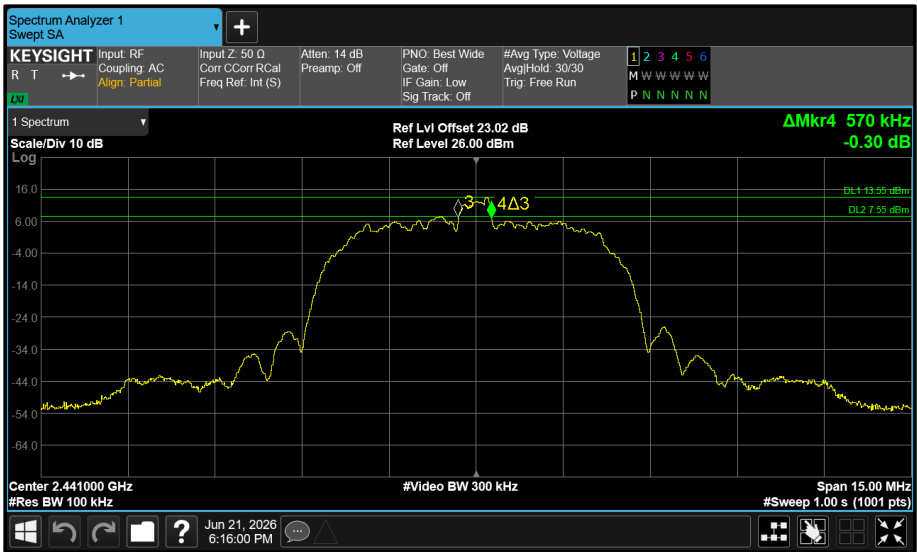


Figure 396 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

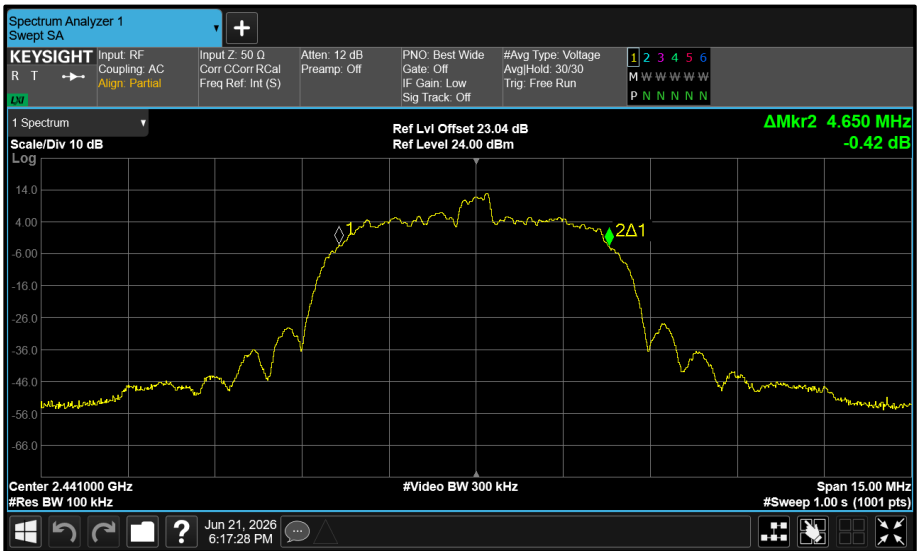


Figure 397 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

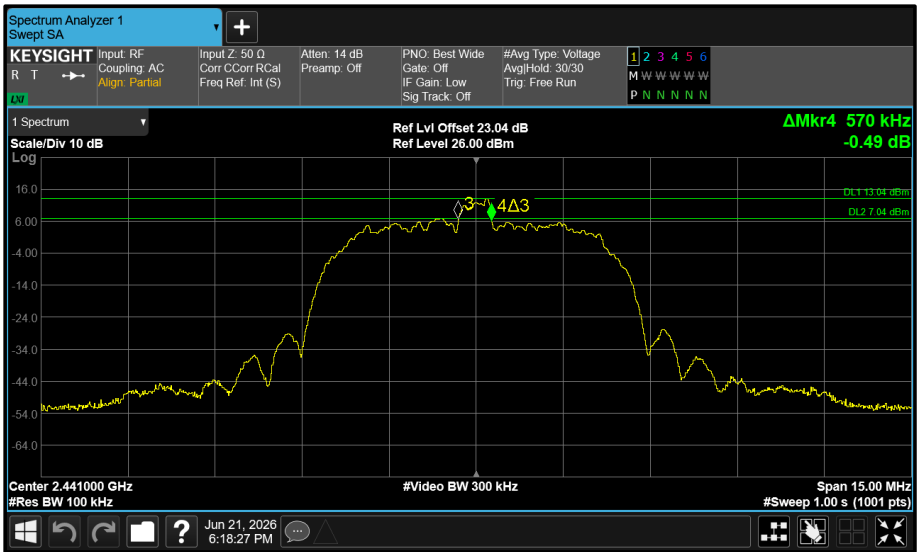


Figure 398 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

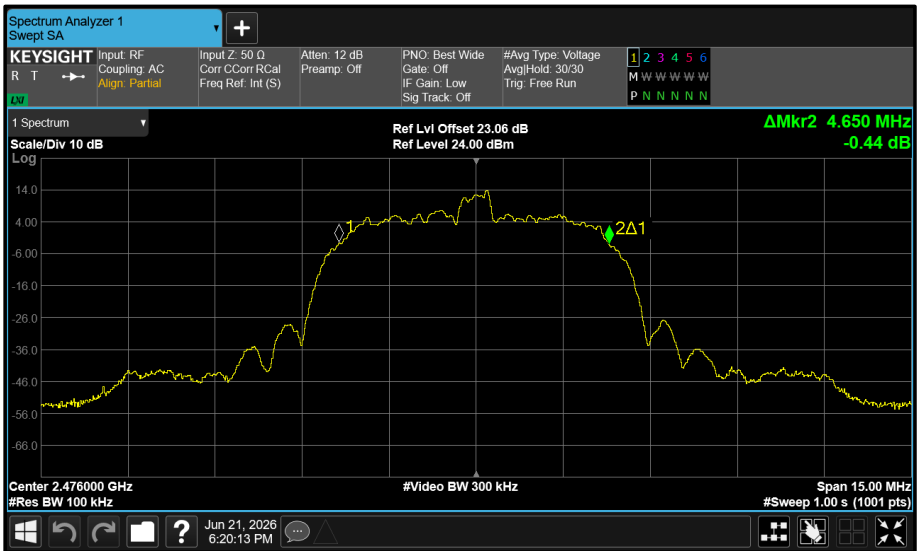


Figure 399 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

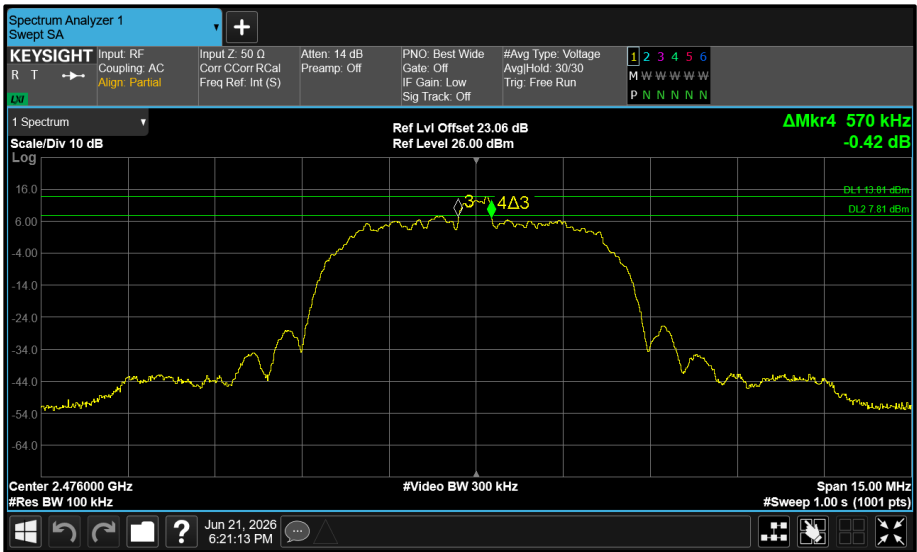


Figure 400 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

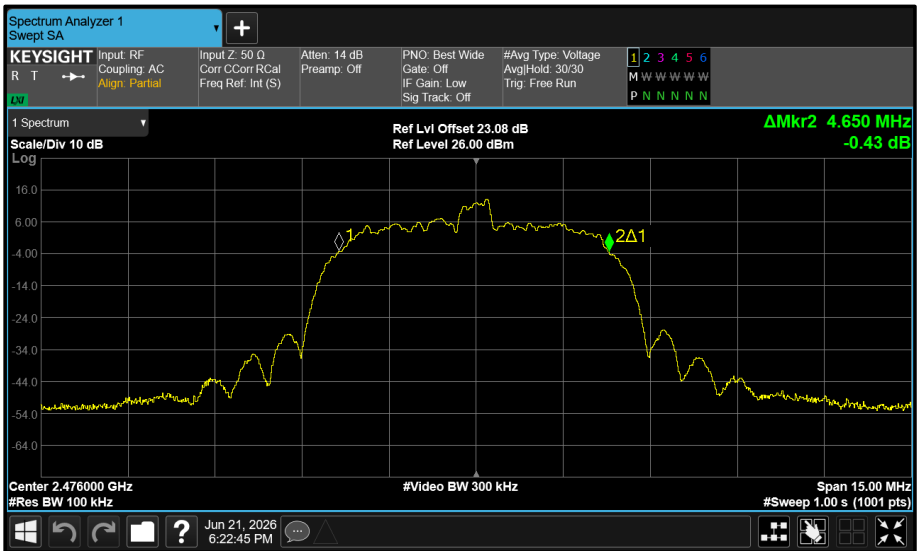


Figure 401 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

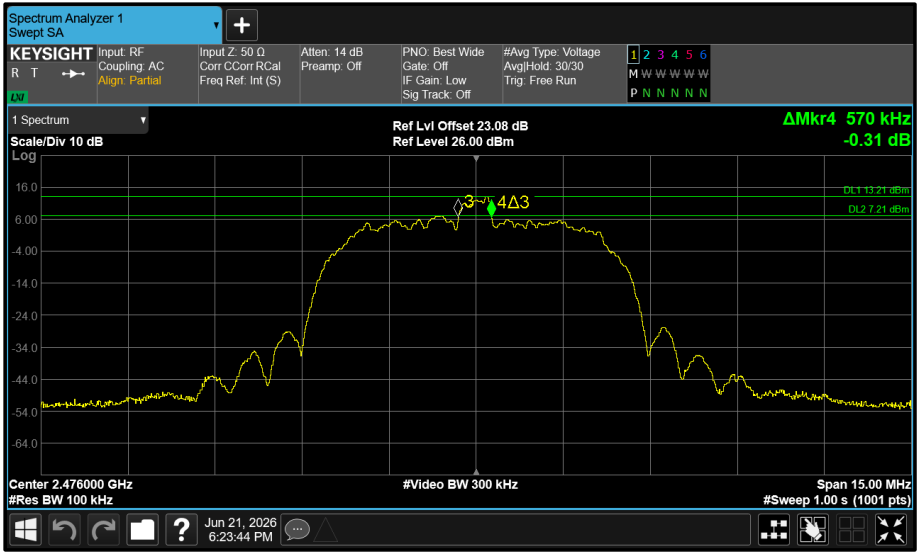


Figure 402 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8PSK (HDT4)	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	2.136	2.136	-	-	≥500.0
2440	2.136	2.136	-	-	≥500.0
2476	2.136	2.136	-	-	≥500.0

Table 81 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	2.352	2.352	-	-	-
2440	2.360	2.360	-	-	-
2476	2.360	2.360	-	-	-

Table 82 - 99% Bandwidth Results

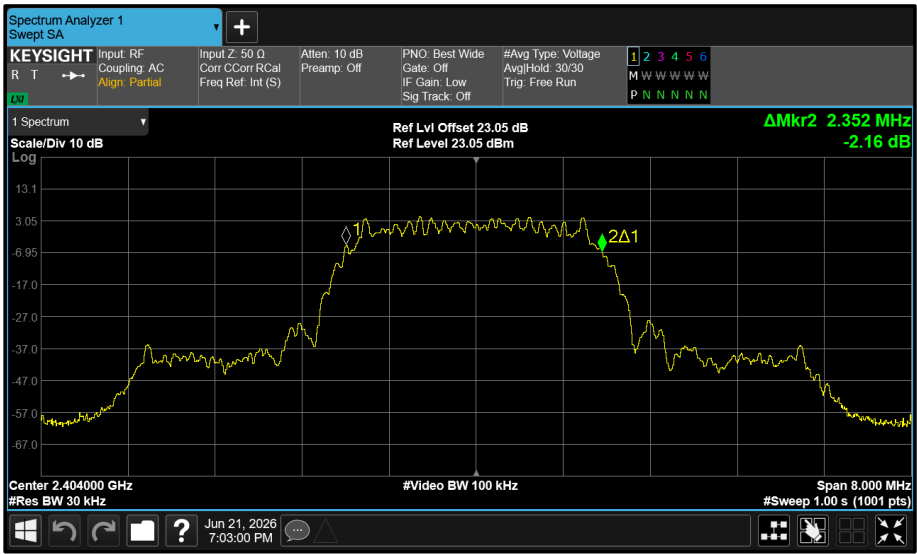


Figure 403 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

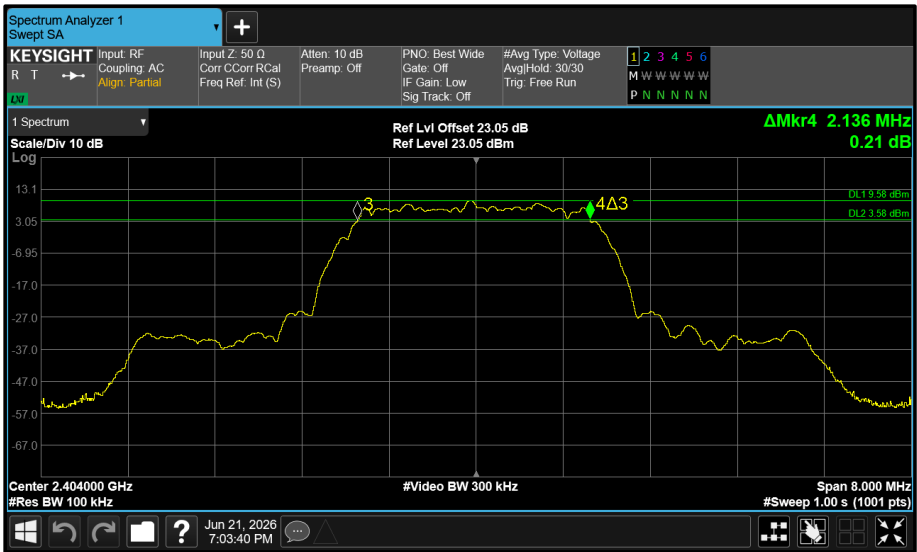


Figure 404 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

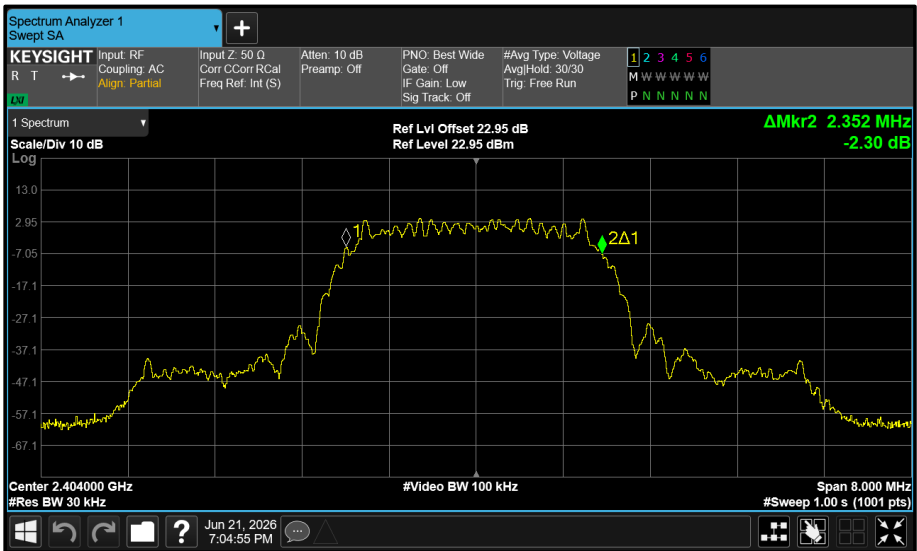


Figure 405 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth



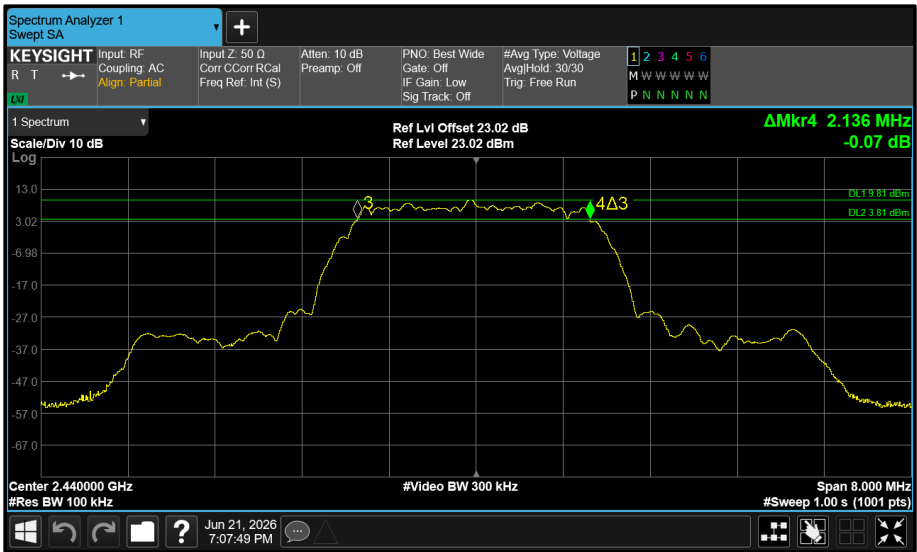


Figure 408 - Core 0 (A) 2440 MHz (CH38) 6 dB Bandwidth

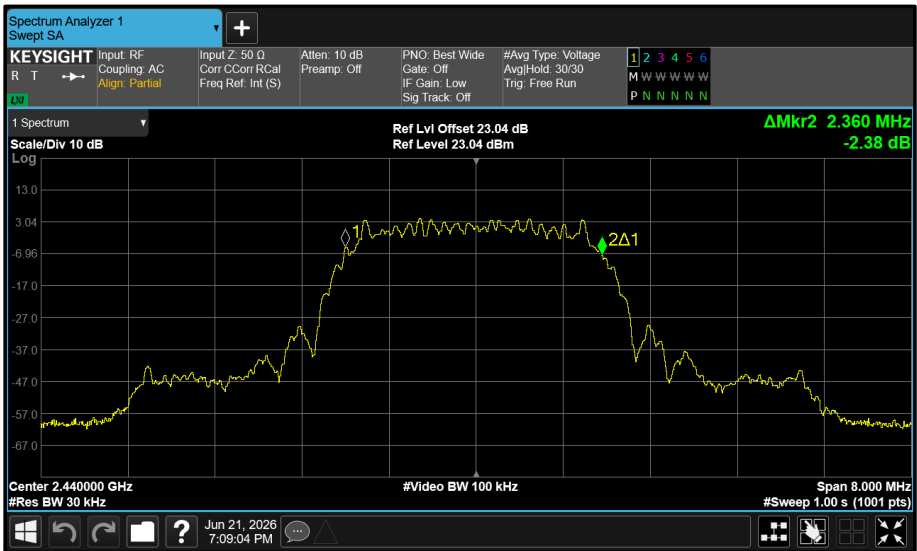


Figure 409 - Core 1 (B) 2440 MHz (CH38) 99% Bandwidth

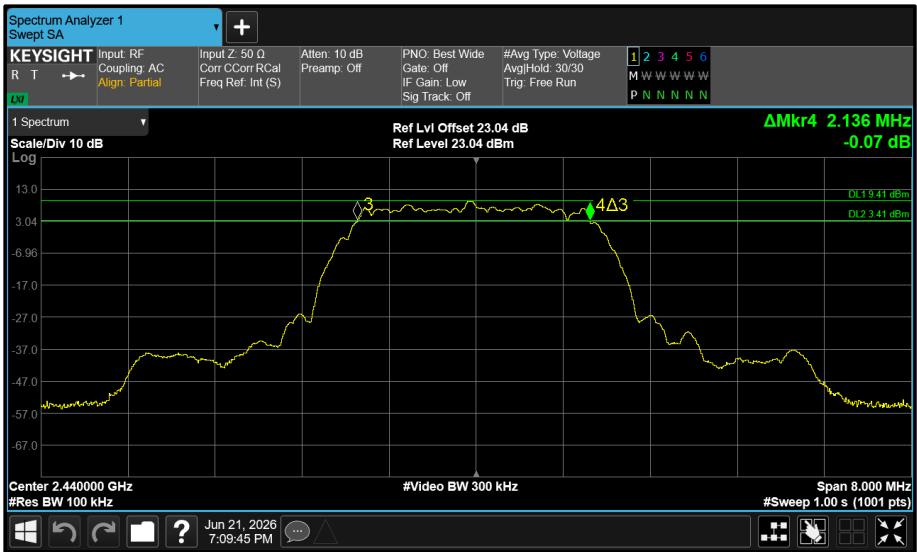


Figure 410 - Core 1 (B) 2440 MHz (CH38) 6 dB Bandwidth

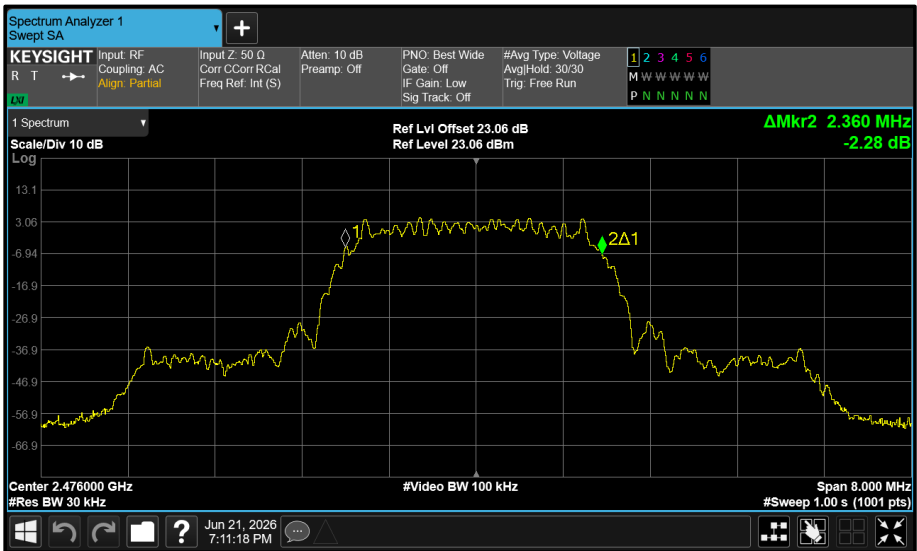


Figure 411 - Core 0 (A) 2476 MHz (CH74) 99% Bandwidth

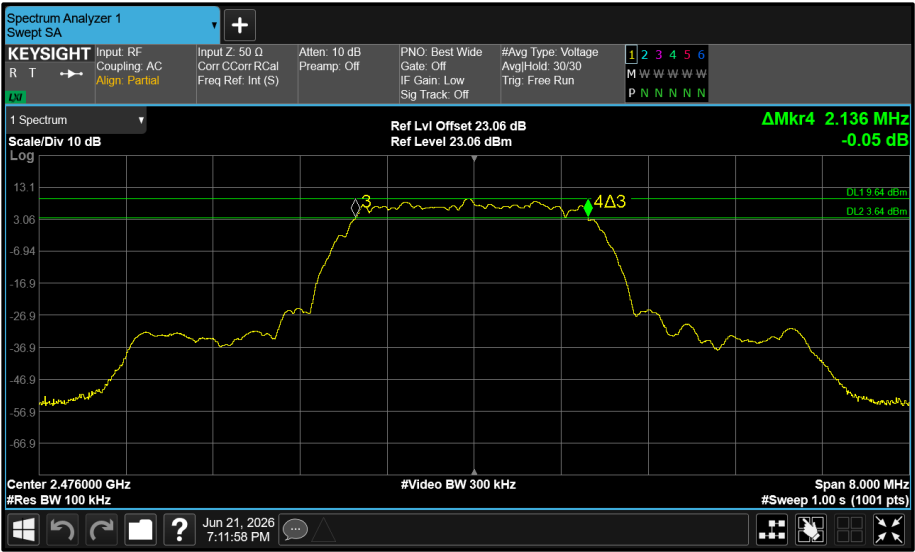


Figure 412 - Core 0 (A) 2476 MHz (CH74) 6 dB Bandwidth

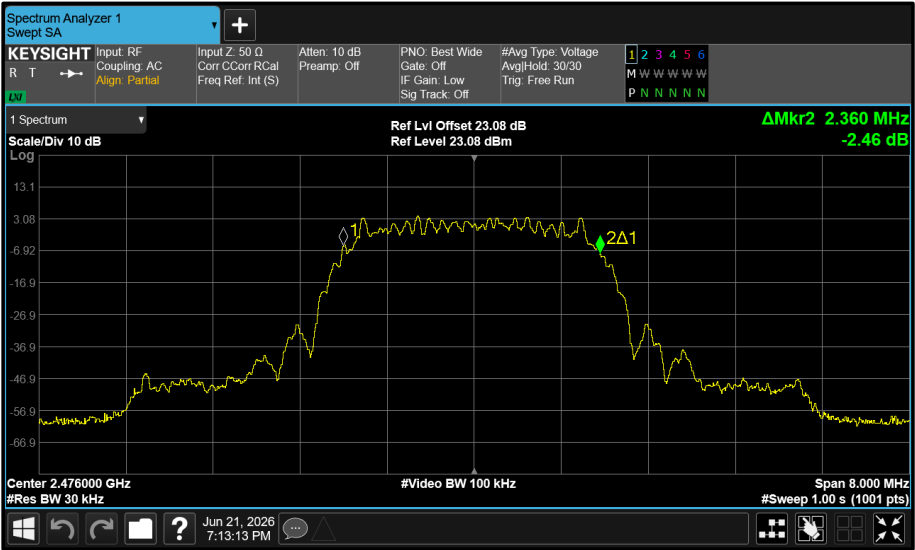


Figure 413 - Core 1 (B) 2476 MHz (CH74) 99% Bandwidth

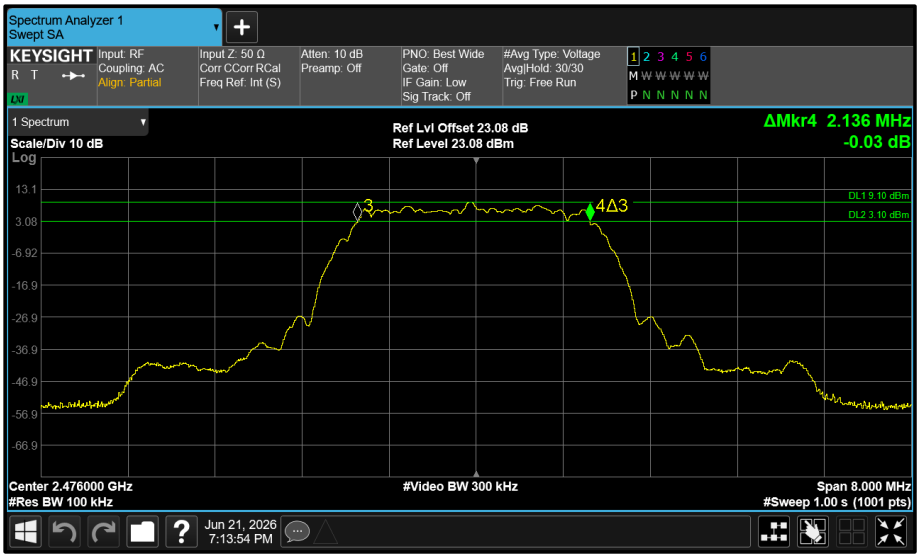


Figure 414 - Core 1 (B) 2476 MHz (CH74) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 16QAM (HDRPM12)	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	4.060	2.180	-	-	≥500.0
2440	4.040	4.060	-	-	≥500.0
2475	4.080	2.560	-	-	≥500.0

Table 83 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2404	4.700	4.700	-	-	-
2440	4.700	4.700	-	-	-
2475	4.700	4.700	-	-	-

Table 84 - 99% Bandwidth Results

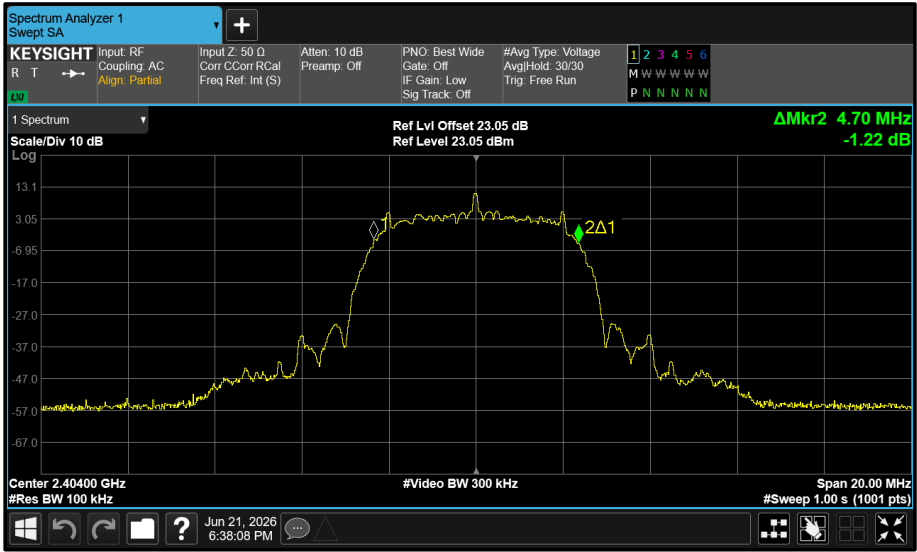


Figure 415 - Core 0 (A) 2404 MHz (CH2) 99% Bandwidth

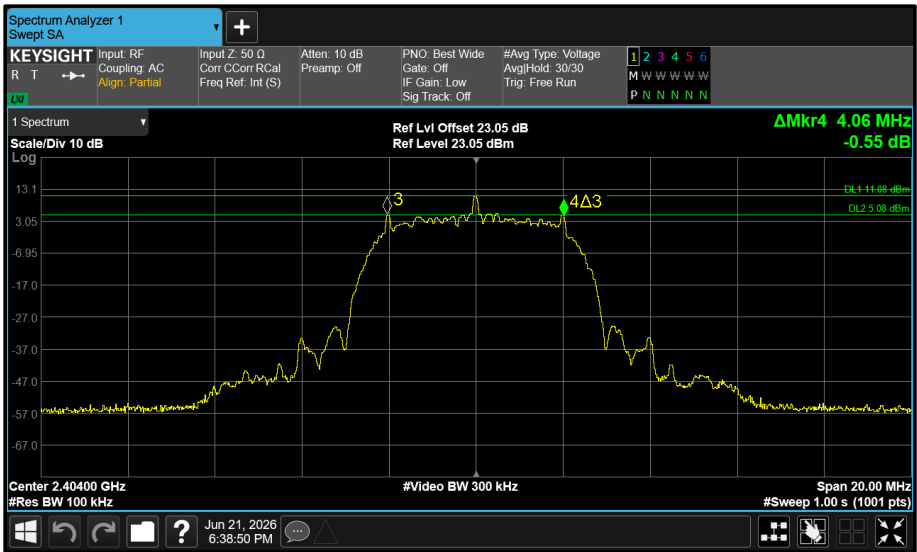


Figure 416 - Core 0 (A) 2404 MHz (CH2) 6 dB Bandwidth

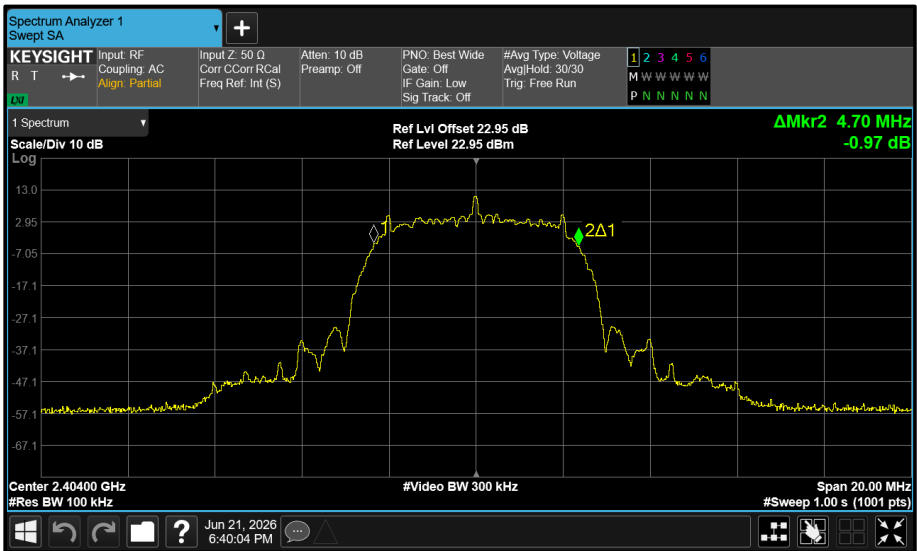


Figure 417 - Core 1 (B) 2404 MHz (CH2) 99% Bandwidth

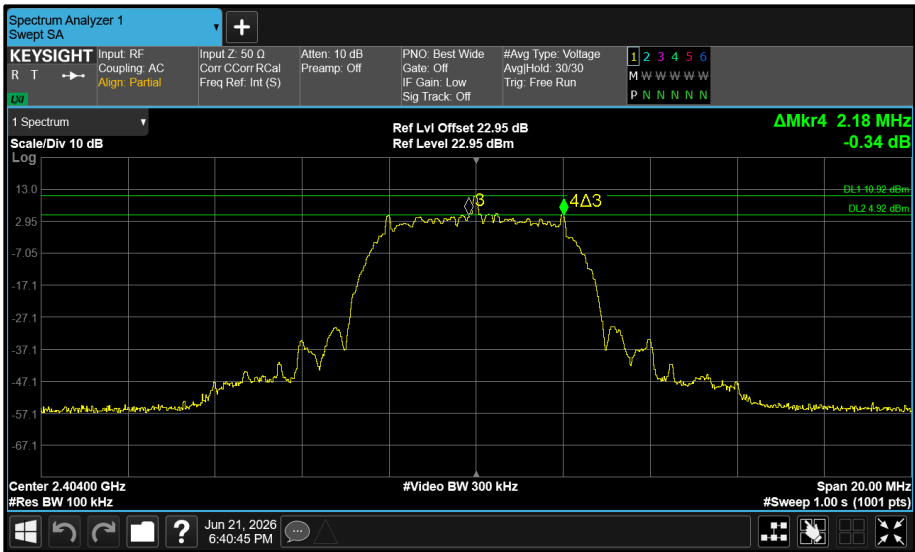


Figure 418 - Core 1 (B) 2404 MHz (CH2) 6 dB Bandwidth

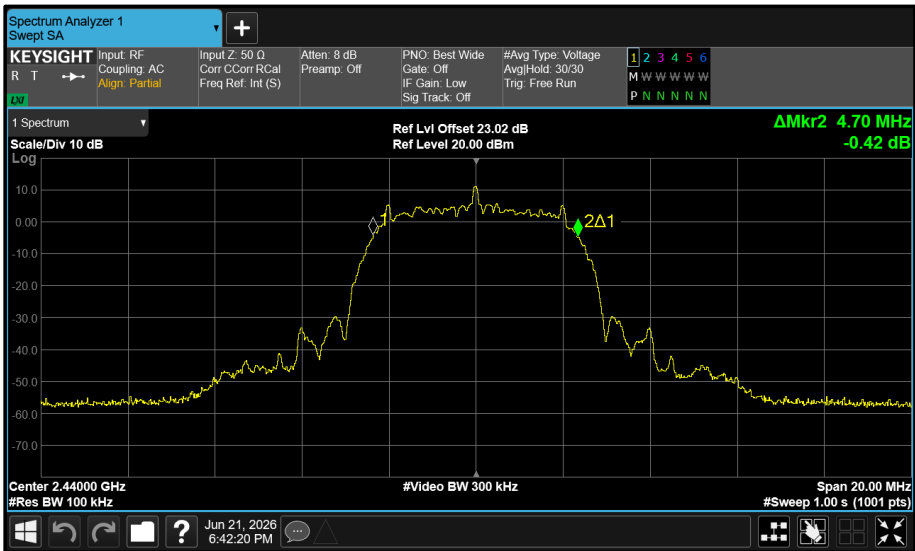


Figure 419 - Core 0 (A) 2440 MHz (CH38) 99% Bandwidth

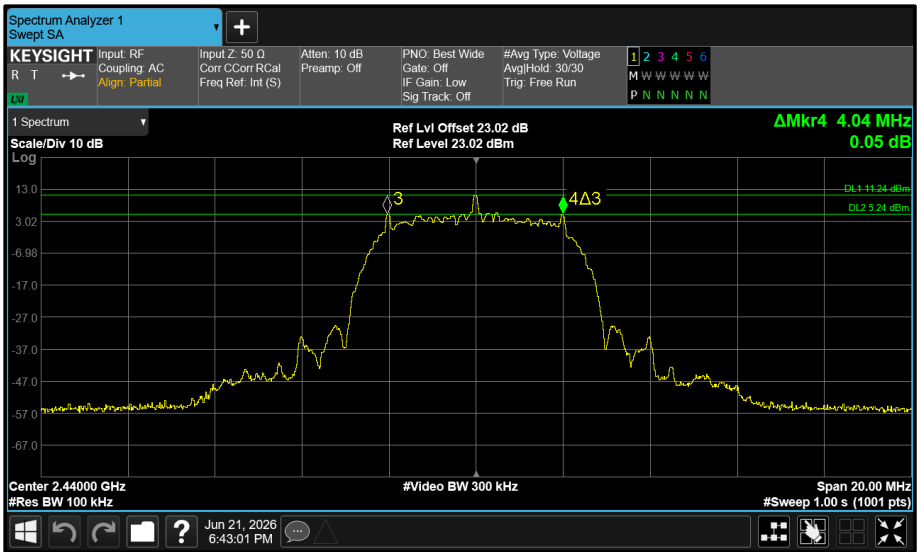


Figure 420 - Core 0 (A) 2440 MHz (CH38) 6 dB Bandwidth

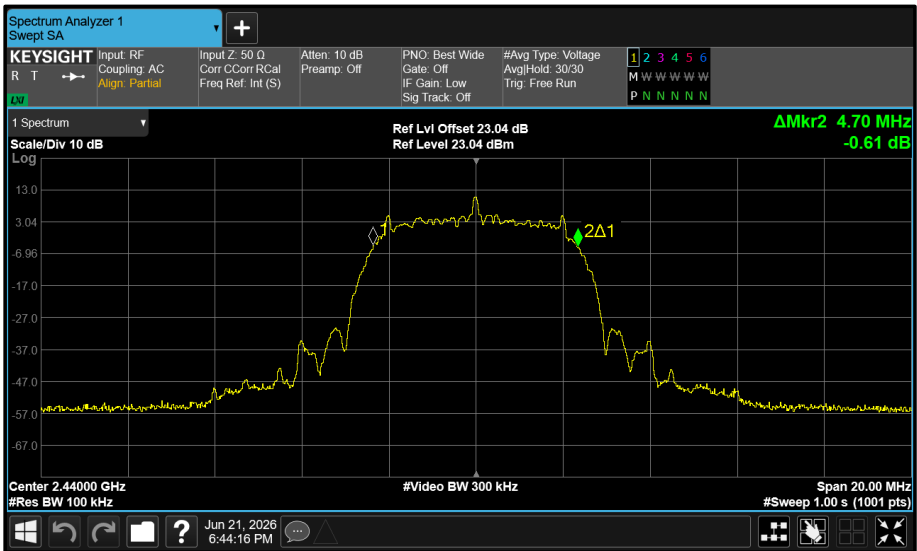


Figure 421 - Core 1 (B) 2440 MHz (CH38) 99% Bandwidth

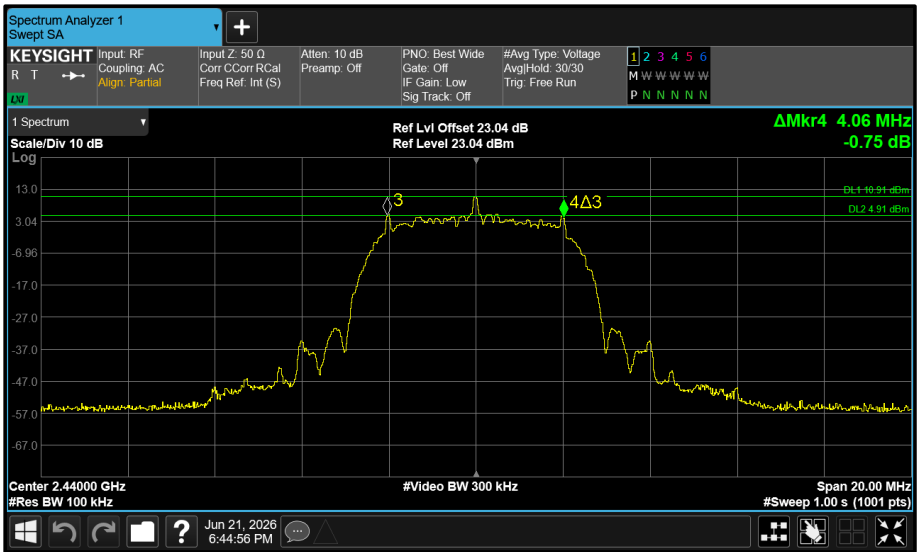


Figure 422 - Core 1 (B) 2440 MHz (CH38) 6 dB Bandwidth

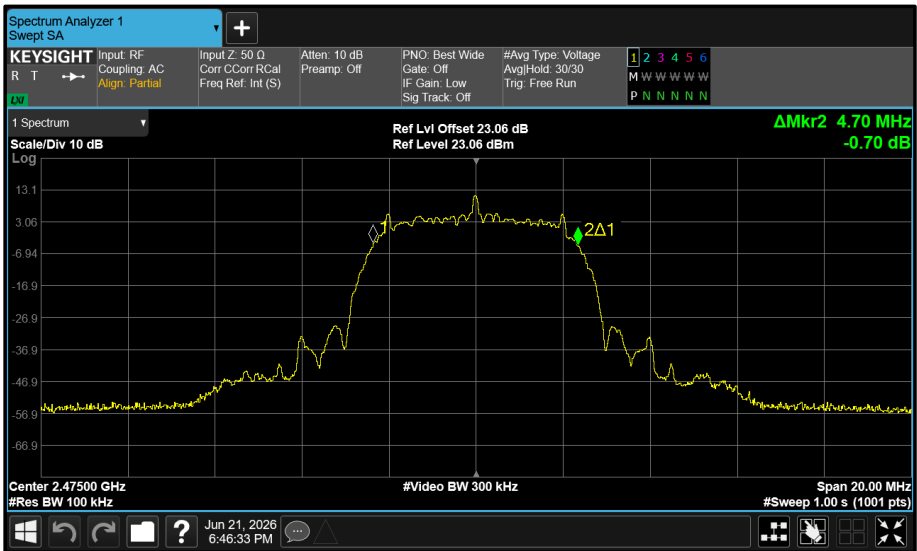


Figure 423 - Core 0 (A) 2475 MHz (CH73) 99% Bandwidth

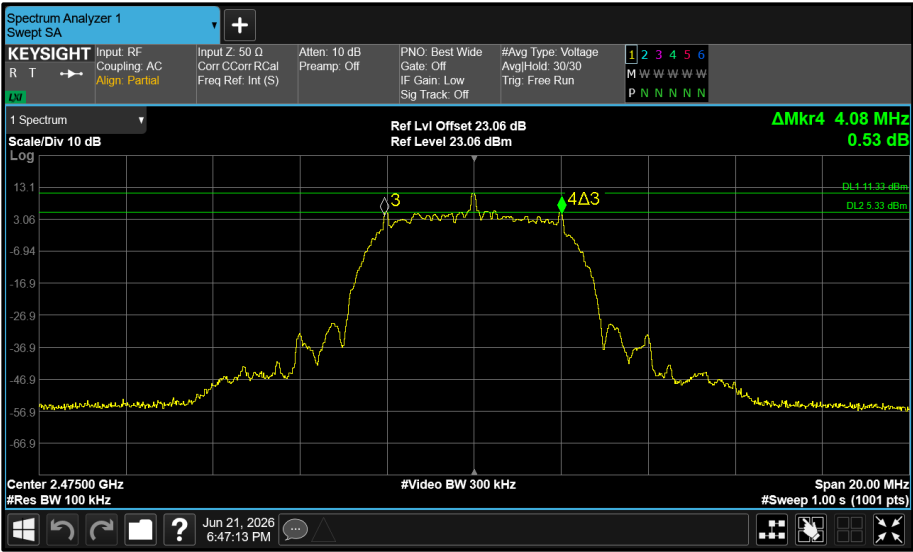


Figure 424 - Core 0 (A) 2475 MHz (CH73) 6 dB Bandwidth

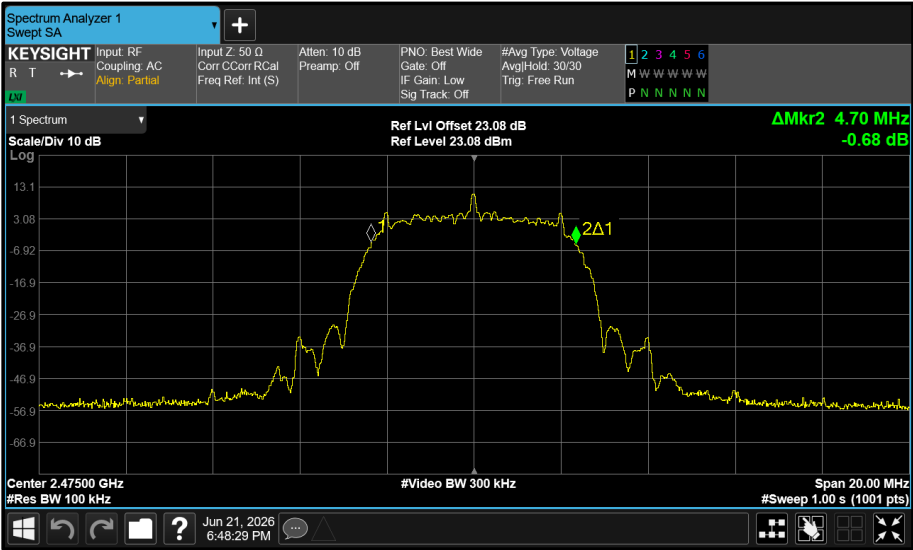


Figure 425 - Core 1 (B) 2475 MHz (CH73) 99% Bandwidth

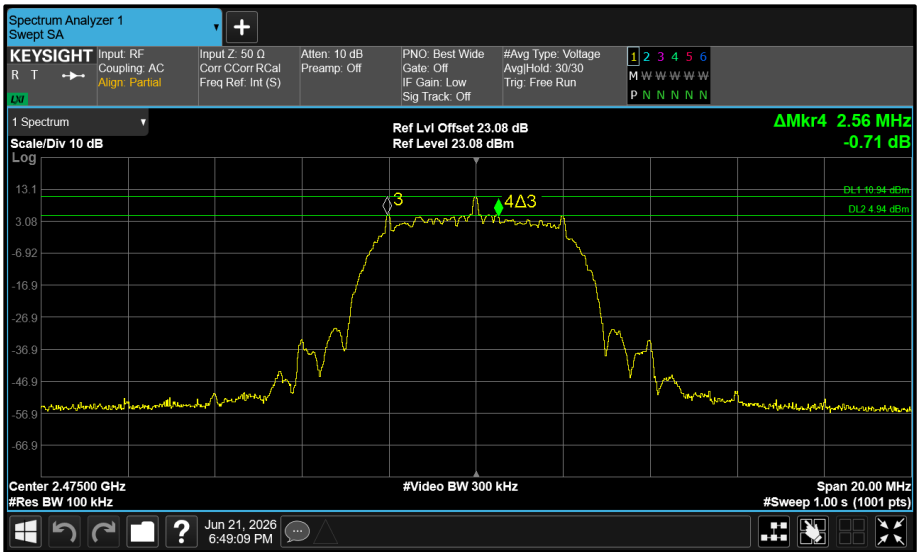


Figure 426 - Core 1 (B) 2475 MHz (CH73) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
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	0.664	0.664	-	-	≥500.0
2440	0.668	0.668	-	-	≥500.0
2480	0.668	0.664	-	-	≥500.0

Table 85 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.016	1.016	-	-	-
2440	1.012	1.012	-	-	-
2480	1.016	1.016	-	-	-

Table 86 - 99% Bandwidth Results

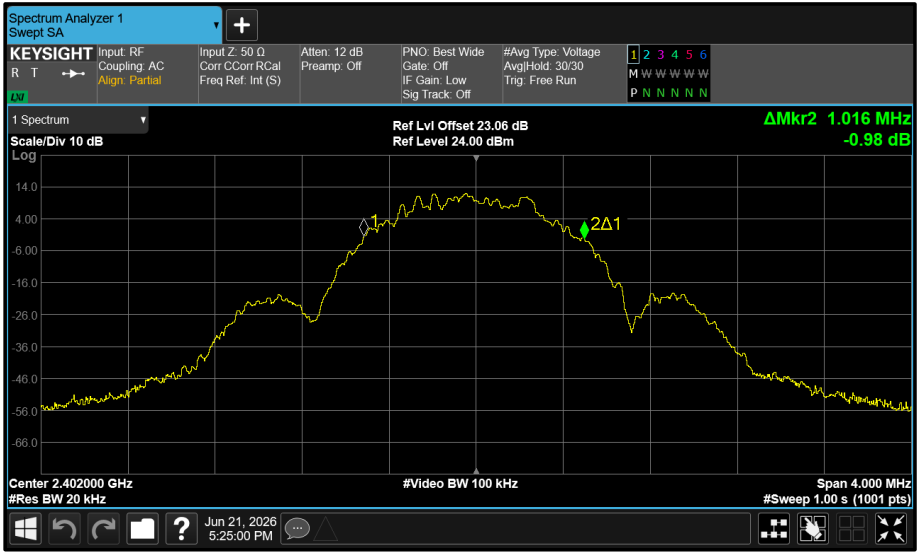


Figure 427 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

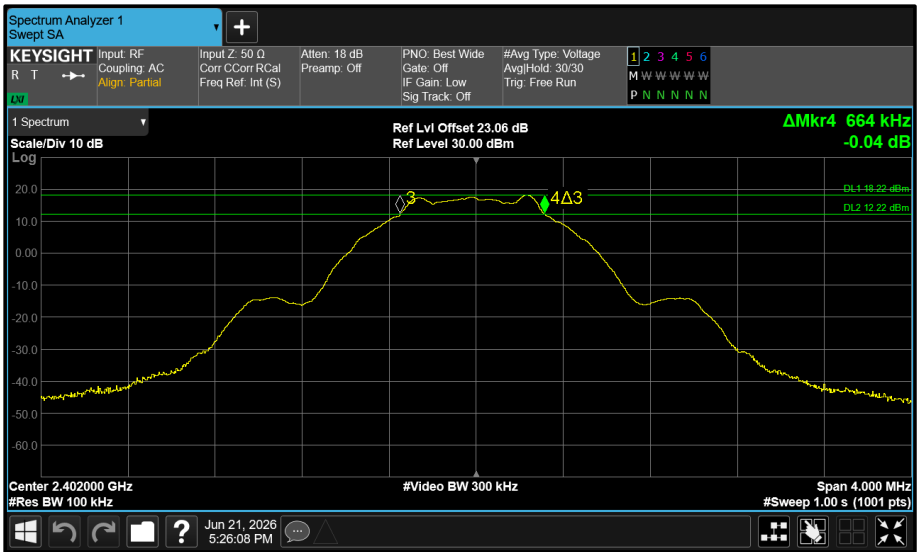


Figure 428 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

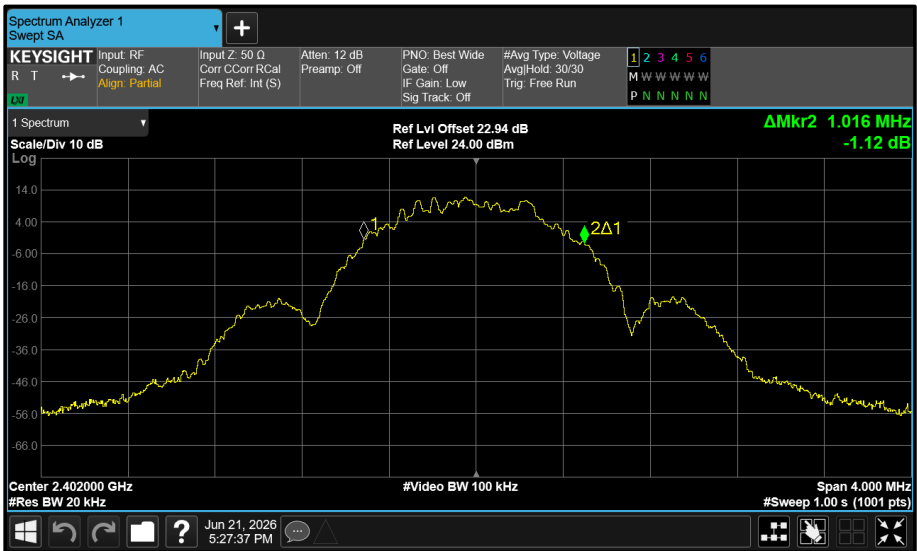


Figure 429 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

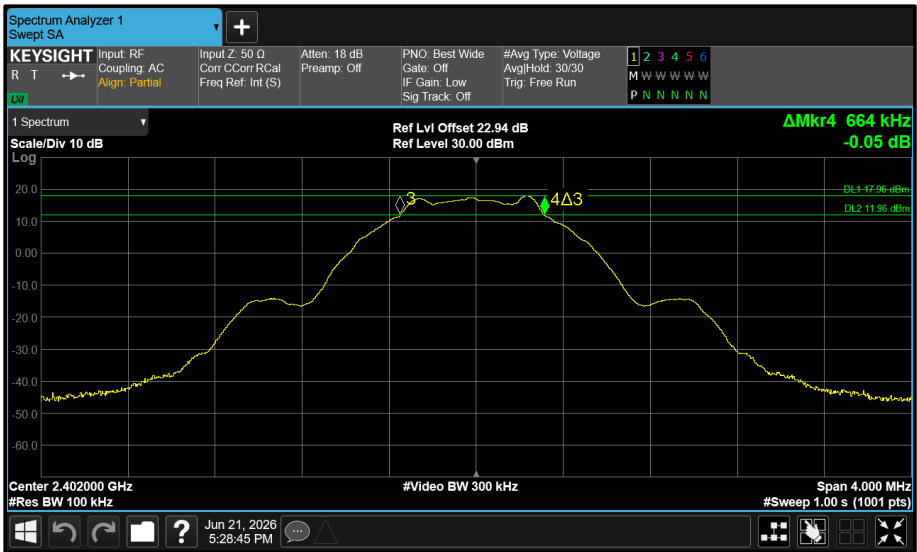


Figure 430 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

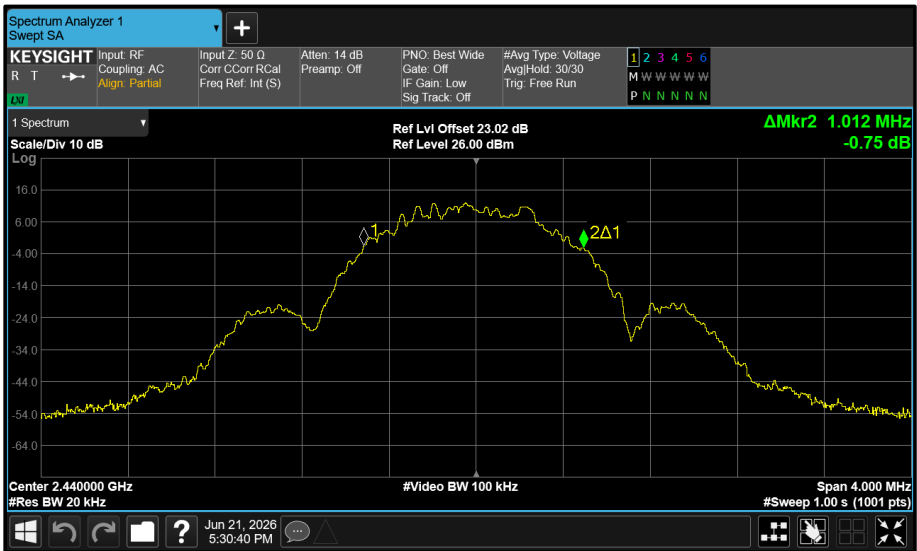


Figure 431 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

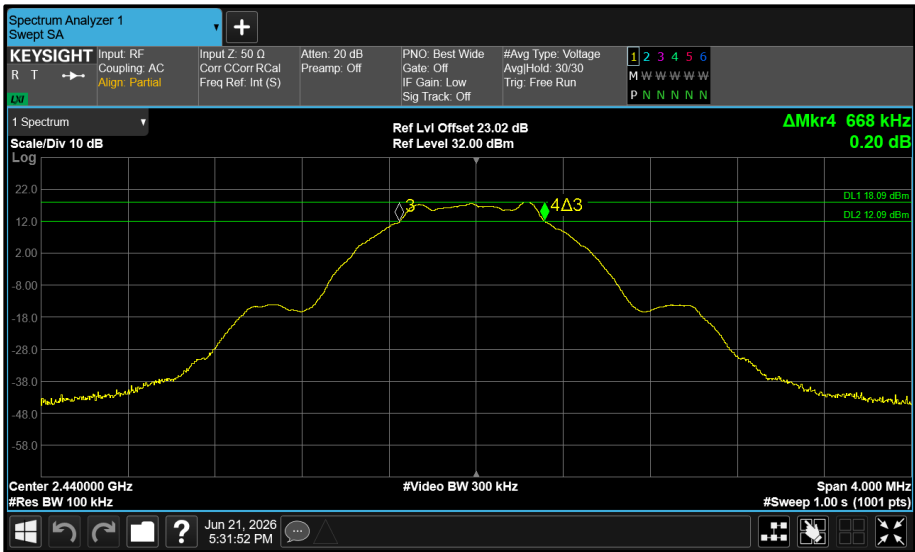


Figure 432 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

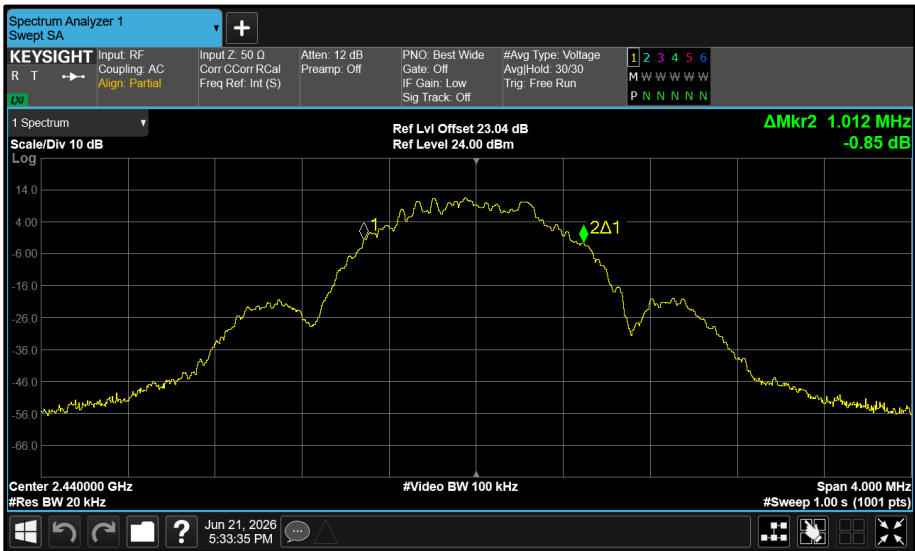


Figure 433 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

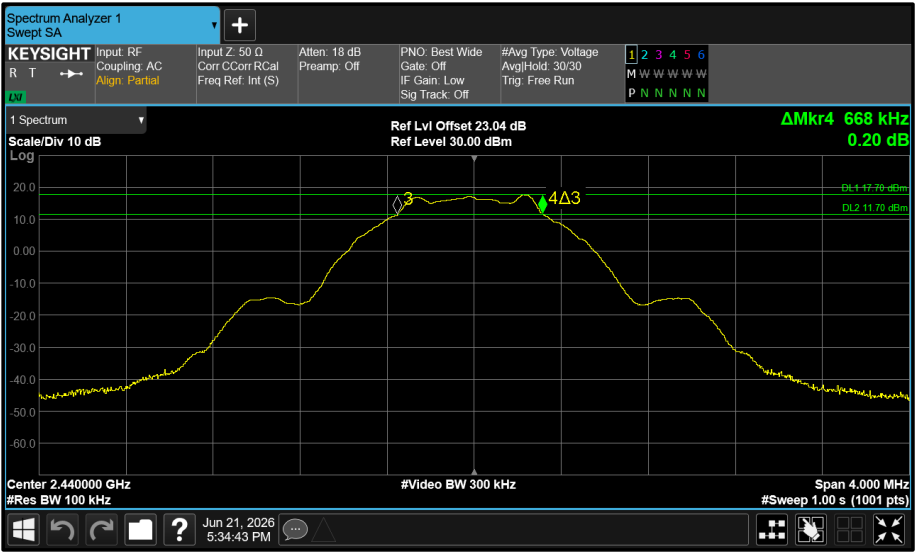


Figure 434 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

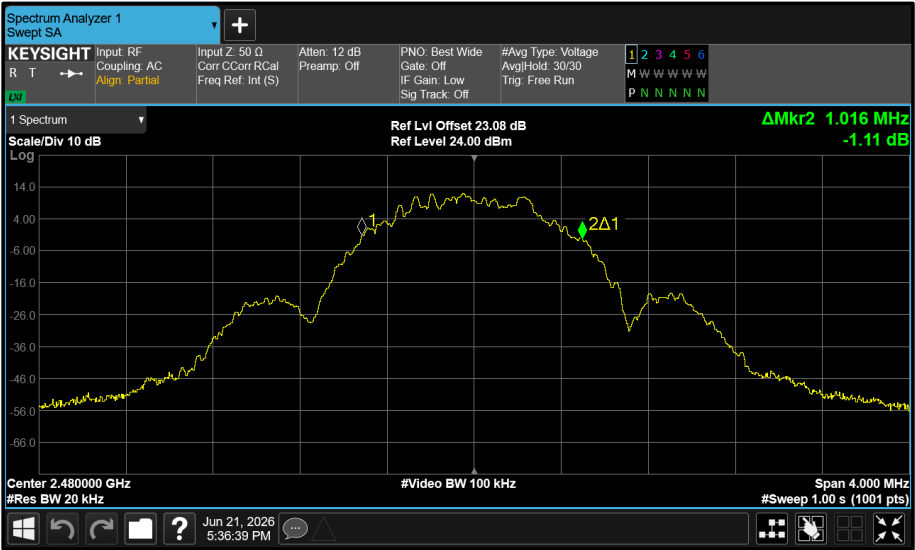


Figure 435 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

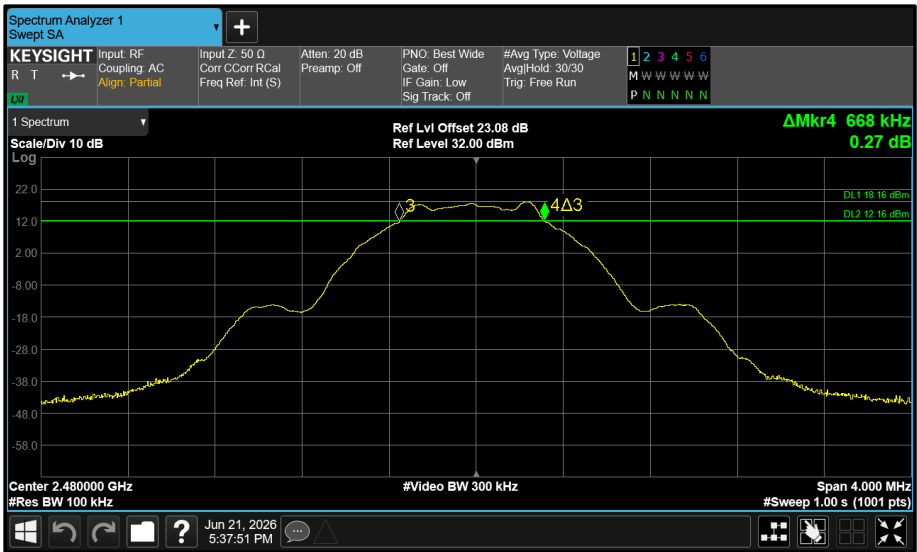


Figure 436 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

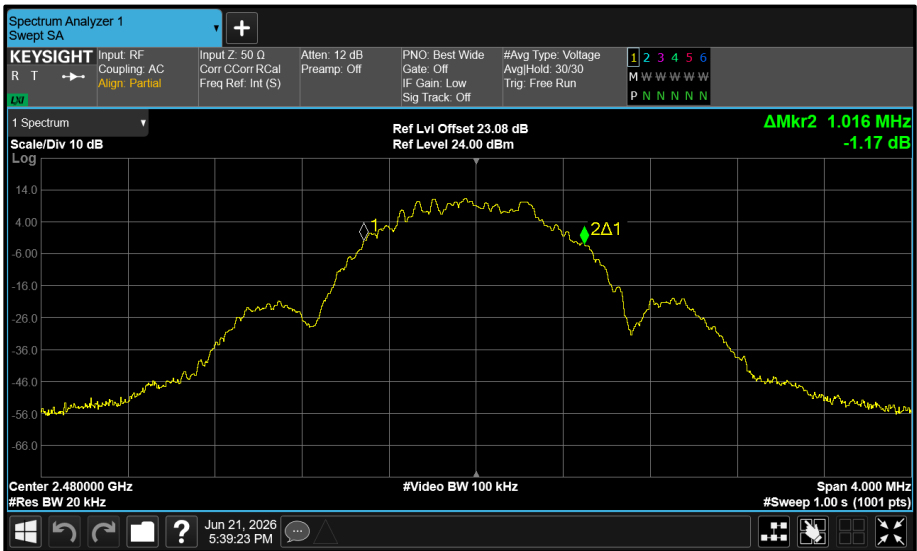


Figure 437 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

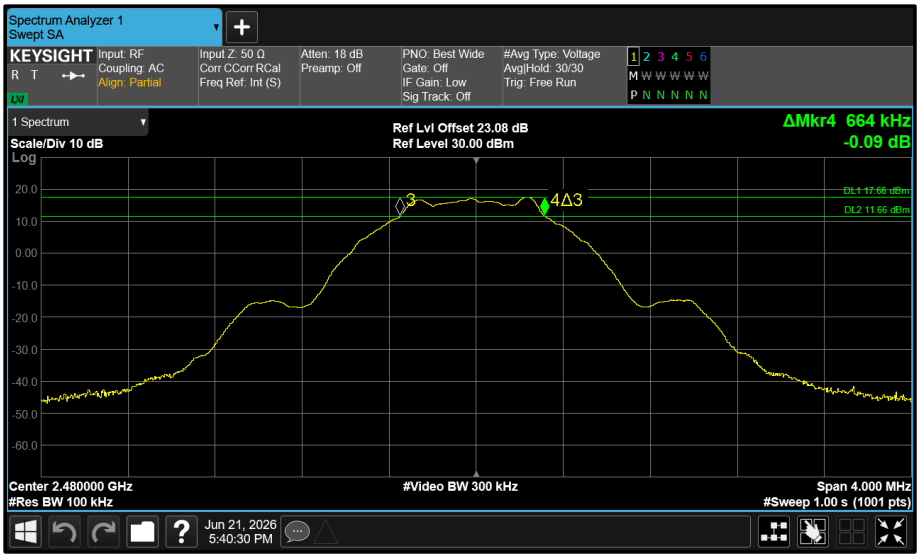


Figure 438 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

FCC 47 CFR Part 15, Limit Clause 15.247(a)(2) and ISSED RSS-247, Clause 6.3.1(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 Laboratory 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5921	12	29-Nov-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5922	12	29-Nov-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5923	12	29-Nov-2026
Modular Power System Mainframe	Keysight Technologies	N6701C	5969	-	O/P Mon
DC Power Module 60V 20A 300W	Keysight Technologies	N6754A	5970	-	O/P Mon
Humidity & Temperature meter	R.S Components	1364	6148	12	28-Aug-2026
MXA Signal Analyser	Keysight Technologies	N9020B	6417	24	14-Oct-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6522	12	29-Nov-2026
Digital Thermometer	R.S Components	RS 5511	6739	12	02-Mar-2027
Multimeter	Fluke	115	7115	12	13-Aug-2026

Table 87

O/P Mon - Output Monitored using calibrated equipment



2.3 Maximum Conducted Output Power

2.3.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (b)
ISED RSS-247, Clause 6.3.2
ISED RSS-GEN, Clause 6.12

2.3.2 Equipment Under Test and Modification State

A3590, S/N: G4F2X9GG6P - Modification State 0

2.3.3 Date of Test

21-May-2026 to 29-June-2026

2.3.4 Test Method

The test was performed in accordance with ANSI C63.10 clause 11.9.1.2 Method PKPM1.

MIMO output port summing was performed in accordance with KDB 662911 D01.

2.3.5 Environmental Conditions

Ambient Temperature	20.2 - 23.8 °C
Relative Humidity	44.2 - 58.6 %



2.3.6 Test Results

2.4 GHz Bluetooth - DTS

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	8.89	-	-	-	8.89	30.00	-21.11
2440	8.85	-	-	-	8.85	30.00	-21.15
2476	8.93	-	-	-	8.93	30.00	-21.07

Table 88 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	8.89	-	-	-	8.89	30.00	-21.11	11.49	36.00	-24.51
2440	8.85	-	-	-	8.85	30.00	-21.15	11.45	36.00	-24.55
2476	8.93	-	-	-	8.93	30.00	-21.07	11.53	36.00	-24.47

Table 89 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	7.99	-	-	-	7.99	30.00	-22.01
2440	7.91	-	-	-	7.91	30.00	-22.09
2480	8.00	-	-	-	8.00	30.00	-22.00

Table 90 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	7.99	-	-	-	7.99	30.00	-22.01	10.59	36.00	-25.41
2440	7.91	-	-	-	7.91	30.00	-22.09	10.51	36.00	-25.49
2480	8.00	-	-	-	8.00	30.00	-22.00	10.60	36.00	-25.40

Table 91 - ISED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LELR125K)	Duty Cycle (%):	100.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	8.01	-	-	-	8.01	30.00	-21.99
2440	8.15	-	-	-	8.15	30.00	-21.85
2480	7.97	-	-	-	7.97	30.00	-22.03

Table 92 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	8.01	-	-	-	8.01	30.00	-21.99	10.61	36.00	-25.39
2440	8.15	-	-	-	8.15	30.00	-21.85	10.75	36.00	-25.25
2480	7.97	-	-	-	7.97	30.00	-22.03	10.57	36.00	-25.43

Table 93 - ISED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	9.12	-	-	-	9.12	30.00	-20.88
2440	9.36	-	-	-	9.36	30.00	-20.64
2476	9.14	-	-	-	9.14	30.00	-20.86

Table 94 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	9.12	-	-	-	9.12	30.00	-20.88	11.72	36.00	-24.28
2440	9.36	-	-	-	9.36	30.00	-20.64	11.96	36.00	-24.04
2476	9.14	-	-	-	9.14	30.00	-20.86	11.74	36.00	-24.26

Table 95 - ISED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	8.33	-	-	-	8.33	30.00	-21.67
2440	8.47	-	-	-	8.47	30.00	-21.53
2475	8.15	-	-	-	8.15	30.00	-21.85

Table 96 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	8.33	-	-	-	8.33	30.00	-21.67	10.93	36.00	-25.07
2440	8.47	-	-	-	8.47	30.00	-21.53	11.07	36.00	-24.93
2475	8.15	-	-	-	8.15	30.00	-21.85	10.75	36.00	-25.25

Table 97 - ISED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	8.94	-	-	8.94	30.00	-21.06
2440	-	8.83	-	-	8.83	30.00	-21.17
2476	-	8.69	-	-	8.69	30.00	-21.31

Table 98 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	8.94	-	-	8.94	30.00	-21.06	11.54	36.00	-24.46
2440	-	8.83	-	-	8.83	30.00	-21.17	11.43	36.00	-24.57
2476	-	8.69	-	-	8.69	30.00	-21.31	11.29	36.00	-24.71

Table 99 - ISED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	7.81	-	-	7.81	30.00	-22.19
2440	-	7.96	-	-	7.96	30.00	-22.04
2480	-	7.86	-	-	7.86	30.00	-22.14

Table 100 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	-	7.81	-	-	7.81	30.00	-22.19	10.41	36.00	-25.59
2440	-	7.96	-	-	7.96	30.00	-22.04	10.56	36.00	-25.44
2480	-	7.86	-	-	7.86	30.00	-22.14	10.46	36.00	-25.54

Table 101 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LELR125K)	Duty Cycle (%):	100.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	8.09	-	-	8.09	30.00	-21.91
2440	-	8.01	-	-	8.01	30.00	-21.99
2480	-	7.94	-	-	7.94	30.00	-22.06

Table 102 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	-	8.09	-	-	8.09	30.00	-21.91	10.69	36.00	-25.31
2440	-	8.01	-	-	8.01	30.00	-21.99	10.61	36.00	-25.39
2480	-	7.94	-	-	7.94	30.00	-22.06	10.54	36.00	-25.46

Table 103 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	9.32	-	-	9.32	30.00	-20.68
2440	-	9.24	-	-	9.24	30.00	-20.76
2476	-	9.33	-	-	9.33	30.00	-20.67

Table 104 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	9.32	-	-	9.32	30.00	-20.68	11.92	36.00	-24.08
2440	-	9.24	-	-	9.24	30.00	-20.76	11.84	36.00	-24.16
2476	-	9.33	-	-	9.33	30.00	-20.67	11.93	36.00	-24.07

Table 105 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	8.52	-	-	8.52	30.00	-21.48
2440	-	8.39	-	-	8.39	30.00	-21.61
2475	-	8.41	-	-	8.41	30.00	-21.59

Table 106 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	8.52	-	-	8.52	30.00	-21.48	11.12	36.00	-24.88
2440	-	8.39	-	-	8.39	30.00	-21.61	10.99	36.00	-25.01
2475	-	8.41	-	-	8.41	30.00	-21.59	11.01	36.00	-24.99

Table 107 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.8
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	2.00

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	-	12.83	-	12.83	30.00	-17.17
2441	-	-	12.83	-	12.83	30.00	-17.17
2480	-	-	12.77	-	12.77	30.00	-17.23

Table 108 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	-	-	12.83	-	12.83	30.00	-17.17	14.83	36.00	-21.17
2441	-	-	12.83	-	12.83	30.00	-17.17	14.83	36.00	-21.17
2480	-	-	12.77	-	12.77	30.00	-17.23	14.77	36.00	-21.23

Table 109 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	2.00

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	-	12.62	-	12.62	30.00	-17.38
2440	-	-	12.63	-	12.63	30.00	-17.37
2476	-	-	12.80	-	12.80	30.00	-17.20

Table 110 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	-	12.62	-	12.62	30.00	-17.38	14.62	36.00	-21.38
2440	-	-	12.63	-	12.63	30.00	-17.37	14.63	36.00	-21.37
2476	-	-	12.80	-	12.80	30.00	-17.20	14.80	36.00	-21.20

Table 111 - ISED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	2.00

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	-	7.86	-	7.86	30.00	-22.14
2440	-	-	7.97	-	7.97	30.00	-22.03
2480	-	-	7.94	-	7.94	30.00	-22.06

Table 112 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	-	-	7.86	-	7.86	30.00	-22.14	9.86	36.00	-26.14
2440	-	-	7.97	-	7.97	30.00	-22.03	9.97	36.00	-26.03
2480	-	-	7.94	-	7.94	30.00	-22.06	9.94	36.00	-26.06

Table 113 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	2.00

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	-	13.29	-	13.29	30.00	-16.71
2440	-	-	13.31	-	13.31	30.00	-16.69
2476	-	-	13.28	-	13.28	30.00	-16.72

Table 114 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	-	13.29	-	13.29	30.00	-16.71	15.29	36.00	-20.71
2440	-	-	13.31	-	13.31	30.00	-16.69	15.31	36.00	-20.69
2476	-	-	13.28	-	13.28	30.00	-16.72	15.28	36.00	-20.72

Table 115 - ISED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	2.00

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	-	12.47	-	12.47	30.00	-17.53
2440	-	-	12.48	-	12.48	30.00	-17.52
2475	-	-	12.34	-	12.34	30.00	-17.66

Table 116 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	-	12.47	-	12.47	30.00	-17.53	14.47	36.00	-21.53
2440	-	-	12.48	-	12.48	30.00	-17.52	14.48	36.00	-21.52
2475	-	-	12.34	-	12.34	30.00	-17.66	14.34	36.00	-21.66

Table 117 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	19.35	-	-	-	19.35	30.00	-10.65
2441	19.35	-	-	-	19.35	30.00	-10.65
2480	19.38	-	-	-	19.38	30.00	-10.62

Table 118 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	19.35	-	-	-	19.35	30.00	-10.65	21.95	36.00	-14.05
2441	19.35	-	-	-	19.35	30.00	-10.65	21.95	36.00	-14.05
2480	19.38	-	-	-	19.38	30.00	-10.62	21.98	36.00	-14.02

Table 119 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	16.09	-	-	-	16.09	30.00	-13.91
2440	16.33	-	-	-	16.33	30.00	-13.67
2476	16.18	-	-	-	16.18	30.00	-13.82

Table 120 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	16.09	-	-	-	16.09	30.00	-13.91	18.69	36.00	-17.31
2440	16.33	-	-	-	16.33	30.00	-13.67	18.93	36.00	-17.07
2476	16.18	-	-	-	16.18	30.00	-13.82	18.78	36.00	-17.22

Table 121 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	18.53	-	-	-	18.53	30.00	-11.47
2440	18.53	-	-	-	18.53	30.00	-11.47
2480	18.50	-	-	-	18.50	30.00	-11.50

Table 122 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	18.53	-	-	-	18.53	30.00	-11.47	21.13	36.00	-14.87
2440	18.53	-	-	-	18.53	30.00	-11.47	21.13	36.00	-14.87
2480	18.50	-	-	-	18.50	30.00	-11.50	21.10	36.00	-14.90

Table 123 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8PSK (HDT4)	Duty Cycle (%):	93.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	16.95	-	-	-	16.95	30.00	-13.05
2440	16.94	-	-	-	16.94	30.00	-13.06
2476	16.73	-	-	-	16.73	30.00	-13.27

Table 124 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	16.95	-	-	-	16.95	30.00	-13.05	19.55	36.00	-16.45
2440	16.94	-	-	-	16.94	30.00	-13.06	19.54	36.00	-16.46
2476	16.73	-	-	-	16.73	30.00	-13.27	19.33	36.00	-16.67

Table 125 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	17.03	-	-	-	17.03	30.00	-12.97
2440	16.84	-	-	-	16.84	30.00	-13.16
2475	17.04	-	-	-	17.04	30.00	-12.96

Table 126 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	17.03	-	-	-	17.03	30.00	-12.97	19.63	36.00	-16.37
2440	16.84	-	-	-	16.84	30.00	-13.16	19.44	36.00	-16.56
2475	17.04	-	-	-	17.04	30.00	-12.96	19.64	36.00	-16.36

Table 127 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	19.17	-	-	19.17	30.00	-10.83
2441	-	19.21	-	-	19.21	30.00	-10.79
2480	-	19.06	-	-	19.06	30.00	-10.94

Table 128 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	-	19.17	-	-	19.17	30.00	-10.83	21.77	36.00	-14.23
2441	-	19.21	-	-	19.21	30.00	-10.79	21.81	36.00	-14.19
2480	-	19.06	-	-	19.06	30.00	-10.94	21.66	36.00	-14.34

Table 129 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	16.37	-	-	16.37	30.00	-13.63
2440	-	16.07	-	-	16.07	30.00	-13.93
2476	-	16.10	-	-	16.10	30.00	-13.90

Table 130 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	16.37	-	-	16.37	30.00	-13.63	18.97	36.00	-17.03
2440	-	16.07	-	-	16.07	30.00	-13.93	18.67	36.00	-17.33
2476	-	16.10	-	-	16.10	30.00	-13.90	18.70	36.00	-17.30

Table 131 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	18.43	-	-	18.43	30.00	-11.57
2440	-	18.42	-	-	18.42	30.00	-11.58
2480	-	18.59	-	-	18.59	30.00	-11.41

Table 132 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	-	18.43	-	-	18.43	30.00	-11.57	21.03	36.00	-14.97
2440	-	18.42	-	-	18.42	30.00	-11.58	21.02	36.00	-14.98
2480	-	18.59	-	-	18.59	30.00	-11.41	21.19	36.00	-14.81

Table 133 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8PSK (HDT4)	Duty Cycle (%):	93.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	16.94	-	-	16.94	30.00	-13.06
2440	-	16.90	-	-	16.90	30.00	-13.10
2476	-	16.87	-	-	16.87	30.00	-13.13

Table 134 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	16.94	-	-	16.94	30.00	-13.06	19.54	36.00	-16.46
2440	-	16.90	-	-	16.90	30.00	-13.10	19.50	36.00	-16.50
2476	-	16.87	-	-	16.87	30.00	-13.13	19.47	36.00	-16.53

Table 135 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 16QAM (HDRPM12)	Duty Cycle (%):	93.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.60

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	17.03	-	-	17.03	30.00	-12.97
2440	-	17.04	-	-	17.04	30.00	-12.96
2475	-	16.94	-	-	16.94	30.00	-13.06

Table 136 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	-	17.03	-	-	17.03	30.00	-12.97	19.63	36.00	-16.37
2440	-	17.04	-	-	17.04	30.00	-12.96	19.64	36.00	-16.36
2475	-	16.94	-	-	16.94	30.00	-13.06	19.54	36.00	-16.46

Table 137 - ISSED Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	8.97	8.70	-	-	11.85	30.00	-18.15
2441	8.73	8.74	-	-	11.75	30.00	-18.25
2476	8.86	8.91	-	-	11.90	30.00	-18.10

Table 138 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	8.97	8.70	-	-	11.85	30.00	-18.15	17.46	36.00	-18.54
2441	8.73	8.74	-	-	11.75	30.00	-18.25	17.36	36.00	-18.64
2476	8.86	8.91	-	-	11.90	30.00	-18.10	17.51	36.00	-18.49

Table 139 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.6
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	7.96	7.72	-	-	10.85	30.00	-19.15
2440	7.92	7.96	-	-	10.95	30.00	-19.05
2480	7.88	7.15	-	-	10.54	30.00	-19.46

Table 140 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	7.96	7.72	-	-	10.85	30.00	-19.15	16.46	36.00	-19.54
2440	7.92	7.96	-	-	10.95	30.00	-19.05	16.56	36.00	-19.44
2480	7.88	7.15	-	-	10.54	30.00	-19.46	16.15	36.00	-19.85

Table 141 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA GFSK (LELR125K)	Duty Cycle (%):	100.0
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	8.08	8.03	-	-	11.07	30.00	-18.93
2440	7.97	7.98	-	-	10.98	30.00	-19.02
2480	8.17	7.97	-	-	11.08	30.00	-18.92

Table 142 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	8.08	8.03	-	-	11.07	30.00	-18.93	16.68	36.00	-19.32
2440	7.97	7.98	-	-	10.98	30.00	-19.02	16.60	36.00	-19.40
2480	8.17	7.97	-	-	11.08	30.00	-18.92	16.69	36.00	-19.31

Table 143 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	92.9
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	9.44	9.13	-	-	12.30	30.00	-17.70
2440	9.23	9.20	-	-	12.23	30.00	-17.77
2476	9.19	9.31	-	-	12.26	30.00	-17.74

Table 144 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	9.44	9.13	-	-	12.30	30.00	-17.70	17.91	36.00	-18.09
2440	9.23	9.20	-	-	12.23	30.00	-17.77	17.84	36.00	-18.16
2476	9.19	9.31	-	-	12.26	30.00	-17.74	17.87	36.00	-18.13

Table 145 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.2
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	8.37	8.14	-	-	11.26	30.00	-18.74
2440	8.32	8.36	-	-	11.35	30.00	-18.65
2475	7.74	8.40	-	-	11.09	30.00	-18.91

Table 146 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	8.37	8.14	-	-	11.26	30.00	-18.74	16.87	36.00	-19.13
2440	8.32	8.36	-	-	11.35	30.00	-18.65	16.96	36.00	-19.04
2475	7.74	8.40	-	-	11.09	30.00	-18.91	16.70	36.00	-19.30

Table 147 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.8
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	16.22	16.28	-	-	19.26	30.00	-10.74
2441	16.29	16.25	-	-	19.28	30.00	-10.72
2480	16.42	16.38	-	-	19.41	30.00	-10.59

Table 148 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	16.22	16.28	-	-	19.26	30.00	-10.74	24.87	36.00	-11.13
2441	16.29	16.25	-	-	19.28	30.00	-10.72	24.89	36.00	-11.11
2480	16.42	16.38	-	-	19.41	30.00	-10.59	25.02	36.00	-10.98

Table 149 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	16.17	16.26	-	-	19.23	30.00	-10.77
2441	16.18	16.03	-	-	19.11	30.00	-10.89
2476	16.35	16.07	-	-	19.22	30.00	-10.78

Table 150 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	16.17	16.26	-	-	19.23	30.00	-10.77	24.84	36.00	-11.16
2441	16.18	16.03	-	-	19.11	30.00	-10.89	24.72	36.00	-11.28
2476	16.35	16.07	-	-	19.22	30.00	-10.78	24.83	36.00	-11.17

Table 151 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	84.6
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	18.37	18.62	-	-	21.51	30.00	-8.49
2440	18.37	18.28	-	-	21.34	30.00	-8.66
2480	18.33	18.13	-	-	21.24	30.00	-8.76

Table 152 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2402	18.37	18.62	-	-	21.51	30.00	-8.49	27.12	36.00	-8.88
2440	18.37	18.28	-	-	21.34	30.00	-8.66	26.95	36.00	-9.05
2480	18.33	18.13	-	-	21.24	30.00	-8.76	26.85	36.00	-9.15

Table 153 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA 8PSK (HDT4)	Duty Cycle (%):	93.4
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	16.88	16.91	-	-	19.90	30.00	-10.10
2440	17.12	16.82	-	-	19.98	30.00	-10.02
2476	16.86	16.40	-	-	19.65	30.00	-10.35

Table 154 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	16.88	16.91	-	-	19.90	30.00	-10.10	25.51	36.00	-10.49
2440	17.12	16.82	-	-	19.98	30.00	-10.02	25.59	36.00	-10.41
2476	16.86	16.40	-	-	19.65	30.00	-10.35	25.26	36.00	-10.74

Table 155 - ISD Maximum Conducted (peak) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	ePA 16QAM (HDRPM12)	Duty Cycle (%):	93.0
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	5.61

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	16.77	16.93	-	-	19.86	30.00	-10.14
2440	17.01	16.93	-	-	19.98	30.00	-10.02
2475	17.02	16.73	-	-	19.89	30.00	-10.11

Table 156 - FCC Maximum Conducted (peak) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2404	16.77	16.93	-	-	19.86	30.00	-10.14	25.47	36.00	-10.53
2440	17.01	16.93	-	-	19.98	30.00	-10.02	25.59	36.00	-10.41
2475	17.02	16.73	-	-	19.89	30.00	-10.11	25.50	36.00	-10.50

Table 157 - ISED Maximum Conducted (peak) Output Power Results

FCC 47 CFR Part 15, Limit Clause 15.247 (b)(3)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt.

ISED RSS-247, Limit Clause 6.3.2

For DTSS employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W, except as provided in section 6.5 a) and b).



2.3.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5921	12	29-Nov-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5922	12	29-Nov-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5923	12	29-Nov-2026
Modular Power System Mainframe	Keysight Technologies	N6701C	5969	-	O/P Mon
DC Power Module 60V 20A 300W	Keysight Technologies	N6754A	5970	-	O/P Mon
Humidity & Temperature meter	R.S Components	1364	6148	12	28-Aug-2026
MXA Signal Analyser	Keysight Technologies	N9020B	6417	24	14-Oct-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6522	12	29-Nov-2026
Digital Thermometer	R.S Components	RS 5511	6739	12	02-Mar-2027
Multimeter	Fluke	115	7115	12	13-Aug-2026

Table 158

O/P Mon - Output Monitored using calibrated equipment



2.4 Authorised Band Edges

2.4.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (d)
ISED RSS-247, Clause 6.6

2.4.2 Equipment Under Test and Modification State

A3590, S/N: JJRYT0H23C - Modification State 0
A3590, S/N: M77JGPPWWV - Modification State 0

2.4.3 Date of Test

07-April-2026 to 24-April-2026

2.4.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.10.4.

2.4.5 Environmental Conditions

Ambient Temperature	23.2 - 25.3 °C
Relative Humidity	31.5 - 42.1 %

2.4.6 Test Results

2.4 GHz Bluetooth - DTS

iPA - Core 0 (SISO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Static	2DH5	2402	2400	-51.92
Static	3DH5	2402	2400	-50.22
Static	HDR4	2404	2400	-56.77
Static	HDR8	2404	2400	-51.47
Static	LE1M	2402	2400	-53.80
Static	LE2M	2404	2400	-55.57
Static	HDT3	2404	2400	-27.57
Static	HDT4	2404	2400	-27.79
Static	HDT6	2404	2400	-26.93
Static	HDRPS2	2404	2400	-53.96
Static	HDRPM12	2404	2400	-44.81
Static	XHDRPM8	2404	2400	-45.55

Table 159 - SISO Authorised Band Edge Results

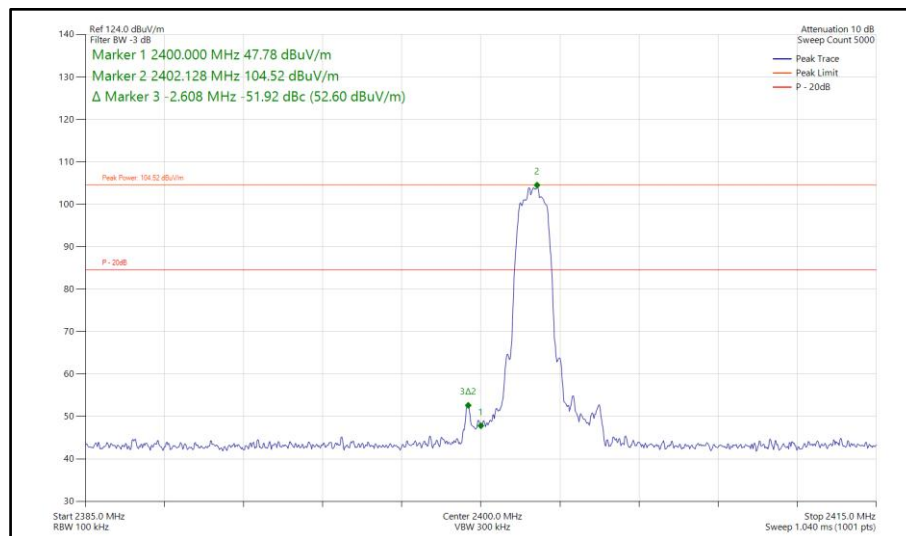


**Figure 439 - Bluetooth 2DH5, SISO, Core 0 - 2402 MHz
Band Edge Frequency 2400 MHz**