

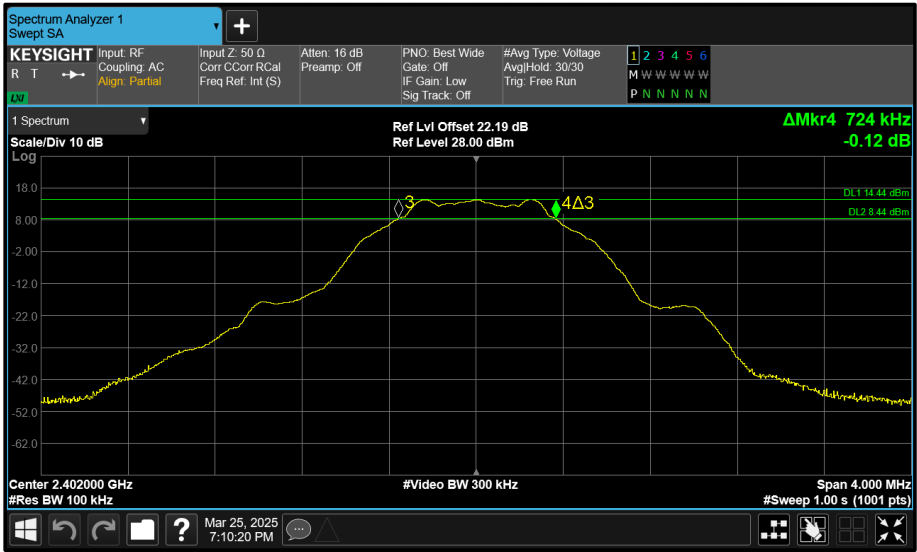


Figure 304 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

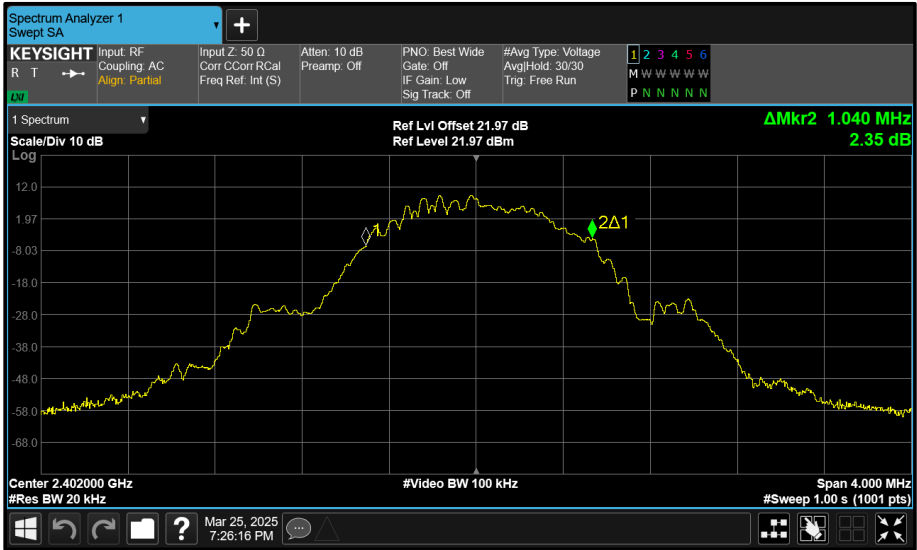


Figure 305 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

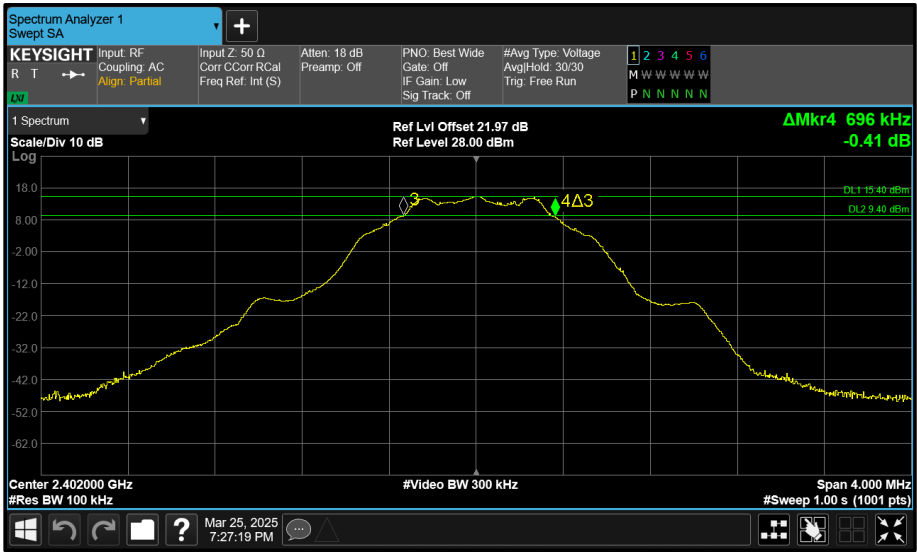


Figure 306 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

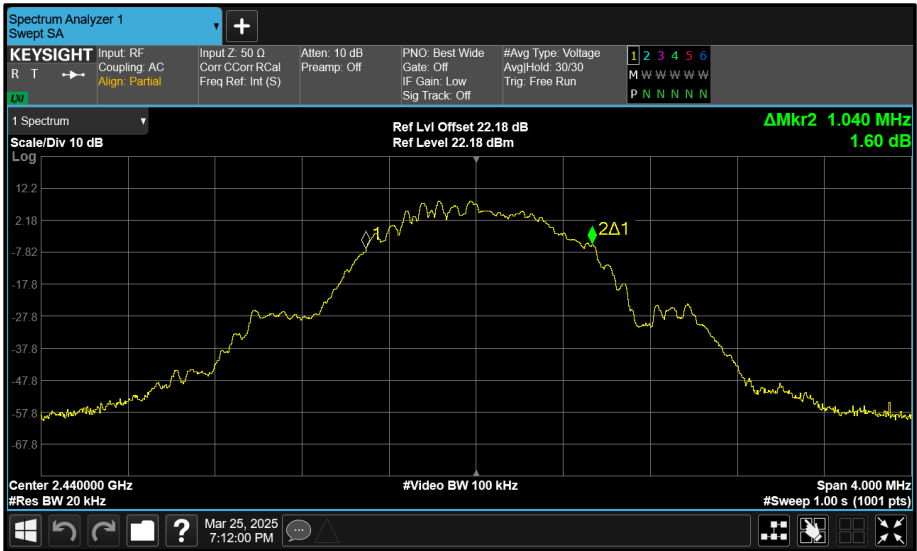


Figure 307 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

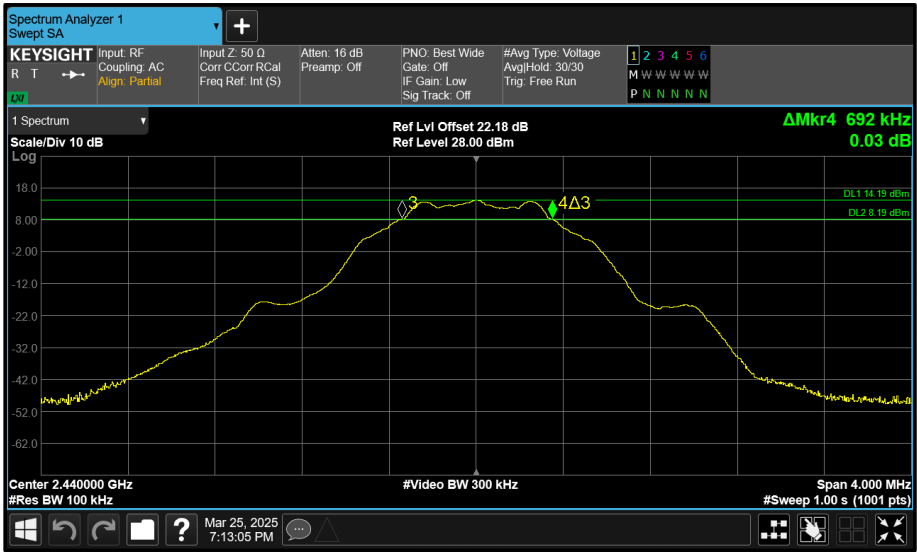


Figure 308 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

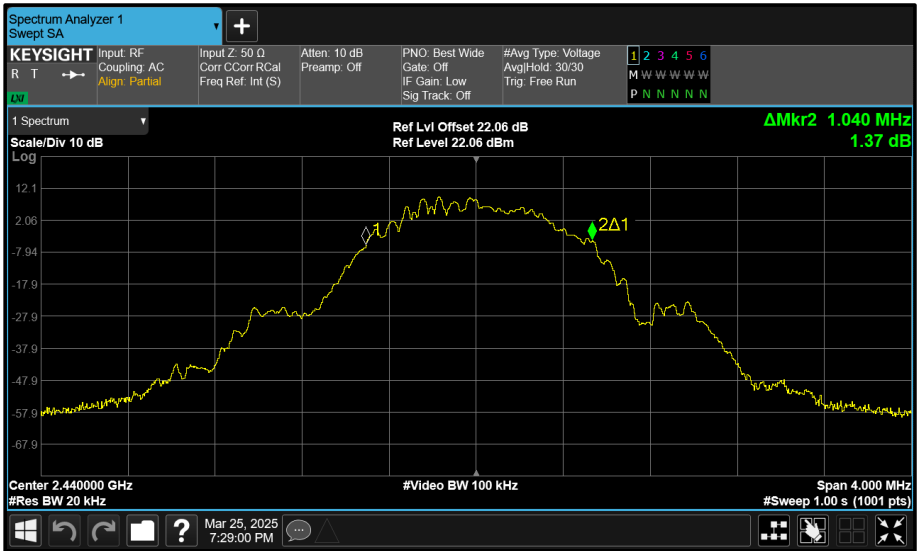


Figure 309 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth



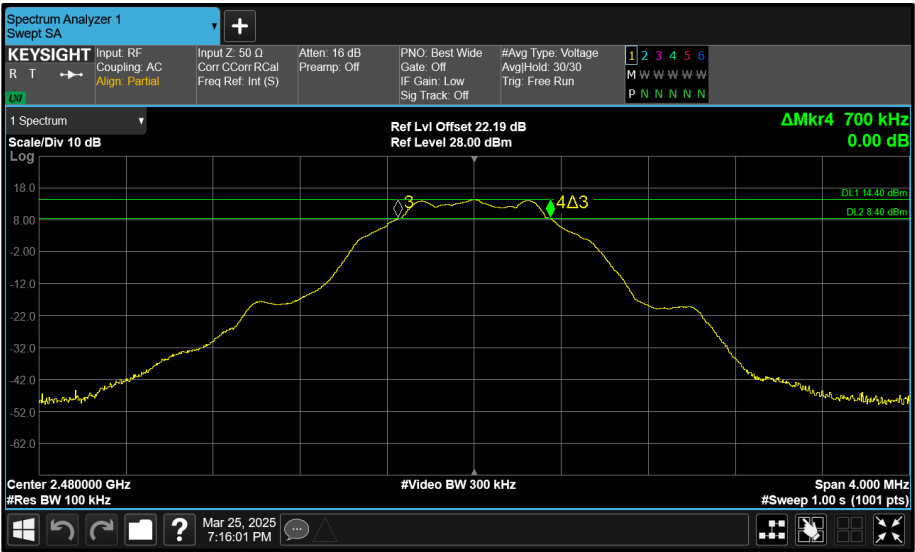


Figure 312 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

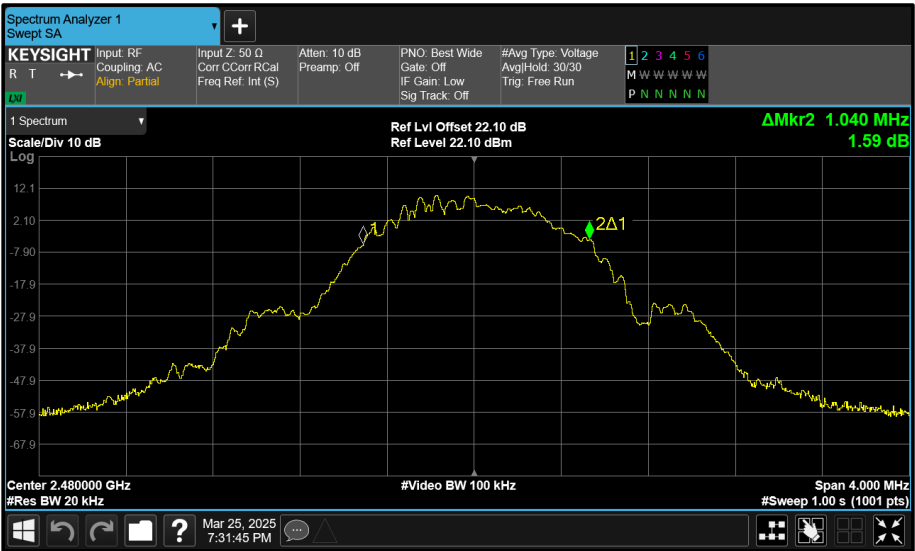


Figure 313 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

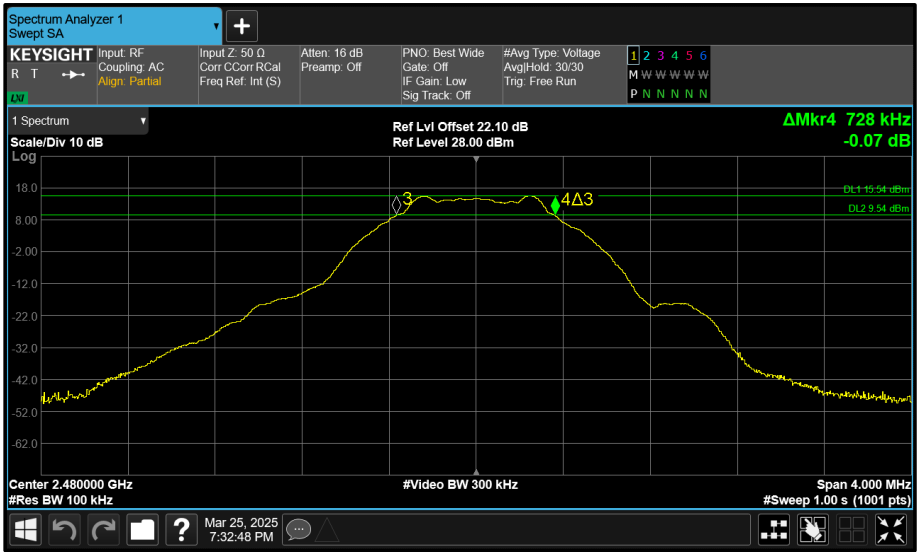


Figure 314 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	ePA GFSK (LE 2M)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.160	1.136	-	-	≥500.0
2440	1.168	1.272	-	-	≥500.0
2480	1.168	1.400	-	-	≥500.0

Table 71 - 6 dB Bandwidth Results

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

Table 72 - 99% Bandwidth Results

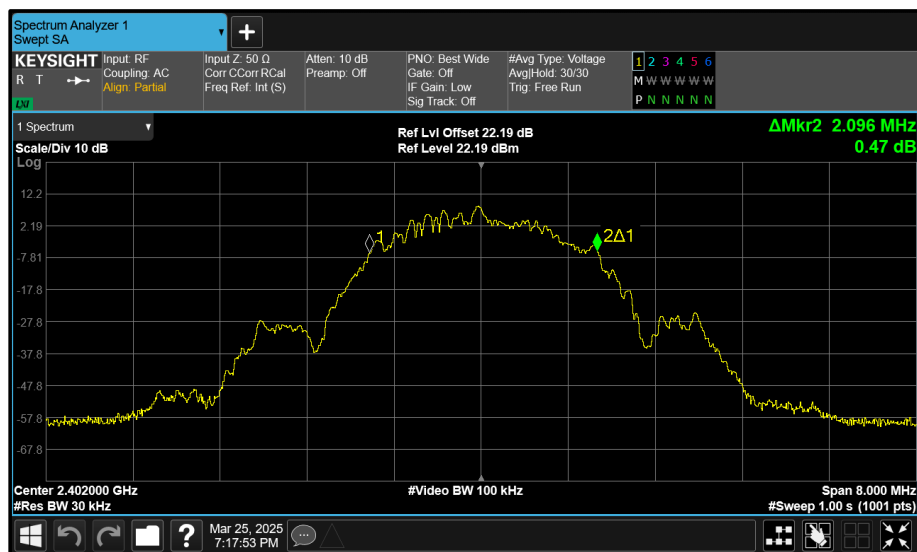


Figure 315 - Core 0 (A) 2402 MHz (CH37) 99% Bandwidth

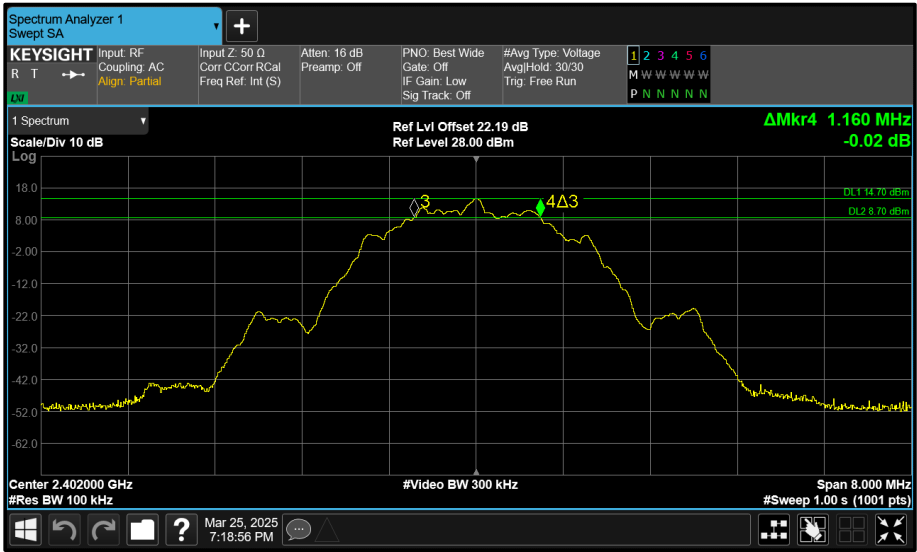


Figure 316 - Core 0 (A) 2402 MHz (CH37) 6 dB Bandwidth

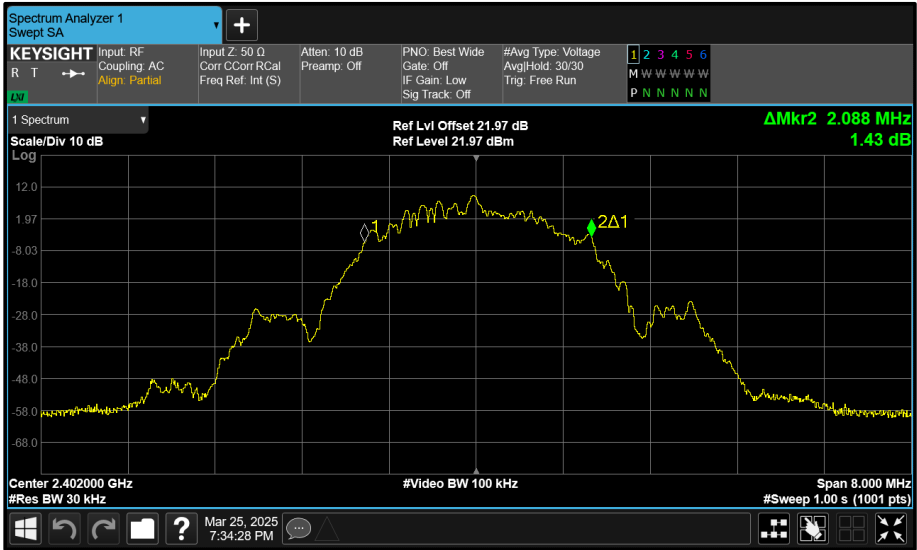


Figure 317 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

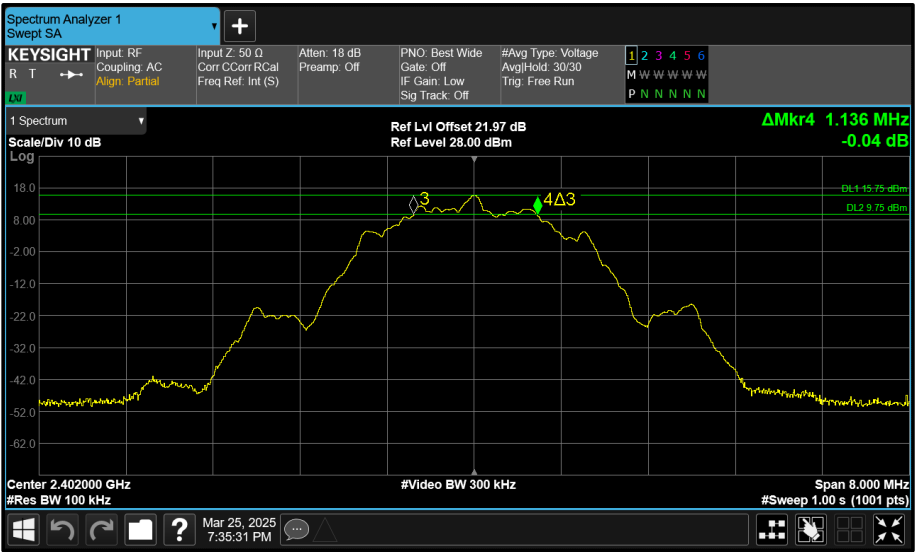


Figure 318 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth

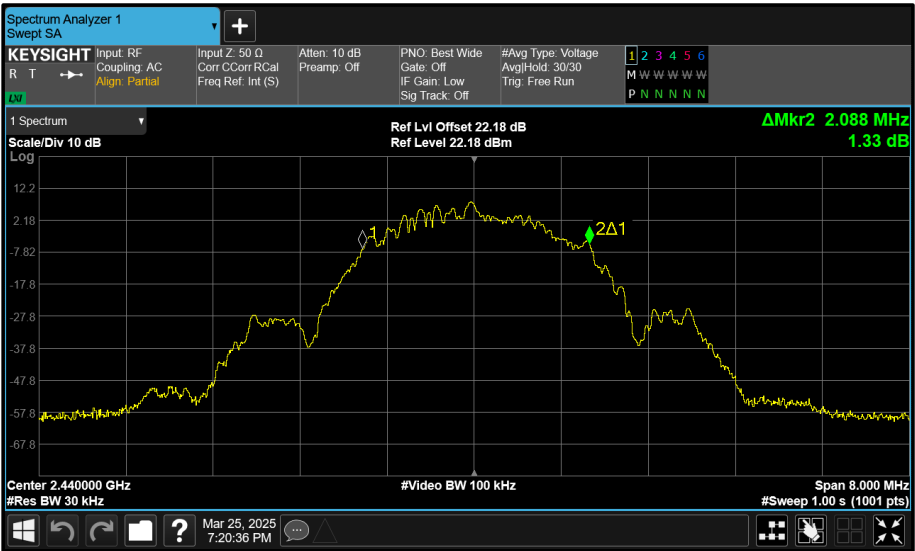


Figure 319 - Core 0 (A) 2440 MHz (CH17) 99% Bandwidth

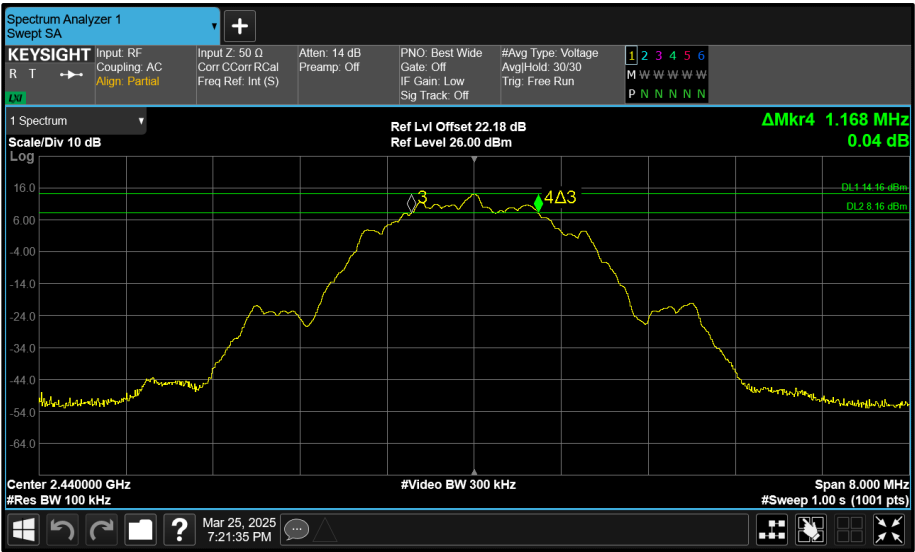


Figure 320 - Core 0 (A) 2440 MHz (CH17) 6 dB Bandwidth

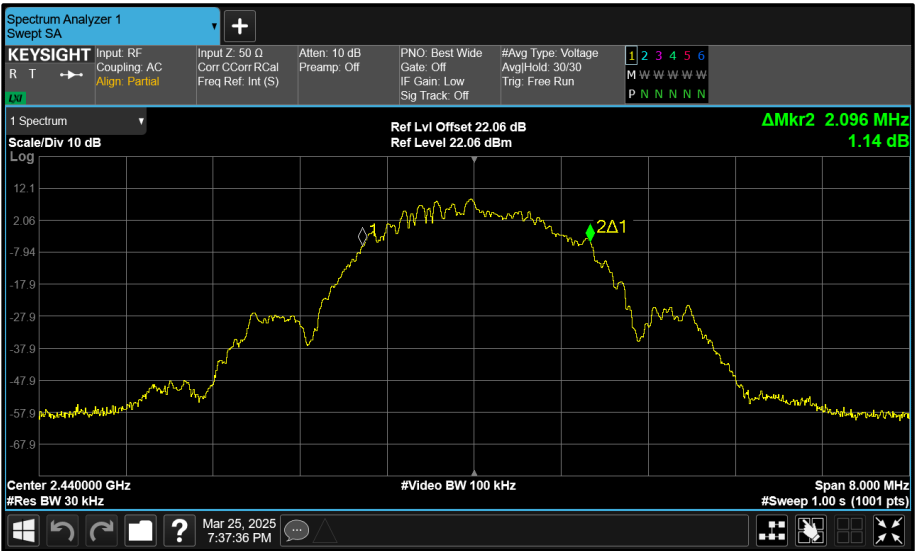


Figure 321 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

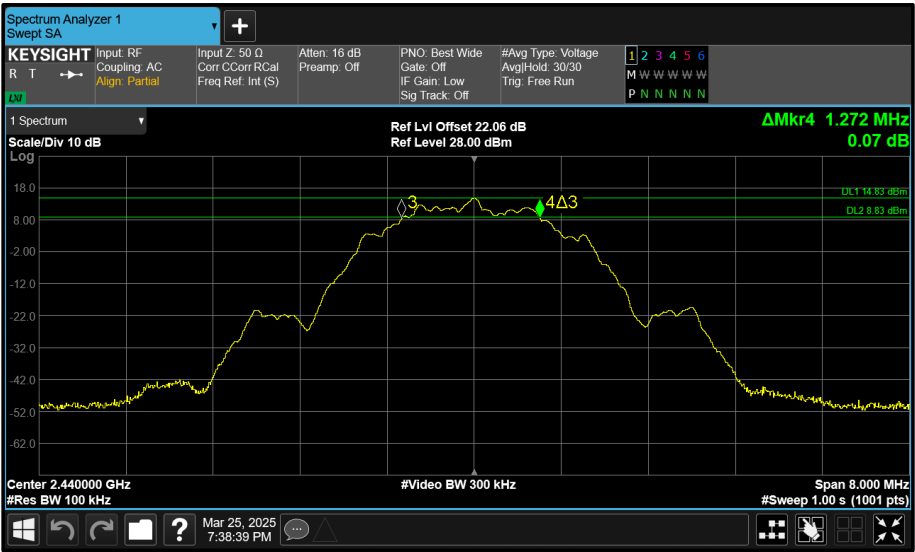


Figure 322 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

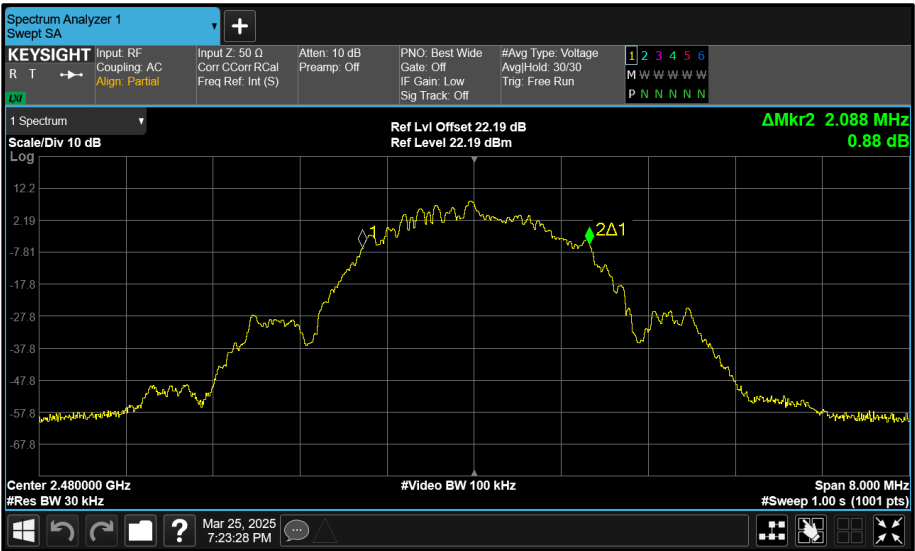


Figure 323 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

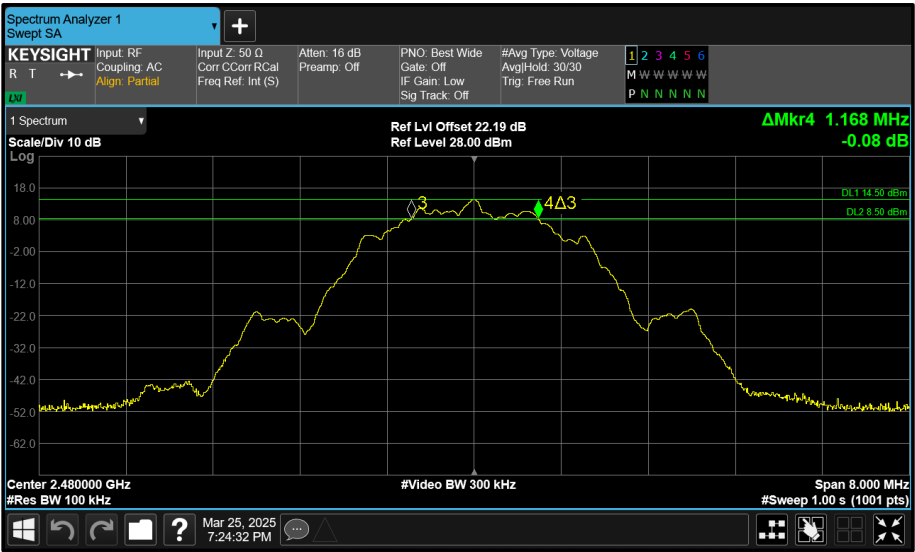


Figure 324 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

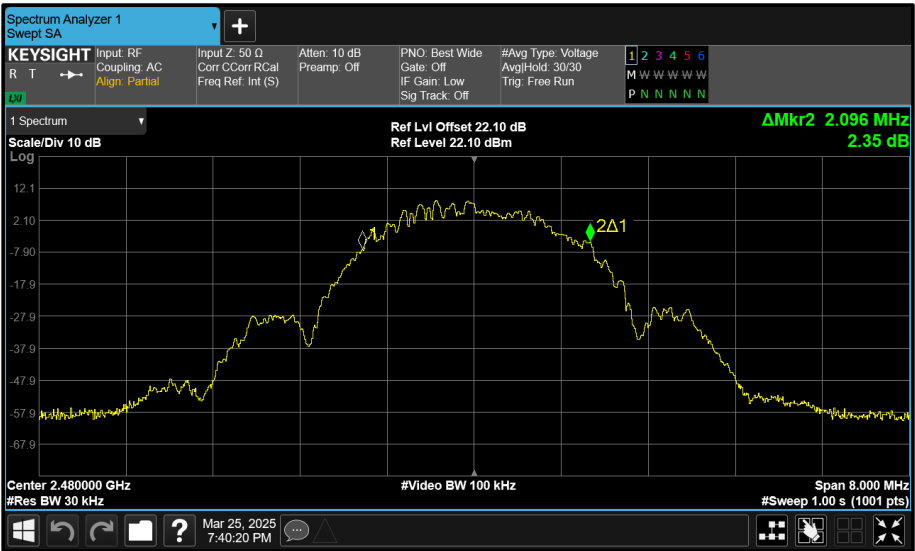


Figure 325 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

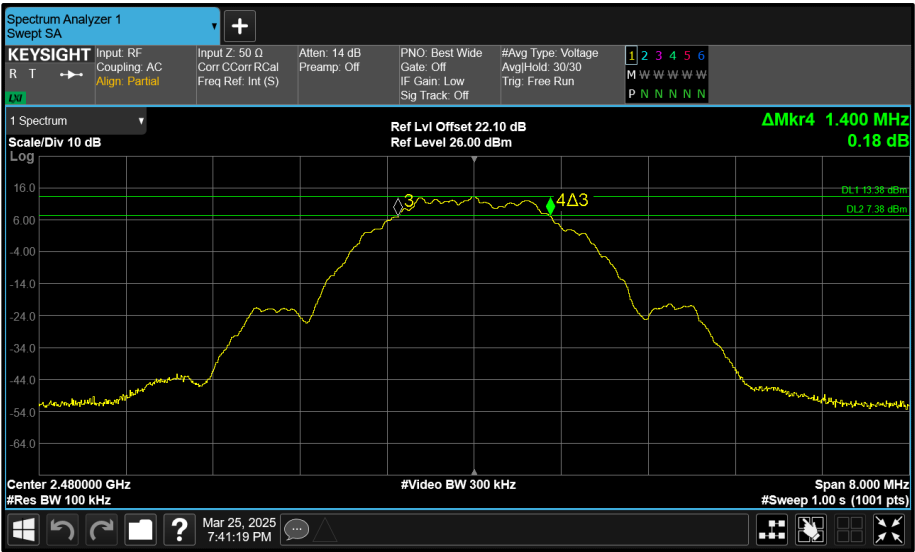


Figure 326 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth



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 $\pi/4$ 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	1.060	1.056	-	-	≥ 500.0
2441	1.064	1.060	-	-	≥ 500.0
2480	1.064	1.052	-	-	≥ 500.0

Table 73 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.184	1.184	-	-	-
2441	1.184	1.184	-	-	-
2480	1.180	1.184	-	-	-

Table 74 - 99% Bandwidth Results

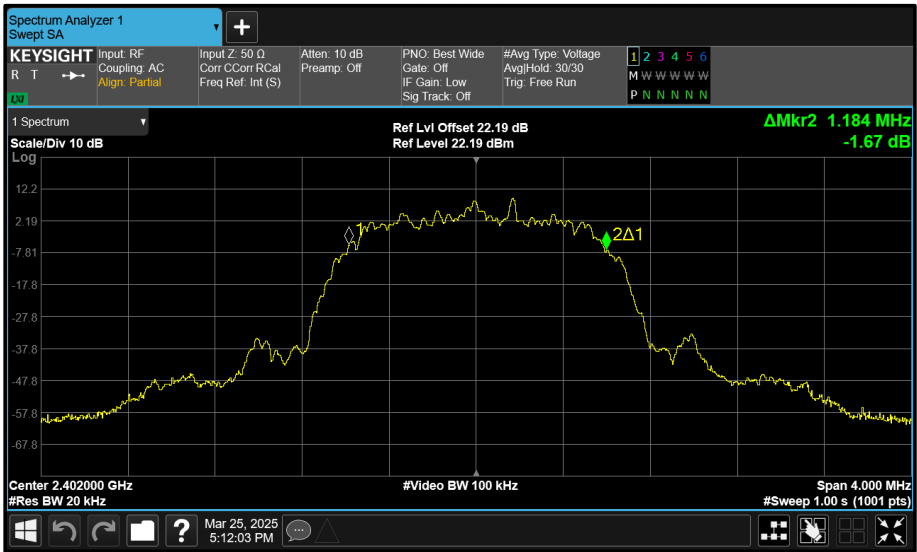


Figure 327 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth

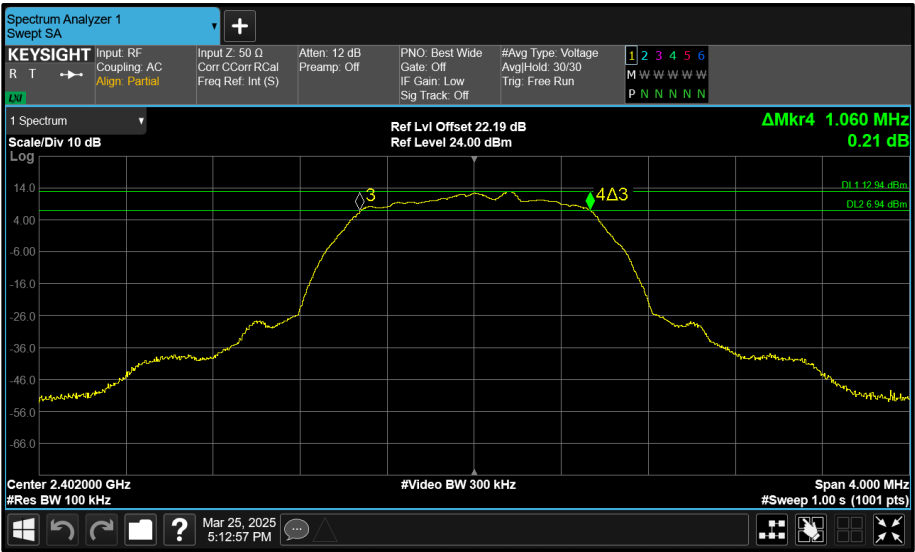


Figure 328 - Core 0 (A) 2402 MHz (CH0) 6 dB Bandwidth

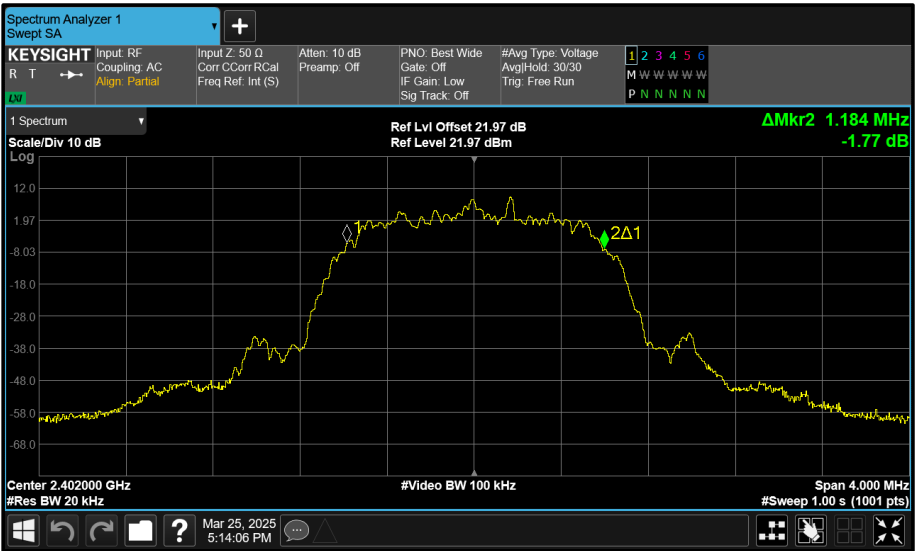


Figure 329 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth

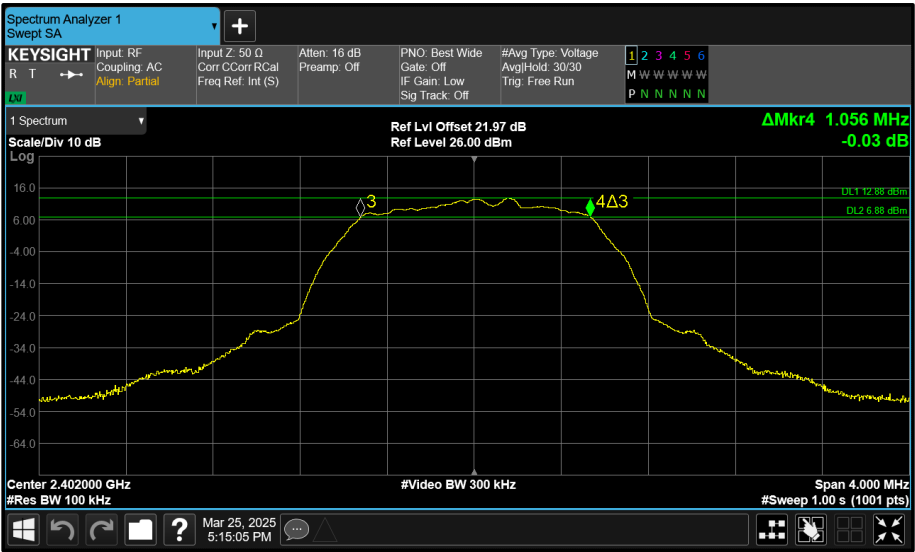


Figure 330 - Core 1 (B) 2402 MHz (CH0) 6 dB Bandwidth

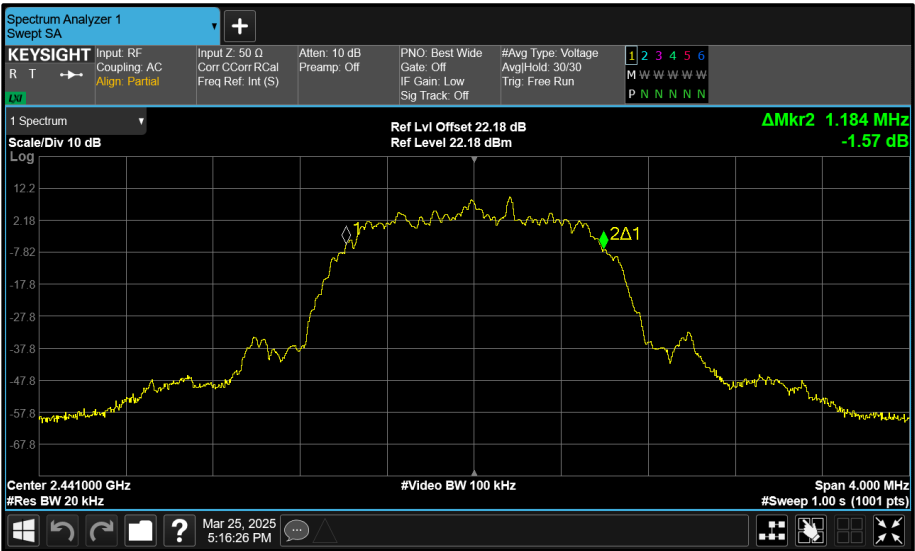


Figure 331 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

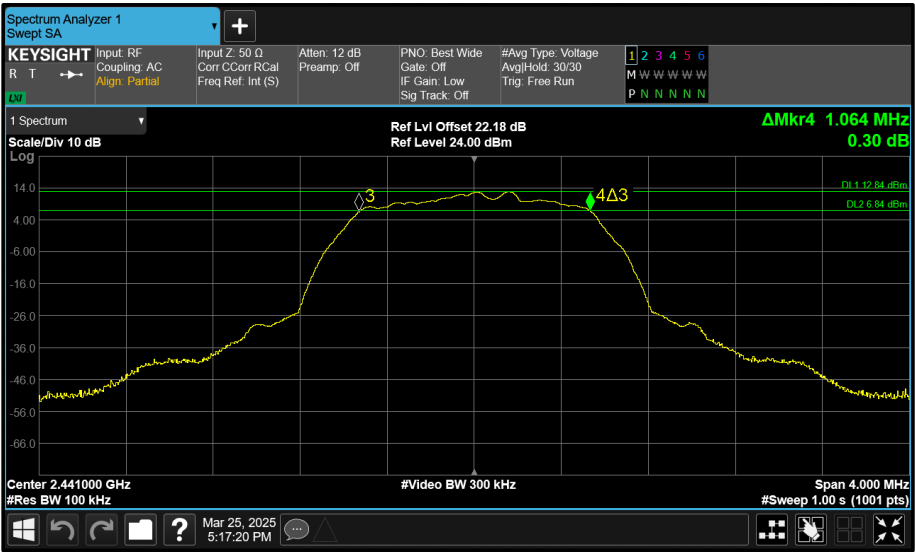


Figure 332 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

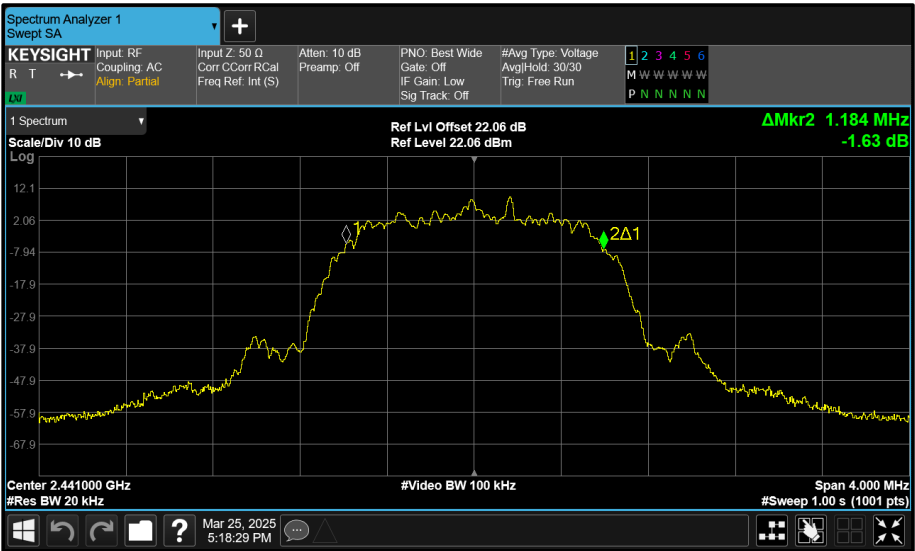


Figure 333 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

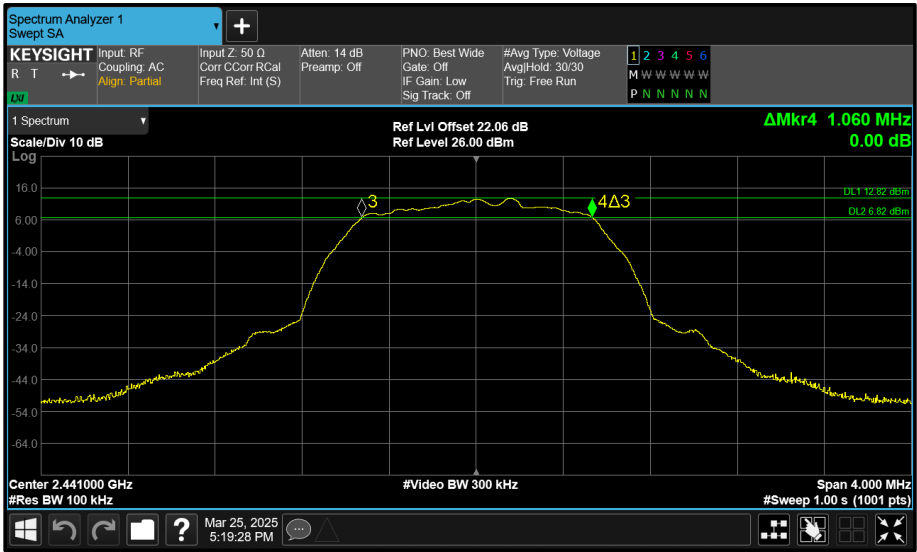


Figure 334 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

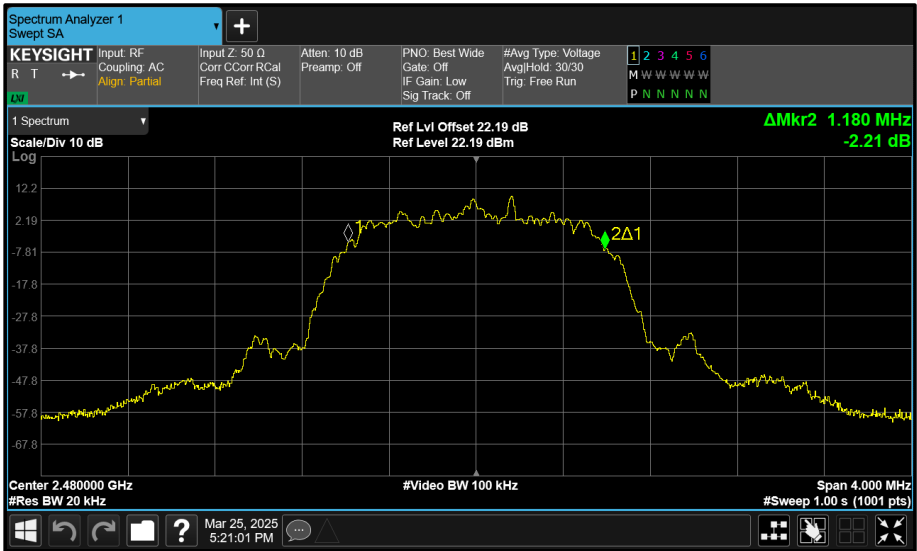


Figure 335 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

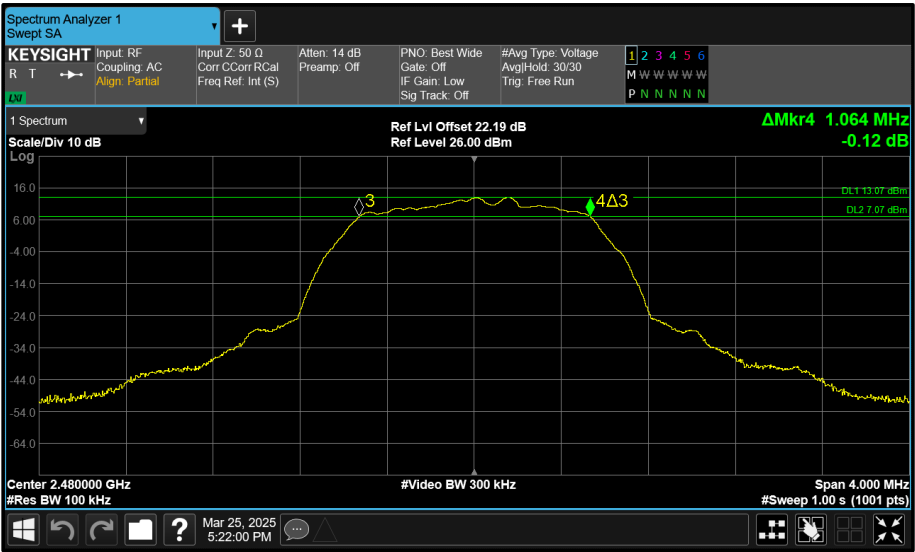


Figure 336 - Core 0 (A) 2480 MHz (CH78) 6 dB Bandwidth

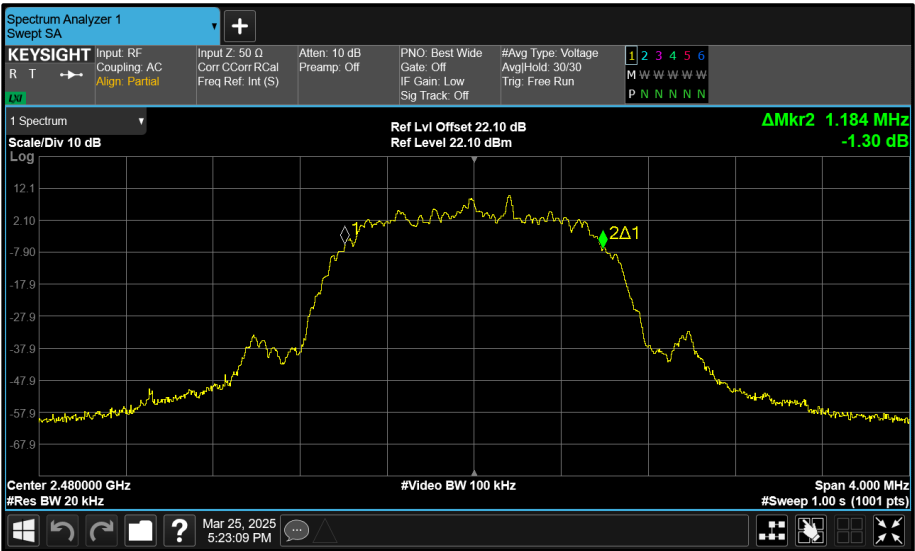


Figure 337 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth





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 11.8.1
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8-DPSK (3-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCC (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2402	1.060	1.036	-	-	≥500.0
2441	1.060	1.060	-	-	≥500.0
2480	1.064	1.060	-	-	≥500.0

Table 75 - 6 dB Bandwidth Results

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

Table 76 - 99% Bandwidth Results

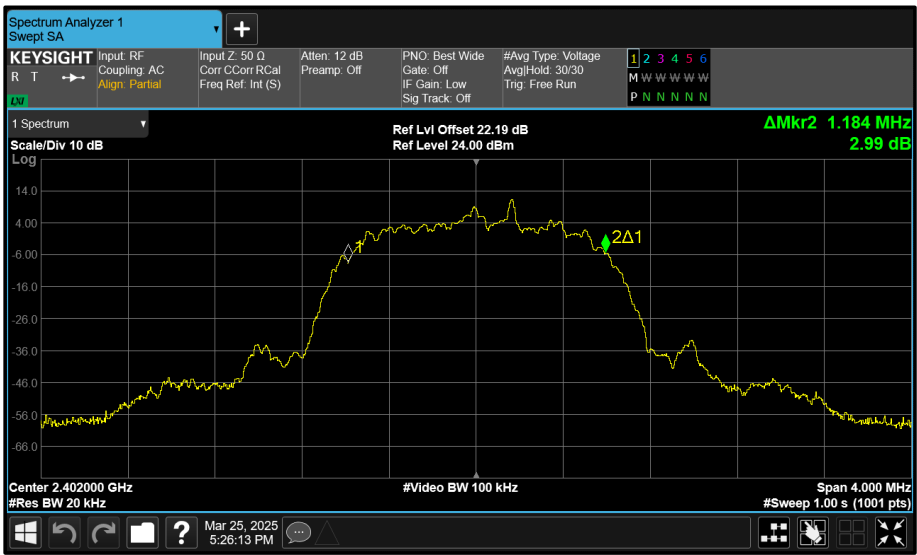
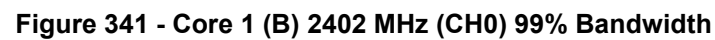


Figure 339 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth



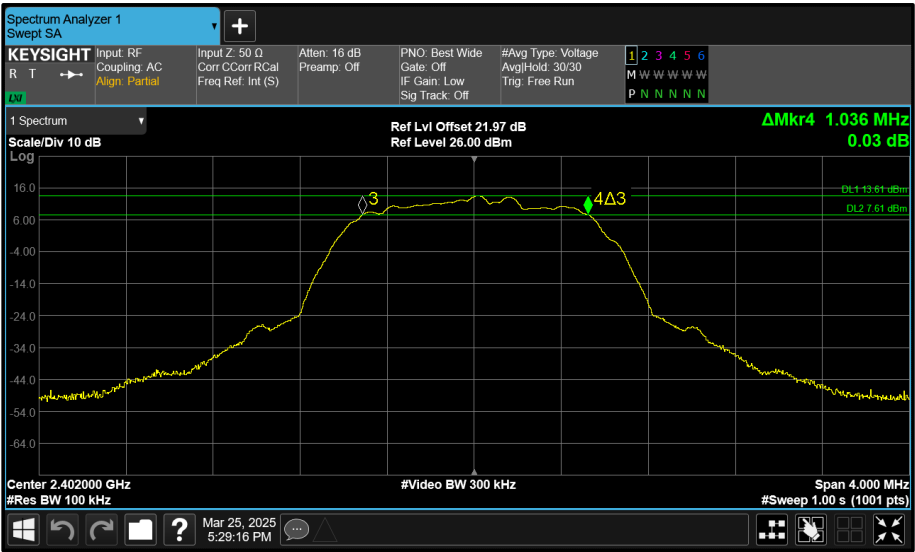


Figure 342 - Core 1 (B) 2402 MHz (CH0) 6 dB Bandwidth

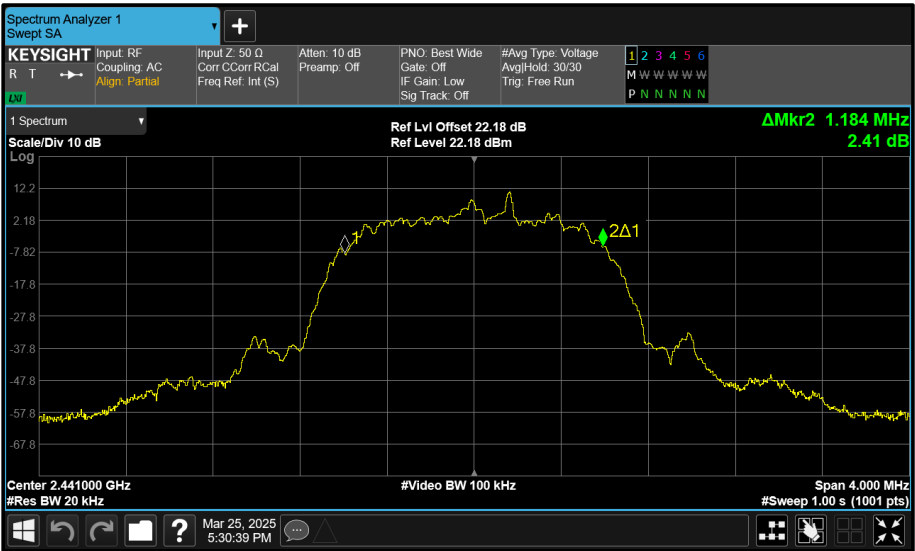


Figure 343 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

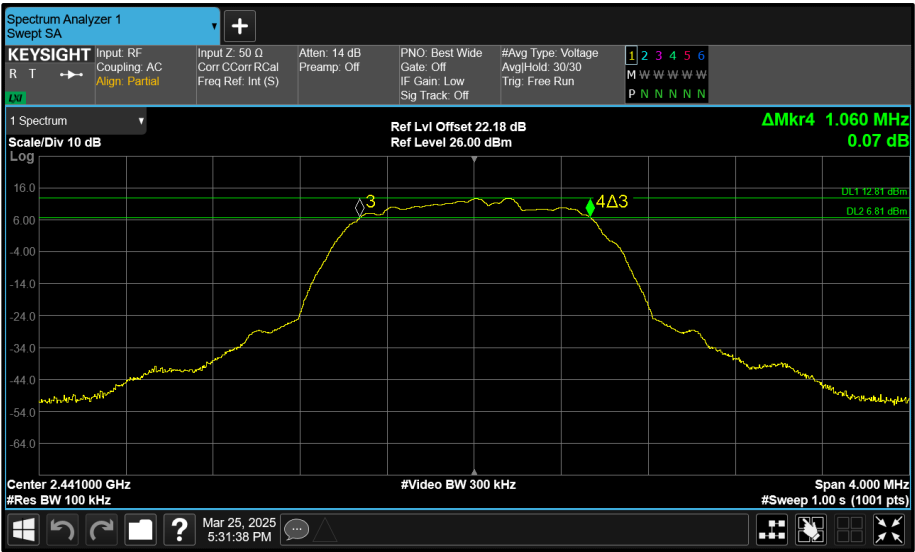


Figure 344 - Core 0 (A) 2441 MHz (CH39) 6 dB Bandwidth

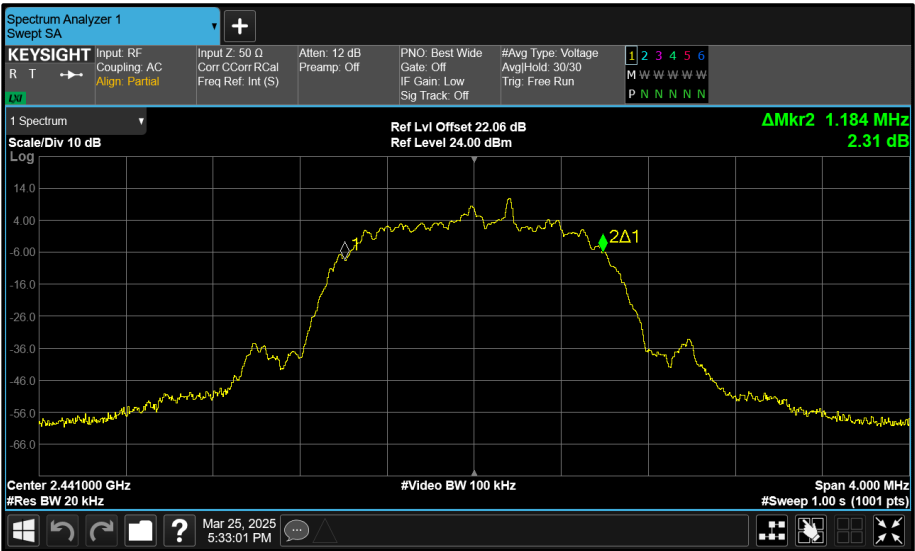


Figure 345 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

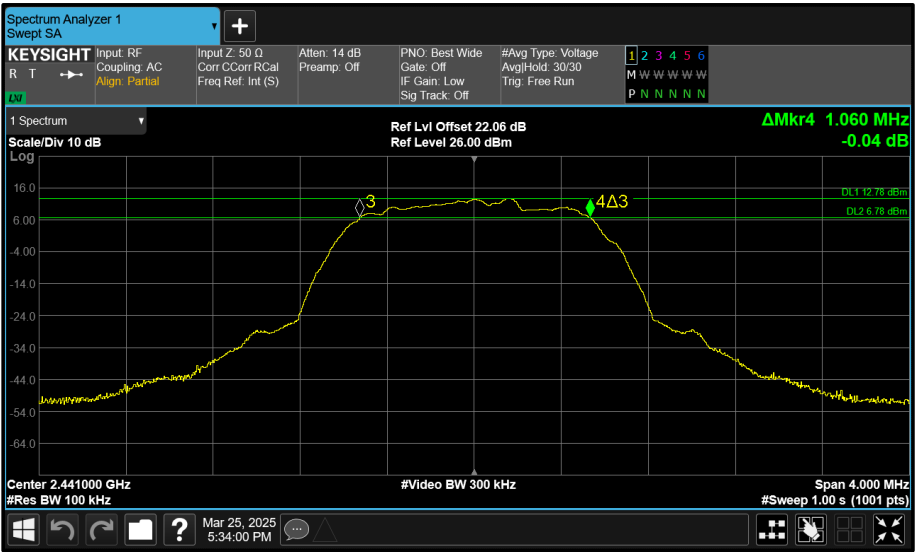


Figure 346 - Core 1 (B) 2441 MHz (CH39) 6 dB Bandwidth

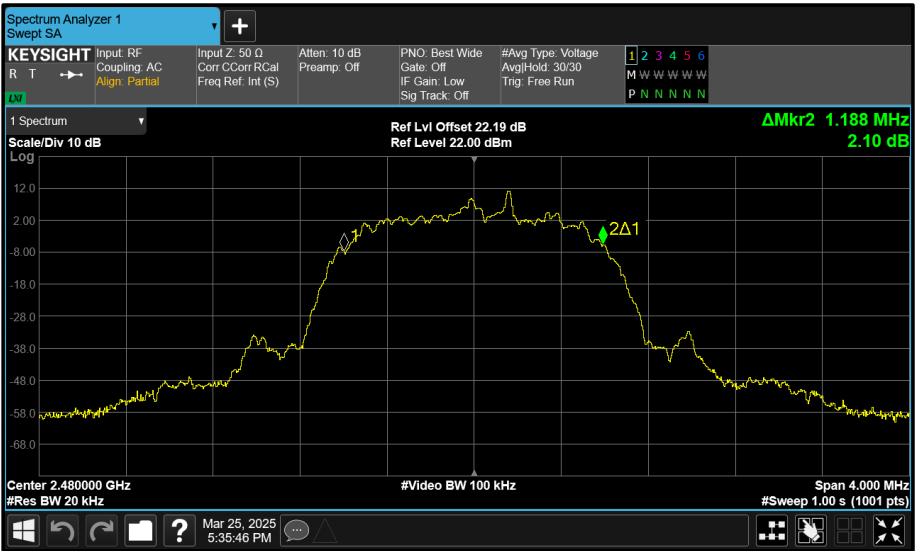


Figure 347 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

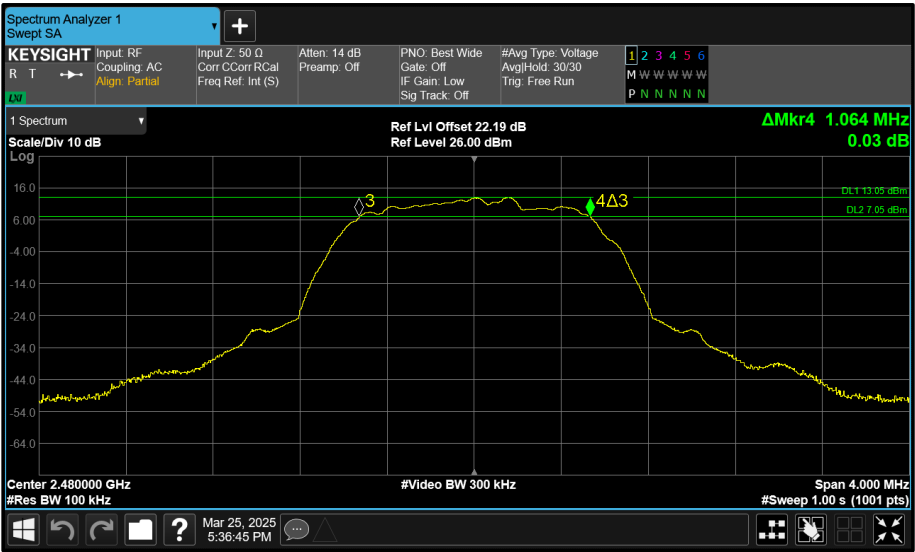


Figure 348 - Core 0 (A) 2480 MHz (CH78) 6 dB Bandwidth

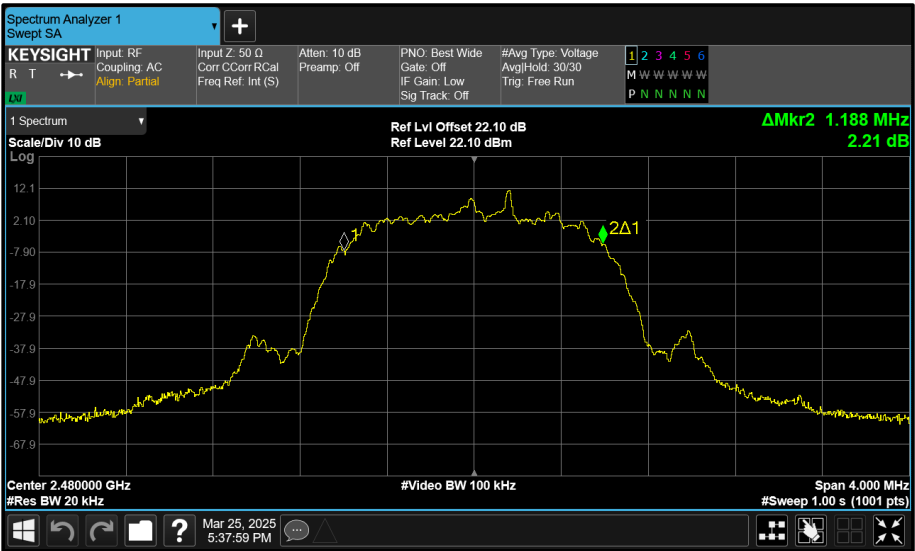


Figure 349 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth



The minimum 6 dB Bandwidth shall be at least 500 kHz.



2.2.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 18 and RF Laboratory 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
AC Programmable Power Supply	iTech	IT7324	5225	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5529	24	02-Jan-2027
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5919	24	31-Mar-2028
Digital Multimeter	Fluke	115	6147	12	06-Jun-2025*
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6426	12	12-Feb-2026
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	18-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	18-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	18-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6522	12	18-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6752	12	12-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6753	12	12-Feb-2026
SCU Cable Assembly SCU	TUV SUD	SPECTRUM_SCU_CA	6754	0	12-Feb-2026
Handheld Hygrometer	Fluke	971	6838	12	27-Aug-2025

Table 77

O/P Mon - Output Monitored using calibrated equipment

*Equipment was only employed during its calibration period



2.3 Maximum Conducted Output Power

2.3.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (b)
ISED RSS-247, Clause 5.4
ISED RSS-GEN, Clause 6.12

2.3.2 Equipment Under Test and Modification State

A3434, S/N: C9T757F3CV - Modification State 0

2.3.3 Date of Test

25-March-2025 to 17-June-2025

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. Directional Gain was calculated in accordance with clause F)2)f)(ii) using the calculations from F)2)f)(i) with worst-case individual gain and an array gain of zero.

2.3.5 Environmental Conditions

Ambient Temperature	21.5 - 22.3 °C
Relative Humidity	32.6 - 40.5 %



2.3.6 Test Results

2.4 GHz Bluetooth LE/HDR/EDR

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	9.47	-	-	-	-	30.00	-20.53
2441	9.49	-	-	-	-	30.00	-20.51
2476	9.26	-	-	-	-	30.00	-20.74

Table 78 - 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	9.47	-	-	-	-	30.00	-20.53	14.72	36.00	-21.28
2441	9.49	-	-	-	-	30.00	-20.51	14.74	36.00	-21.26
2476	9.26	-	-	-	-	30.00	-20.74	14.51	36.00	-21.49

Table 79 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.2
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	9.90	-	-	-	-	30.00	-20.10
2441	9.43	-	-	-	-	30.00	-20.57
2476	9.78	-	-	-	-	30.00	-20.22

Table 80 - 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	9.90	-	-	-	-	30.00	-20.10	15.15	36.00	-20.85
2441	9.43	-	-	-	-	30.00	-20.57	14.68	36.00	-21.32
2476	9.78	-	-	-	-	30.00	-20.22	15.03	36.00	-20.97

Table 81 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.41

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	-	9.25	-	-	30.00	-20.75
2441	-	-	9.21	-	-	30.00	-20.79
2476	-	-	9.46	-	-	30.00	-20.54

Table 82 - 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	-	-	9.25	-	-	30.00	-20.75	14.66	36.00	-21.34
2441	-	-	9.21	-	-	30.00	-20.79	14.62	36.00	-21.38
2476	-	-	9.46	-	-	30.00	-20.54	14.87	36.00	-21.13

Table 83 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.5
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.41

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	-	-	9.33	-	-	30.00	-20.67
2441	-	-	9.39	-	-	30.00	-20.61
2476	-	-	9.69	-	-	30.00	-20.31

Table 84 - 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	-	-	9.33	-	-	30.00	-20.67	14.74	36.00	-21.26
2441	-	-	9.39	-	-	30.00	-20.61	14.80	36.00	-21.20
2476	-	-	9.69	-	-	30.00	-20.31	15.10	36.00	-20.90

Table 85 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	60.5
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	8.21	-	-	-	-	30.00	-21.79
2440	8.92	-	-	-	-	30.00	-21.08
2480	8.30	-	-	-	-	30.00	-21.70

Table 86 - 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	8.21	-	-	-	-	30.00	-21.79	13.46	36.00	-22.54
2440	8.92	-	-	-	-	30.00	-21.08	14.17	36.00	-21.83
2480	8.30	-	-	-	-	30.00	-21.70	13.55	36.00	-22.45

Table 87 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 2M)	Duty Cycle (%):	31.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	8.21	-	-	-	-	30.00	-21.79
2440	8.40	-	-	-	-	30.00	-21.60
2480	8.45	-	-	-	-	30.00	-21.55

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					
2402	8.21	-	-	-	-	30.00	-21.79	13.46	36.00	-22.54
2440	8.40	-	-	-	-	30.00	-21.60	13.65	36.00	-22.35
2480	8.45	-	-	-	-	30.00	-21.55	13.70	36.00	-22.30

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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	60.5
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.41

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	-	8.06	-	-	30.00	-21.94
2440	-	-	7.85	-	-	30.00	-22.15
2480	-	-	7.88	-	-	30.00	-22.12

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	-	-	8.06	-	-	30.00	-21.94	13.47	36.00	-22.53
2440	-	-	7.85	-	-	30.00	-22.15	13.26	36.00	-22.74
2480	-	-	7.88	-	-	30.00	-22.12	13.29	36.00	-22.71

Table 91 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 2M)	Duty Cycle (%):	31.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.41

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	-	8.40	-	-	30.00	-21.60
2440	-	-	8.19	-	-	30.00	-21.81
2480	-	-	8.18	-	-	30.00	-21.82

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	-	-	8.40	-	-	30.00	-21.60	13.81	36.00	-22.19
2440	-	-	8.19	-	-	30.00	-21.81	13.60	36.00	-22.40
2480	-	-	8.18	-	-	30.00	-21.82	13.59	36.00	-22.41

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



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(1) RSS-247 5.4 b)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	12.00	-	-	-	-	30.00	-18.00
2441	12.03	-	-	-	-	30.00	-17.97
2480	11.92	-	-	-	-	30.00	-18.08

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					
2402	12.00	-	-	-	-	30.00	-18.00	17.25	36.00	-18.75
2441	12.03	-	-	-	-	30.00	-17.97	17.28	36.00	-18.72
2480	11.92	-	-	-	-	30.00	-18.08	17.17	36.00	-18.83

Table 95 - 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)(1) RSS-247 5.4 b)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.41

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	-	12.01	-	-	30.00	-17.99
2441	-	-	11.63	-	-	30.00	-18.37
2480	-	-	11.85	-	-	30.00	-18.15

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					
2402	-	-	12.01	-	-	30.00	-17.99	17.42	36.00	-18.58
2441	-	-	11.63	-	-	30.00	-18.37	17.04	36.00	-18.96
2480	-	-	11.85	-	-	30.00	-18.15	17.26	36.00	-18.74

Table 97 - 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)(1) RSS-247 5.4 b)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8-DPSK (3-DH5)	Duty Cycle (%):	77.2
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	12.41	-	-	-	-	30.00	-17.59
2441	12.28	-	-	-	-	30.00	-17.72
2480	12.32	-	-	-	-	30.00	-17.68

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					
2402	12.41	-	-	-	-	30.00	-17.59	17.66	36.00	-18.34
2441	12.28	-	-	-	-	30.00	-17.72	17.53	36.00	-18.47
2480	12.32	-	-	-	-	30.00	-17.68	17.57	36.00	-18.43

Table 99 - 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)(1) RSS-247 5.4 b)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8-DPSK (3-DH5)	Duty Cycle (%):	77.2
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.41

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	-	12.13	-	-	30.00	-17.87
2441	-	-	12.04	-	-	30.00	-17.96
2480	-	-	12.27	-	-	30.00	-17.73

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	-	-	12.13	-	-	30.00	-17.87	17.54	36.00	-18.46
2441	-	-	12.04	-	-	30.00	-17.96	17.45	36.00	-18.55
2480	-	-	12.27	-	-	30.00	-17.73	17.68	36.00	-18.32

Table 101 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (4-DH5)	Duty Cycle (%):	78.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	17.49	-	-	-	-	30.00	-12.51
2441	17.16	-	-	-	-	30.00	-12.84
2476	17.60	-	-	-	-	30.00	-12.40

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					
2404	17.49	-	-	-	-	30.00	-12.51	22.74	36.00	-13.26
2441	17.16	-	-	-	-	30.00	-12.84	22.41	36.00	-13.59
2476	17.60	-	-	-	-	30.00	-12.40	22.85	36.00	-13.15

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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.2
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	15.85	-	-	-	-	30.00	-14.15
2441	15.99	-	-	-	-	30.00	-14.01
2476	16.01	-	-	-	-	30.00	-13.99

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	15.85	-	-	-	-	30.00	-14.15	21.10	36.00	-14.90
2441	15.99	-	-	-	-	30.00	-14.01	21.24	36.00	-14.76
2476	16.01	-	-	-	-	30.00	-13.99	21.26	36.00	-14.74

Table 105 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	60.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	4.30

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	17.38	-	-	-	30.00	-12.62
2440	-	16.22	-	-	-	30.00	-13.78
2480	-	16.34	-	-	-	30.00	-13.66

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					
2402	-	17.38	-	-	-	30.00	-12.62	21.68	36.00	-14.32
2440	-	16.22	-	-	-	30.00	-13.78	20.52	36.00	-15.48
2480	-	16.34	-	-	-	30.00	-13.66	20.64	36.00	-15.36

Table 107 - ISCED 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 2M)	Duty Cycle (%):	31.4
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	4.30

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	-	16.76	-	-	-	30.00	-13.24
2440	-	16.71	-	-	-	30.00	-13.29
2480	-	16.15	-	-	-	30.00	-13.85

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	-	16.76	-	-	-	30.00	-13.24	21.06	36.00	-14.94
2440	-	16.71	-	-	-	30.00	-13.29	21.01	36.00	-14.99
2480	-	16.15	-	-	-	30.00	-13.85	20.45	36.00	-15.55

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)(1) RSS-247 5.4 b)	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):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	18.91	-	-	-	-	30.00	-11.09
2441	19.02	-	-	-	-	30.00	-10.98
2480	18.91	-	-	-	-	30.00	-11.09

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					
2402	18.91	-	-	-	-	30.00	-11.09	24.16	36.00	-11.84
2441	19.02	-	-	-	-	30.00	-10.98	24.27	36.00	-11.73
2480	18.91	-	-	-	-	30.00	-11.09	24.16	36.00	-11.84

Table 111 - 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)(1) RSS-247 5.4 b)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8-DPSK (3-DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.25

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	19.59	-	-	-	-	30.00	-10.41
2441	19.55	-	-	-	-	30.00	-10.45
2480	19.51	-	-	-	-	30.00	-10.49

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	19.59	-	-	-	-	30.00	-10.41	24.84	36.00	-11.16
2441	19.55	-	-	-	-	30.00	-10.45	24.80	36.00	-11.20
2480	19.51	-	-	-	-	30.00	-10.49	24.76	36.00	-11.24

Table 113 - 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 5.4 d)	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 (4-DH5)	Duty Cycle (%):	78.1
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	9.42	9.38	-	-	12.41	28.20	-15.79
2441	9.46	9.22	-	-	12.35	28.20	-15.85
2476	9.40	9.25	-	-	12.34	28.20	-15.87

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	9.42	9.38	-	-	12.41	30.00	-17.59	20.21	36.00	-15.79
2441	9.46	9.22	-	-	12.35	30.00	-17.65	20.15	36.00	-15.85
2476	9.40	9.25	-	-	12.34	30.00	-17.66	20.13	36.00	-15.87

Table 115 - 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 5.4 d)	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 (%):	78.2
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	9.44	8.93	-	-	12.20	28.20	-16.00
2441	9.32	8.97	-	-	12.16	28.20	-16.04
2476	9.47	9.79	-	-	12.64	28.20	-15.56

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	9.44	8.93	-	-	12.20	30.00	-17.80	20.00	36.00	-16.00
2441	9.32	8.97	-	-	12.16	30.00	-17.84	19.96	36.00	-16.04
2476	9.47	9.79	-	-	12.64	30.00	-17.36	20.44	36.00	-15.56

Table 117 - 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 5.4 d)	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 (%):	60.5
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	8.11	8.63	-	-	11.39	28.20	-16.81
2440	8.34	8.48	-	-	11.42	28.20	-16.78
2480	8.34	8.00	-	-	11.18	28.20	-17.02

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	8.11	8.63	-	-	11.39	30.00	-18.61	19.19	36.00	-16.81
2440	8.34	8.48	-	-	11.42	30.00	-18.58	19.22	36.00	-16.78
2480	8.34	8.00	-	-	11.18	30.00	-18.82	18.98	36.00	-17.02

Table 119 - 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 5.4 d)	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 2M)	Duty Cycle (%):	31.3
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	8.31	8.76	-	-	11.55	28.20	-16.65
2440	8.45	8.57	-	-	11.52	28.20	-16.68
2480	8.39	8.00	-	-	11.21	28.20	-16.99

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					
2402	8.31	8.76	-	-	11.55	30.00	-18.45	19.35	36.00	-16.65
2440	8.45	8.57	-	-	11.52	30.00	-18.48	19.32	36.00	-16.68
2480	8.39	8.00	-	-	11.21	30.00	-18.79	19.01	36.00	-16.99

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)(1) RSS-247 5.4 b)	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 (2-DH5)	Duty Cycle (%):	77.1
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	11.91	11.80	-	-	14.87	28.20	-13.33
2441	12.01	11.58	-	-	14.81	28.20	-13.39
2480	11.84	11.50	-	-	14.68	28.20	-13.52

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	11.91	11.80	-	-	14.87	30.00	-15.13	22.67	36.00	-13.33
2441	12.01	11.58	-	-	14.81	30.00	-15.19	22.61	36.00	-13.39
2480	11.84	11.50	-	-	14.68	30.00	-15.32	22.48	36.00	-13.52

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)(1) RSS-247 5.4 b)	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 8-DPSK (3-DH5)	Duty Cycle (%):	77.2
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	12.46	12.17	-	-	15.33	28.20	-12.87
2441	12.45	11.94	-	-	15.21	28.20	-12.99
2480	12.35	11.85	-	-	15.12	28.20	-13.08

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					
2402	12.46	12.17	-	-	15.33	30.00	-14.67	23.12	36.00	-12.87
2441	12.45	11.94	-	-	15.21	30.00	-14.79	23.01	36.00	-12.99
2480	12.35	11.85	-	-	15.12	30.00	-14.88	22.92	36.00	-13.08

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 5.4 d)	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 (4-DH5)	Duty Cycle (%):	78.2
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	17.33	17.11	-	-	20.23	28.20	-7.97
2441	17.18	17.64	-	-	20.42	28.20	-7.78
2476	17.16	17.43	-	-	20.31	28.20	-7.89

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	17.33	17.11	-	-	20.23	30.00	-9.77	28.03	36.00	-7.97
2441	17.18	17.64	-	-	20.42	30.00	-9.58	28.22	36.00	-7.78
2476	17.16	17.43	-	-	20.31	30.00	-9.69	28.11	36.00	-7.89

Table 127 - 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 5.4 d)	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 (%):	78.2
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2404	15.74	15.73	-	-	18.75	28.20	-9.46
2441	16.20	16.17	-	-	19.20	28.20	-9.00
2476	15.99	15.56	-	-	18.79	28.20	-9.41

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					
2404	15.74	15.73	-	-	18.75	30.00	-11.25	26.54	36.00	-9.46
2441	16.20	16.17	-	-	19.20	30.00	-10.80	27.00	36.00	-9.00
2476	15.99	15.56	-	-	18.79	30.00	-11.21	26.59	36.00	-9.41

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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	60.6
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	15.95	16.87	-	-	19.44	28.20	-8.76
2440	15.49	16.14	-	-	18.84	28.20	-9.36
2480	15.88	16.25	-	-	19.08	28.20	-9.12

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					
2402	15.95	16.87	-	-	19.44	30.00	-10.56	27.24	36.00	-8.76
2440	15.49	16.14	-	-	18.84	30.00	-11.16	26.64	36.00	-9.36
2480	15.88	16.25	-	-	19.08	30.00	-10.92	26.88	36.00	-9.12

Table 131 - 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 5.4 d)	Test Method(s):	C63.10 11.9.1.2
Additional Reference(s):	-		
Note(s):	TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test		

DUT Configuration			
Mode:	ePA GFSK (LE 2M)	Duty Cycle (%):	31.4
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	16.17	17.22	-	-	19.74	28.20	-8.46
2440	15.72	16.48	-	-	19.13	28.20	-9.07
2480	16.11	16.61	-	-	19.38	28.20	-8.82

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	16.17	17.22	-	-	19.74	30.00	-10.26	27.54	36.00	-8.46
2440	15.72	16.48	-	-	19.13	30.00	-10.87	26.93	36.00	-9.07
2480	16.11	16.61	-	-	19.38	30.00	-10.62	27.18	36.00	-8.82

Table 133 - 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)(1) RSS-247 5.4 b)	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 (%):	77.2
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	16.21	16.09	-	-	19.16	28.20	-9.04
2441	15.87	16.12	-	-	19.00	28.20	-9.20
2480	16.00	16.06	-	-	19.04	28.20	-9.16

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					
2402	16.21	16.09	-	-	19.16	30.00	-10.84	26.96	36.00	-9.04
2441	15.87	16.12	-	-	19.00	30.00	-11.00	26.80	36.00	-9.20
2480	16.00	16.06	-	-	19.04	30.00	-10.96	26.84	36.00	-9.16

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)(1) RSS-247 5.4 b)	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 8-DPSK (3-DH5)	Duty Cycle (%):	76.9
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	7.80

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2402	16.38	16.74	-	-	19.57	28.20	-8.63
2441	16.46	16.70	-	-	19.59	28.20	-8.61
2480	16.71	16.22	-	-	19.48	28.20	-8.72

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					
2402	16.38	16.74	-	-	19.57	30.00	-10.43	27.37	36.00	-8.63
2441	16.46	16.70	-	-	19.59	30.00	-10.41	27.39	36.00	-8.61
2480	16.71	16.22	-	-	19.48	30.00	-10.52	27.28	36.00	-8.72

Table 137 - ISD 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 5.4 (d)

For DTSSs 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 5.4(e) of the specification.

2.3.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Hygrometer	Rotronic	I-1000	3068	12	19-Nov-2025
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5919	24	31-Mar-2028
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5921	12	17-Feb-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5922	12	17-Feb-2026
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025*
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6518	12	23-Feb-2026
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	18-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	18-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	18-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6529	12	13-Mar-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6530	12	23-Feb-2026
USB Wideband Power Sensor	Boonton	RTP5008	6587	12	23-Feb-2026
USB Wideband Power Sensor	Boonton	RTP5008	6588	12	23-Feb-2026
AC Programmable Power Supply	iTech	IT7324	6662	-	O/P Mon

Table 138

O/P Mon - Output Monitored using calibrated equipment

*Equipment was only employed during its calibration period



2.4 Authorised Band Edges

2.4.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (d)
ISED RSS-247, Clause 5.5

2.4.2 Equipment Under Test and Modification State

A3434, S/N: J6MG2JN301 - Modification State 0

2.4.3 Date of Test

13-February-2025 to 14-February-2025

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	22.1 - 23.5 °C
Relative Humidity	26.7 % - 49.9 %

2.4.6 Test Results

2.4 GHz Bluetooth LE/HDR/EDR

iPA - Core 0 (SISO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Static	HDR4	2404	2400	-54.90
Static	HDR8	2404	2400	-46.79
Static	LE1M	2402	2400	-63.39
Static	LE2M	2402	2400	-34.62
Static	2DH5	2402	2400	-58.82
Static	3DH5	2402	2400	-59.44

Table 139 - SISO Authorised Band Edge Results

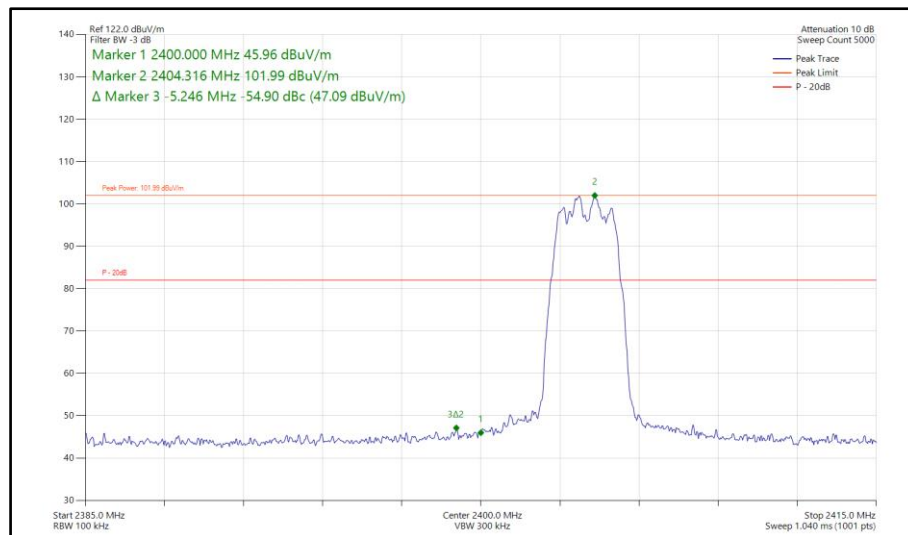


**Figure 351 - Bluetooth HDR4, SISO, Core 0 - 2404 MHz
Band Edge Frequency 2400 MHz**

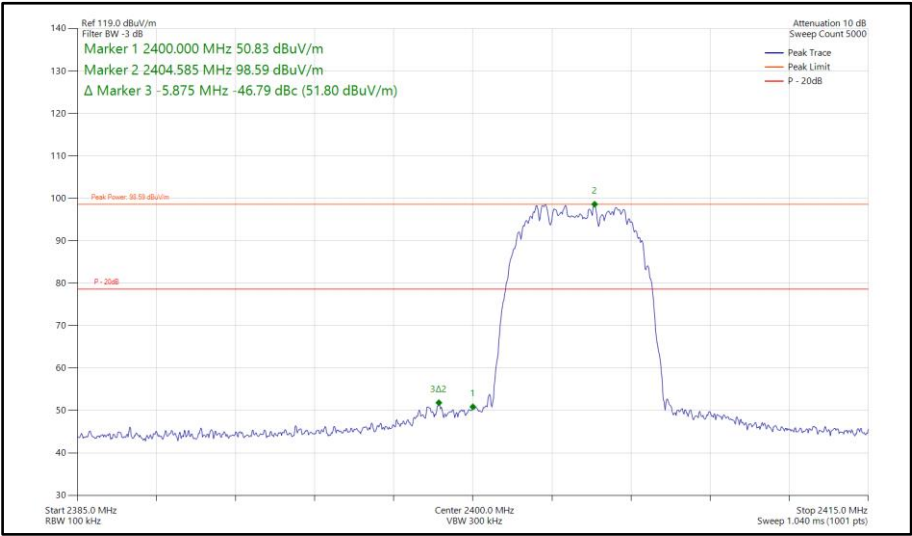


Figure 352 - Bluetooth HDR8, SISO, Core 0 - 2404 MHz
Band Edge Frequency 2400 MHz

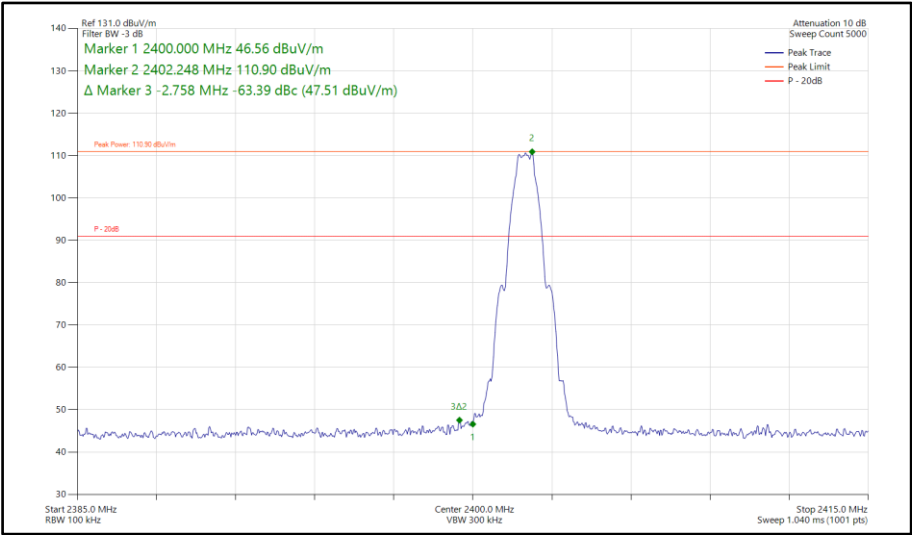
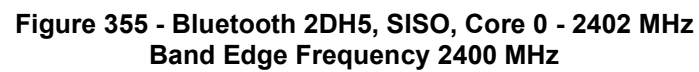


Figure 353 - Bluetooth LE1M, SISO, Core 0 - 2402 MHz
Band Edge Frequency 2400 MHz





iPA - Core 1 (SISO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Static	HDR4	2404	2400	-54.19
Static	HDR8	2404	2400	-47.68
Static	LE1M	2402	2400	-61.78
Static	LE2M	2402	2400	-35.04
Static	2DH5	2402	2400	-52.09
Static	3DH5	2402	2400	-51.02

Table 140 - SISO Authorised Band Edge Results

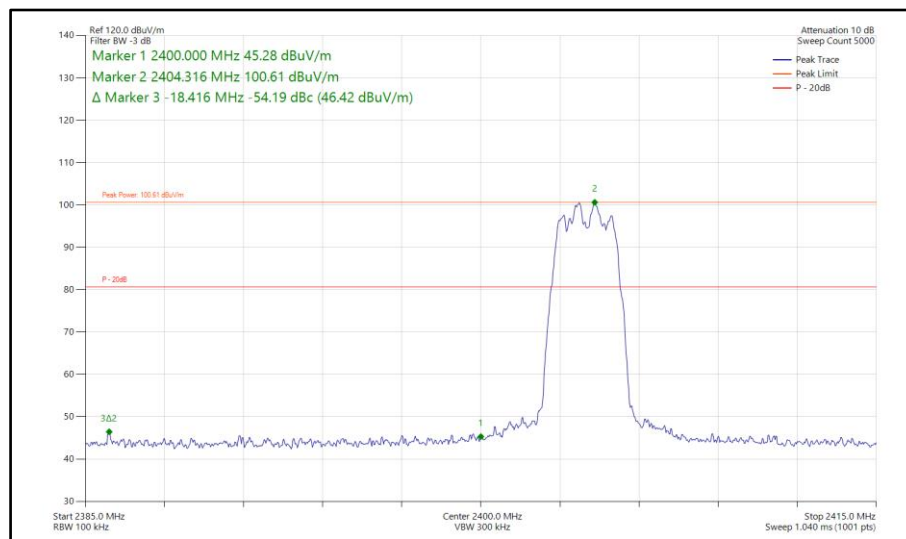


Figure 357 - Bluetooth HDR4, SISO, Core 1 - 2404 MHz
Band Edge Frequency 2400 MHz

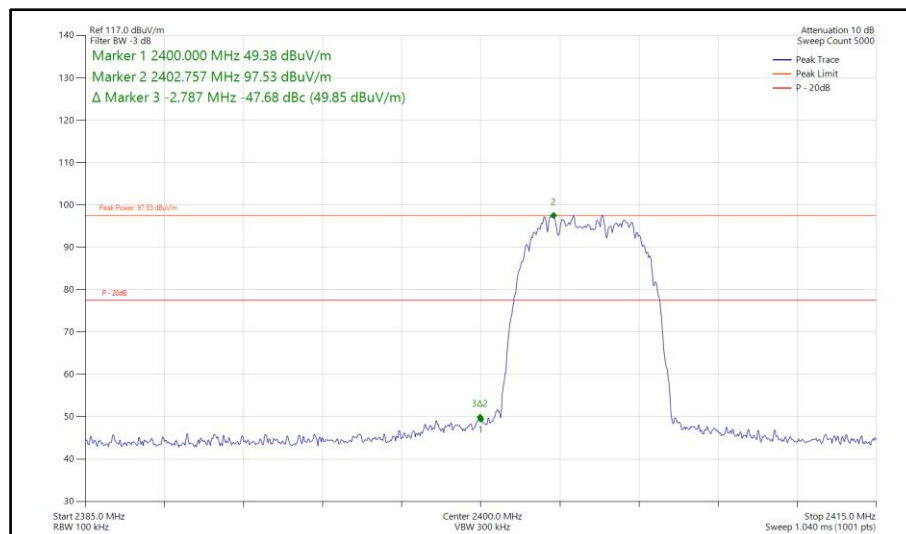


Figure 358 - Bluetooth HDR8, SISO, Core 1 - 2404 MHz
Band Edge Frequency 2400 MHz



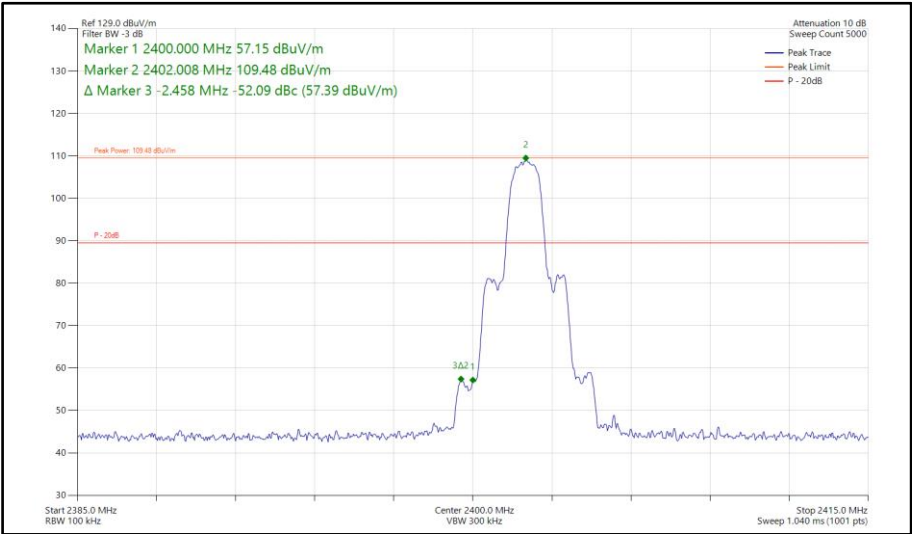


Figure 361 - Bluetooth 2DH5, SISO, Core 1 - 2402 MHz
Band Edge Frequency 2400 MHz

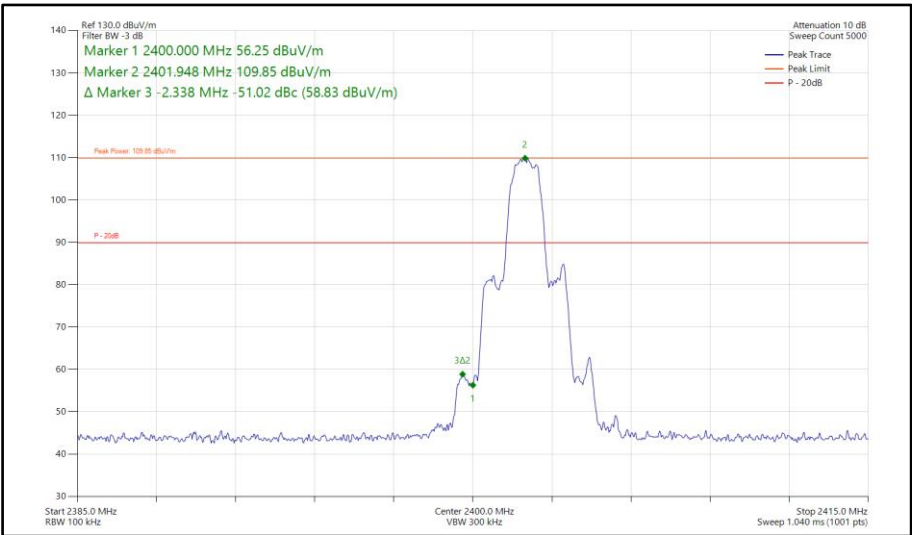


Figure 362 - Bluetooth 3DH5, SISO, Core 1 - 2402 MHz
Band Edge Frequency 2400 MHz

iPA - Core 2 (SISO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Static	HDR4	2404	2400	-56.62
Static	HDR8	2404	2400	-38.50
Static	LE1M	2402	2400	-61.27
Static	LE2M	2402	2400	-30.86
Static	2DH5	2402	2400	-47.75
Static	3DH5	2402	2400	-46.89

Table 141 - SISO Authorised Band Edge Results

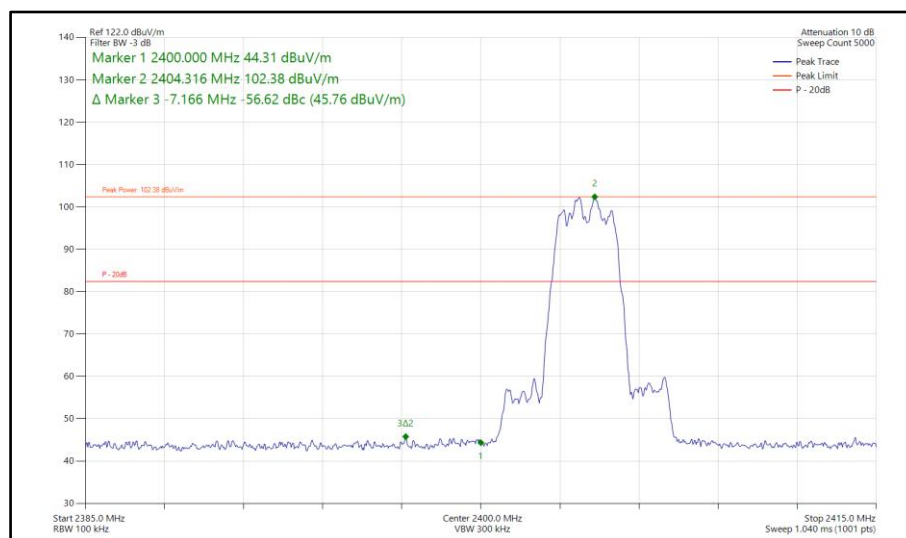


Figure 363 - Bluetooth HDR4, SISO, Core 2 - 2404 MHz
Band Edge Frequency 2400 MHz

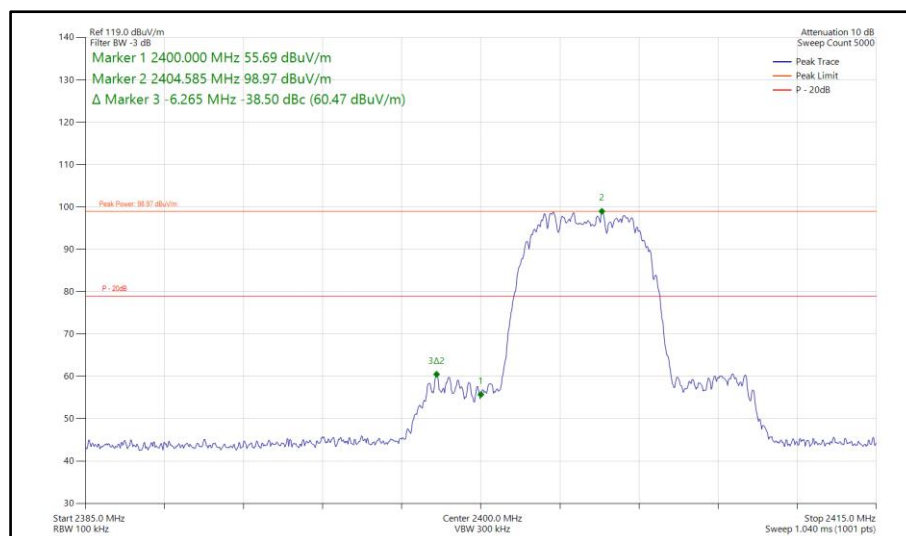


Figure 364 - Bluetooth HDR8, SISO, Core 2 - 2404 MHz
Band Edge Frequency 2400 MHz

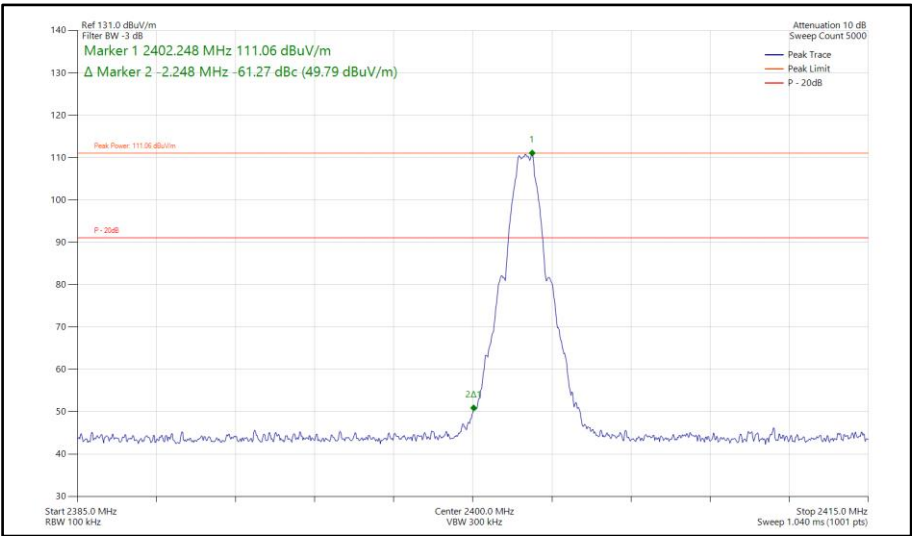


Figure 365 - Bluetooth LE1M, SISO, Core 2 - 2402 MHz
Band Edge Frequency 2400 MHz

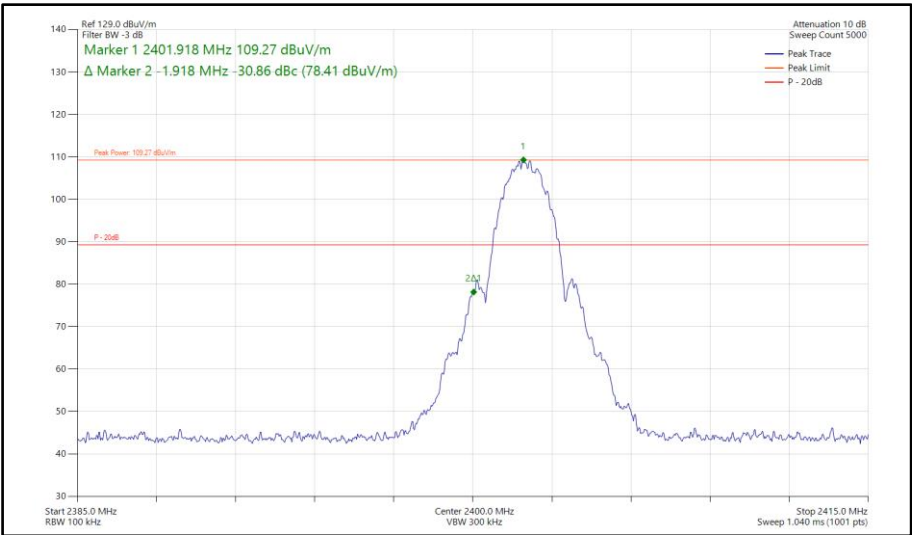


Figure 366 - Bluetooth LE2M, SISO, Core 2 - 2402 MHz
Band Edge Frequency 2400 MHz

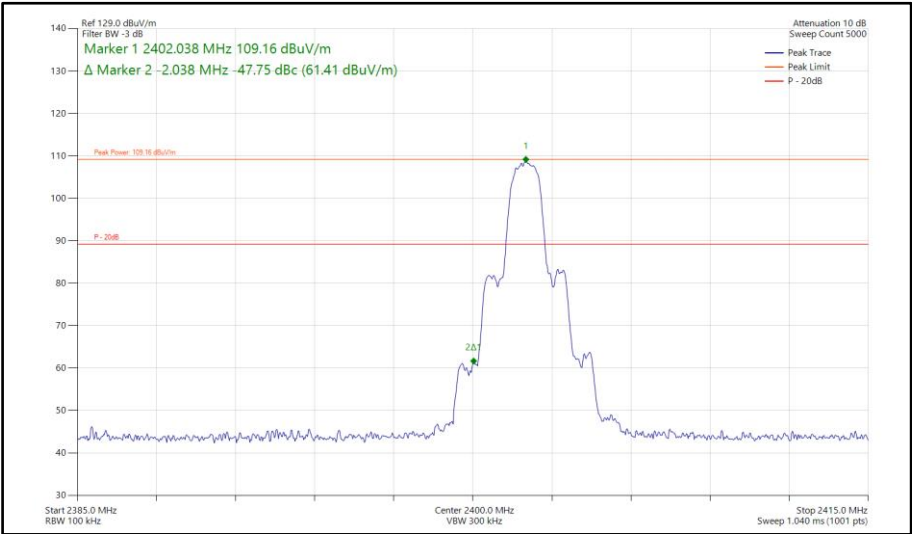


Figure 367 - Bluetooth 2DH5, SISO, Core 2 - 2402 MHz
Band Edge Frequency 2400 MHz

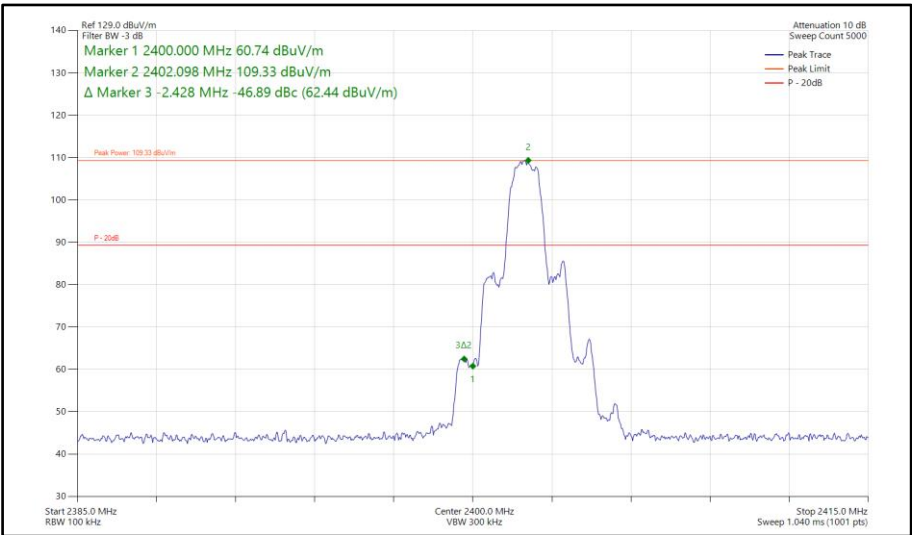


Figure 368 - Bluetooth 3DH5, SISO, Core 2 - 2402 MHz
Band Edge Frequency 2400 MHz

iPA - Core 0-1 (MIMO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Static	HDR4	2404	2400	-58.54
Static	HDR8	2404	2400	-49.60
Static	LE1M	2402	2400	-65.94
Static	LE2M	2402	2400	-34.95
Static	2DH5	2402	2400	-56.32
Static	3DH5	2402	2400	-55.23

Table 142 - MIMO Authorised Band Edge Results

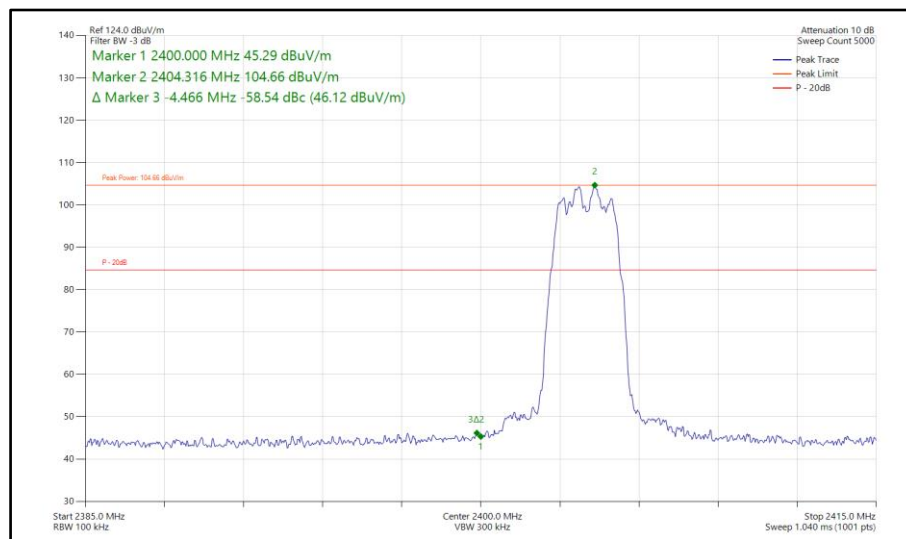


Figure 369 - Bluetooth HDR4, MIMO, Core 0-1 - 2404 MHz
Band Edge Frequency 2400 MHz

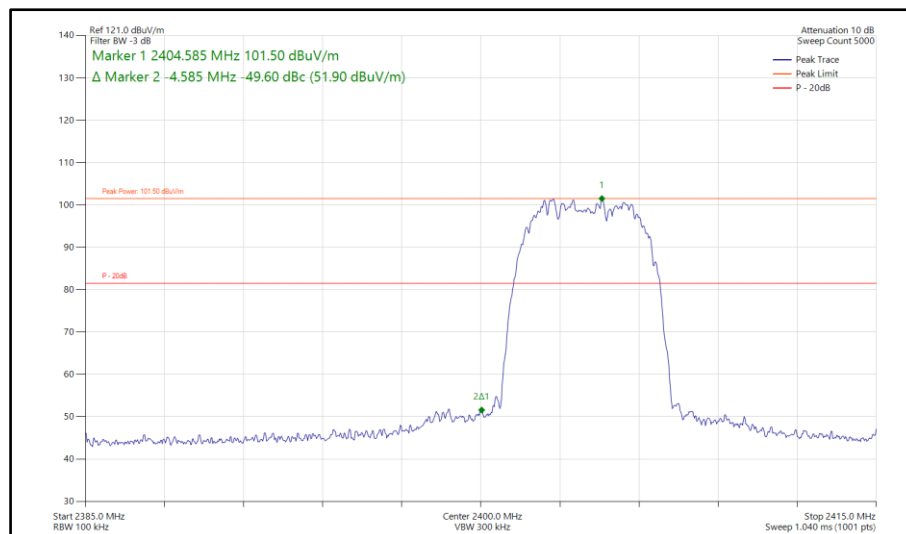


Figure 370 - Bluetooth HDR8, MIMO, Core 0-1 - 2404 MHz
Band Edge Frequency 2400 MHz

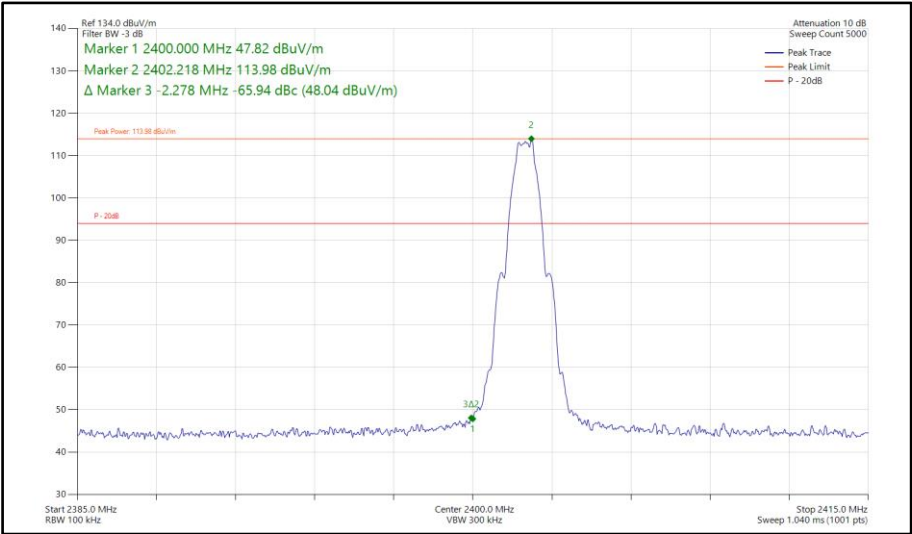


Figure 371 - Bluetooth LE1M, MIMO, Core 0-1 - 2402 MHz
Band Edge Frequency 2400 MHz

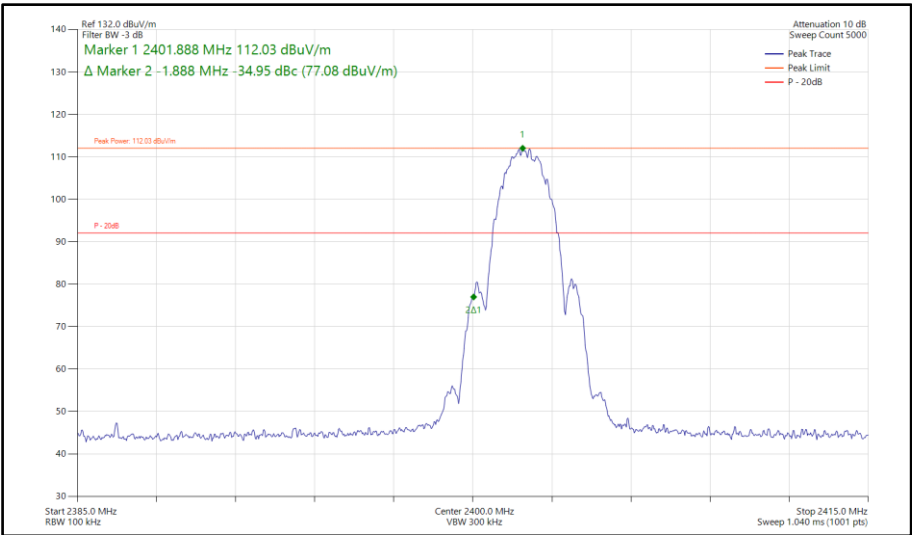


Figure 372 - Bluetooth LE2M, MIMO, Core 0-1 - 2402 MHz
Band Edge Frequency 2400 MHz

