



FCC Part 15E, Limit Clause 15.407 (a)(10)

The maximum transmitter channel bandwidth for U–NII devices in the 5.925–7.125 GHz band is 320 megahertz.

ISED RSS-248, Limit Clause 4.4

The occupied bandwidth shall not exceed 320 MHz.

2.3.7 Test Location and Test Equipment Used

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

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Multimeter	Iso-tech	IDM101	2421	12	11-Nov-2026
Attenuator (30dB, 150W)	Narda	769-30	3369	12	21-Feb-2026
Hygrometer	Rotronic	HP21	4741	12	29-May-2026
USB Power Sensor	Boonton	RTP5006	5184	12	29-Aug-2026
AC Programmable Power Supply	iTech	IT7324	5225	-	O/P Mon
AC Programmable Power Supply	iTech	IT7324	5226	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5528	24	10-Sep-2027
MXA Signal Analyser	Keysight Technologies	N9020B	5529	24	02-Jan-2027
USB Power Sensor	Boonton	RTP5008	5833	12	29-Aug-2026
USB Power Sensor	Boonton	RTP5008	5834	12	29-Aug-2026
Modular Power System Mainframe	Keysight Technologies	N6701C	5835	-	TU
DC Power Module 60V 20A 300W	Keysight Technologies	N6754A	5836	-	O/P Mon
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6350	12	02-Sep-2026
MXA Signal Analyzer	Keysight Technologies	N9020B	6416	24	07-May-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6426	12	14-Mar-2026
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6518	12	23-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
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6638	12	29-Aug-2026



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6639	12	29-Aug-2026
AC Programmable Power Supply	iTech	IT7324	6662	-	O/P Mon
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6752	12	14-Mar-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6753	12	14-Mar-2026
Humidity & Temperature meter	Fluke	971	7103	12	05-Aug-2026
Multimeter	Fluke	115	7115	12	13-Aug-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	7137	12	29-Aug-2026

Table 202

TU - Traceability Unscheduled

O/P Mon - Output Monitored using calibrated equipment



2.4 Authorised Band Edges

2.4.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b)
ISED RSS-248, Clause 4.6
ISED RCC-GEN 6.13

2.4.2 Equipment Under Test and Modification State

A3427, S/N: HL723RK6QW - Modification State 0

2.4.3 Date of Test

15-October-2025 to 18-October-2025

2.4.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.6.

For U-NII-5-8 channels, the limit line on the following plots equated to -27 dBm/MHz. EIRP and was converted to field strength at 3 m using the following formula:
Field Strength (dBµV/m at 3 m) = EIRP (dBm) + 95.2 dB

As per KDB 987594, In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

Authorised band edge measurements were performed, with the device operating in SISO and MIMO configurations, across the various modes supported by the device.

The measurements displayed within this report, have been limited to those modes which have been shown to be worst case.

Further measurements are held on file by TÜV SÜD and are available if required.

2.4.5 Environmental Conditions

Ambient Temperature	22.4 - 22.8 °C
Relative Humidity	47.8 - 48.8 %



2.4.6 Test Results

Narrowband

iPA - Core 0 (SISO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
Static	DH5	6106	5925	56.41	44.22
Static	HDR4	6106	5925	54.94	44.17
Static	HDR8	6106	5925	55.30	44.15
Static	LE1M	6106	5925	55.48	43.77
Static	LE2M	6106	5925	55.67	45.54
Static	HDT3	6106	5925	55.27	43.56
Static	HDT4	6106	5925	56.10	43.61
Static	HDT6	6106	5925	55.77	43.71
Static	HDRPS2	6106	5925	55.09	43.39
Static	HDRPM12	6107	5925	55.15	43.58
Static	HDRPL8	6109	5925	55.34	43.53
Static	HDRPL24	6109	5925	55.35	43.90
Static	XHDRPM8	6107	5925	55.31	43.63
Static	XHDRPL24	6109	5925	54.94	44.11
Static	DH5	6425	7125	56.70	46.27
Static	HDR4	6425	7125	56.99	46.20
Static	HDR8	6425	7125	57.06	46.22
Static	LE1M	6425	7125	57.09	45.80
Static	LE2M	6425	7125	57.70	47.57
Static	HDT3	6425	7125	57.05	45.35
Static	HDT4	6425	7125	56.87	45.40
Static	HDT6	6425	7125	56.88	45.53
Static	HDRPS2	6425	7125	58.13	45.46
Static	HDRPM12	6425	7125	56.77	45.42
Static	HDRPL8	6425	7125	56.71	45.36
Static	HDRPL24	6425	7125	56.78	45.72
Static	XHDRPM8	6425	7125	56.79	45.48
Static	XHDRPL24	6425	7125	57.07	45.91

Table 203 - SISO Authorised Band Edge Results

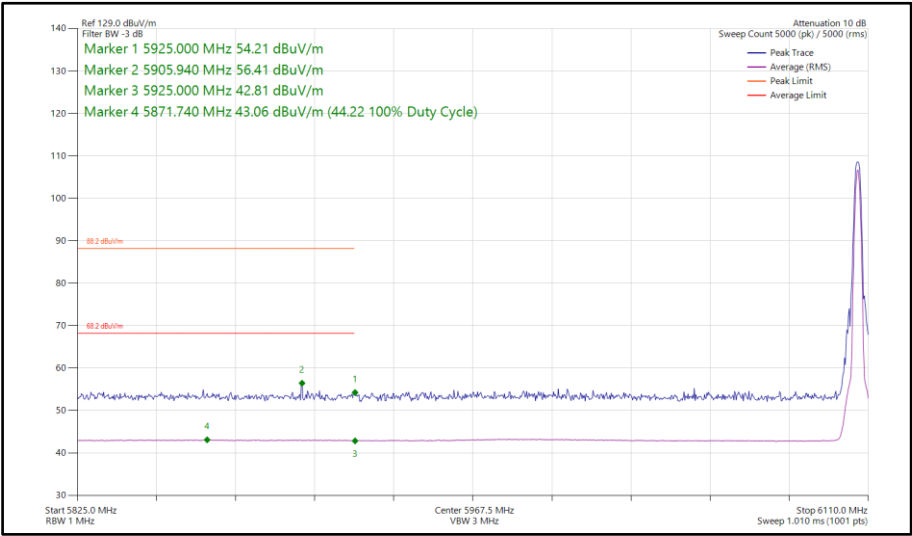


**Figure 263 - DH5, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz**

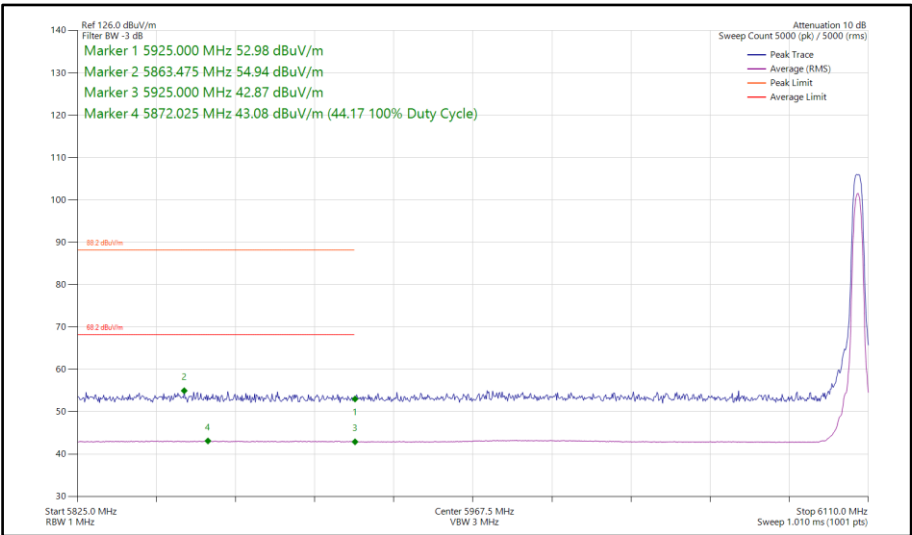


**Figure 264 - HDR4, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz**

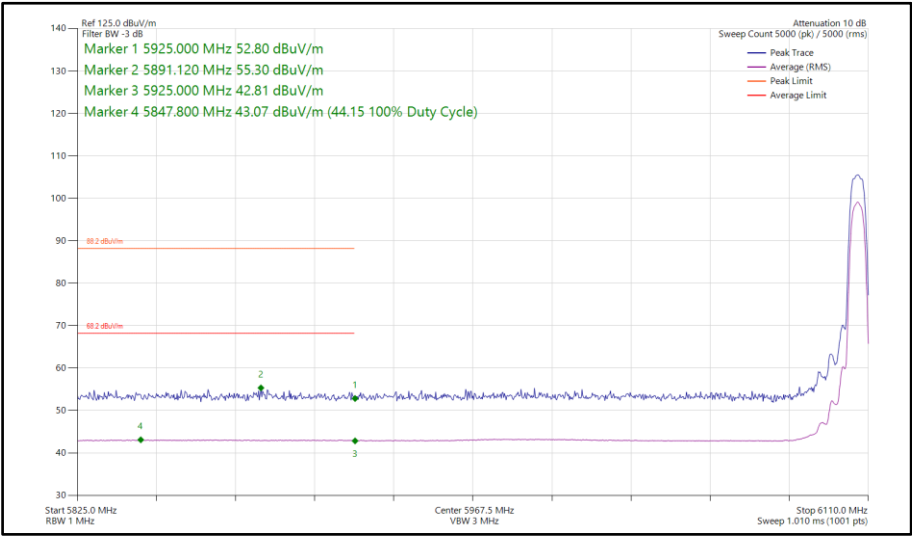


**Figure 265 - HDR8, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz**

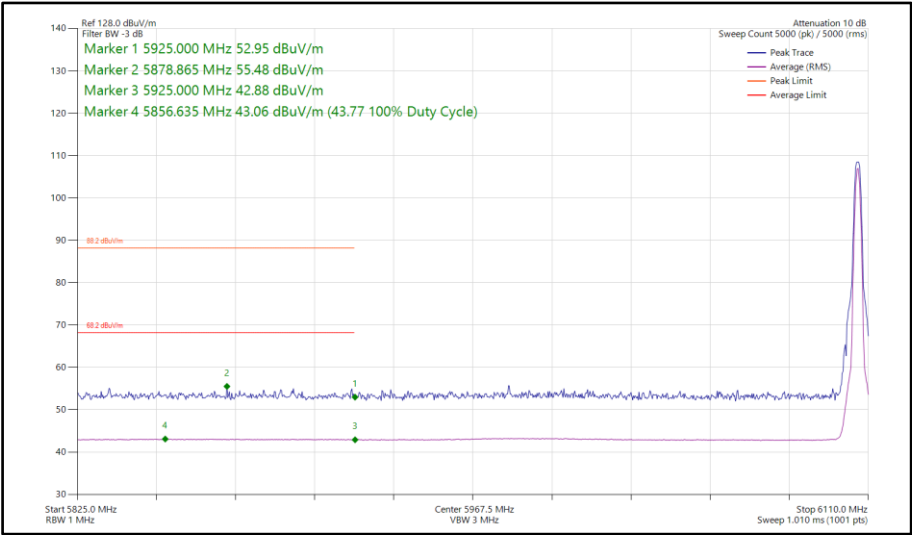


**Figure 266 - LE1M, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz**

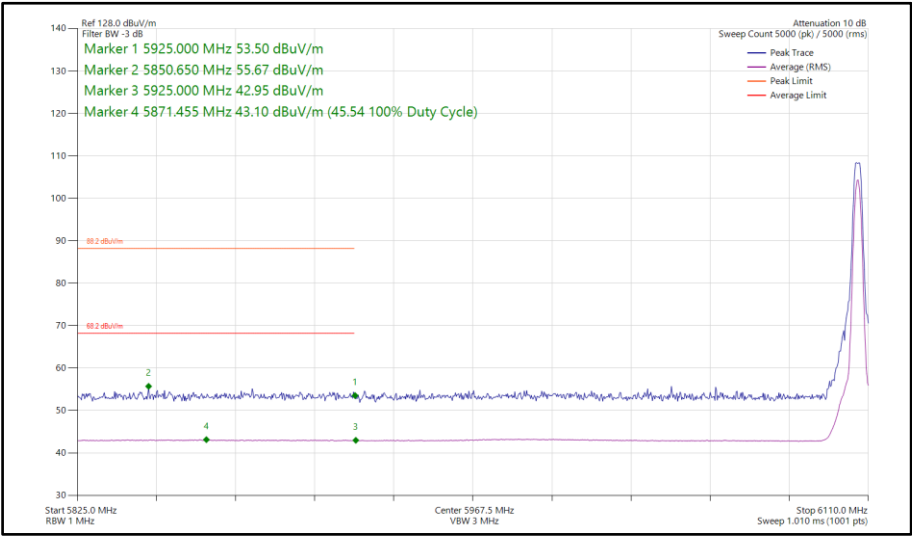


**Figure 267 - LE2M, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz**

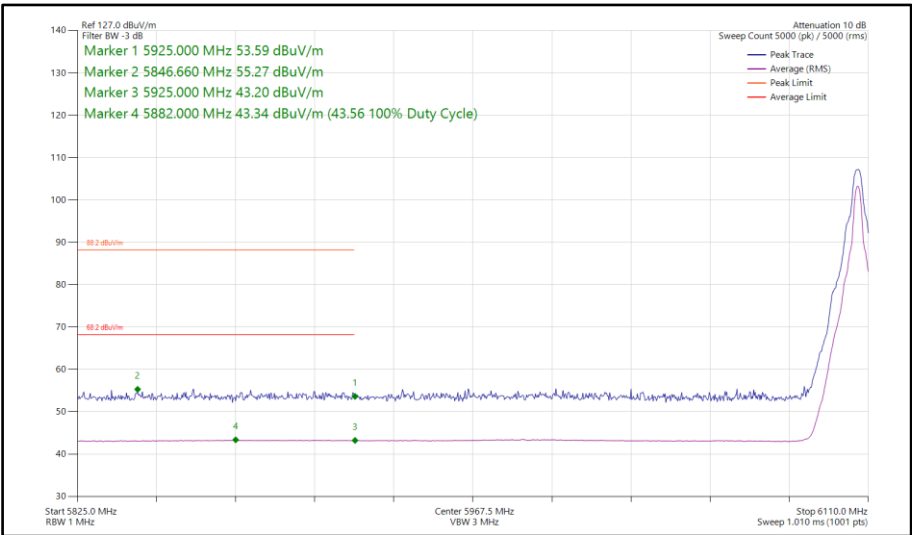


**Figure 268 - HDT3, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz**

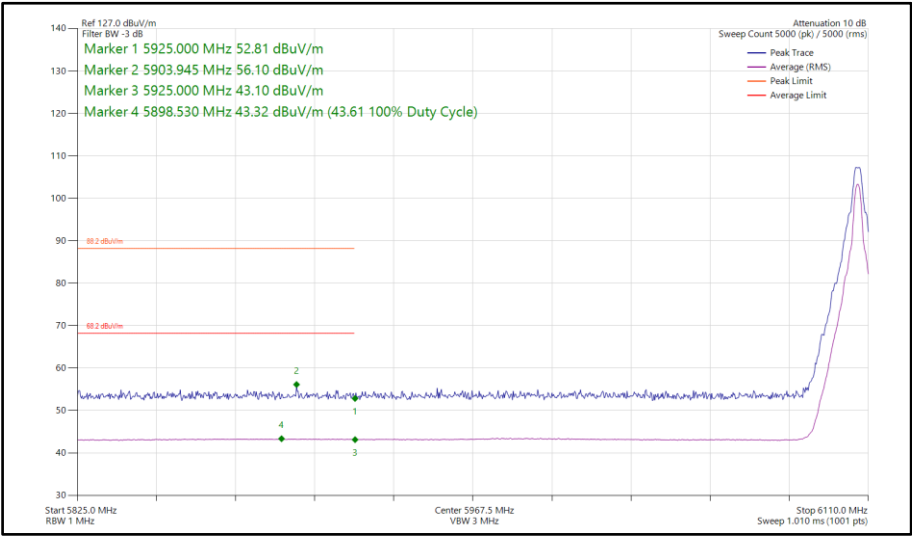


Figure 269 - HDT4, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

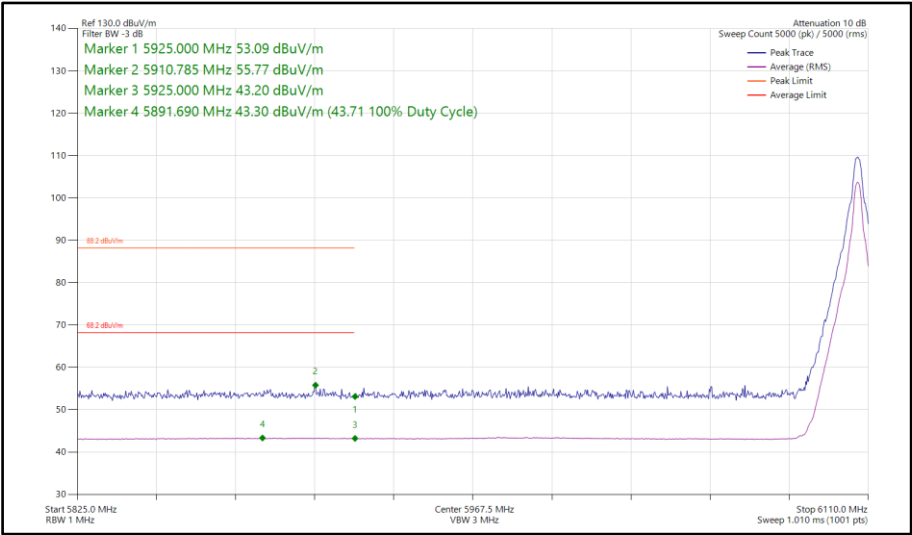


Figure 270 - HDT6, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

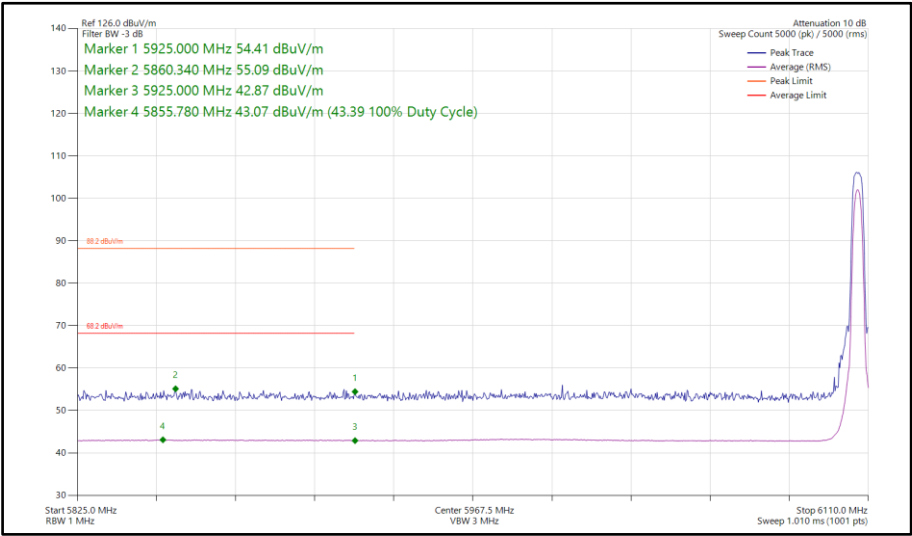


Figure 271 - HDRPS2, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

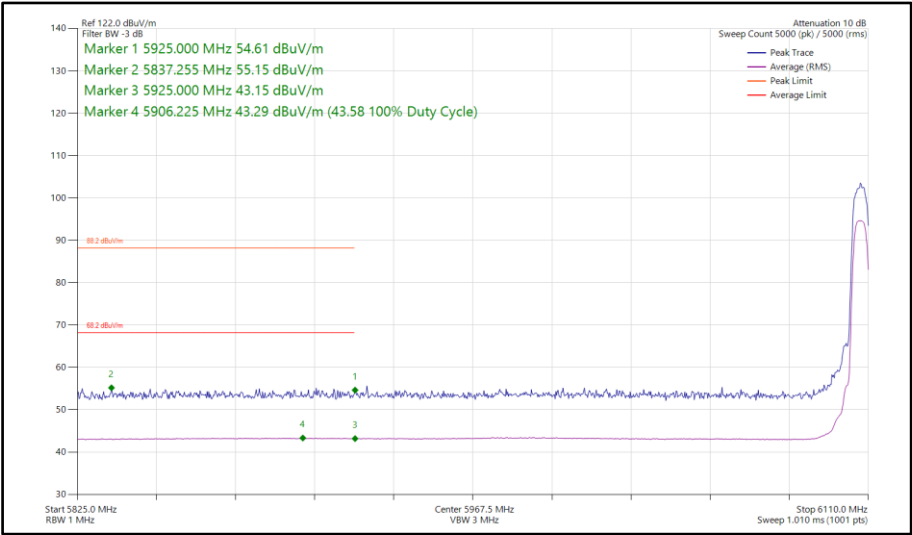


Figure 272 - HDRPM12, SISO, Core 0 - 6107 MHz
Band Edge Frequency 5925 MHz

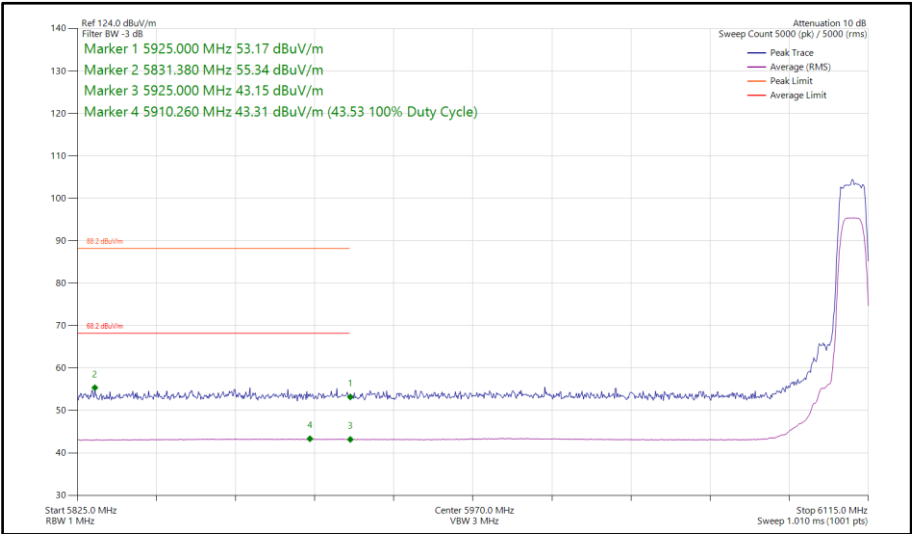


**Figure 273 - HDRPL8, SISO, Core 0 - 6109 MHz
Band Edge Frequency 5925 MHz**

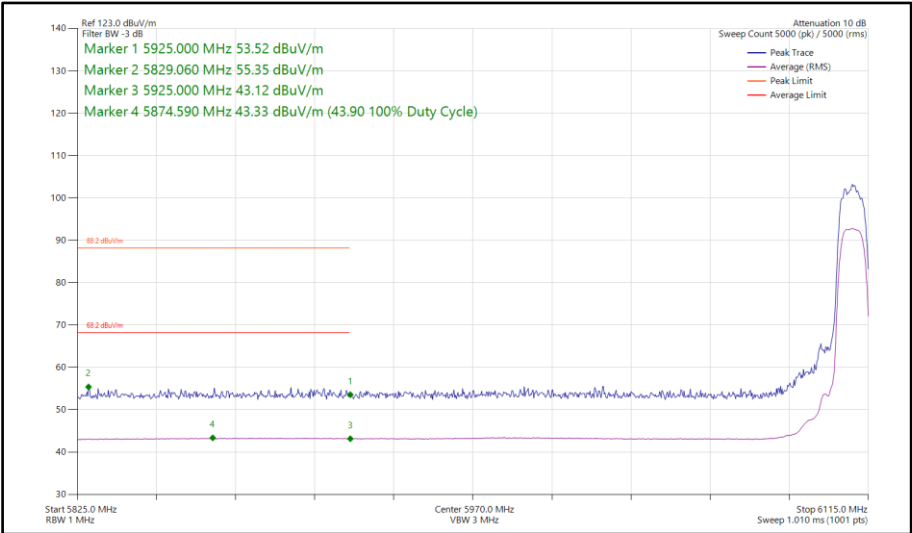


**Figure 274 - HDRPL24, SISO, Core 0 - 6109 MHz
Band Edge Frequency 5925 MHz**

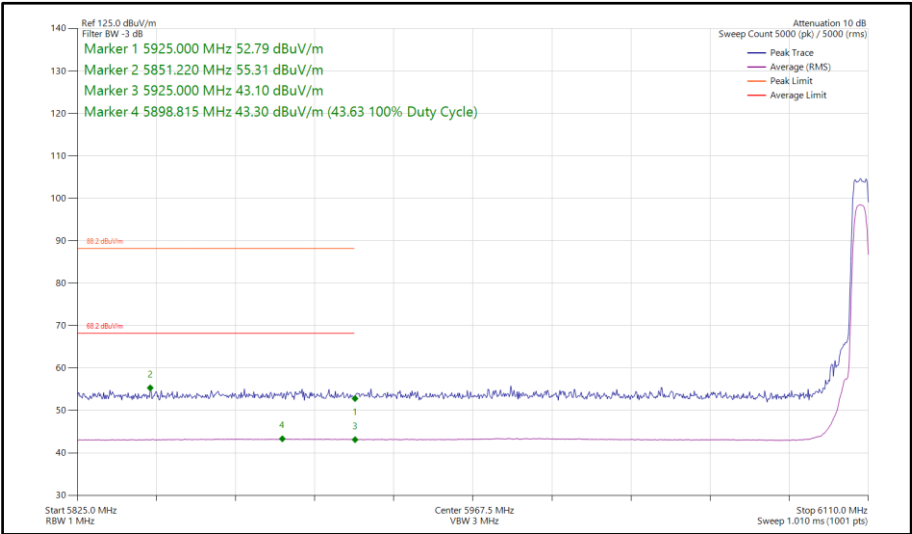


Figure 275 - XHDRPM8, SISO, Core 0 - 6107 MHz
Band Edge Frequency 5925 MHz

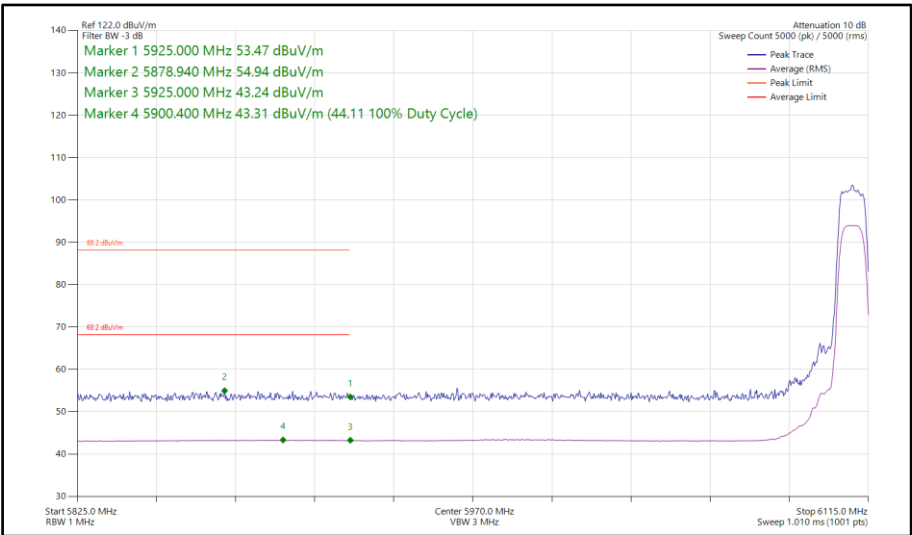


Figure 276 - XHDRPL24, SISO, Core 0 - 6109 MHz
Band Edge Frequency 5925 MHz

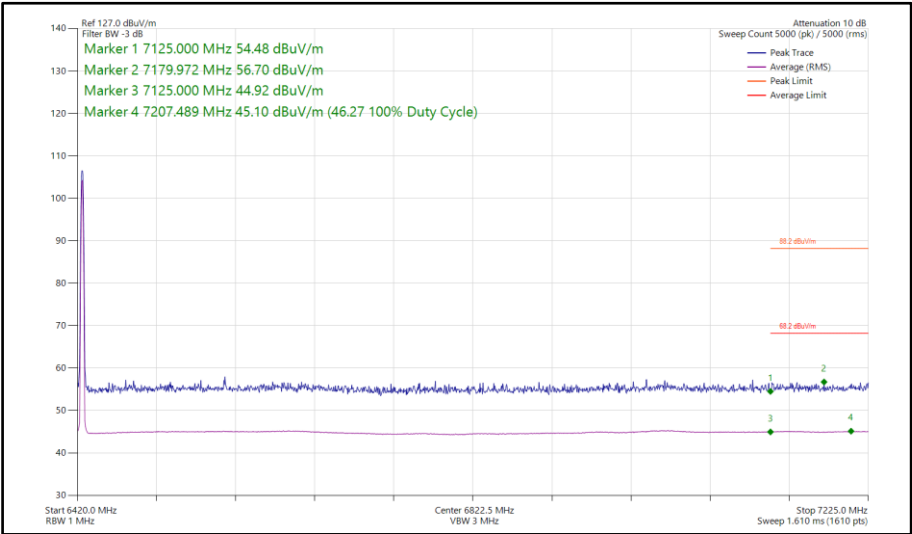


Figure 277 - DH5, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

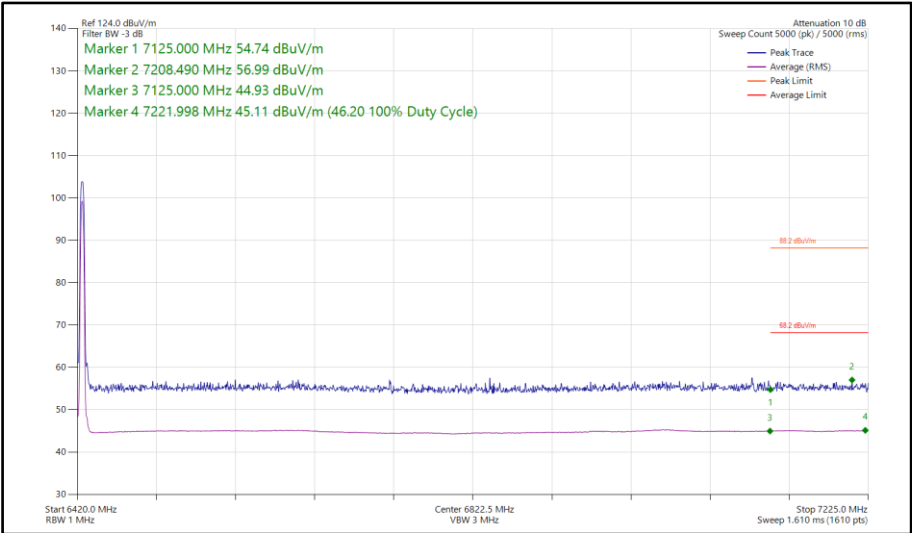


Figure 278 - HDR4, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

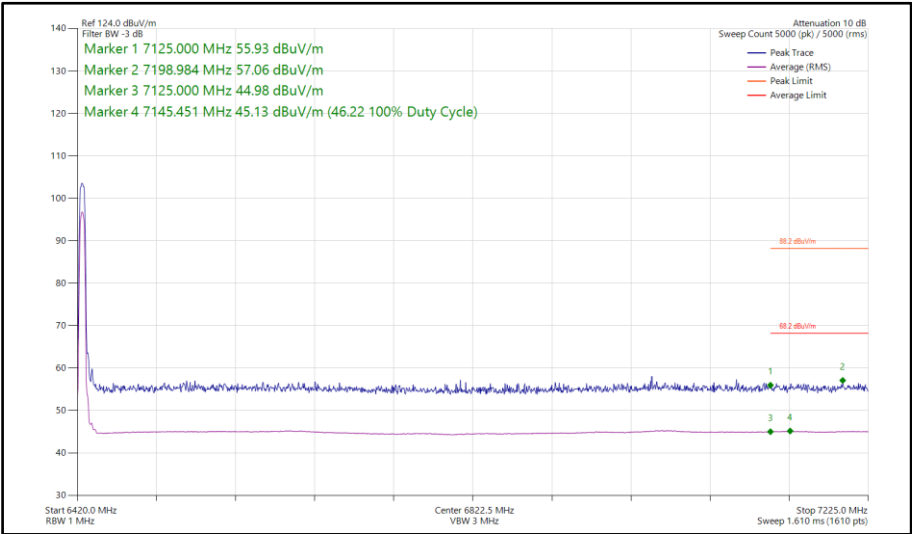


Figure 279 - HDR8, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

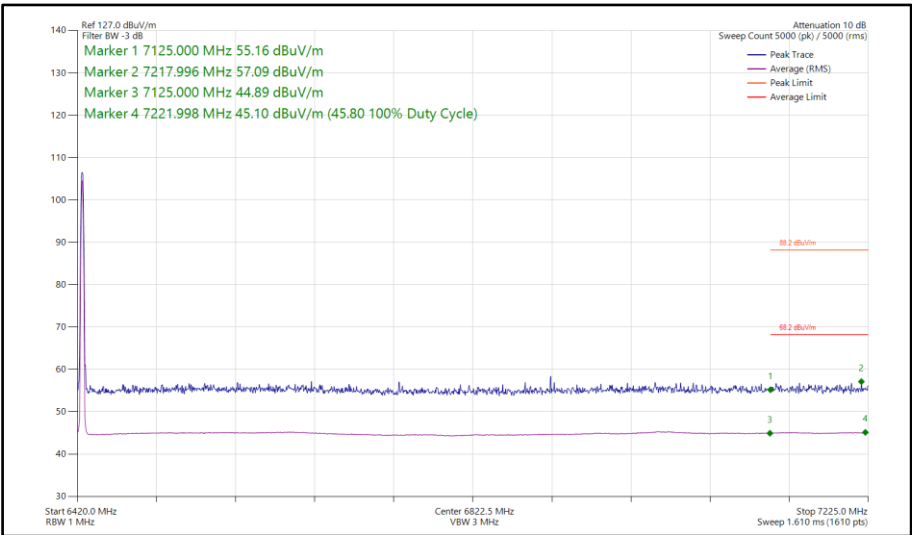


Figure 280 - LE1M, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

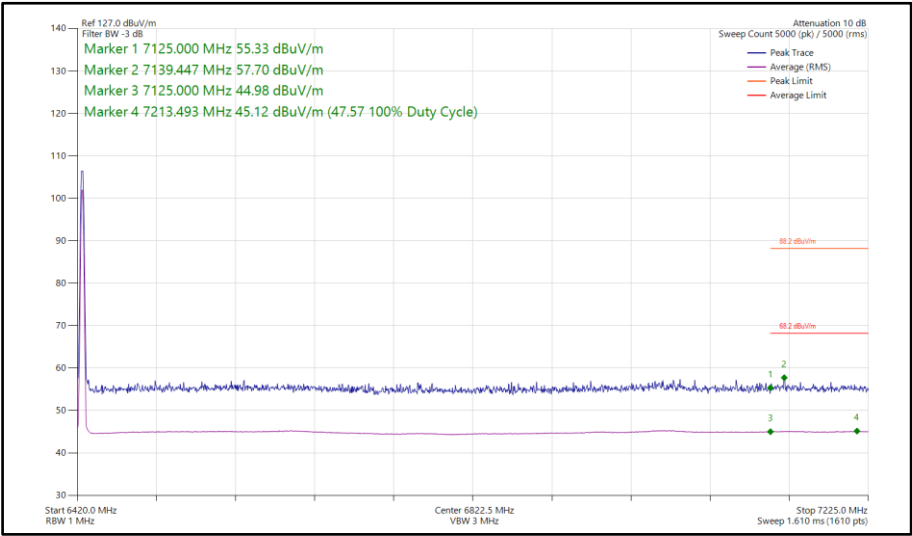


Figure 281 - LE2M, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

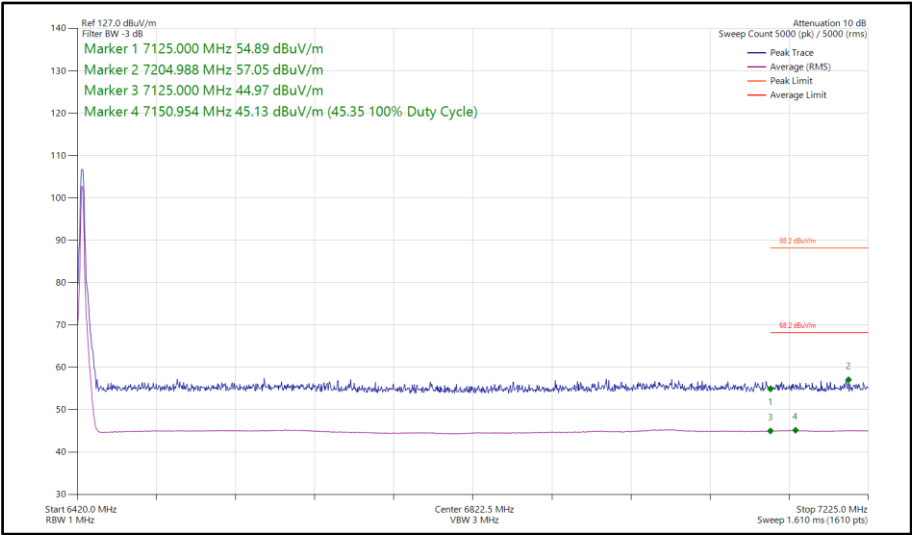


Figure 282 - HDT3, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

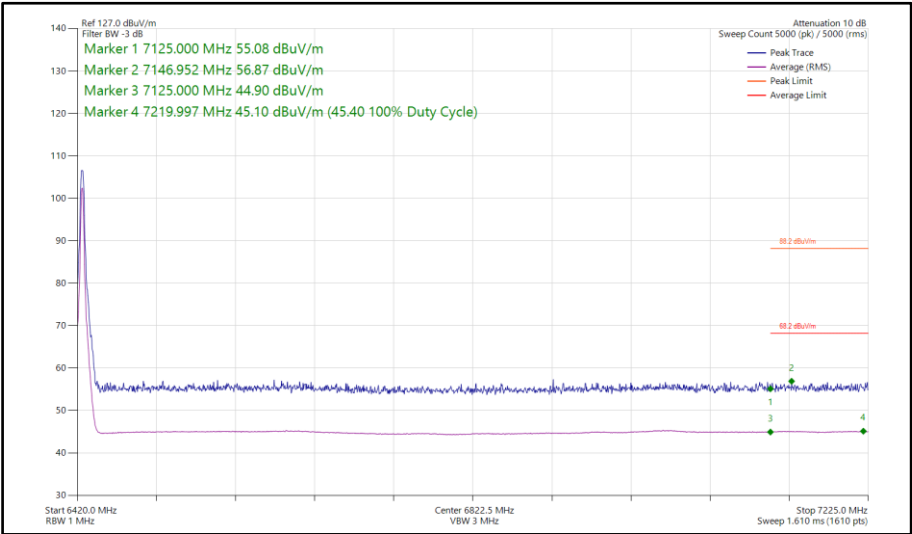


Figure 283 - HDT4, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

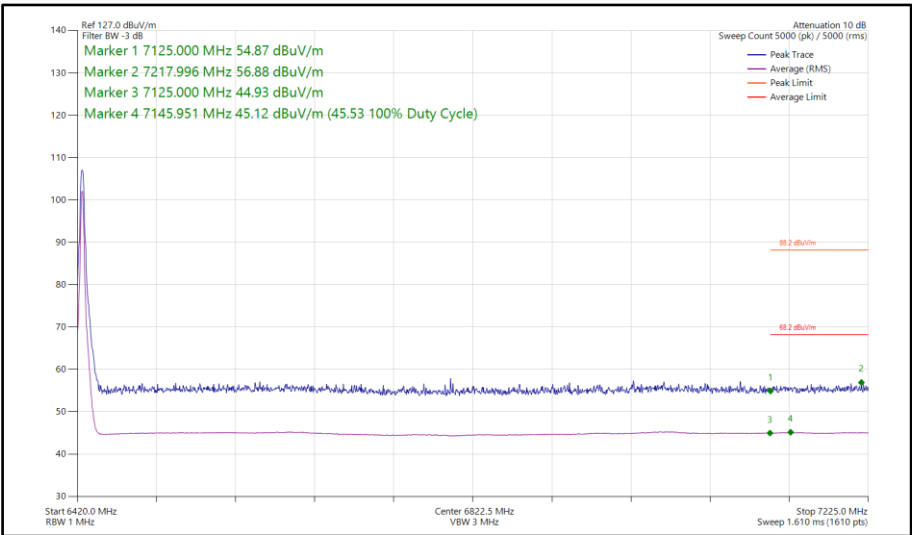


Figure 284 - HDT6, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

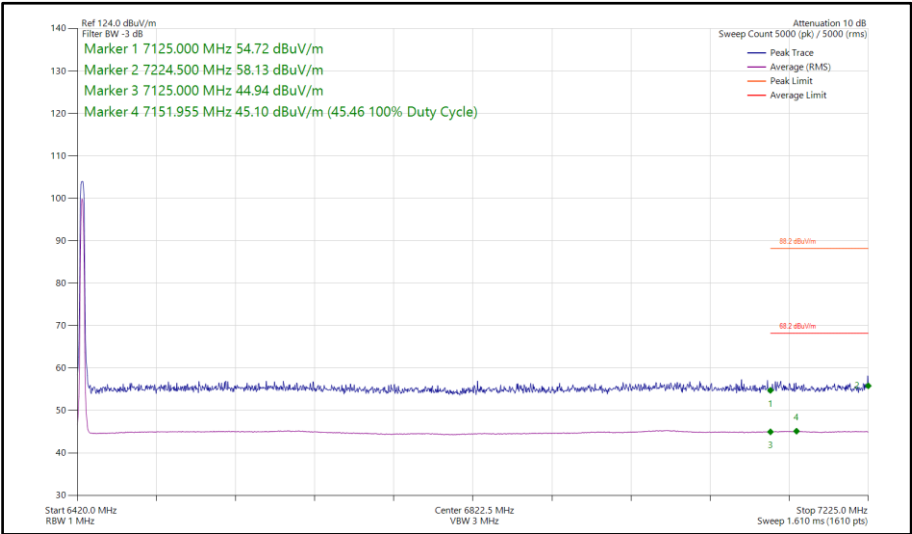


**Figure 285 - HDRPS2, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz**

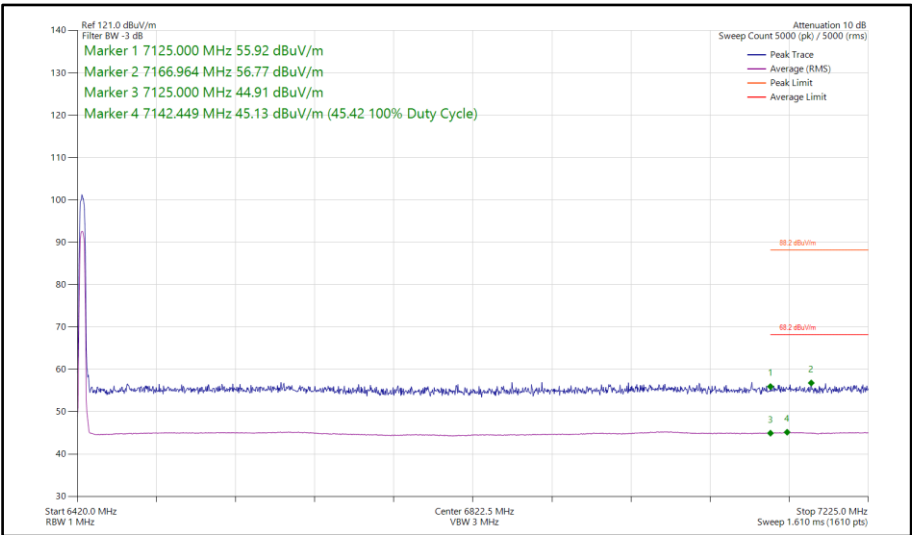


**Figure 286 - HDRPM12, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz**

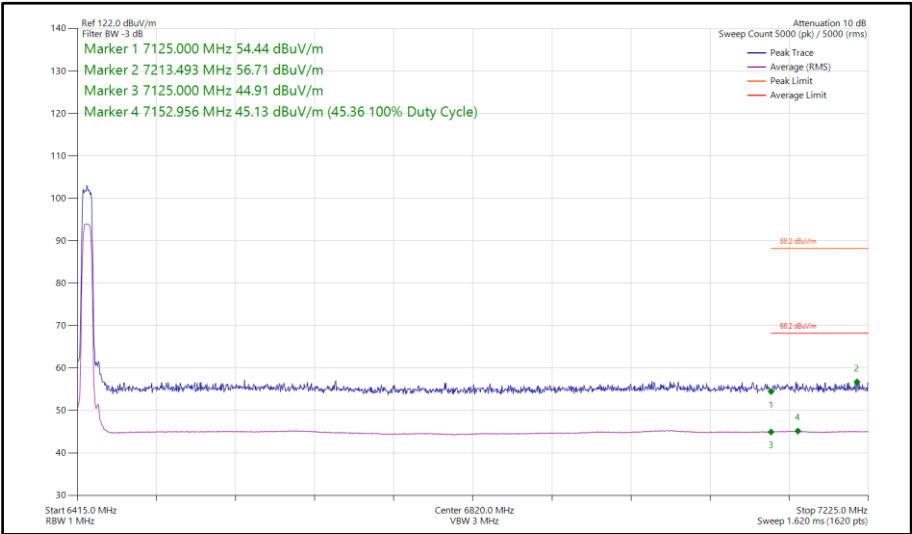


**Figure 287 - HDRPL8, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz**

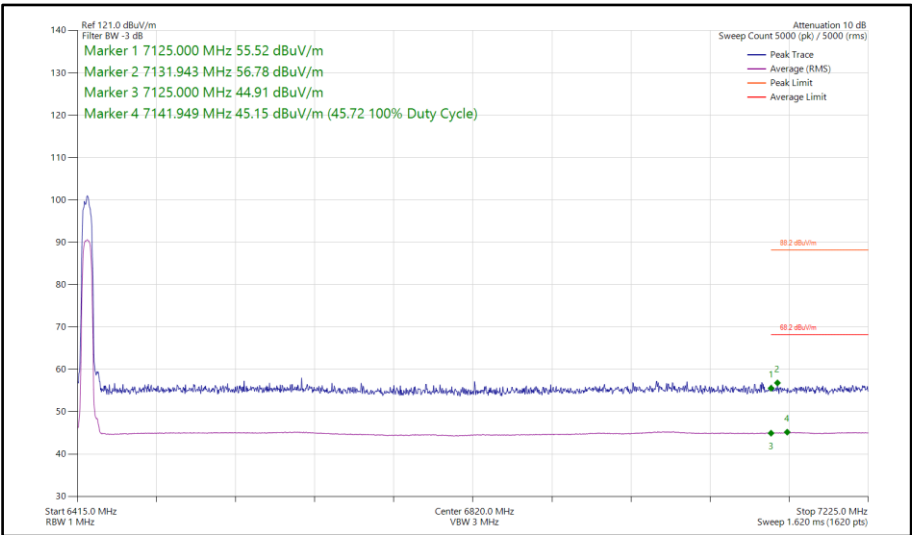


**Figure 288 - HDRPL24, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz**

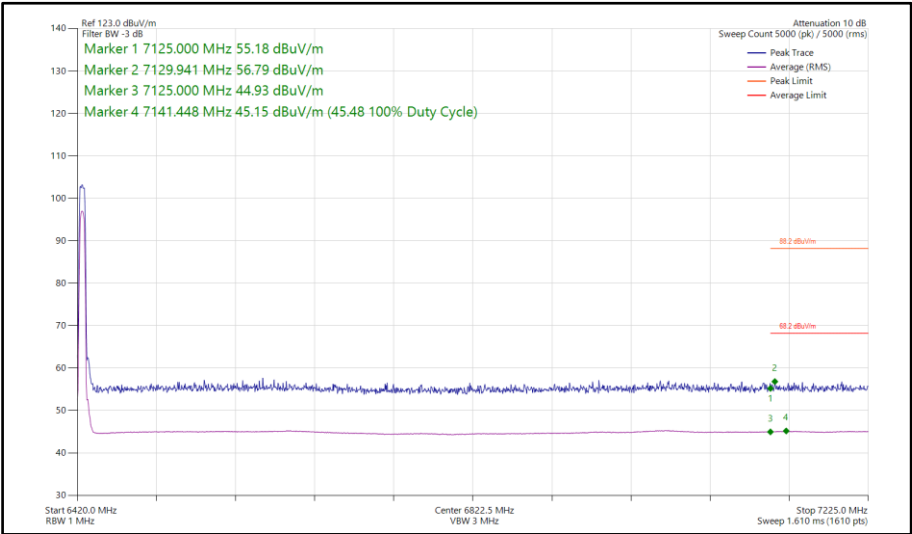


Figure 289 - XHDRPM8, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

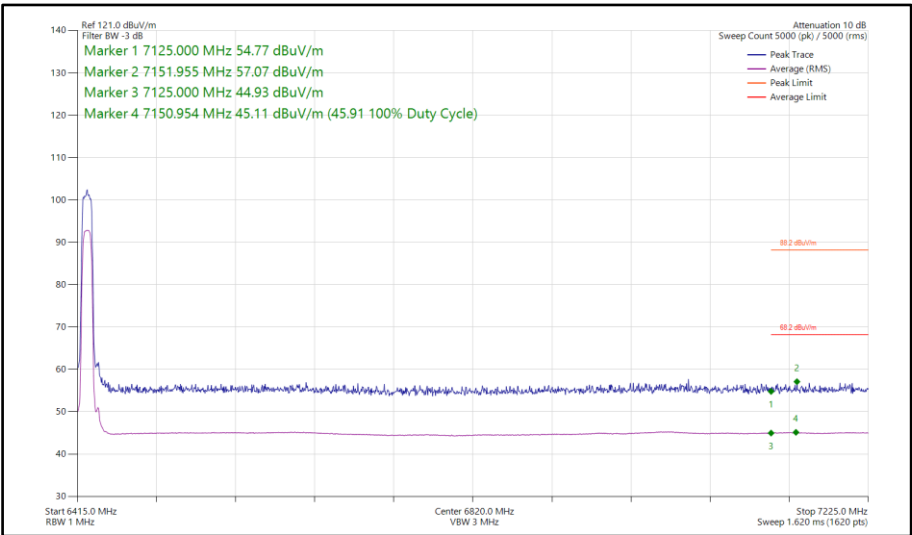


Figure 290 - XHDRPL24, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz



iPA - Core 1 (SISO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBuV/m)
Static	DH5	6106	5925	55.37	44.51
Static	HDR4	6106	5925	55.16	44.43
Static	HDR8	6106	5925	55.31	44.40
Static	LE1M	6106	5925	55.07	44.02
Static	LE2M	6106	5925	55.23	45.74
Static	HDT3	6106	5925	55.83	43.60
Static	HDT4	6106	5925	55.15	43.62
Static	HDT6	6106	5925	56.32	43.75
Static	HDRPS2	6106	5925	55.17	43.69
Static	HDRPM12	6107	5925	55.74	43.60
Static	HDRPL8	6109	5925	55.09	43.54
Static	HDRPL24	6109	5925	55.60	43.88
Static	XHDRPM8	6107	5925	55.52	43.71
Static	XHDRPL24	6109	5925	54.94	44.14
Static	DH5	6425	7125	57.23	46.26
Static	HDR4	6425	7125	56.89	46.18
Static	HDR8	6425	7125	56.57	46.20
Static	LE1M	6425	7125	56.88	45.83
Static	LE2M	6425	7125	56.74	47.58
Static	HDT3	6425	7125	57.12	45.34
Static	HDT4	6425	7125	57.03	45.45
Static	HDT6	6425	7125	56.82	45.53
Static	HDRPS2	6425	7125	57.25	45.52
Static	HDRPM12	6425	7125	57.09	45.45
Static	HDRPL8	6425	7125	57.12	45.39
Static	HDRPL24	6425	7125	57.03	45.72
Static	XHDRPM8	6425	7125	56.96	45.46
Static	XHDRPL24	6425	7125	57.84	45.89

Table 204 - SISO Authorised Band Edge Results

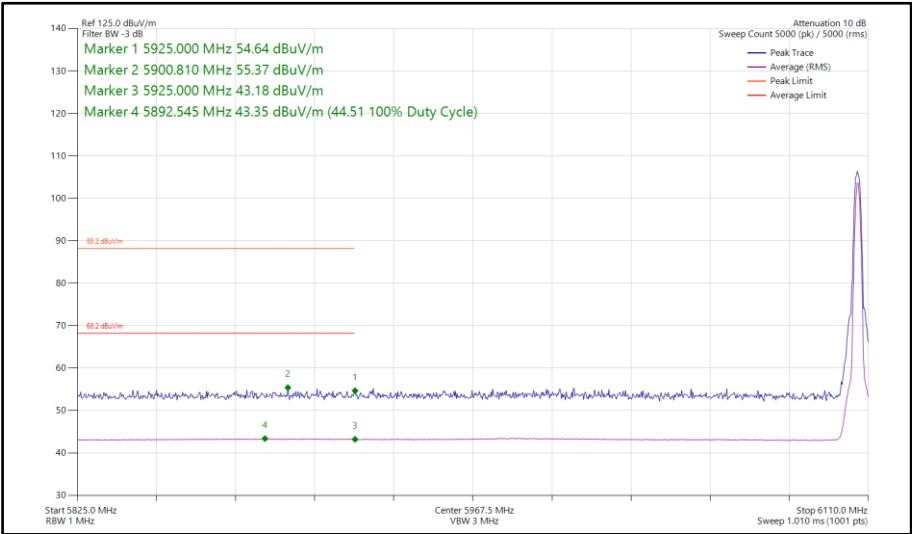


**Figure 291 - DH5, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz**

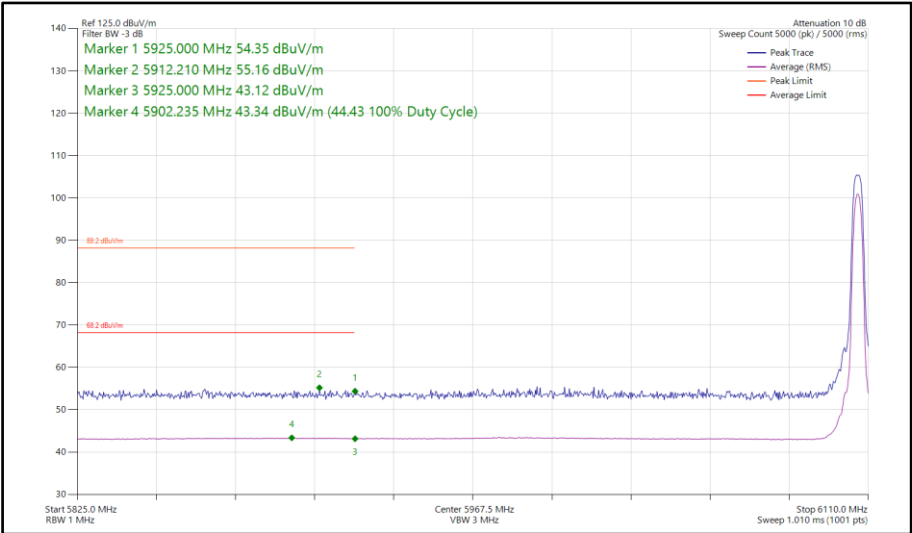


**Figure 292 - HDR4, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz**

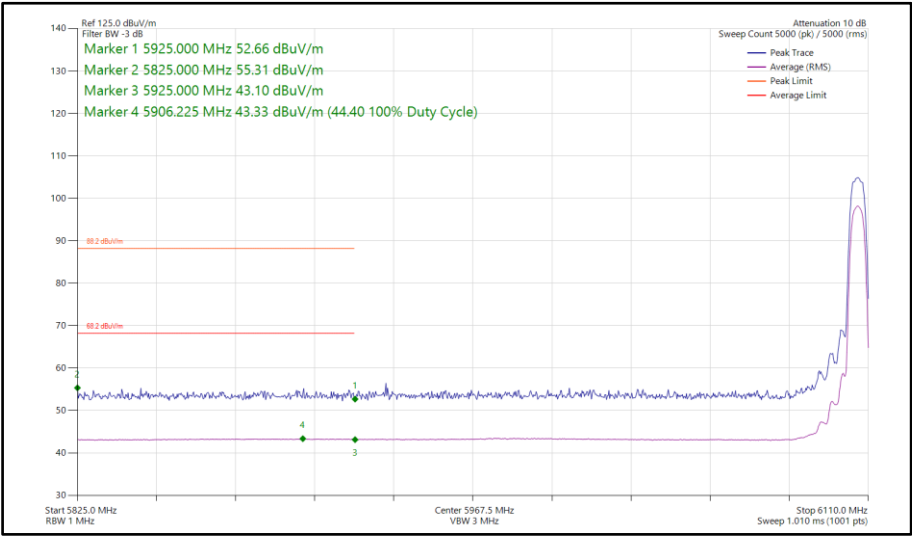


**Figure 293 - HDR8, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz**

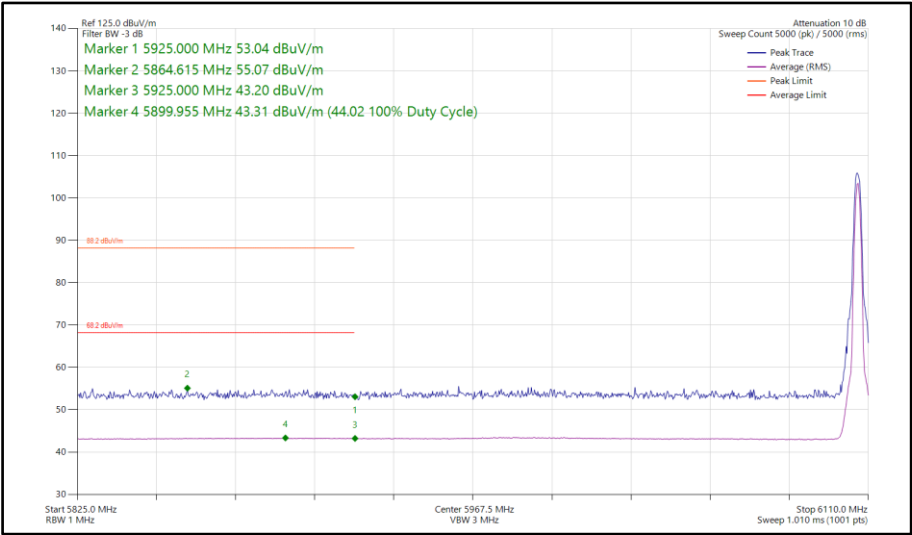


**Figure 294 - LE1M, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz**

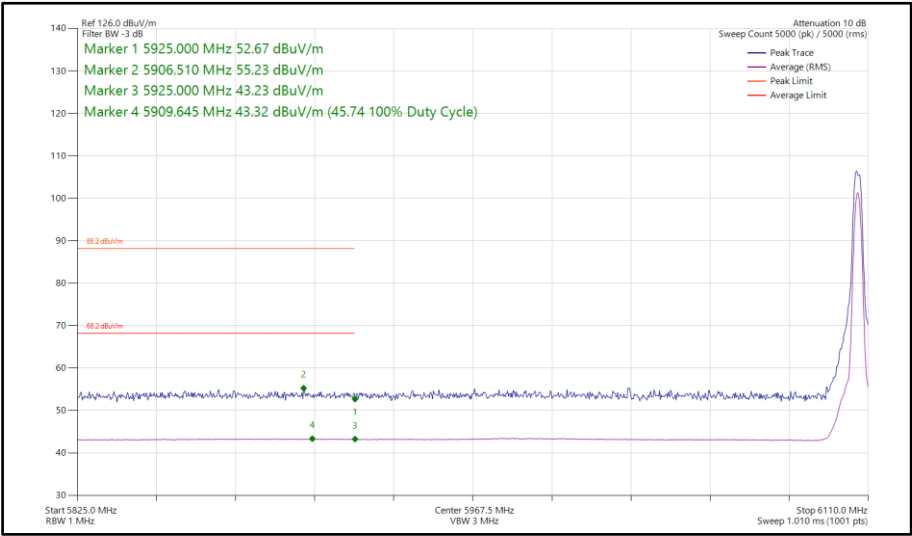


Figure 295 - LE2M, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

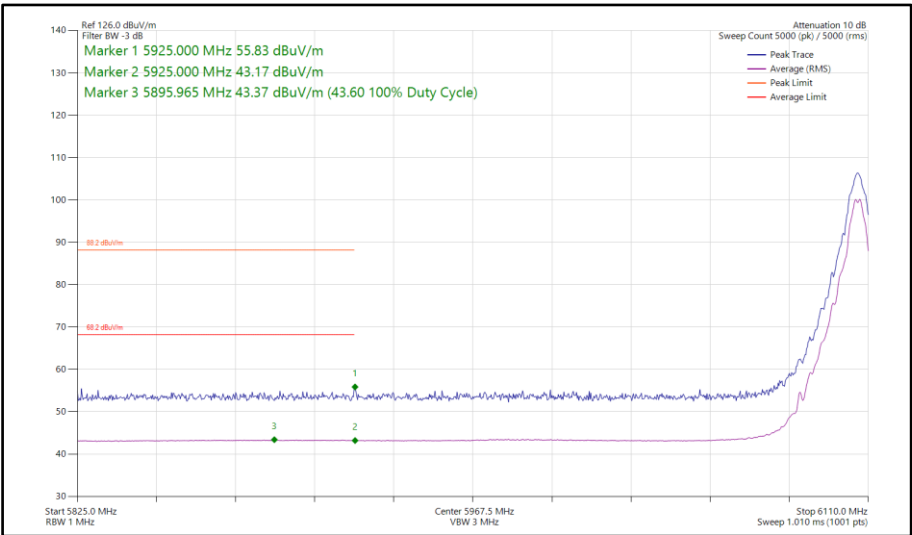


Figure 296 - HDT3, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

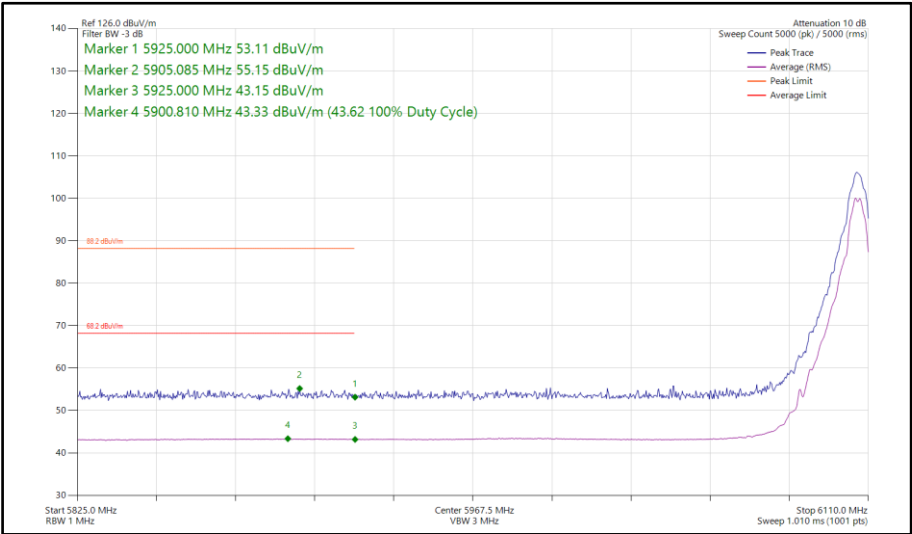


Figure 297 - HDT4, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

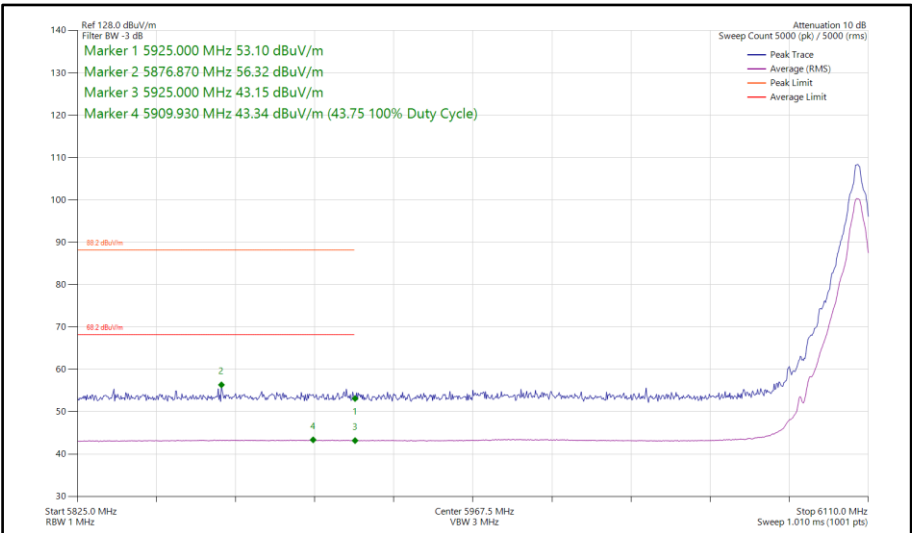


Figure 298 - HDT6, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

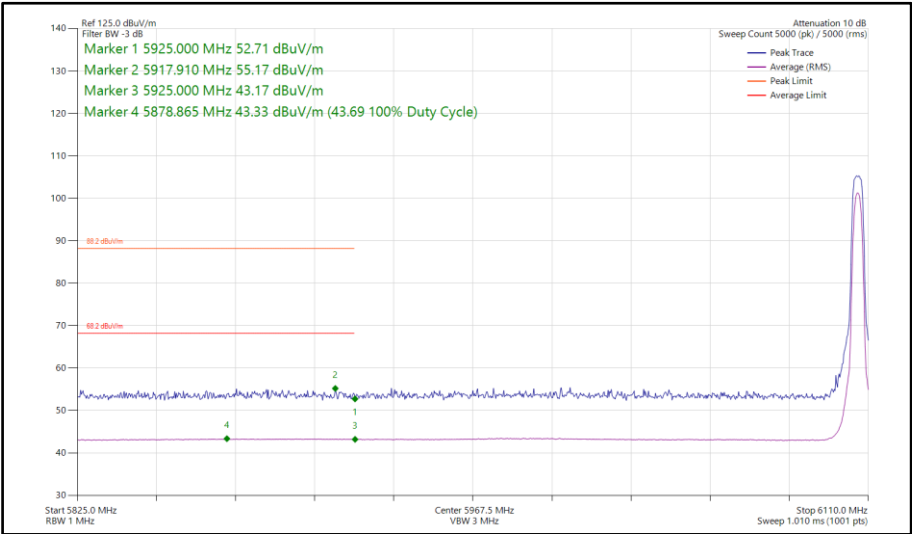


**Figure 299 - HDRPS2, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz**

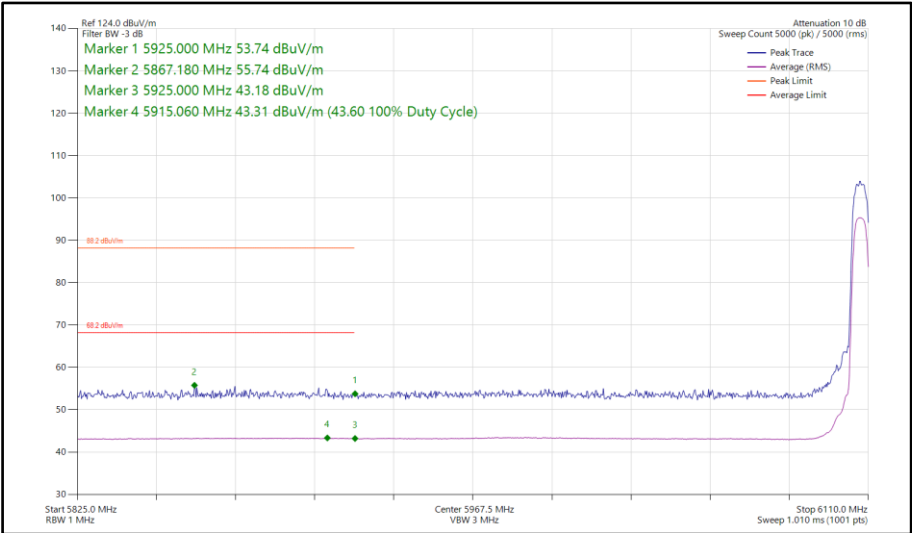


**Figure 300 - HDRPM12, SISO, Core 1 - 6107 MHz
Band Edge Frequency 5925 MHz**

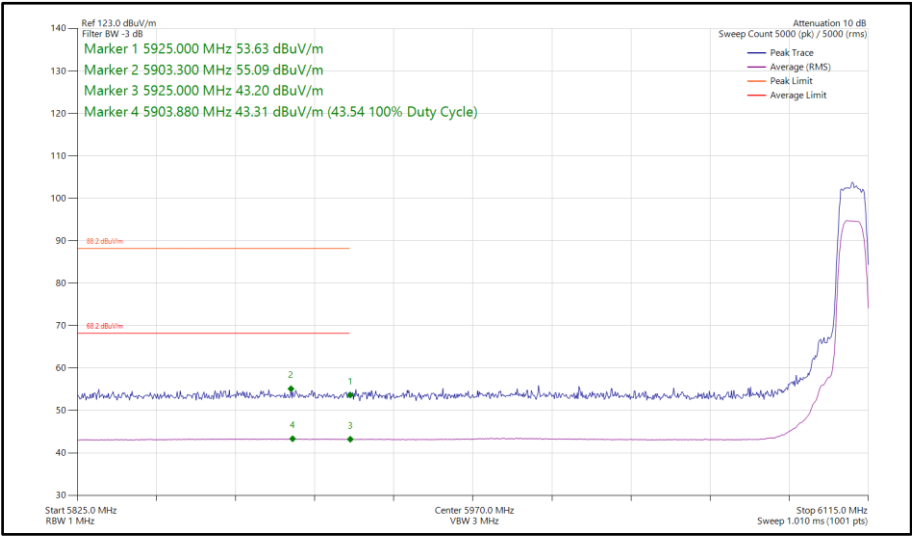


Figure 301 - HDRPL8, SISO, Core 1 - 6109 MHz
Band Edge Frequency 5925 MHz

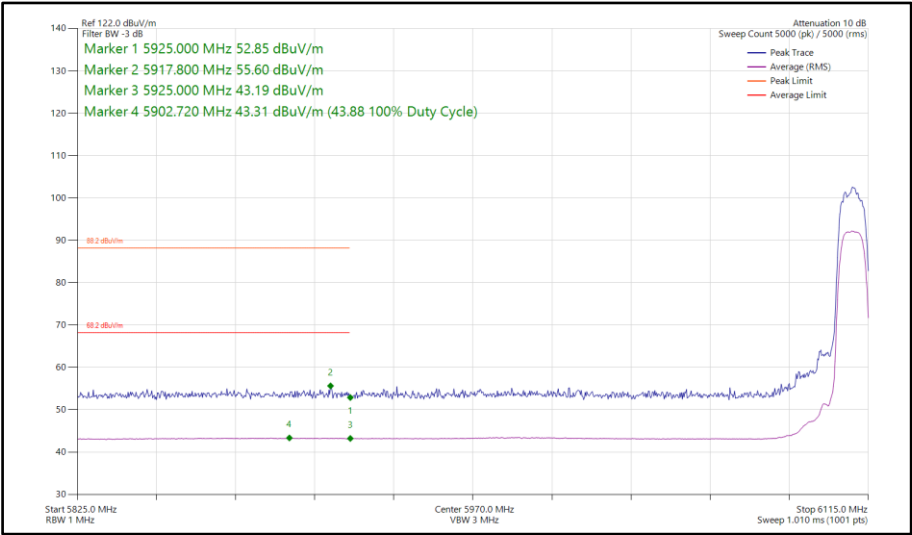


Figure 302 - HDRPL24, SISO, Core 1 - 6109 MHz
Band Edge Frequency 5925 MHz

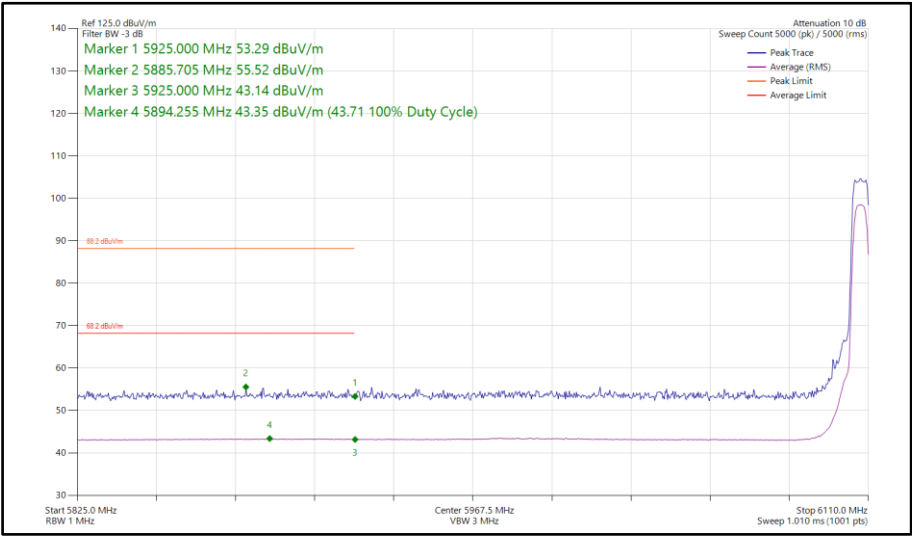


**Figure 303 - XHDRPM8, SISO, Core 1 - 6107 MHz
Band Edge Frequency 5925 MHz**

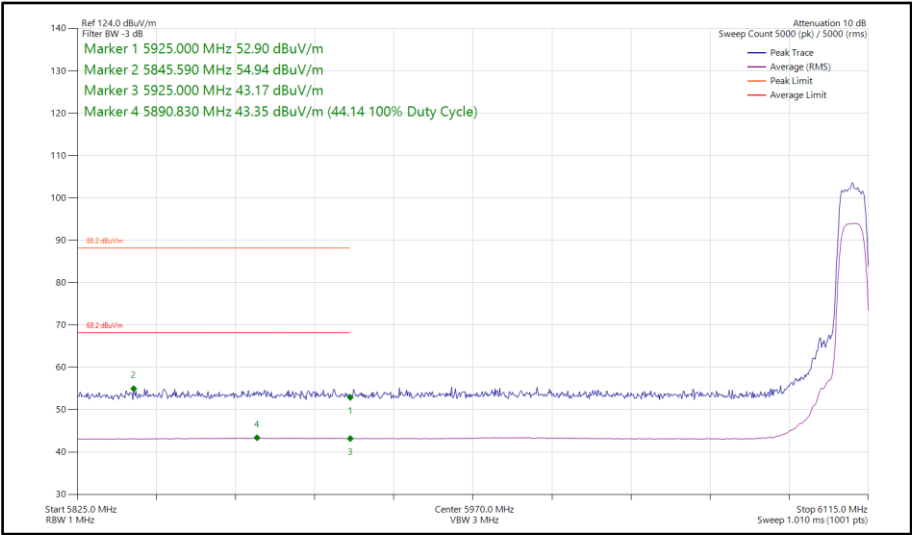


**Figure 304 - XHDRPL24, SISO, Core 1 - 6109 MHz
Band Edge Frequency 5925 MHz**

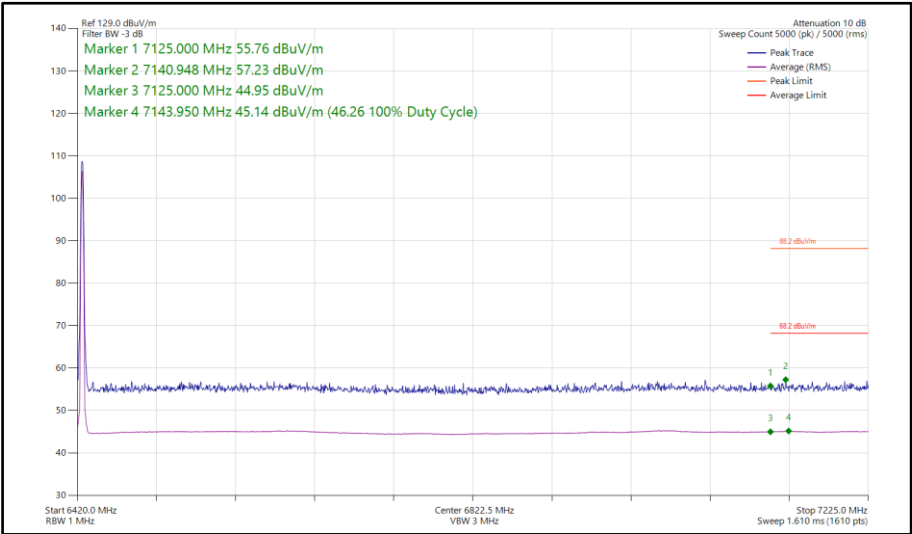


Figure 305 - DH5, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

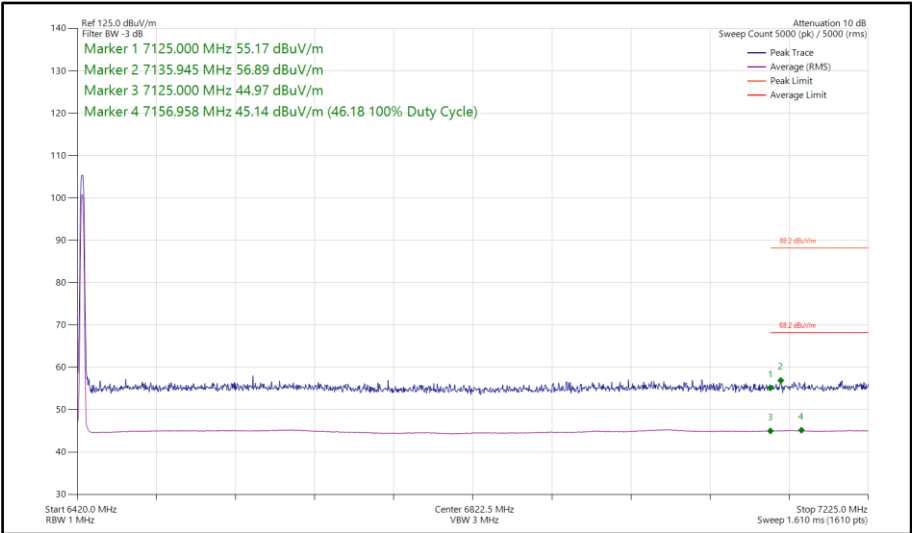


Figure 306 - HDR4, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz



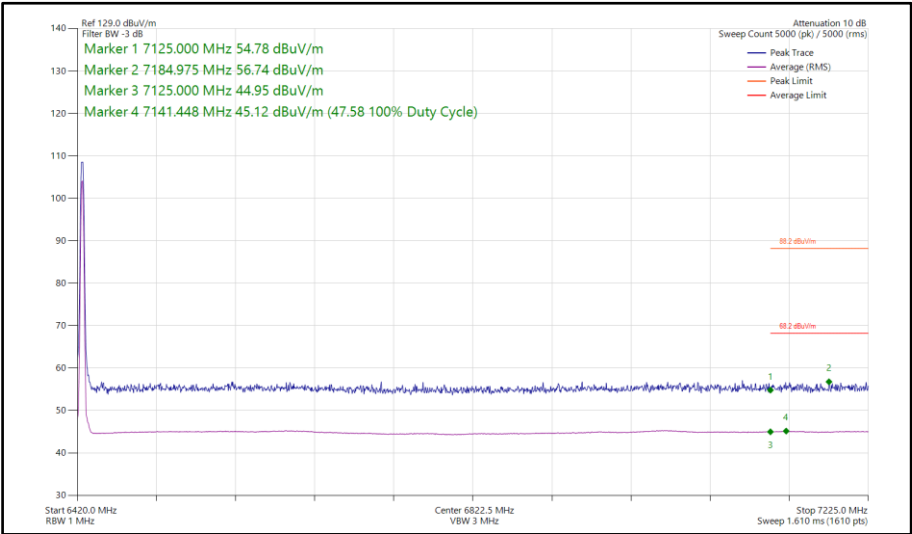


Figure 309 - LE2M, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

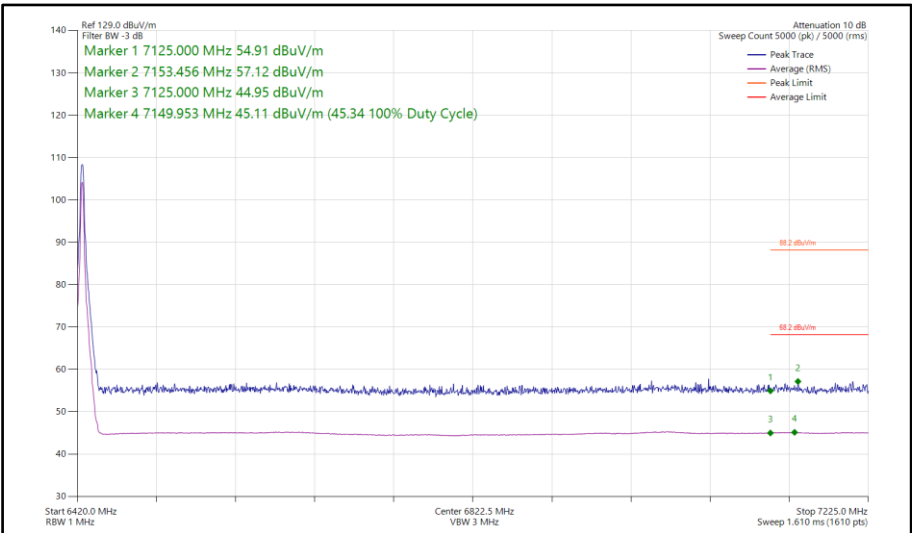


Figure 310 - HDT3, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

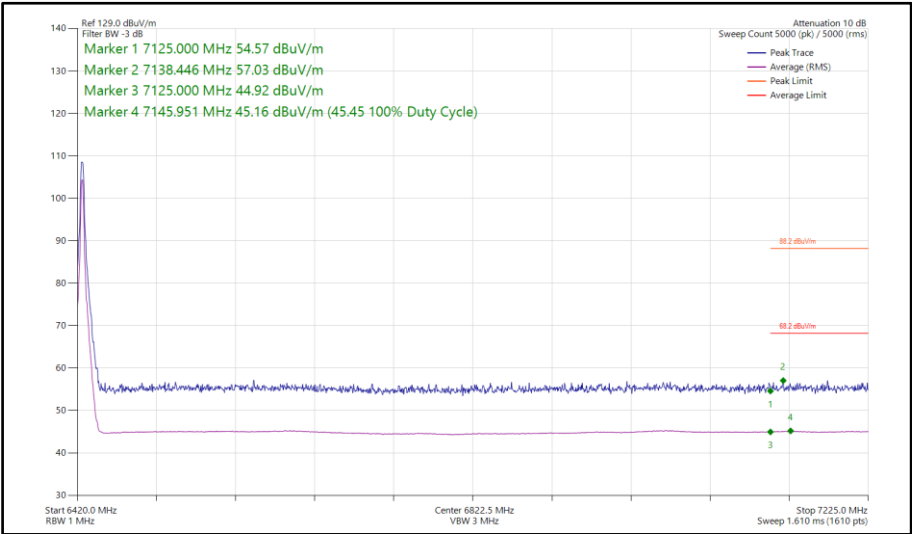


**Figure 311 - HDT4, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz**

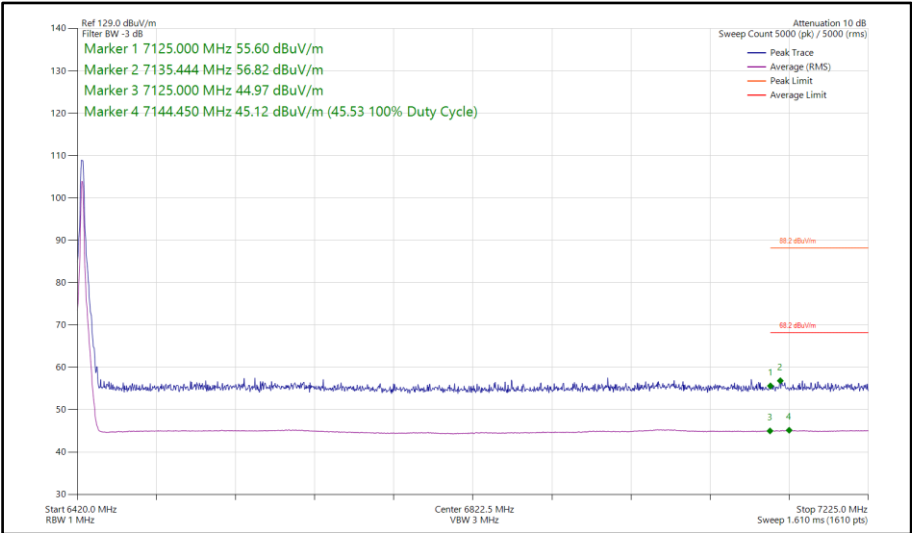


**Figure 312 - HDT6, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz**

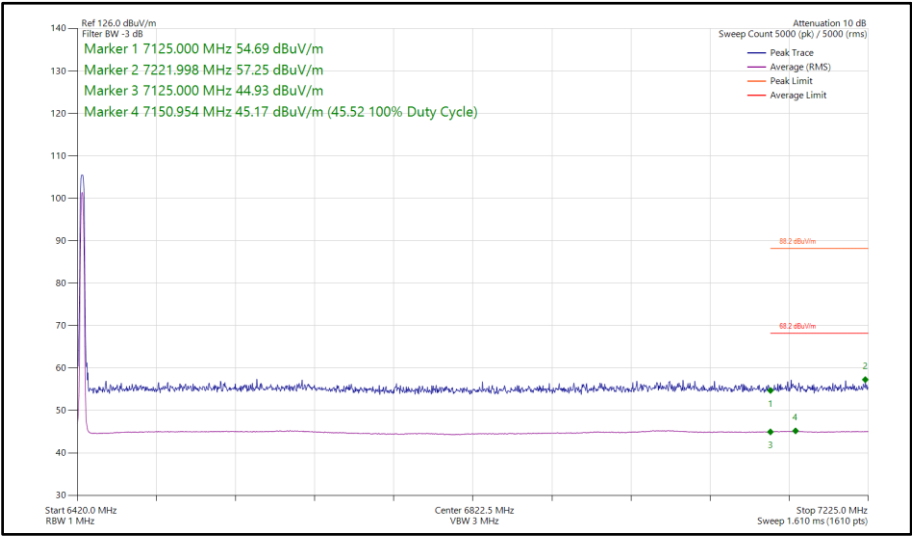


Figure 313 - HDRPS2, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

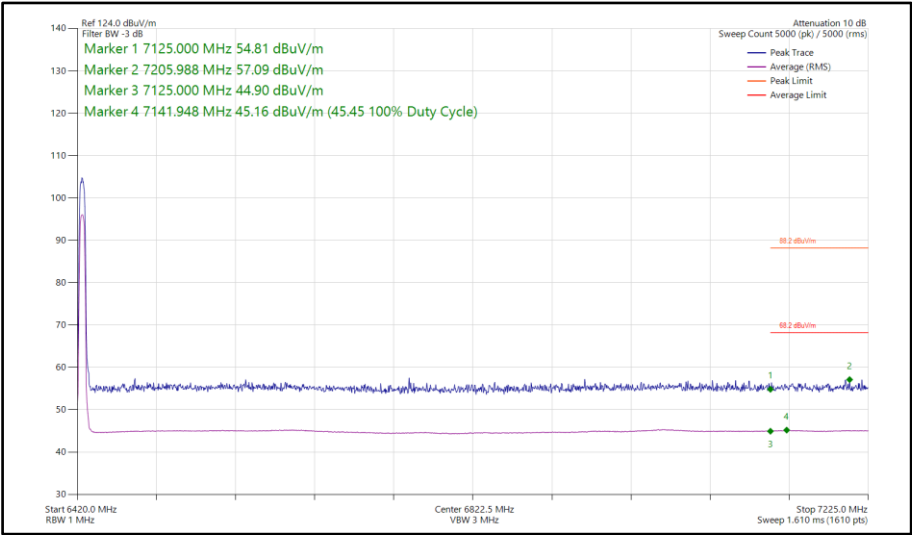


Figure 314 - HDRPM12, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

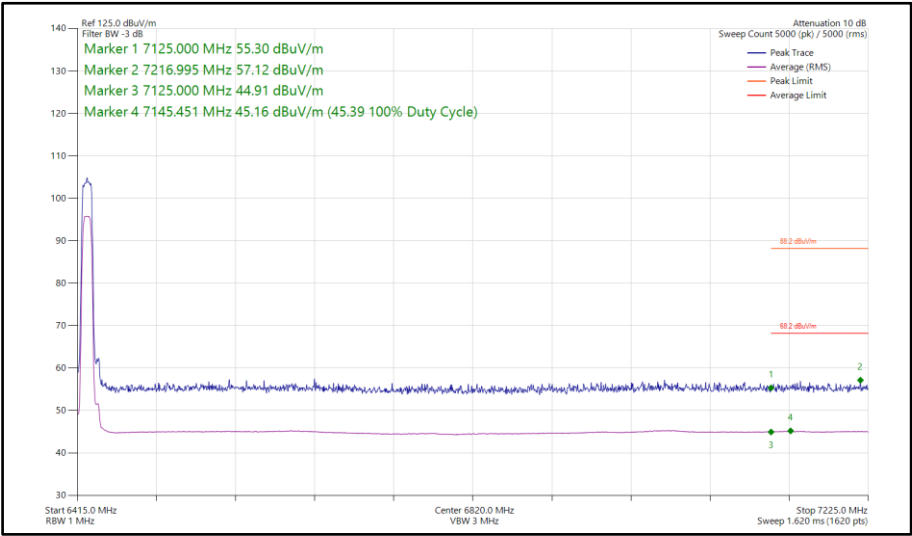


Figure 315 - HDRPL8, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

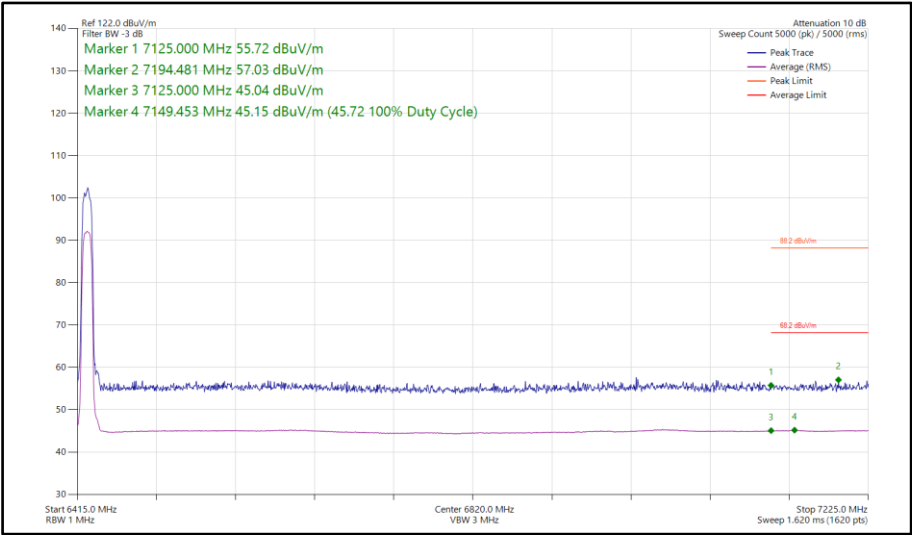


Figure 316 - HDRPL24, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

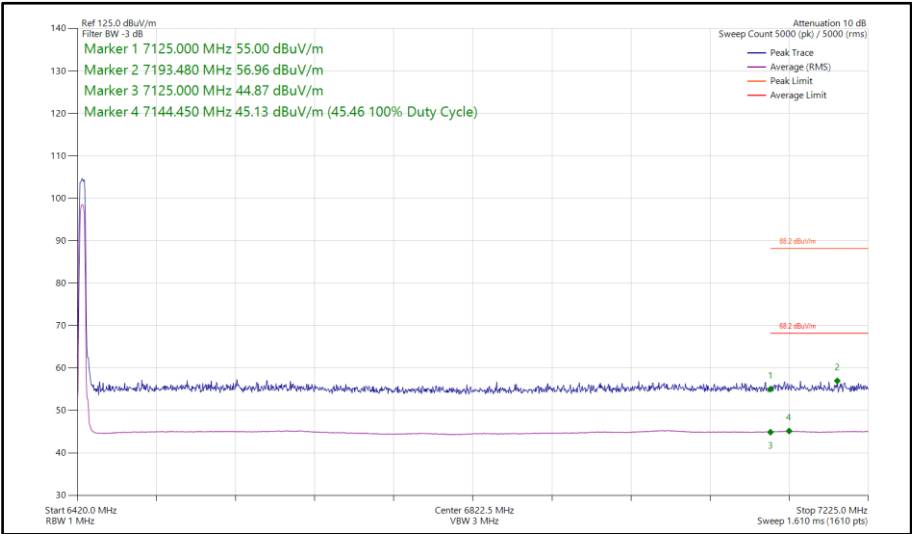


**Figure 317 - XHDRPM8, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz**

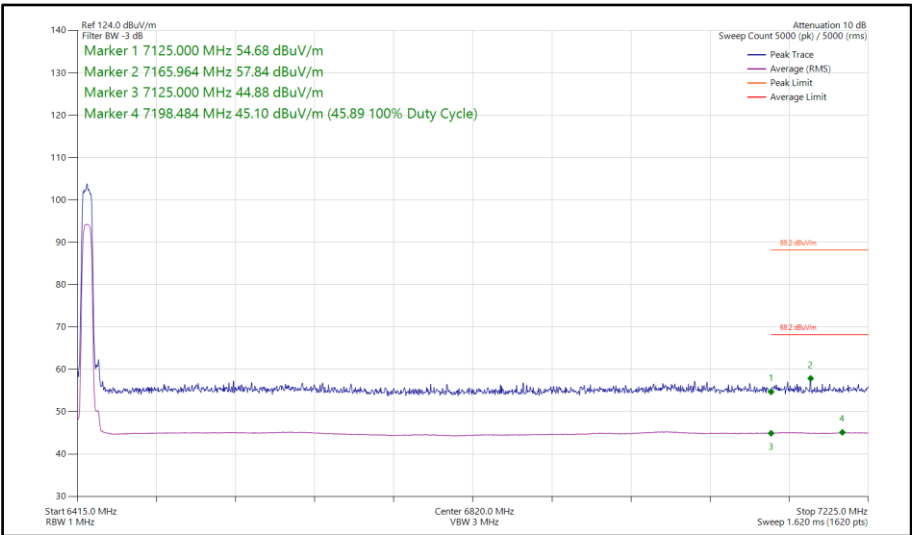


**Figure 318 - XHDRPL24, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz**



iPA - Core 0-1 (MIMO)

Mode	Packet Type	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBuV/m)
Static	DH5	6106	5925	55.20	44.51
Static	HDR4	6106	5925	55.58	44.41
Static	HDR8	6106	5925	55.09	44.43
Static	LE1M	6106	5925	55.86	44.06
Static	LE2M	6106	5925	55.09	45.76
Static	HDT3	6106	5925	55.14	43.55
Static	HDT4	6106	5925	55.73	43.65
Static	HDT6	6106	5925	55.64	43.79
Static	HDRPS2	6106	5925	55.34	43.65
Static	HDRPM12	6107	5925	55.40	43.65
Static	HDRPL8	6109	5925	55.20	43.61
Static	HDRPL24	6109	5925	55.81	43.91
Static	XHDRPM8	6107	5925	55.27	43.68
Static	XHDRPL24	6109	5925	55.30	44.13
Static	DH5	6425	7125	56.96	46.22
Static	HDR4	6425	7125	58.00	46.20
Static	HDR8	6425	7125	56.85	46.18
Static	LE1M	6425	7125	56.94	45.81
Static	LE2M	6425	7125	57.21	47.55
Static	HDT3	6425	7125	57.04	45.34
Static	HDT4	6425	7125	57.04	45.46
Static	HDT6	6425	7125	57.01	45.52
Static	HDRPS2	6425	7125	57.50	45.48
Static	HDRPM12	6425	7125	56.90	45.39
Static	HDRPL8	6425	7125	56.60	45.35
Static	HDRPL24	6425	7125	57.17	45.67
Static	XHDRPM8	6425	7125	56.81	45.49
Static	XHDRPL24	6425	7125	56.74	45.93

Table 205 - MIMO Authorised Band Edge Results

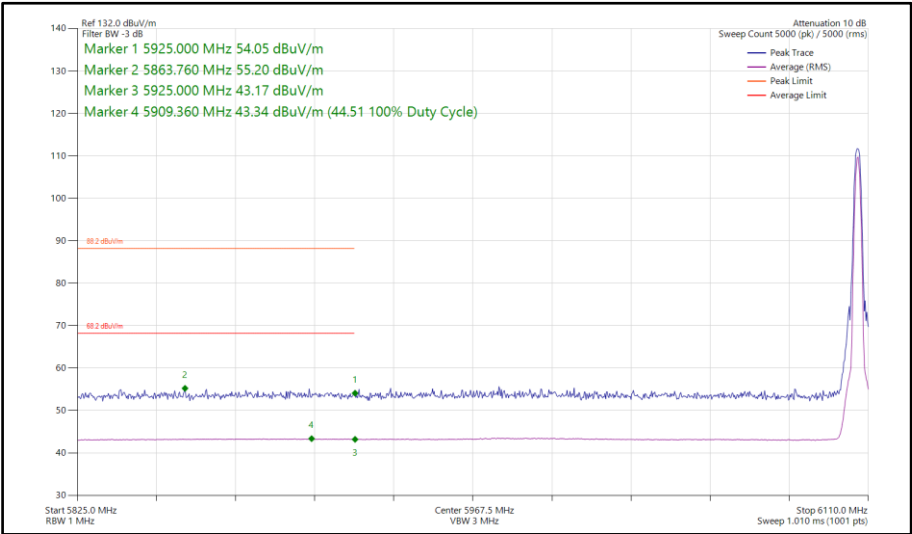


Figure 319 - DH5, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

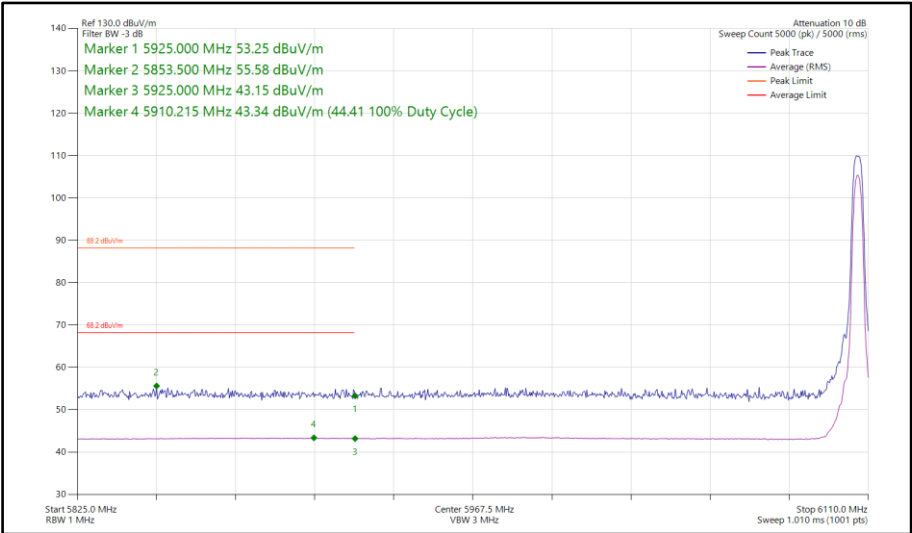


Figure 320 - HDR4, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

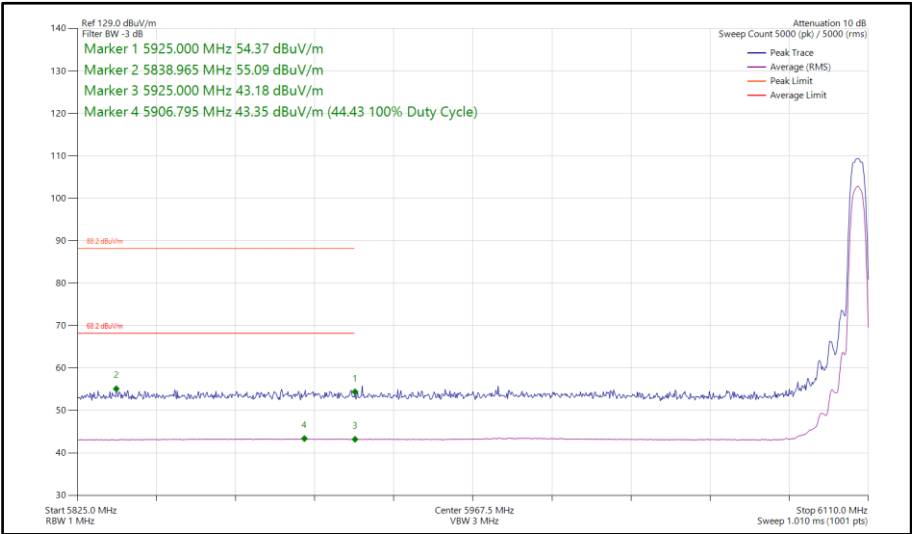


**Figure 321 - HDR8, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz**

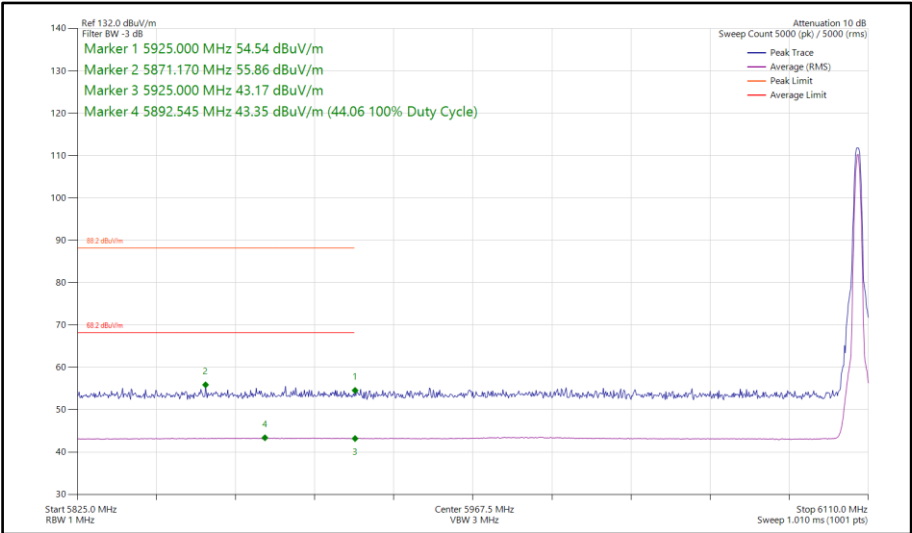


**Figure 322 - LE1M, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz**

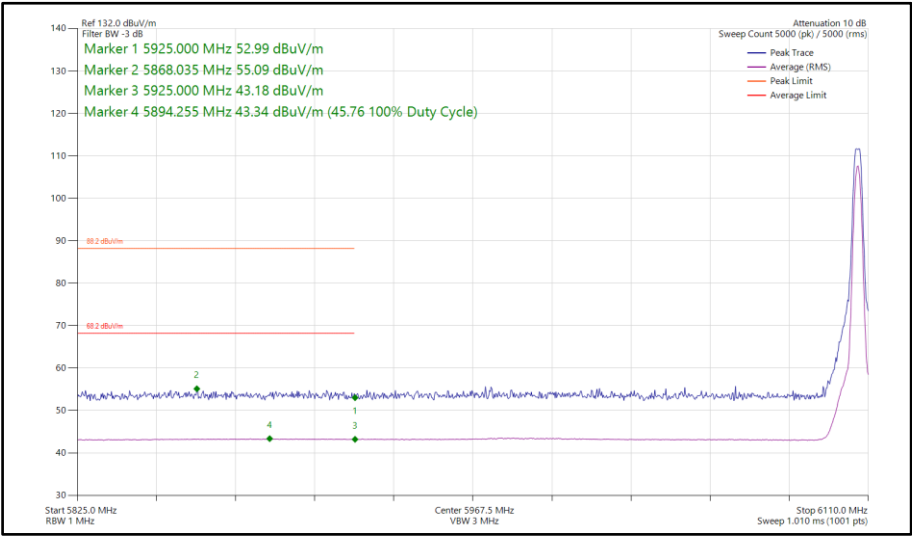


**Figure 323 - LE2M, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz**

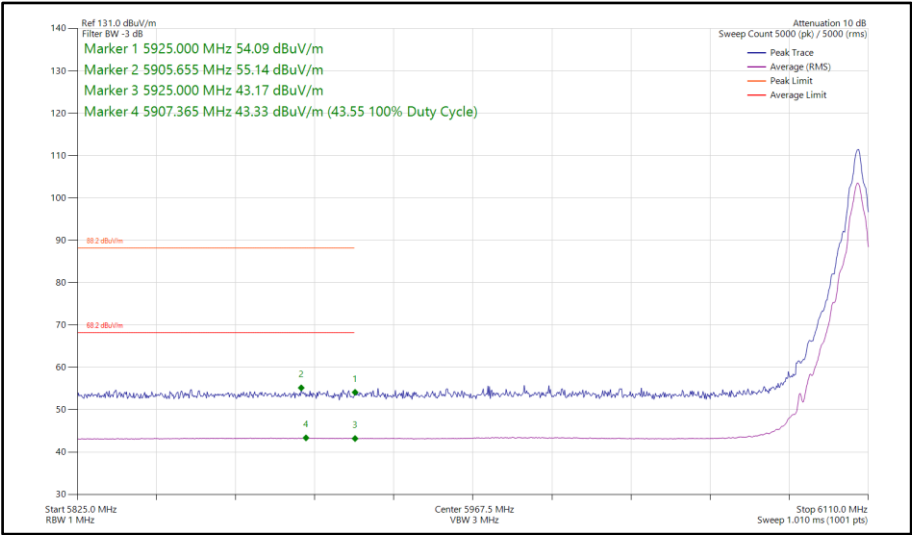


**Figure 324 - HDT3, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz**

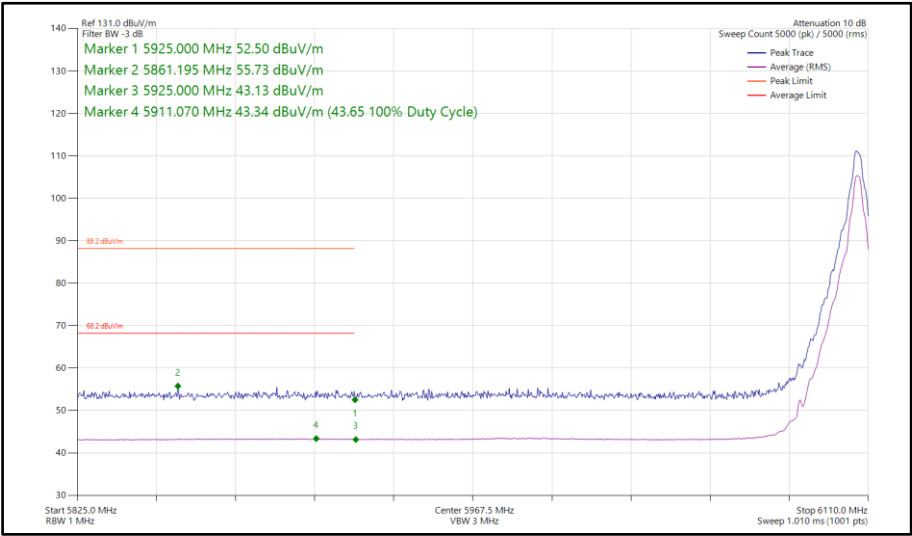


**Figure 325 - HDT4, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz**

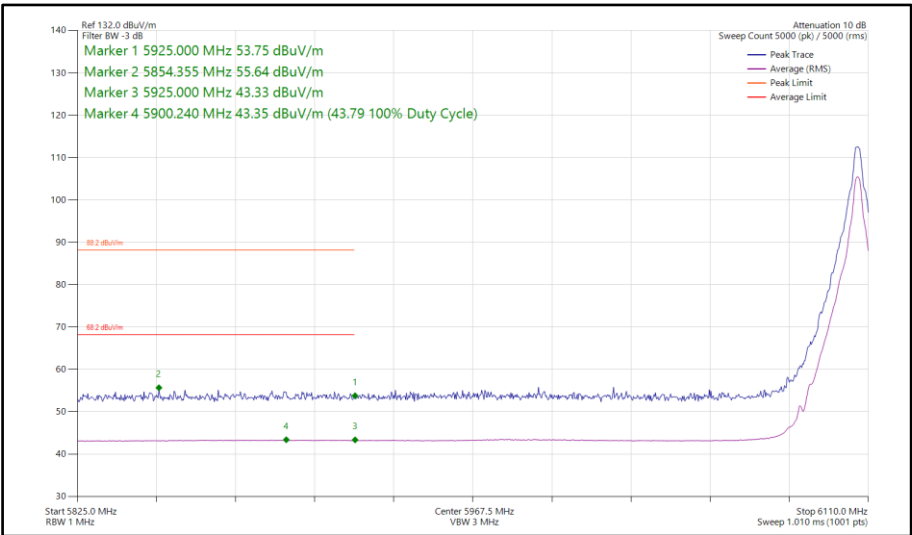


**Figure 326 - HDT6, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz**

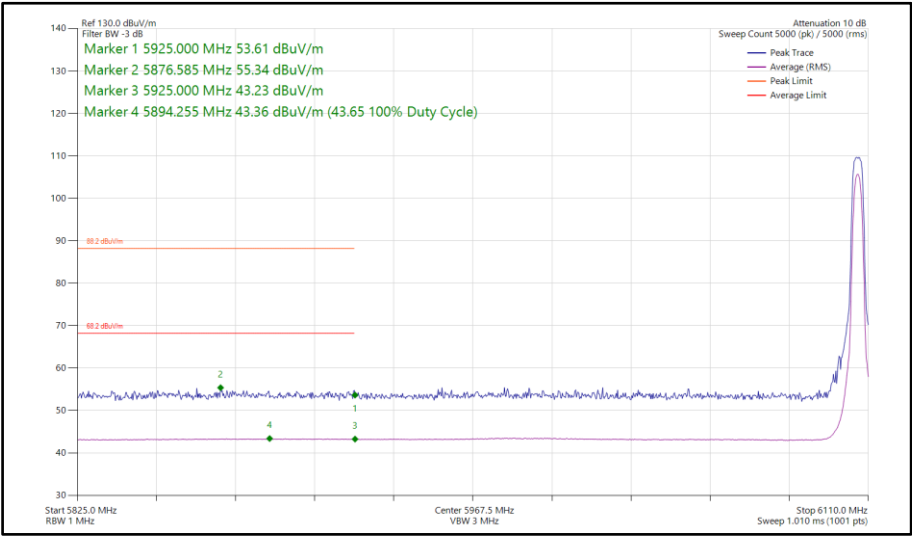


Figure 327 - HDRPS2, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

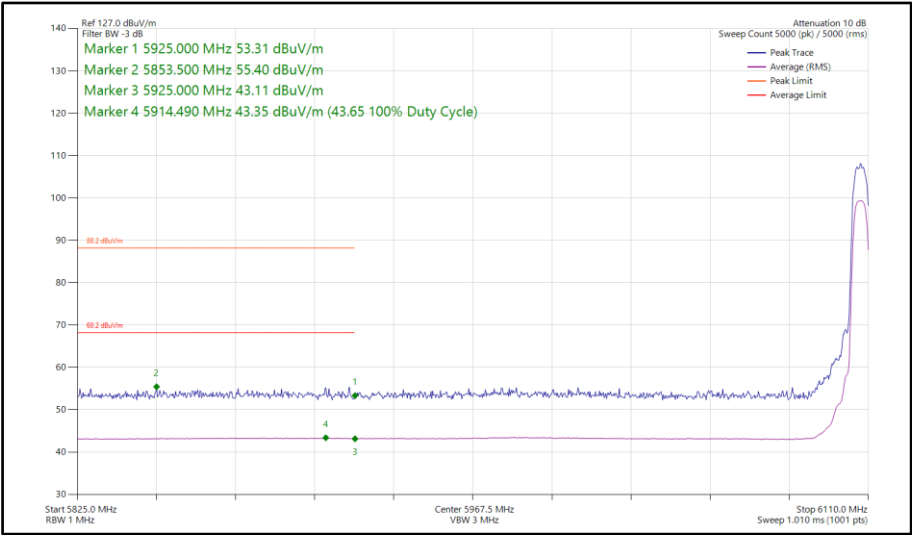


Figure 328 - HDRPM12, MIMO, Core 0-1 - 6107 MHz
Band Edge Frequency 5925 MHz