



FCC 47 CFR Part 15E, Limit Clause 15.407(a)(9)

For very low power devices operating in the 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed -5 dBm e.i.r.p in any 1-megahertz band and the maximum e.i.r.p must not exceed 14 dBm.

ISED RSS-248, Limit Clause 4.5.3

The following limits shall apply to very low-power devices.

the maximum e.i.r.p. spectral density shall not exceed -5 dBm/MHz; and
the maximum e.i.r.p. shall not exceed 14 dBm.

2.3.7 Test Location and Test Equipment Used

This test was carried out in EMC Laboratory 2

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
AC Programmable Power Supply	iTech	IT7324	5225	-	O/P Mon
Humidity & Temperature meter	R.S Components	1364	6148	12	28-Aug-2026
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6350	12	02-Sep-2026
MXA Signal Analyser	Keysight Technologies	N9020B	6417	24	14-Oct-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6530	12	23-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6639	12	29-Aug-2026
Humidity & Temperature meter	Fluke	971	7103	12	05-Aug-2026

Table 202

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

A3426, S/N: FXXVQ1FY4C - Modification State 0

2.4.3 Date of Test

31-October-2025 to 02-November-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	23.6 - 24.6 °C
Relative Humidity	43.3 - 49.2 %



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	53.68	43.51
Static	HDR4	6106	5925	54.02	43.43
Static	HDR8	6106	5925	53.96	43.43
Static	LE1M	6106	5925	54.52	43.09
Static	LE2M	6106	5925	54.00	44.80
Static	HDT3	6106	5925	54.29	42.57
Static	HDT4	6106	5925	55.93	42.63
Static	HDT6	6106	5925	54.26	42.75
Static	HDRPS2	6106	5925	54.52	42.73
Static	HDRPM12	6106	5925	54.54	42.62
Static	HDRPL8	6106	5925	54.44	42.54
Static	HDRPL24	6106	5925	53.63	42.92
Static	XHDRPM8	6106	5925	54.17	42.68
Static	XHDRPL24	6106	5925	54.33	43.15
Static	DH5	6425	7125	57.41	46.59
Static	HDR4	6425	7125	56.66	46.51
Static	HDR8	6425	7125	57.22	46.46
Static	LE1M	6425	7125	56.96	46.10
Static	LE2M	6425	7125	57.40	47.89
Static	HDT3	6425	7125	57.54	45.64
Static	HDT4	6425	7125	57.29	45.79
Static	HDT6	6425	7125	57.36	45.83
Static	HDRPS2	6425	7125	57.37	45.70
Static	HDRPM12	6425	7125	57.60	45.68
Static	HDRPL8	6425	7125	56.93	45.63
Static	HDRPL24	6425	7125	56.65	45.97
Static	XHDRPM8	6425	7125	57.66	45.73
Static	XHDRPL24	6425	7125	56.61	46.18

Table 203 - SISO Authorised Band Edge Results

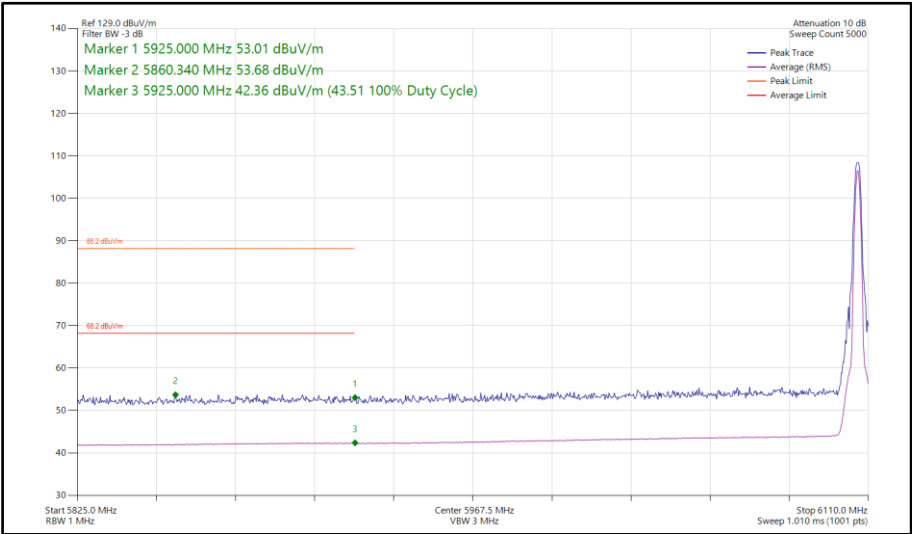


Figure 257 - DH5, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

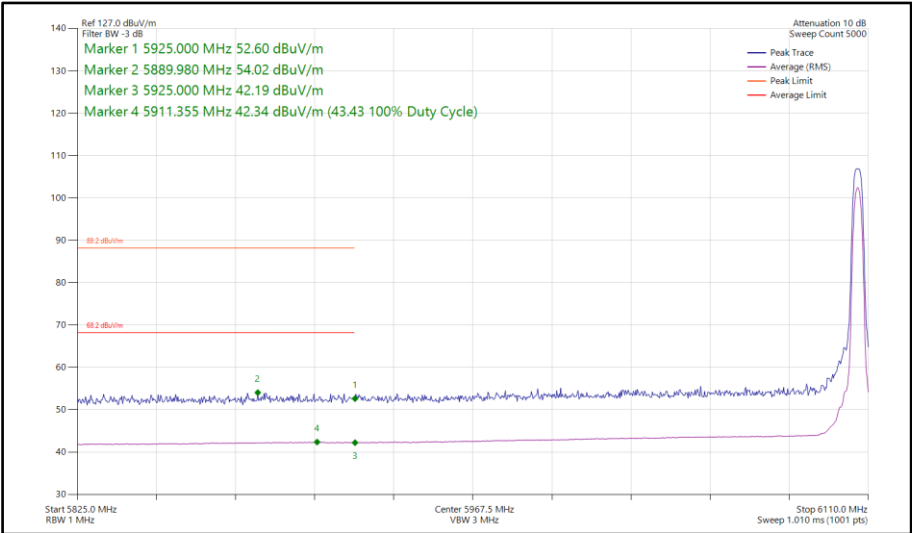


Figure 258 - HDR4, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

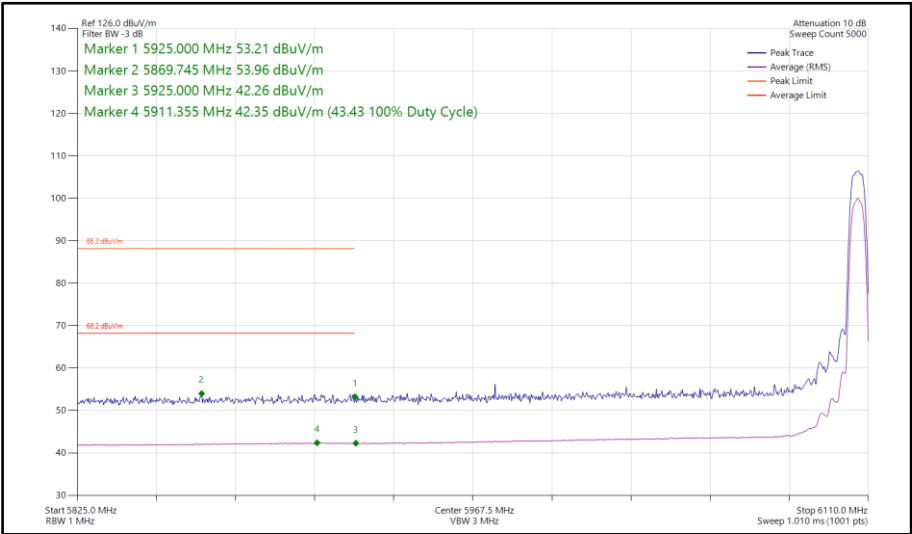


Figure 259 - HDR8, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

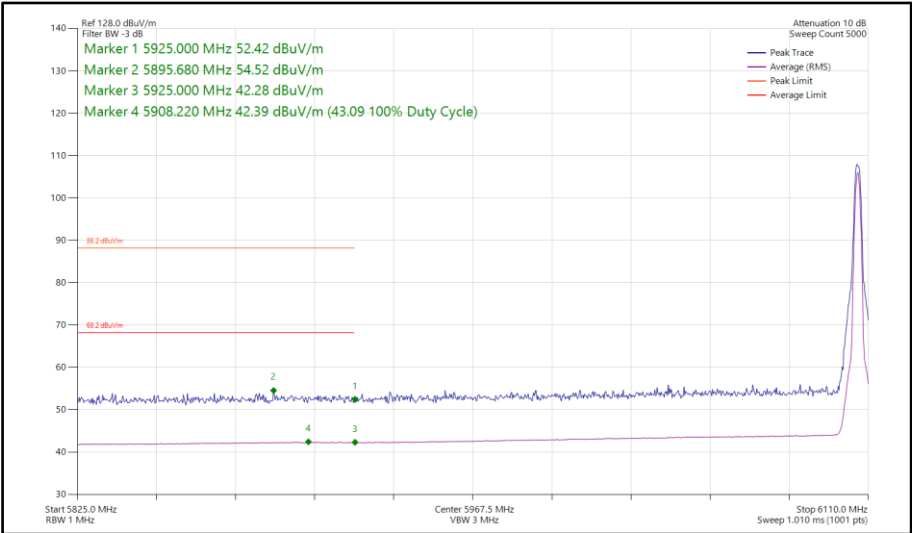


Figure 260 - LE1M, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

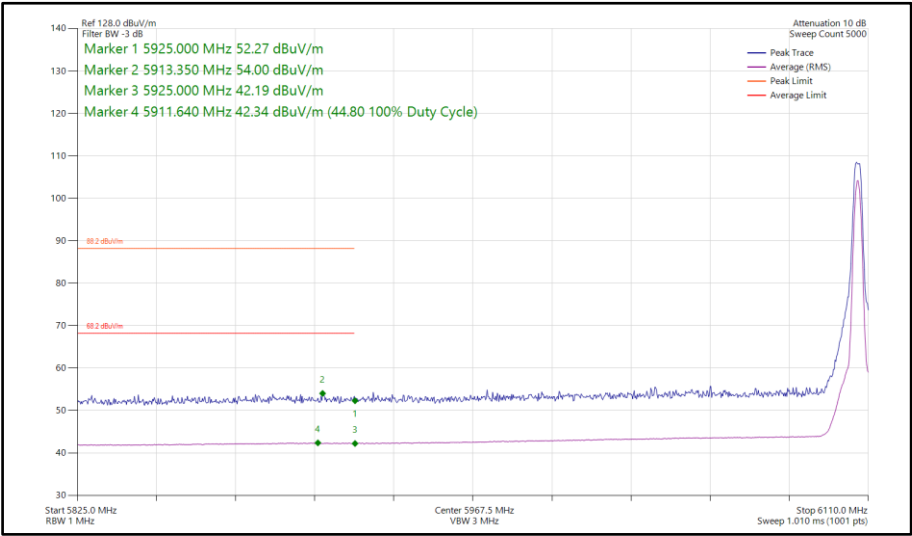


Figure 261 - LE2M, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

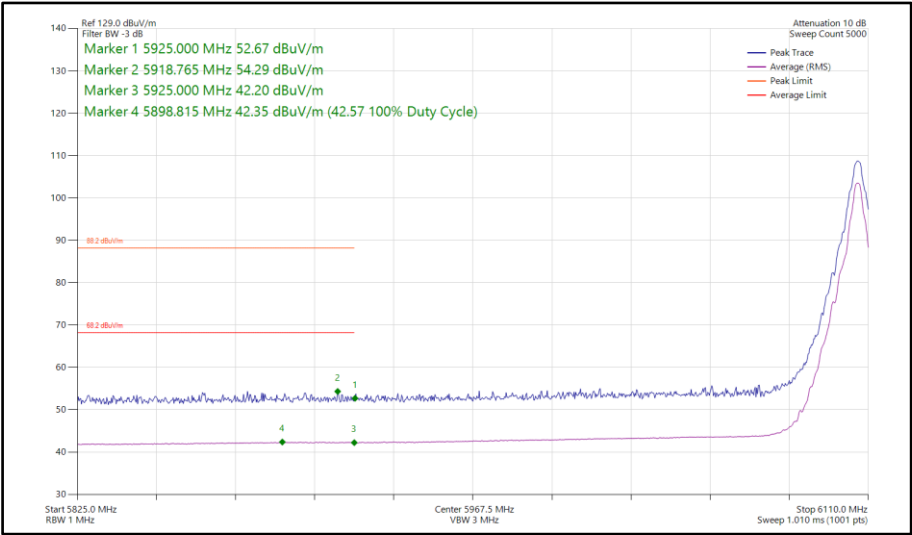


Figure 262 - HDT3, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

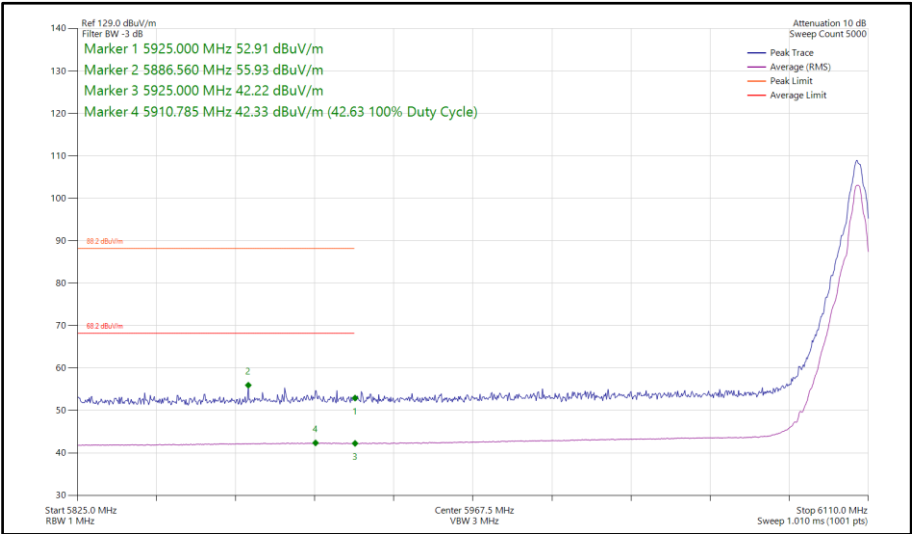


Figure 263 - HDT4, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

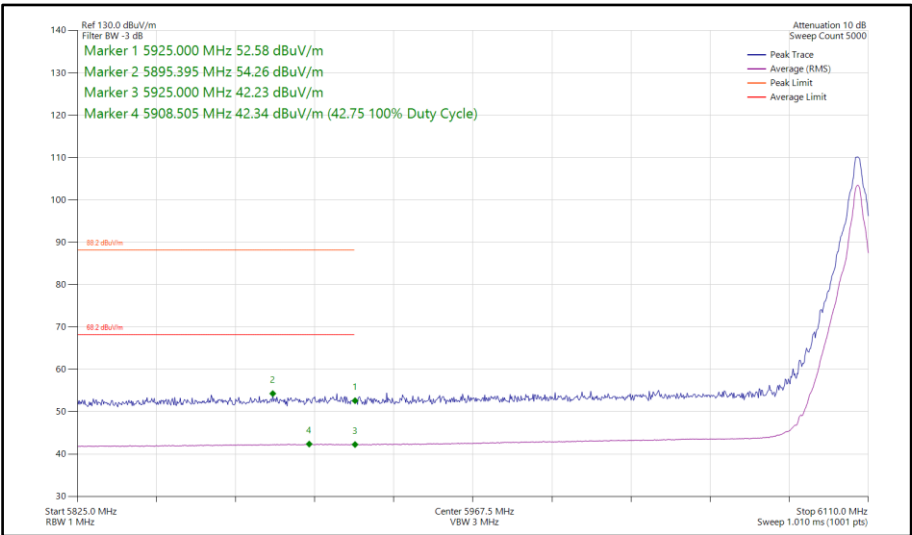


Figure 264 - HDT6, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

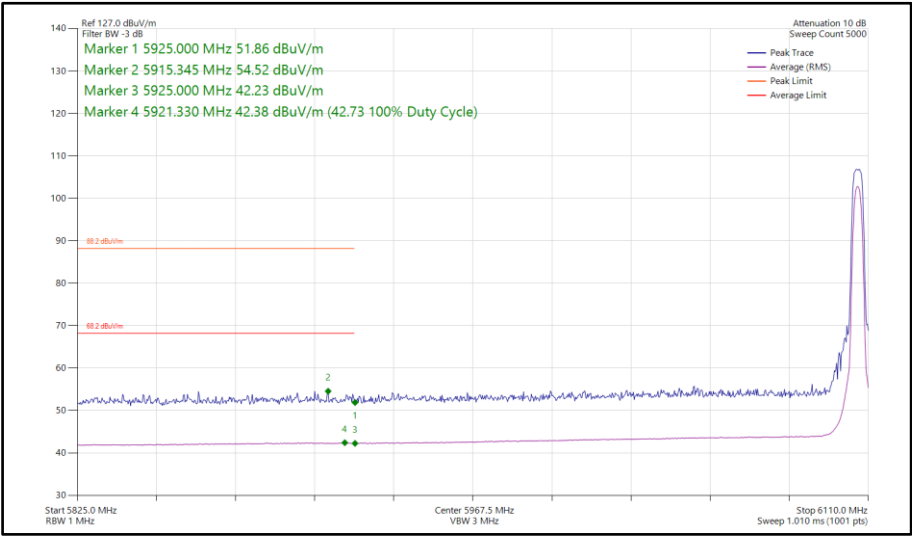


Figure 265 - HDRPS2, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

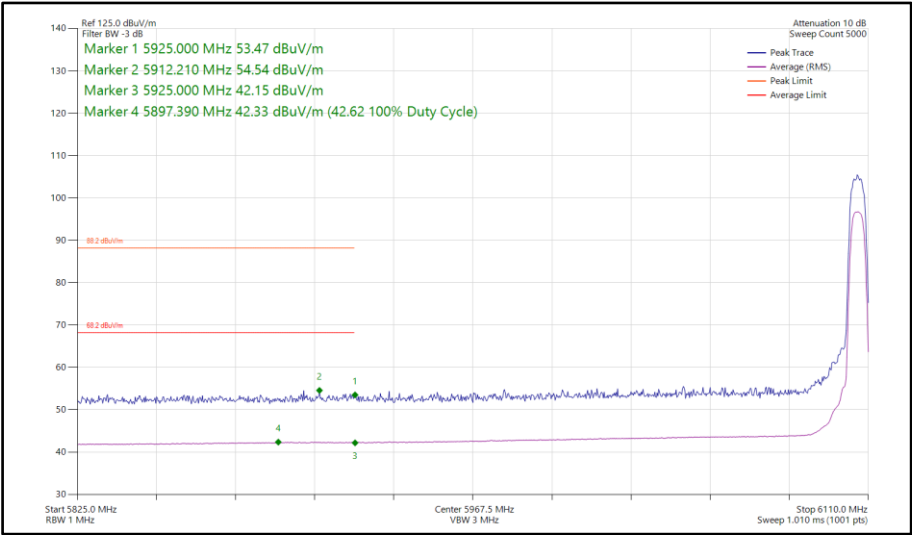


Figure 266 - HDRPM12, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

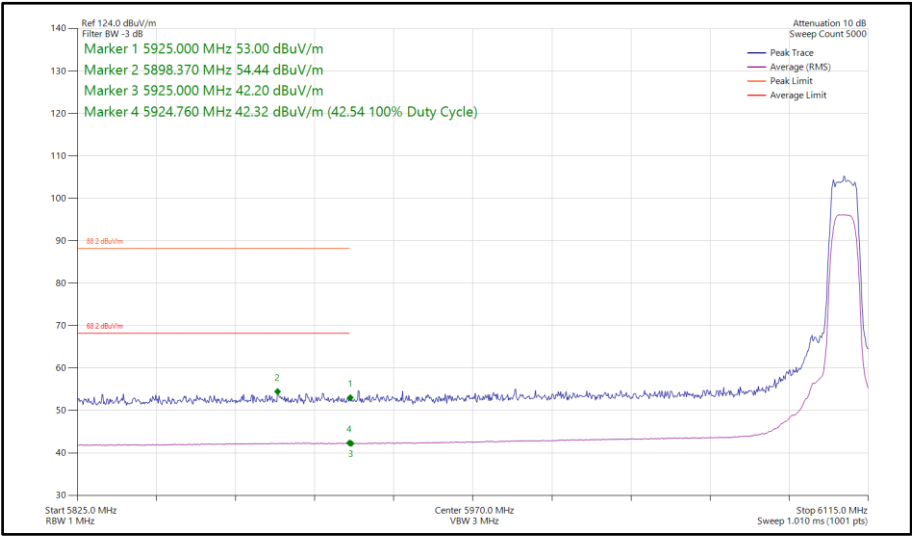


Figure 267 - HDRPL8, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

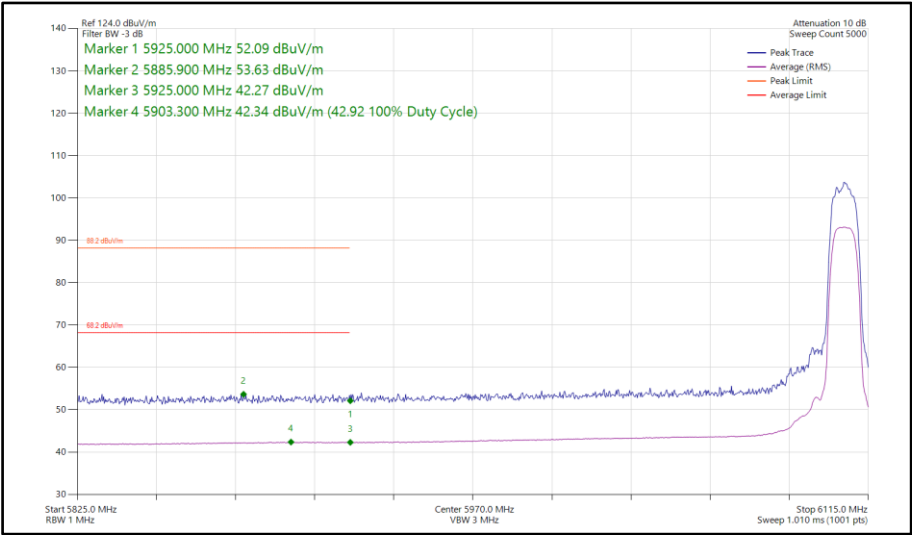


Figure 268 - HDRPL24, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

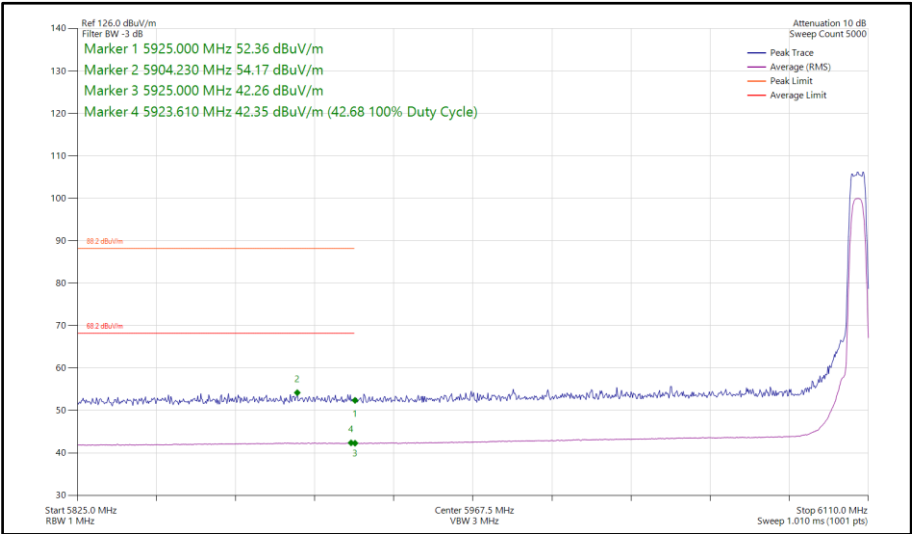


Figure 269 - XHDRPM8, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

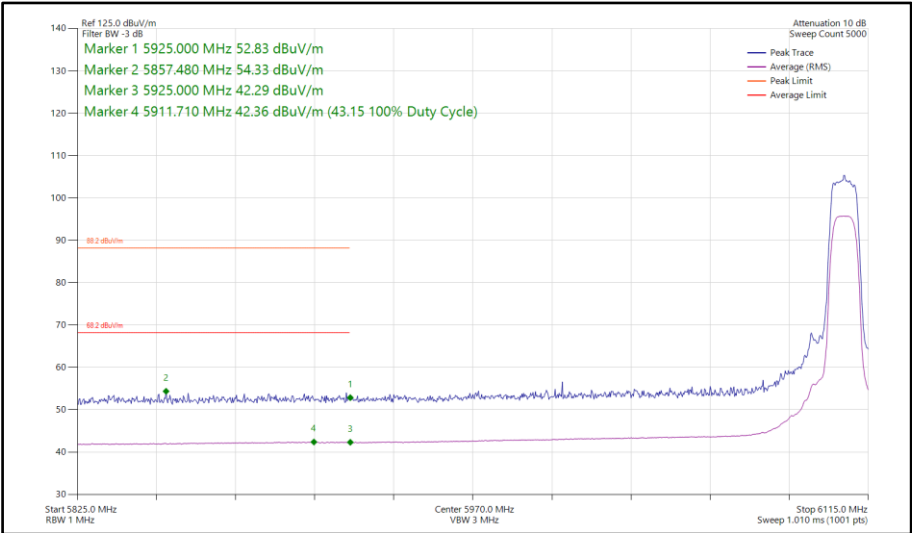


Figure 270 - XHDRPL24, SISO, Core 0 - 6106 MHz
Band Edge Frequency 5925 MHz

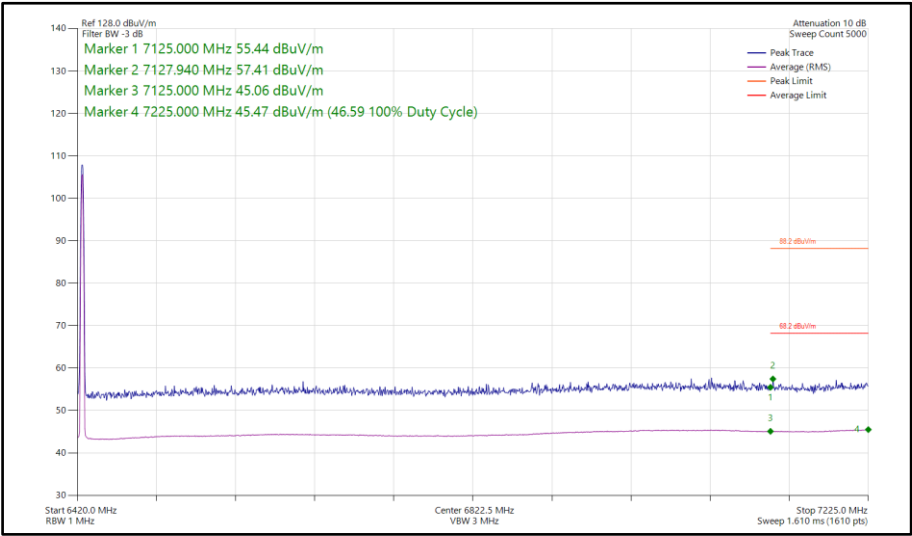


Figure 271 - DH5, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

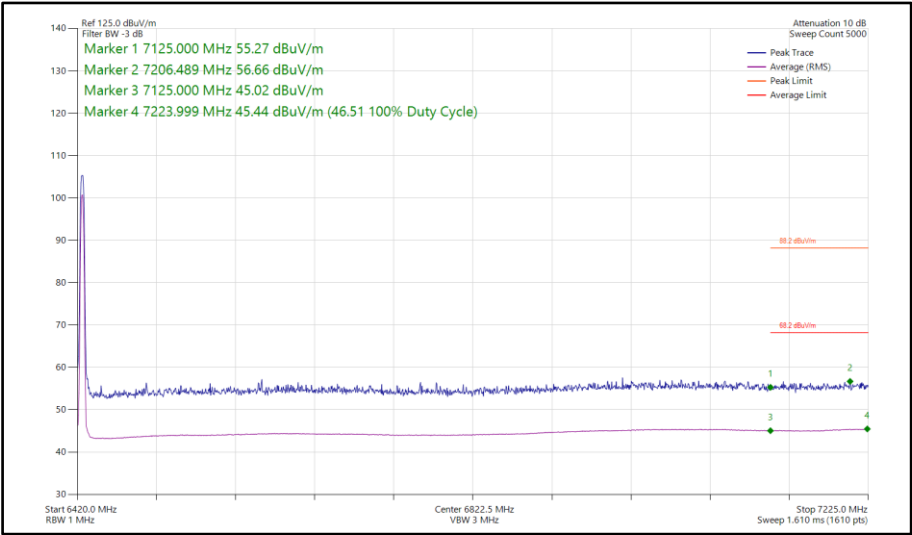


Figure 272 - HDR4, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

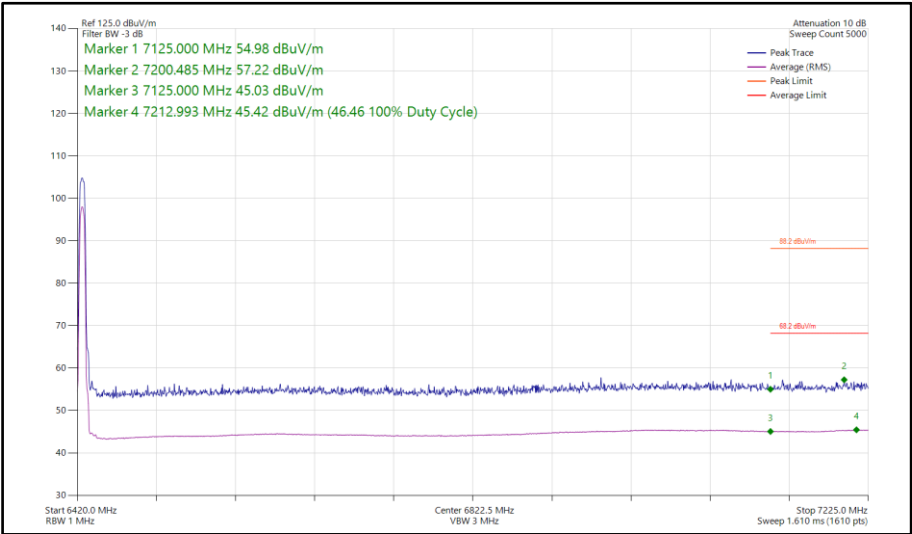


Figure 273 - HDR8, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

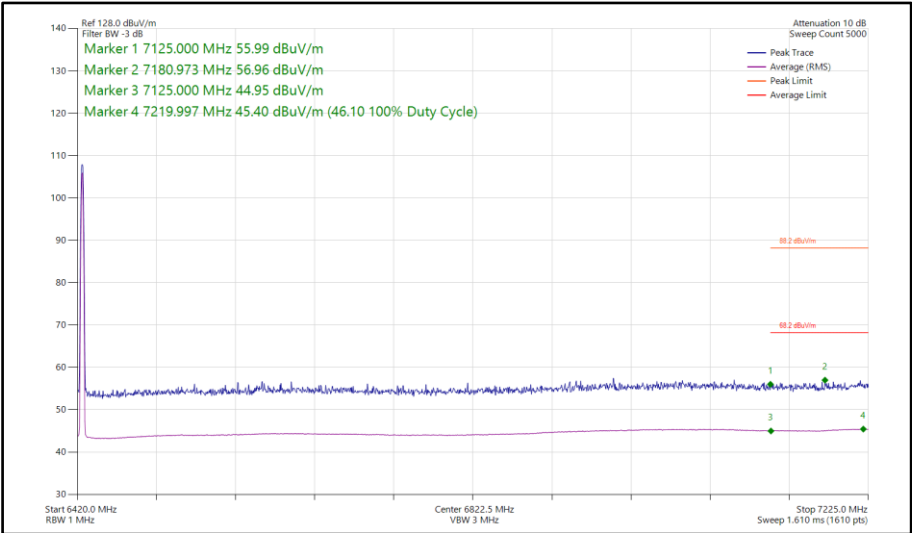


Figure 274 - LE1M, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

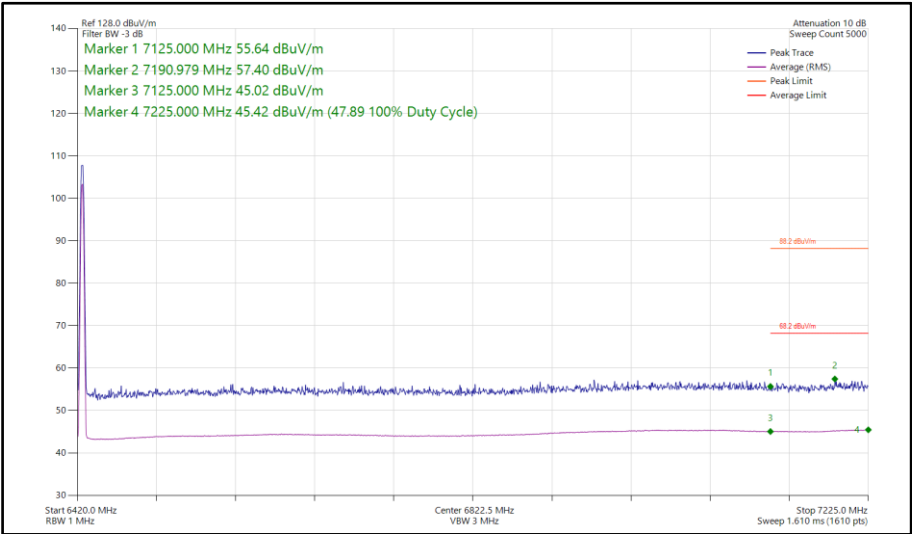


Figure 275 - LE2M, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

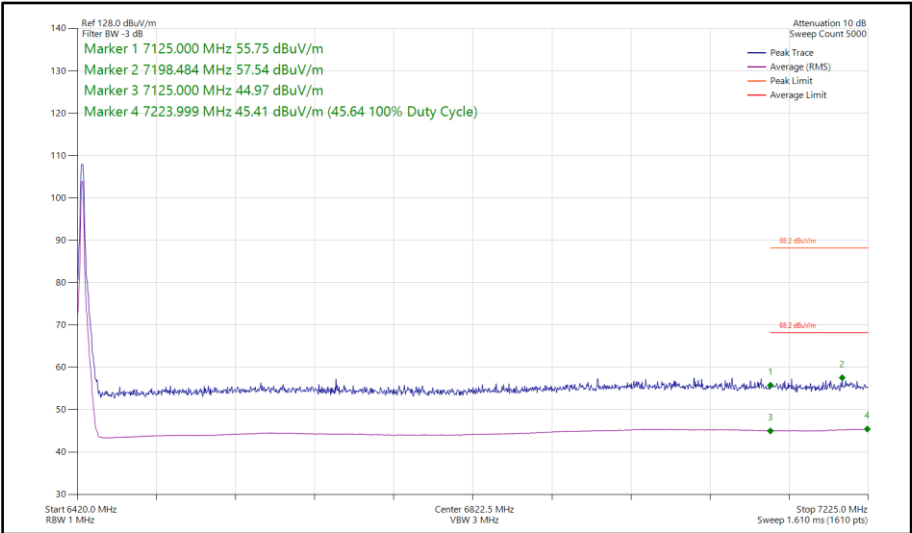


Figure 276 - HDT3, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

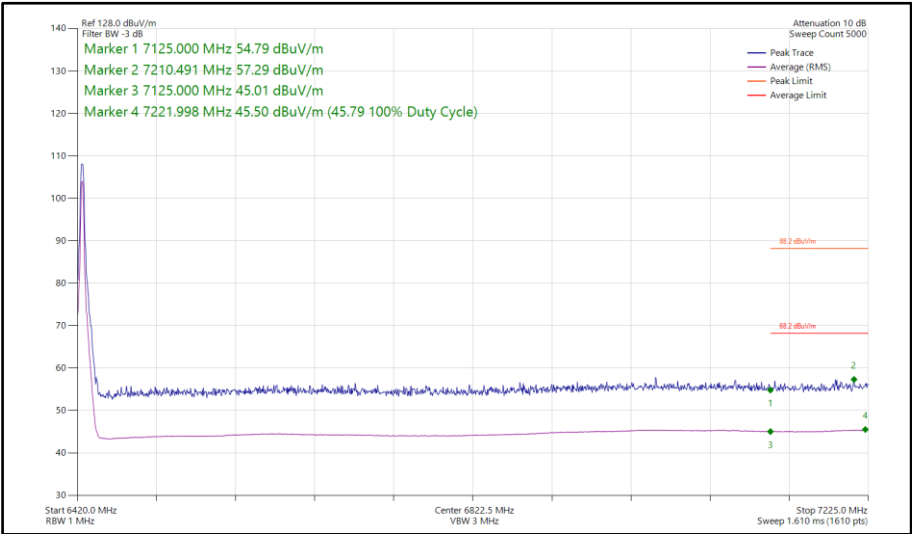


Figure 277 - HDT4, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

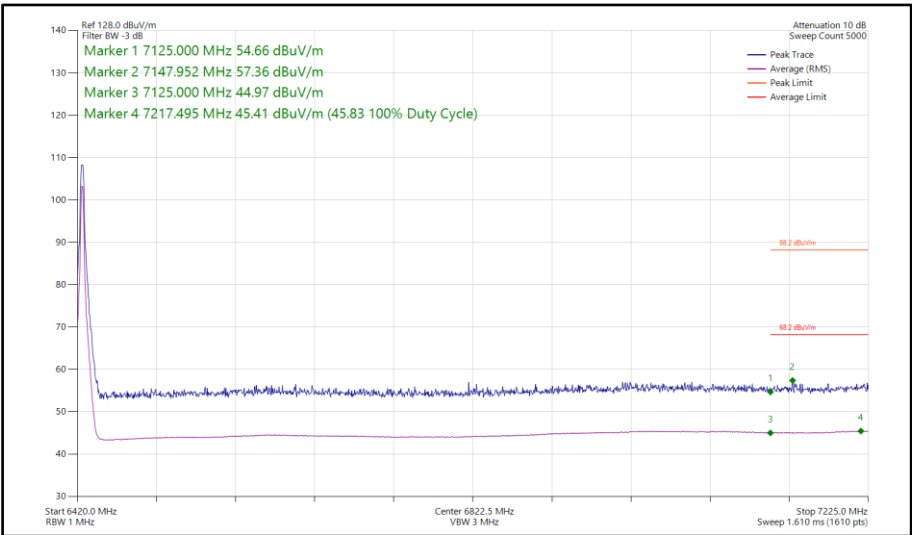


Figure 278 - HDT6, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

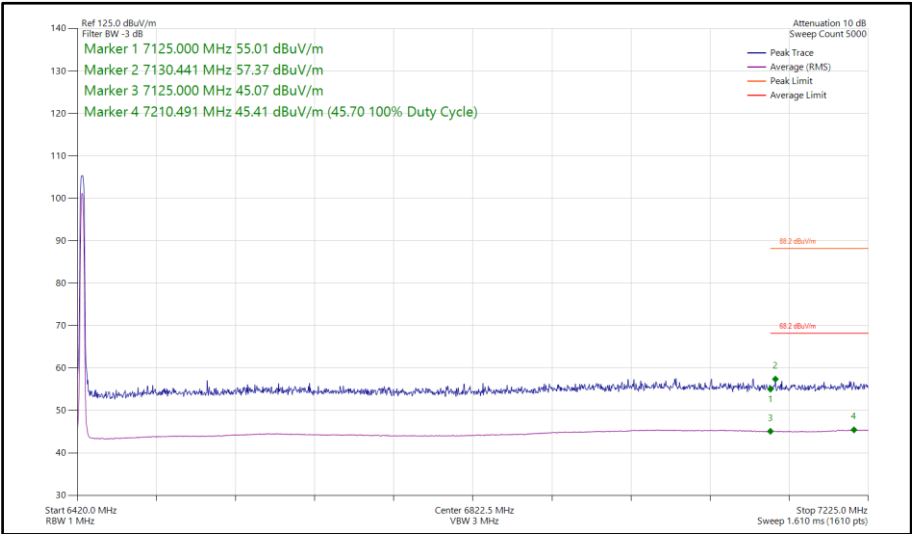


Figure 279 - HDRPS2, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

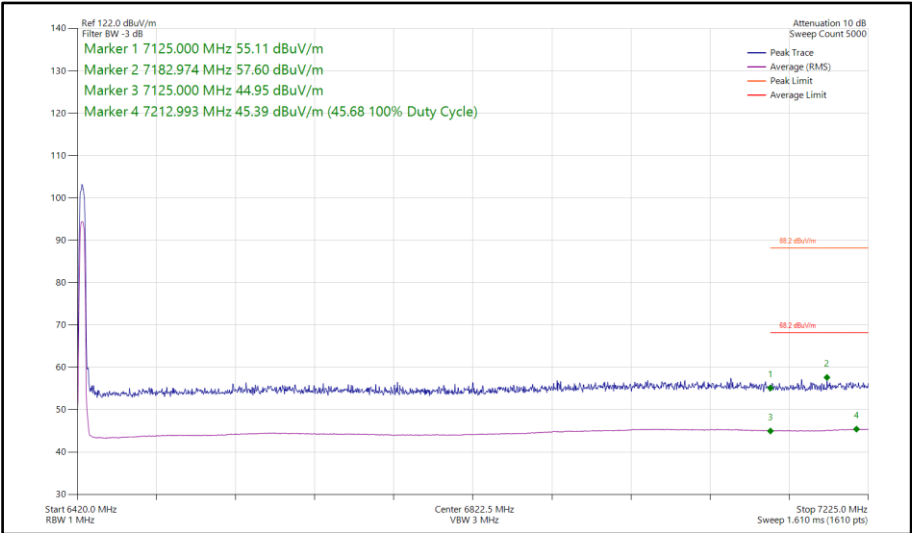


Figure 280 - HDRPM12, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

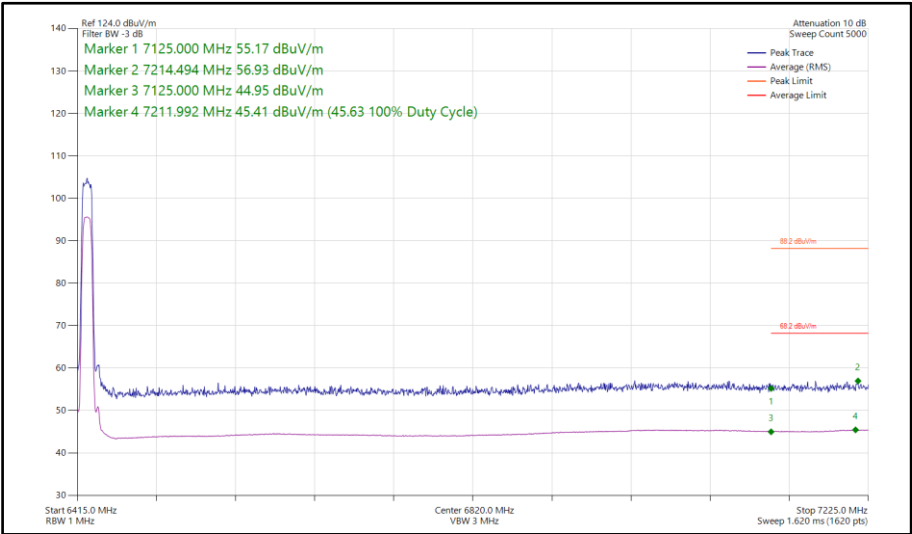


Figure 281 - HDRPL8, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

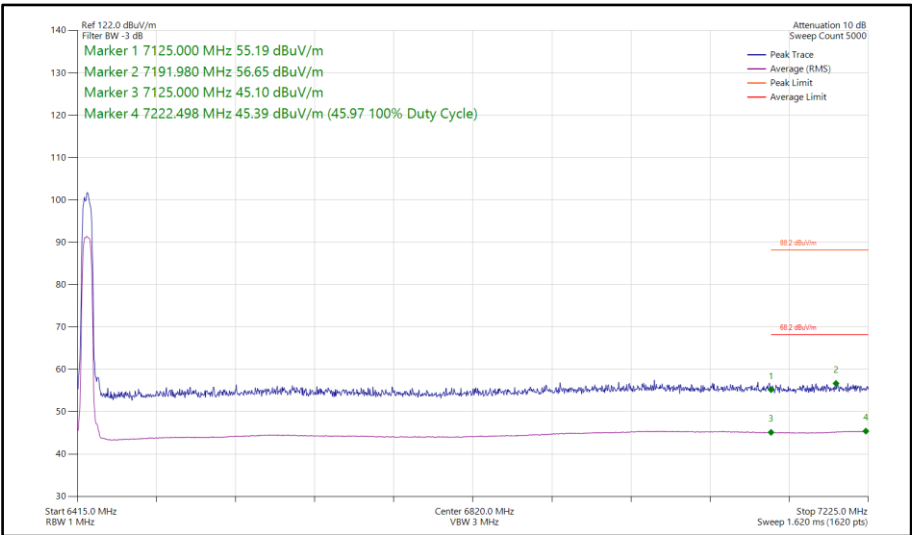


Figure 282 - HDRPL24, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

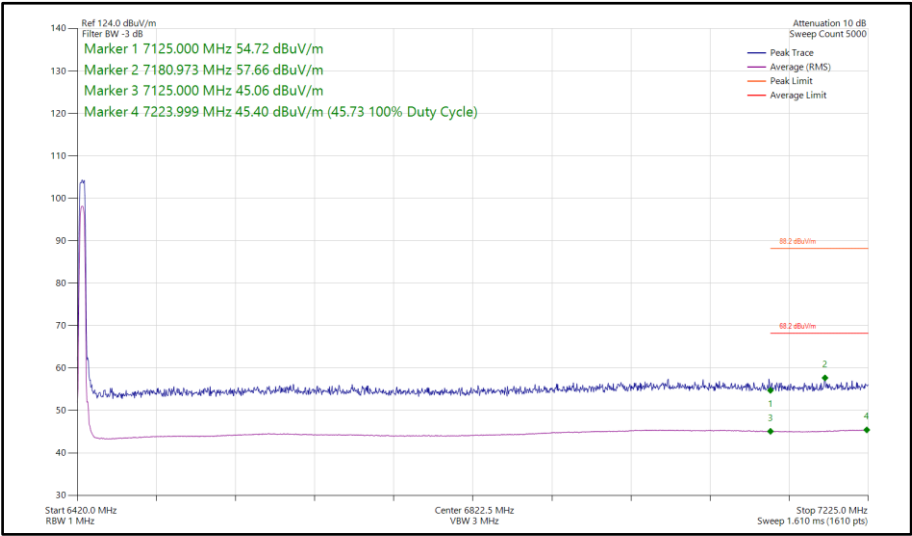


Figure 283 - XHDRPM8, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz

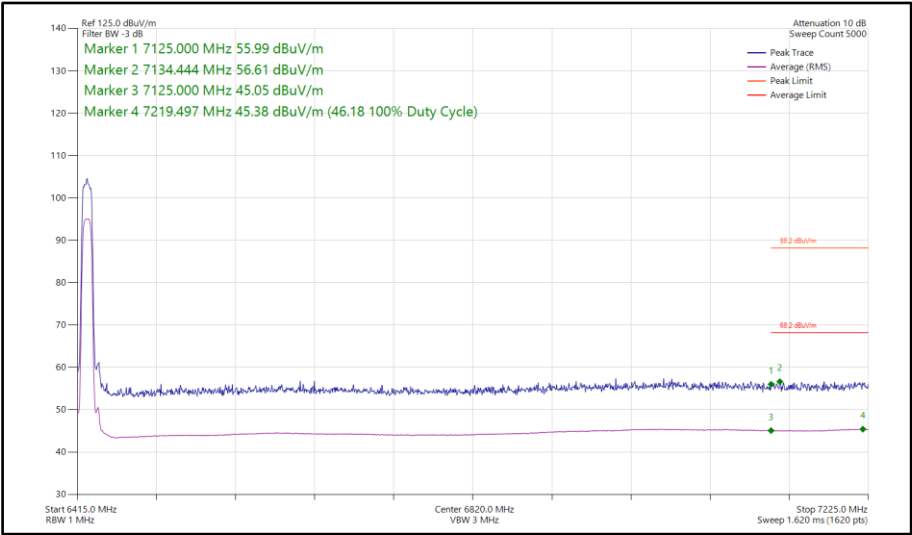


Figure 284 - XHDRPL24, SISO, Core 0 - 6425 MHz
Band Edge Frequency 7125 MHz



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	54.44	43.53
Static	HDR4	6106	5925	54.12	43.39
Static	HDR8	6106	5925	55.16	43.40
Static	LE1M	6106	5925	54.61	43.04
Static	LE2M	6106	5925	54.70	44.75
Static	HDT3	6106	5925	54.44	42.32
Static	HDT4	6106	5925	53.61	42.43
Static	HDT6	6106	5925	54.26	42.51
Static	HDRPS2	6106	5925	54.06	42.68
Static	HDRPM12	6106	5925	53.79	42.38
Static	HDRPL8	6106	5925	54.00	42.28
Static	HDRPL24	6106	5925	54.72	42.94
Static	XHDRPM8	6106	5925	54.23	42.68
Static	XHDRPL24	6106	5925	54.17	43.15
Static	DH5	6425	7125	57.61	46.51
Static	HDR4	6425	7125	57.83	46.50
Static	HDR8	6425	7125	57.00	46.49
Static	LE1M	6425	7125	56.72	46.12
Static	LE2M	6425	7125	57.15	47.82
Static	HDT3	6425	7125	57.37	45.63
Static	HDT4	6425	7125	57.23	45.71
Static	HDT6	6425	7125	57.39	45.84
Static	HDRPS2	6425	7125	57.00	45.72
Static	HDRPM12	6425	7125	57.10	45.71
Static	HDRPL8	6425	7125	57.42	45.59
Static	HDRPL24	6425	7125	57.75	45.98
Static	XHDRPM8	6425	7125	57.05	45.72
Static	XHDRPL24	6425	7125	57.13	46.22

Table 204 - SISO Authorised Band Edge Results

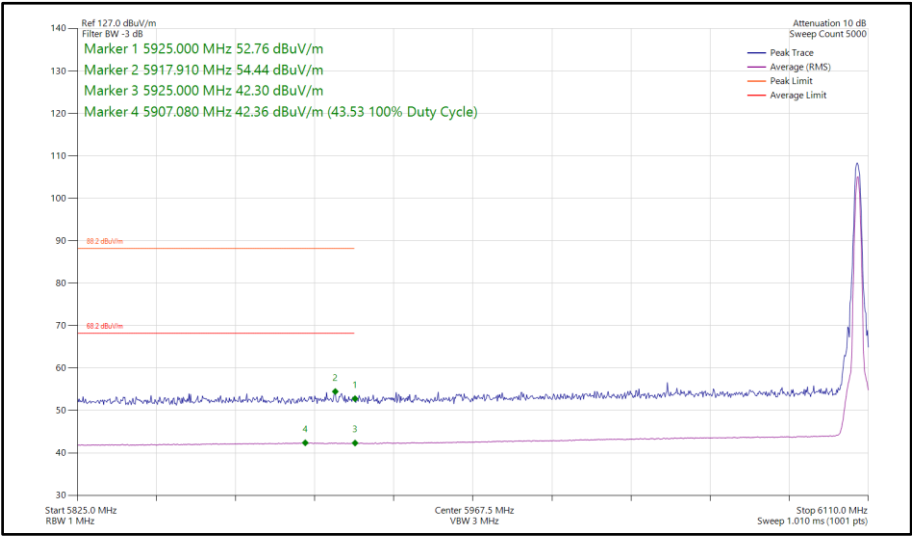


Figure 285 - DH5, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

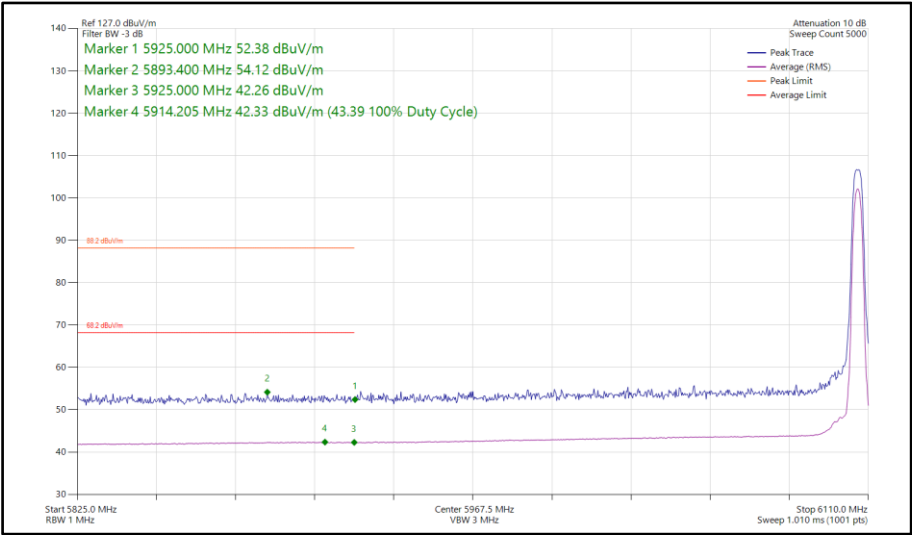


Figure 286 - HDR4, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

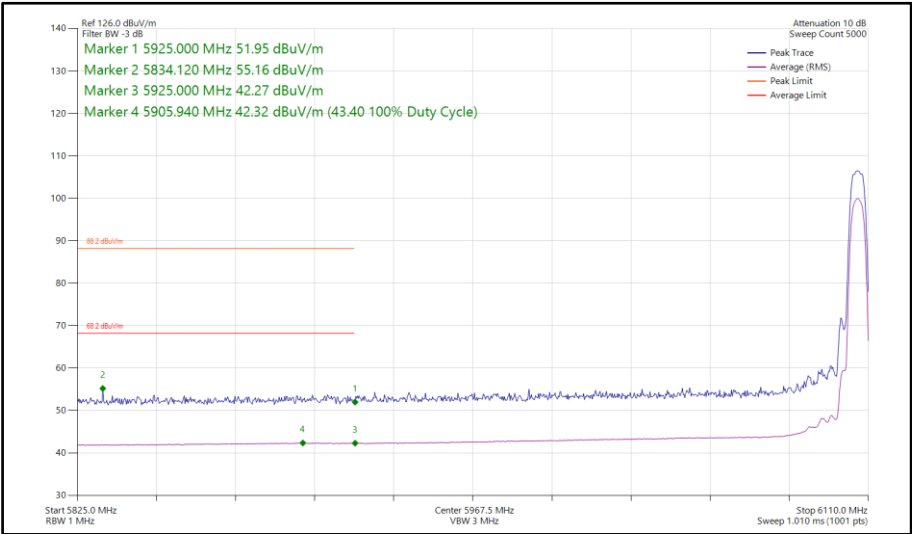


Figure 287 - HDR8, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

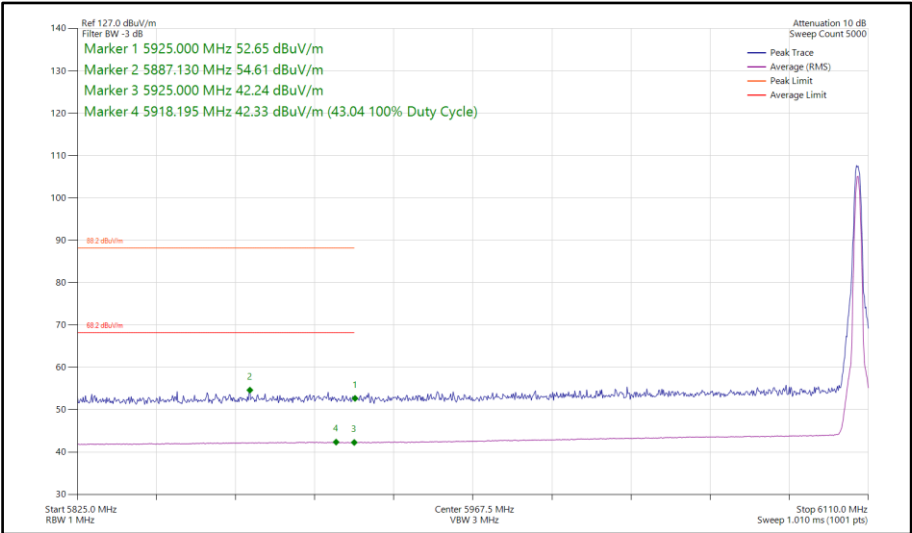


Figure 288 - LE1M, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

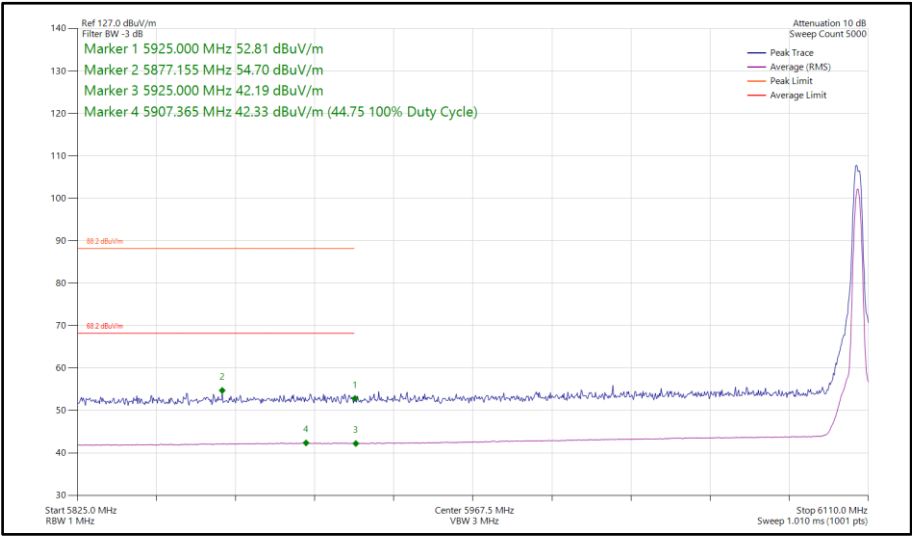


Figure 289 - LE2M, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

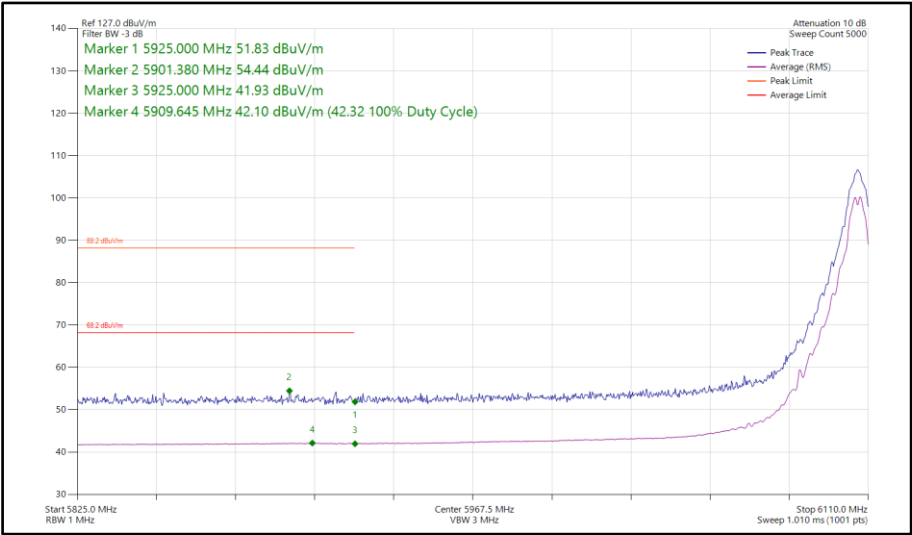


Figure 290 - HDT3, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

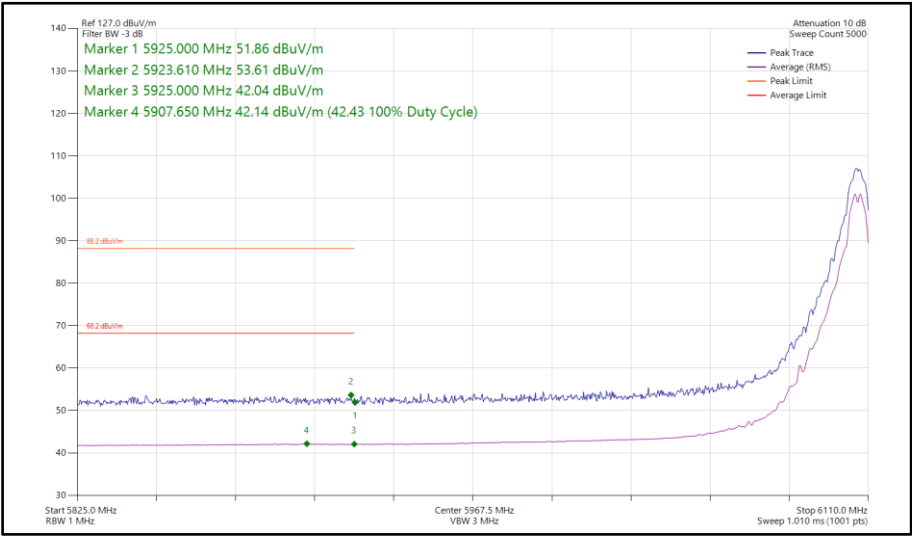


Figure 291 - HDT4, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

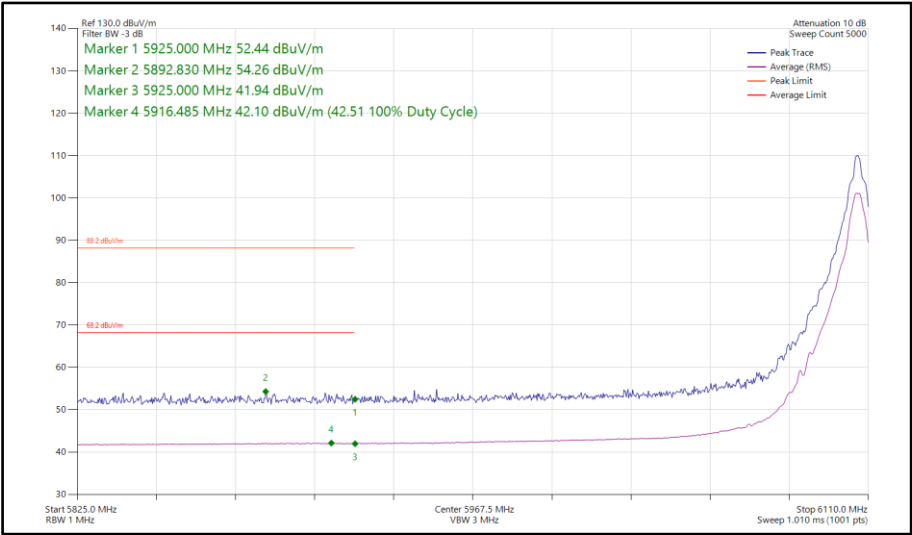


Figure 292 - HDT6, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

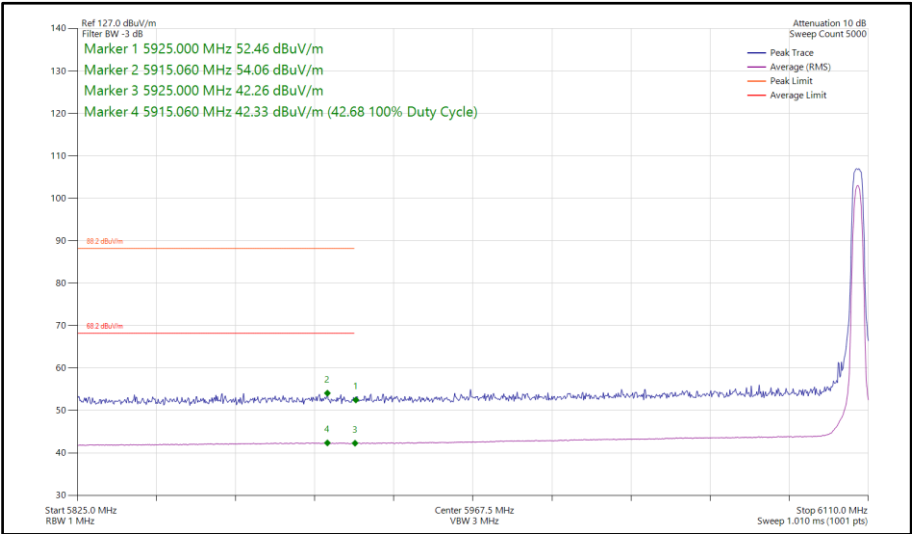


Figure 293 - HDRPS2, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

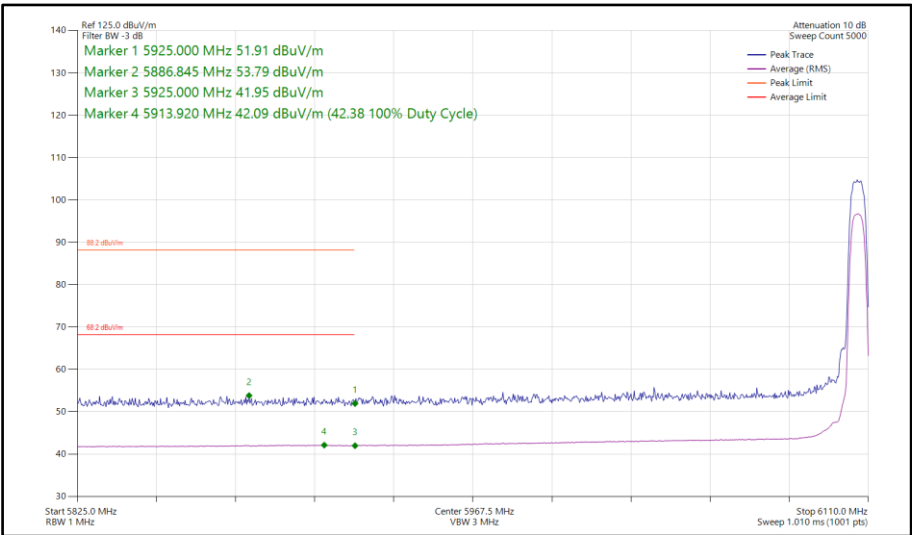


Figure 294 - HDRPM12, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

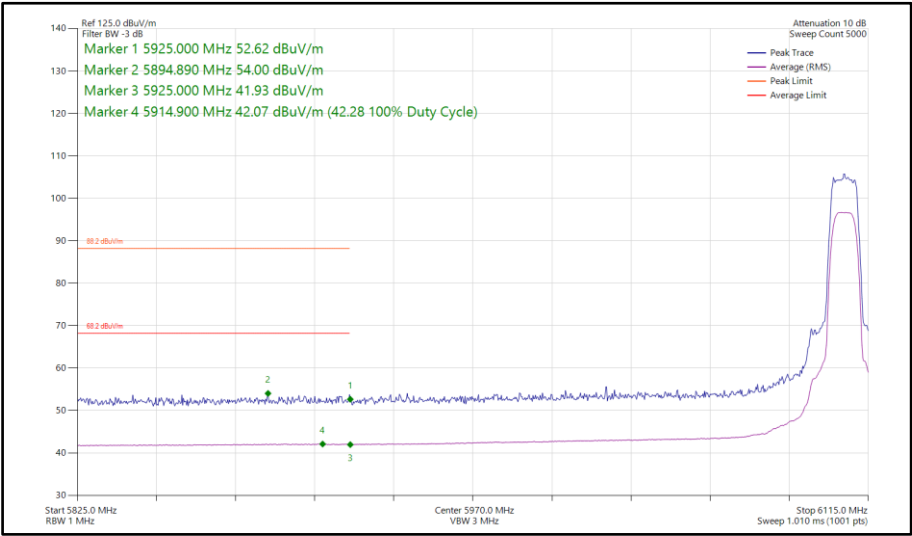


Figure 295 - HDRPL8, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

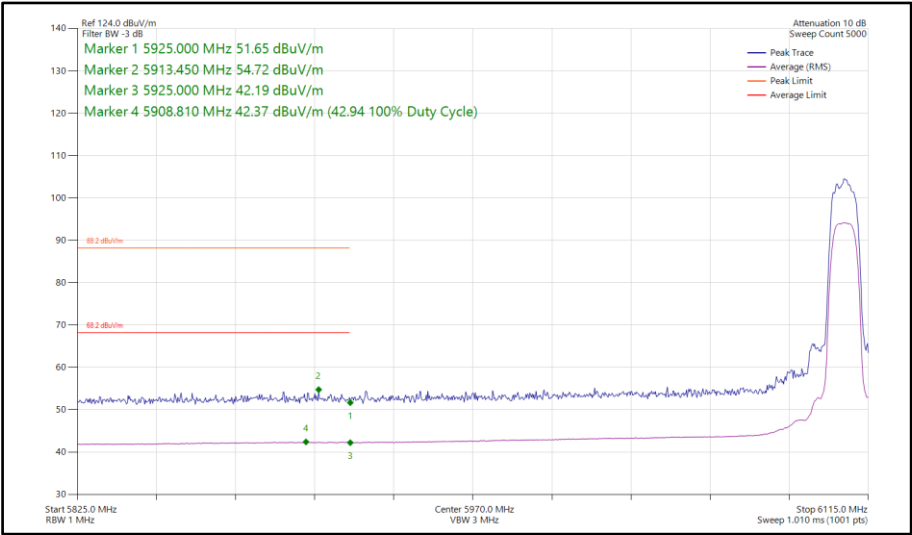


Figure 296 - HDRPL24, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

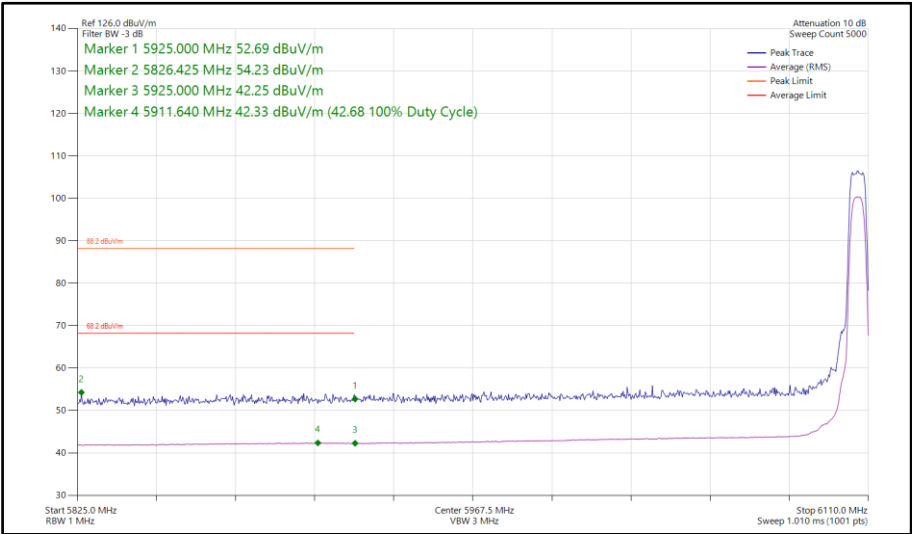


Figure 297 - XHDRPM8, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

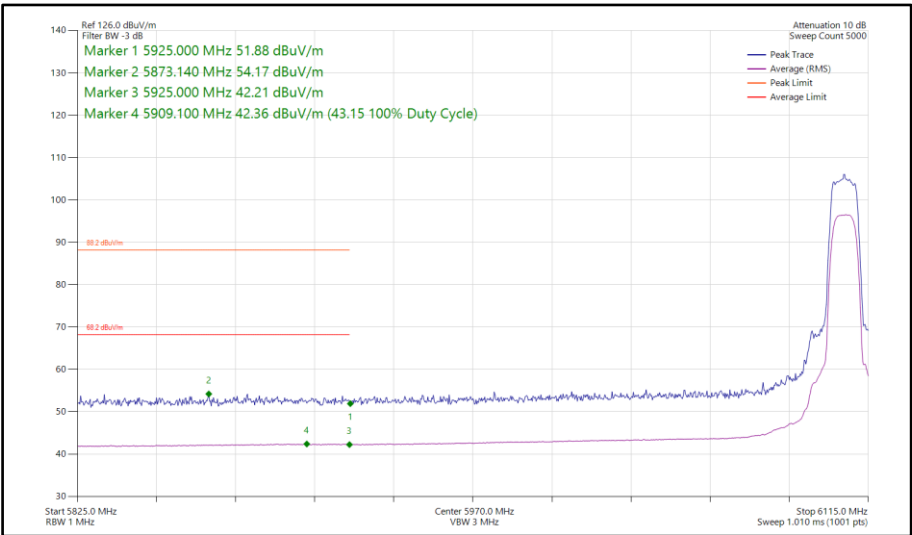


Figure 298 - XHDRPL24, SISO, Core 1 - 6106 MHz
Band Edge Frequency 5925 MHz

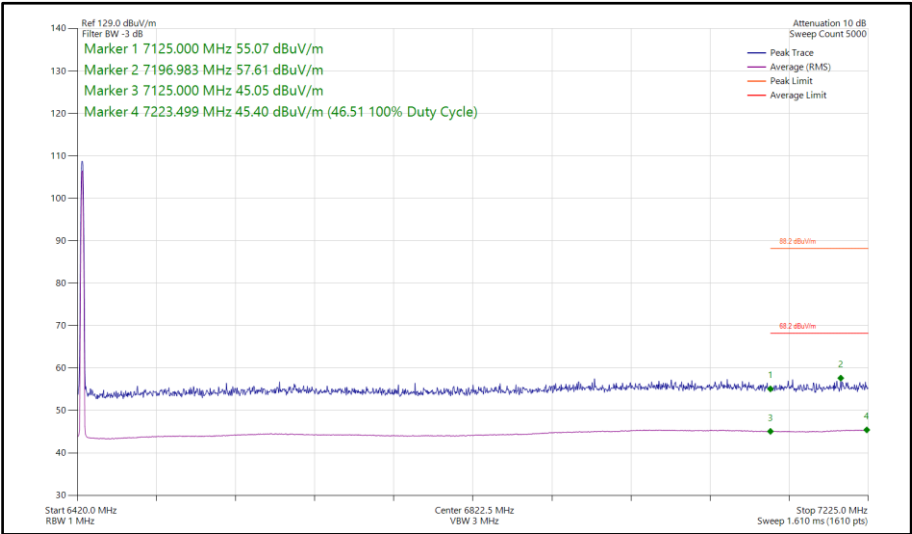


Figure 299 - DH5, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

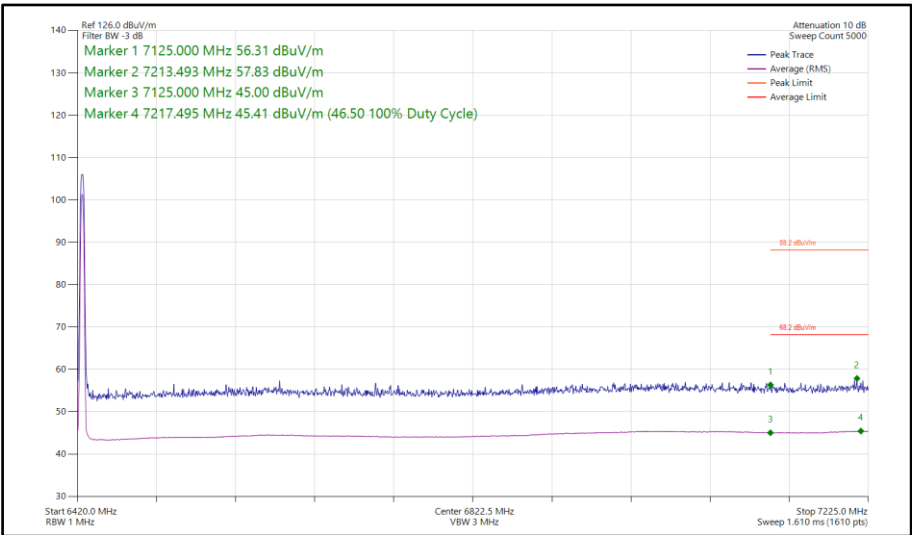


Figure 300 - HDR4, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

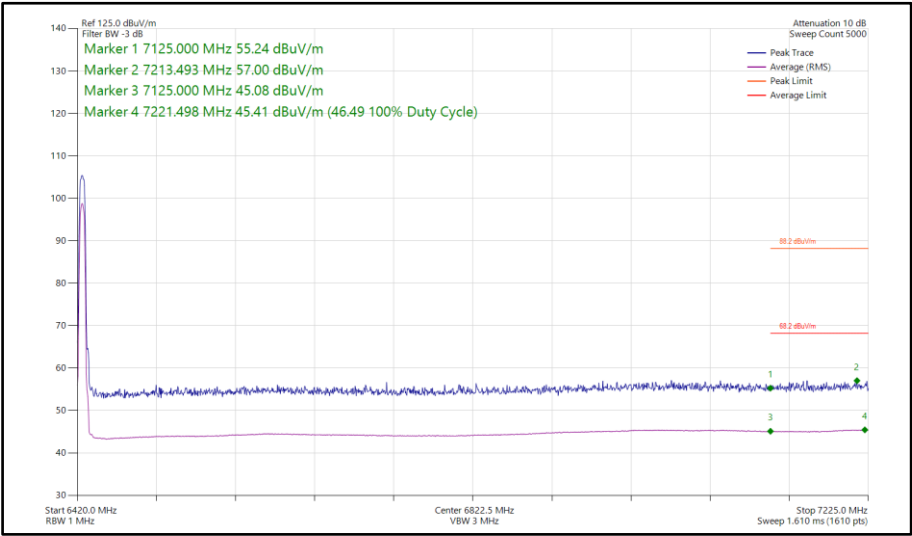


Figure 301 - HDR8, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

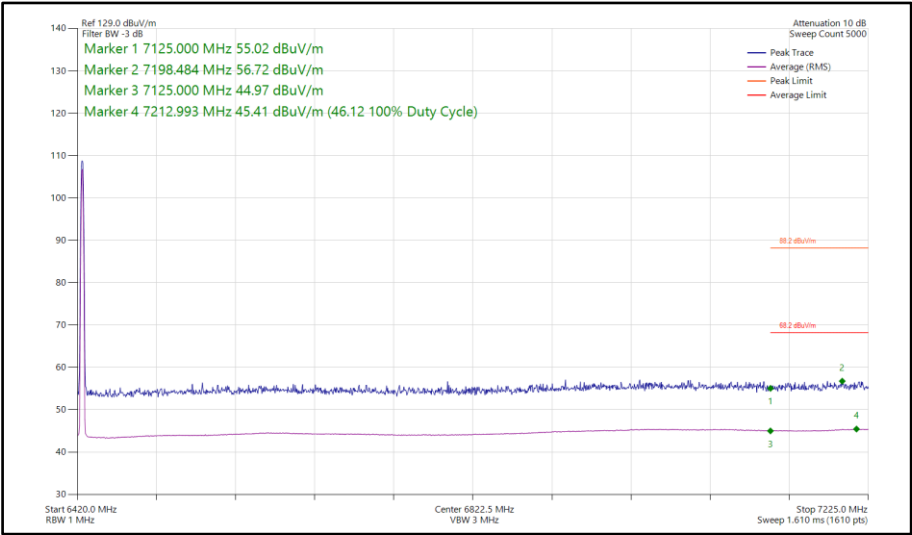


Figure 302 - LE1M, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

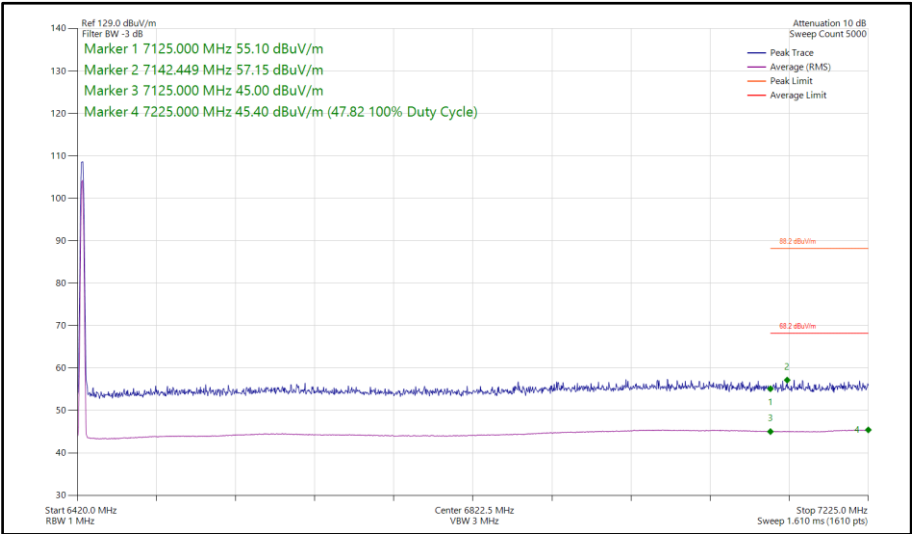


Figure 303 - LE2M, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

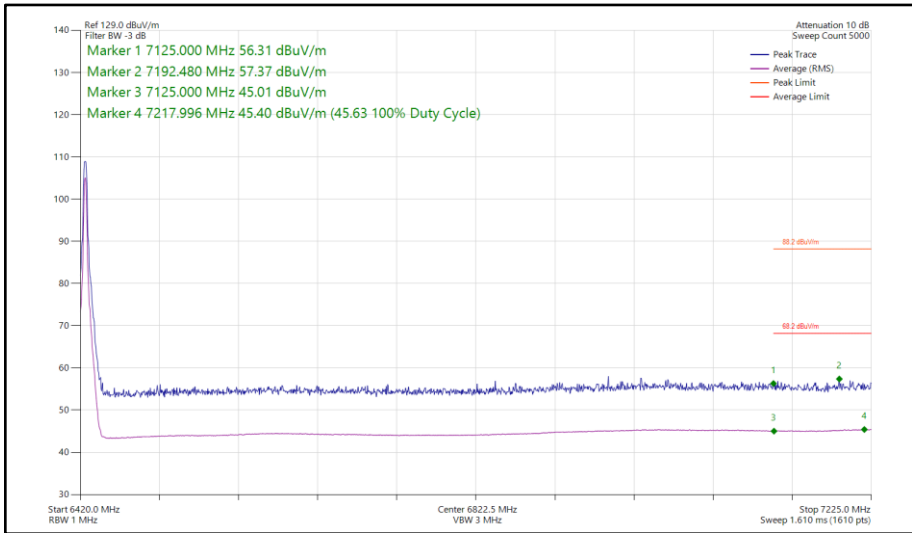


Figure 304 - HDT3, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

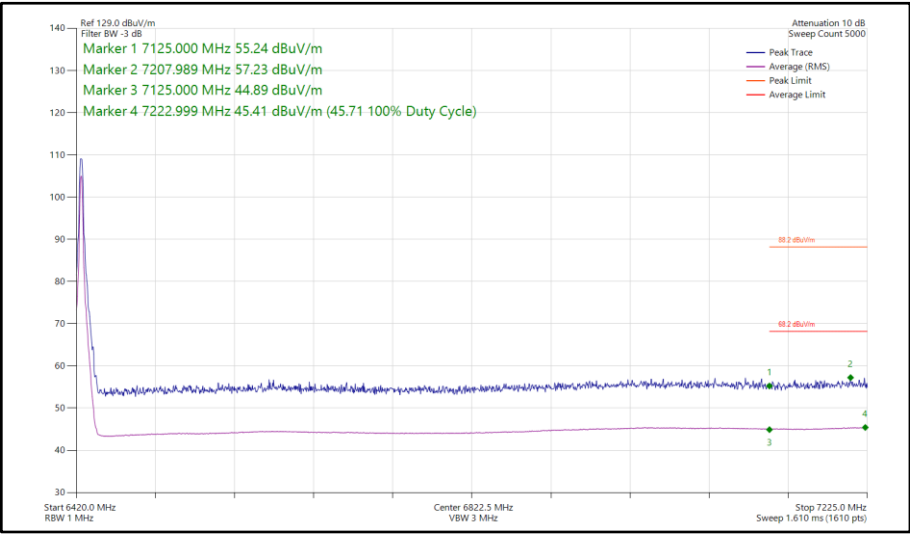


Figure 305 - HDT4, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

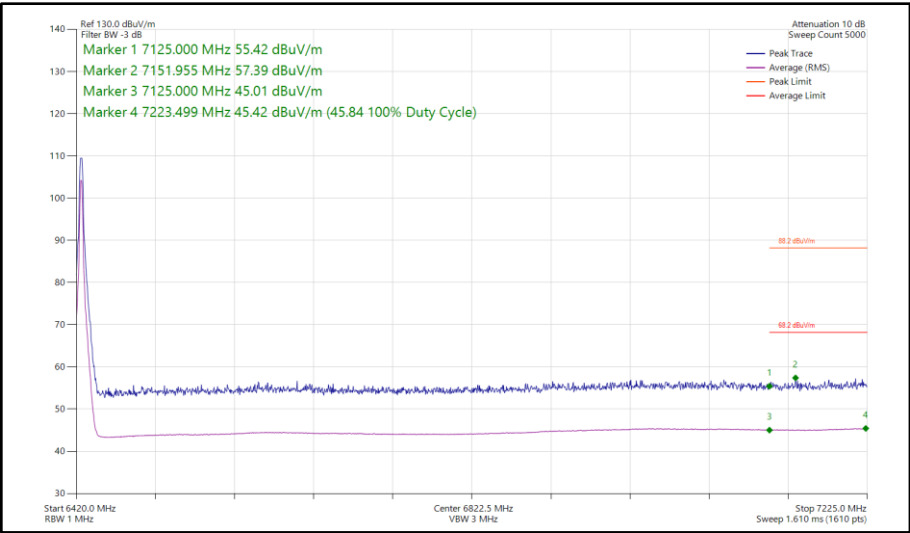


Figure 306 - HDT6, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

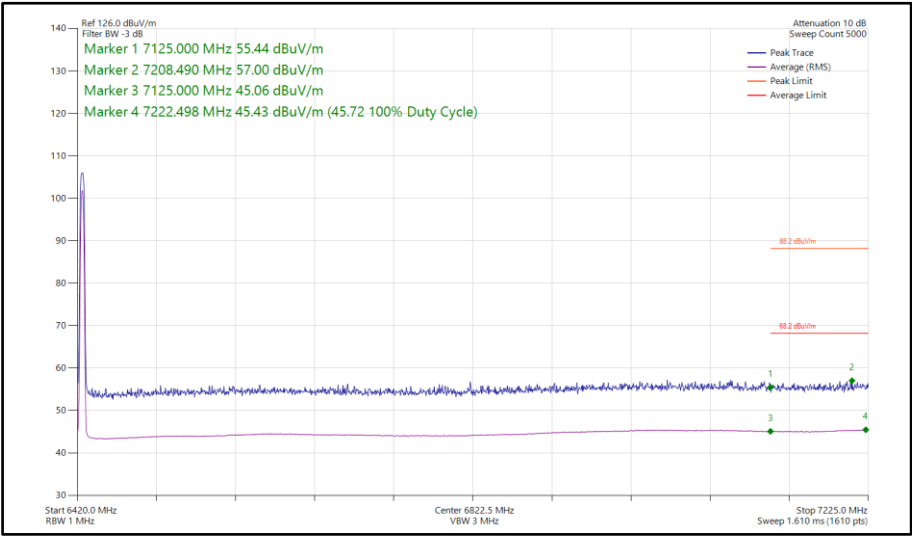


Figure 307 - HDRPS2, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

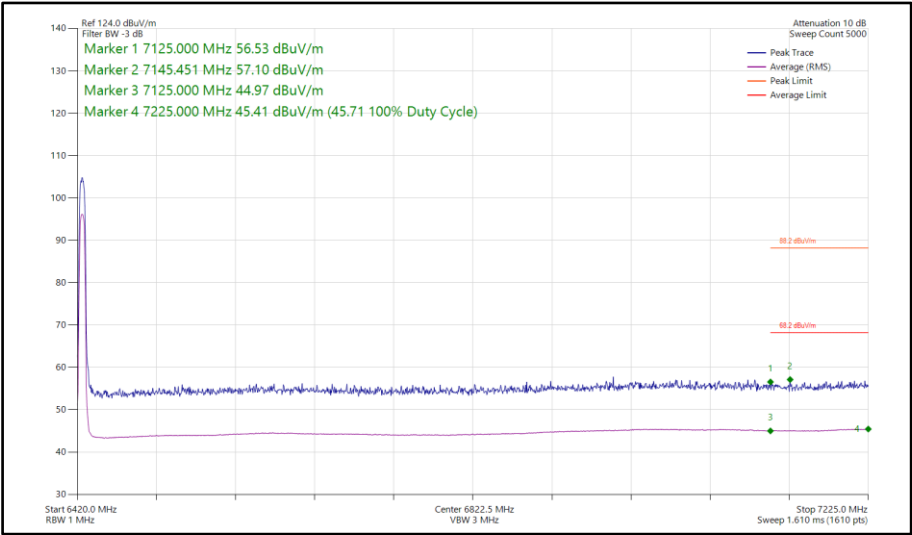


Figure 308 - HDRPM12, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

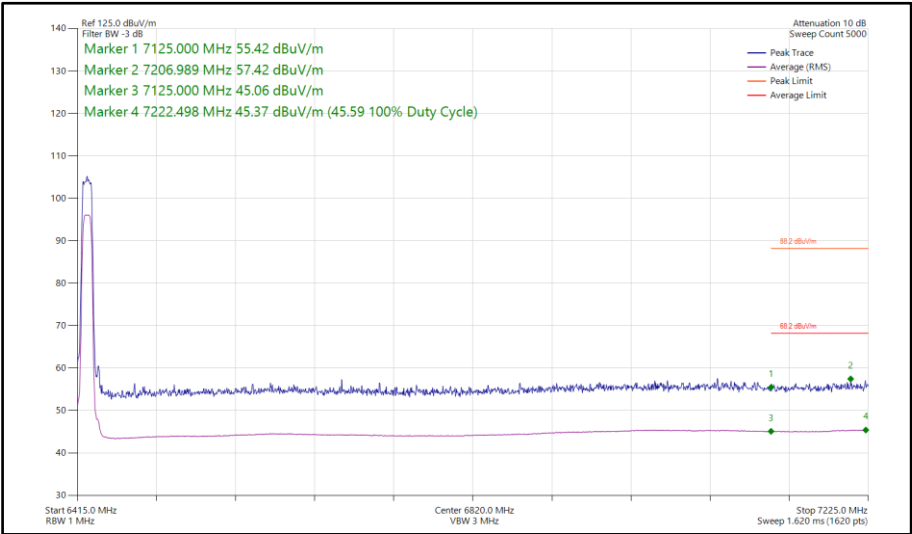


Figure 309 - HDRPL8, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

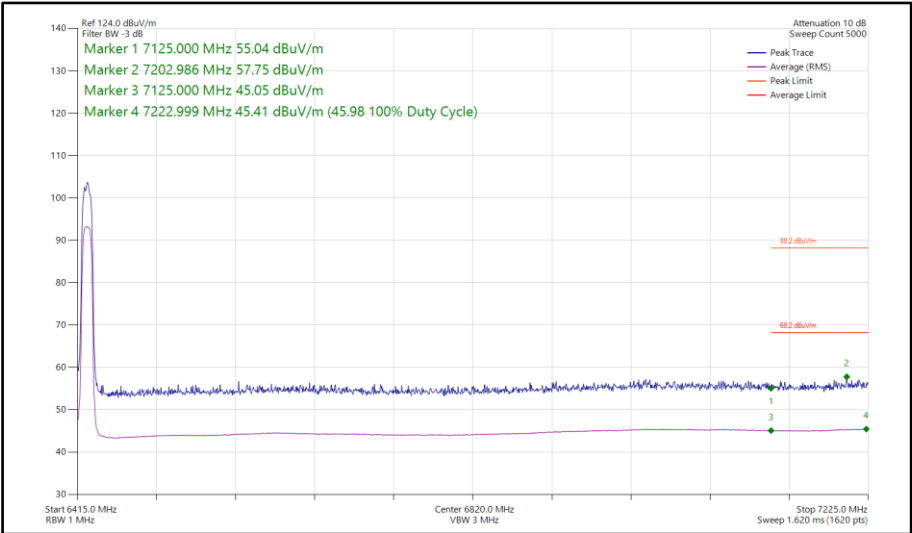


Figure 310 - HDRPL24, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

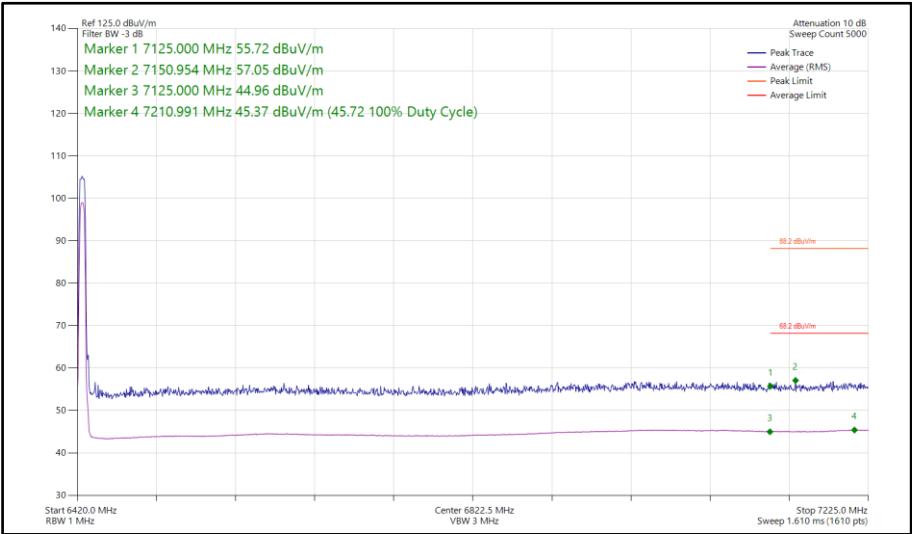


Figure 311 - XHDRPM8, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz

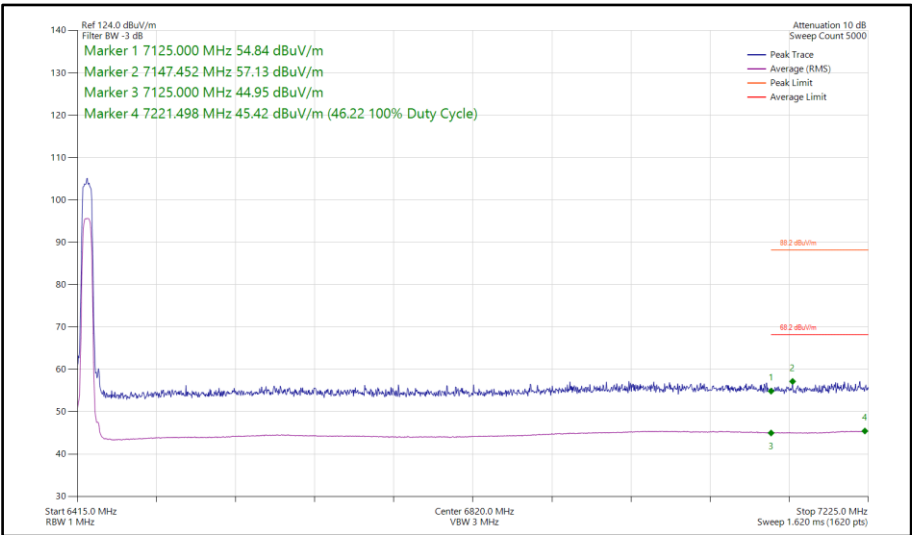


Figure 312 - XHDRPL24, SISO, Core 1 - 6425 MHz
Band Edge Frequency 7125 MHz



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	54.76	43.22
Static	HDR4	6106	5925	53.88	43.17
Static	HDR8	6106	5925	54.20	43.19
Static	LE1M	6106	5925	54.40	42.83
Static	LE2M	6106	5925	54.33	44.56
Static	HDT3	6106	5925	54.53	42.32
Static	HDT4	6106	5925	54.54	42.43
Static	HDT6	6106	5925	53.61	42.53
Static	HDRPS2	6106	5925	54.15	42.66
Static	HDRPM12	6106	5925	54.45	42.37
Static	HDRPL8	6106	5925	54.10	42.32
Static	HDRPL24	6106	5925	53.99	42.91
Static	XHDRPM8	6106	5925	55.56	42.72
Static	XHDRPL24	6106	5925	54.26	43.15
Static	DH5	6425	7125	57.16	46.57
Static	HDR4	6425	7125	56.67	46.49
Static	HDR8	6425	7125	57.20	46.47
Static	LE1M	6425	7125	57.28	46.10
Static	LE2M	6425	7125	57.19	47.84
Static	HDT3	6425	7125	57.67	45.63
Static	HDT4	6425	7125	58.34	45.76
Static	HDT6	6425	7125	56.86	45.88
Static	HDRPS2	6425	7125	58.23	45.71
Static	HDRPM12	6425	7125	57.02	45.69
Static	HDRPL8	6425	7125	57.84	45.61
Static	HDRPL24	6425	7125	57.14	46.00
Static	XHDRPM8	6425	7125	57.49	45.74
Static	XHDRPL24	6425	7125	57.10	46.21

Table 205 - MIMO Authorised Band Edge Results

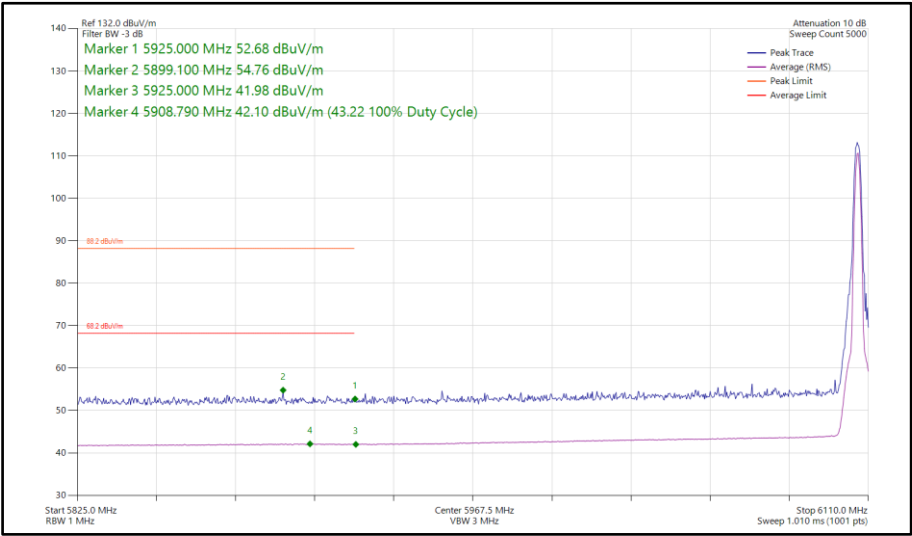


Figure 313 - DH5, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

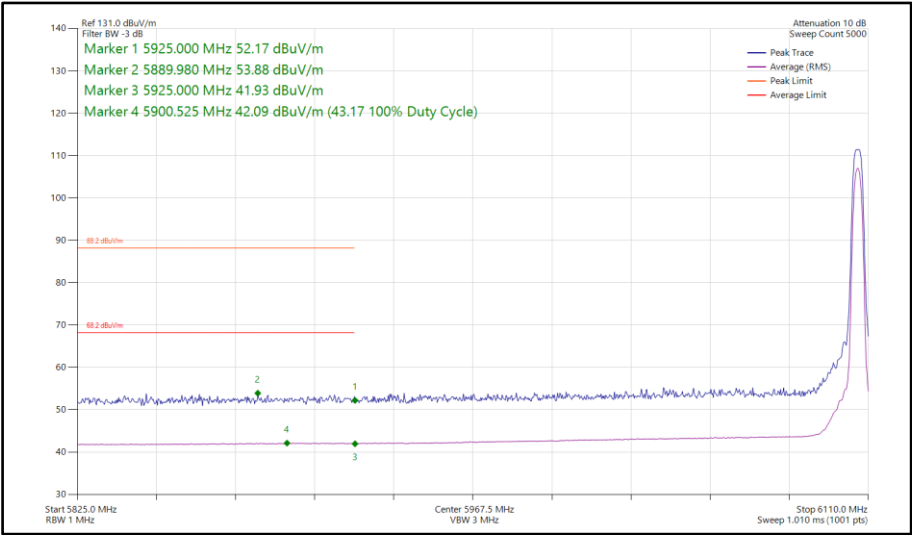


Figure 314 - HDR4, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

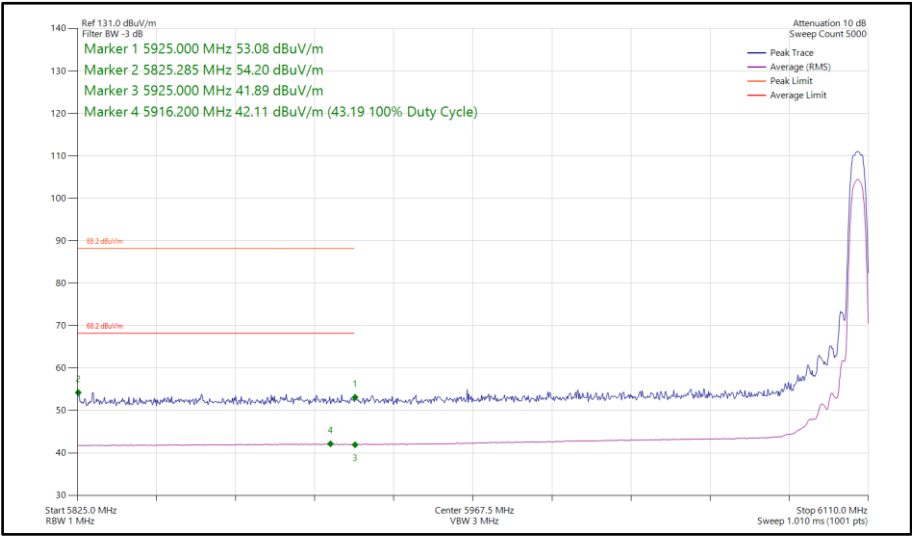


Figure 315 - HDR8, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

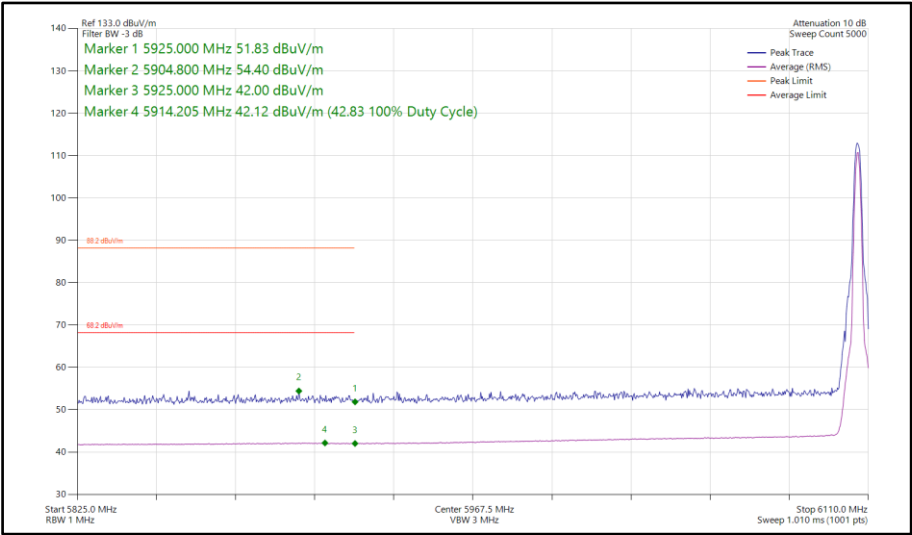


Figure 316 - LE1M, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

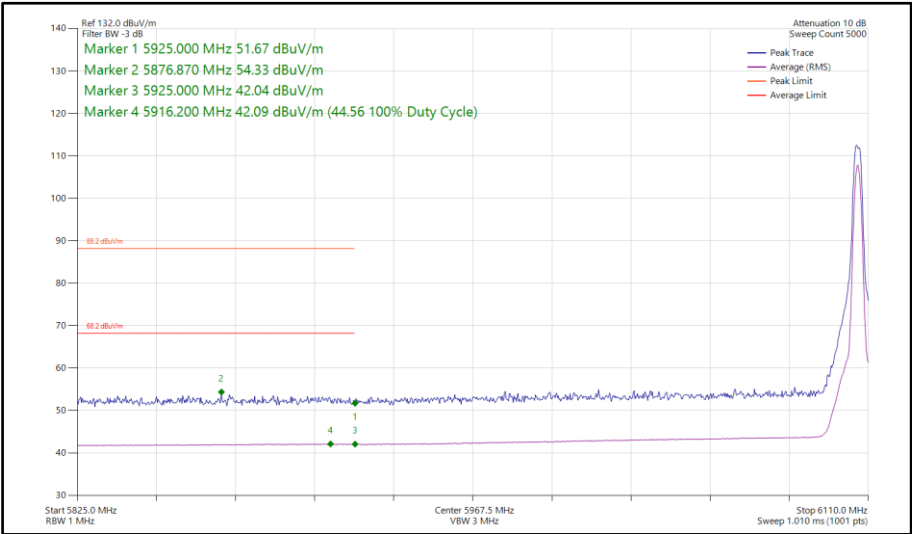


Figure 317 - LE2M, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

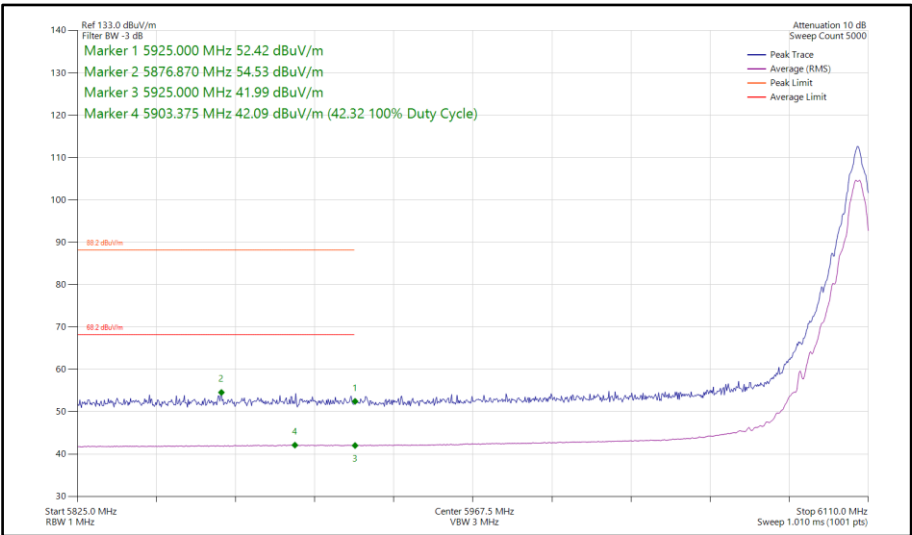


Figure 318 - HDT3, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

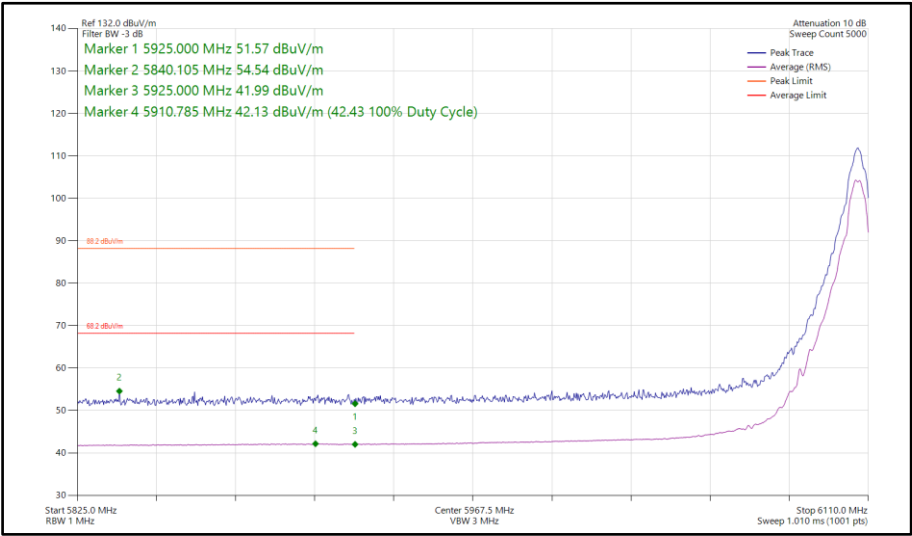


Figure 319 - HDT4, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

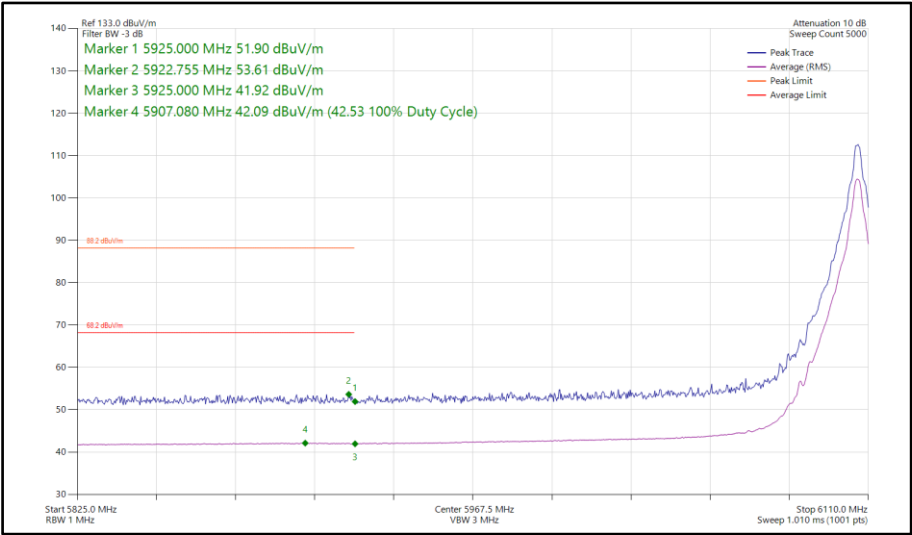


Figure 320 - HDT6, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

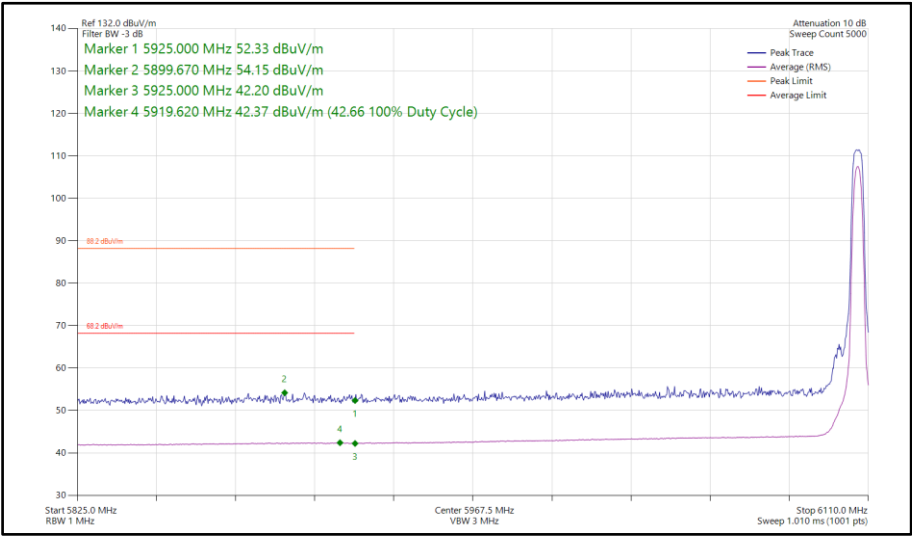


Figure 321 - HDRPS2, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

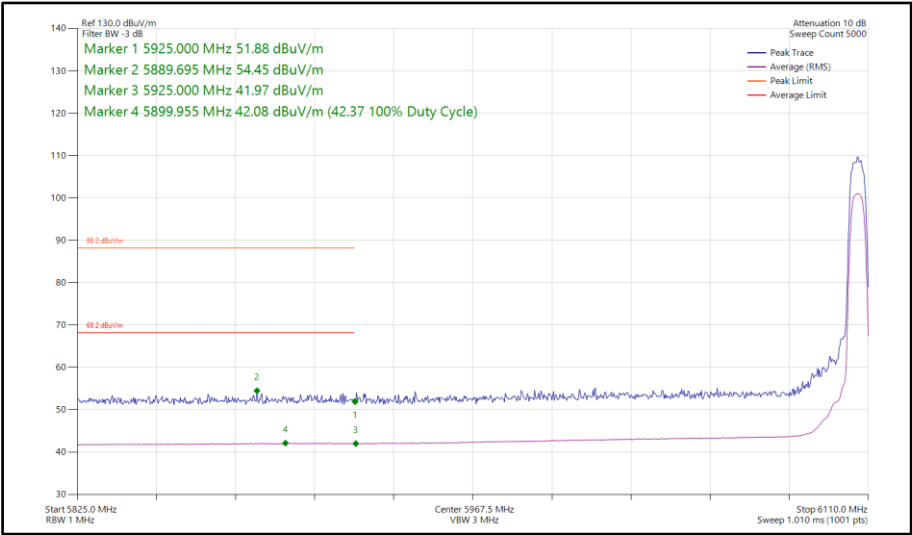


Figure 322 - HDRPM12, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

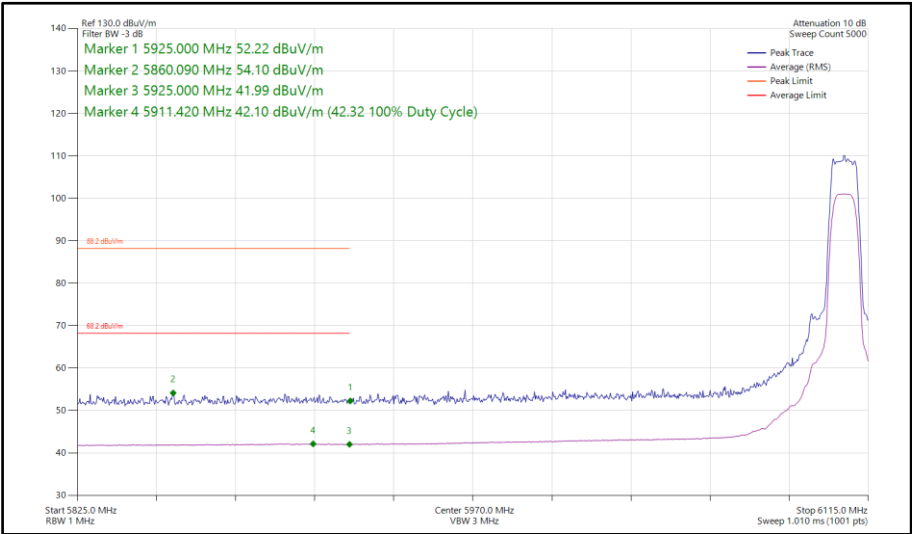


Figure 323 - HDRPL8, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz

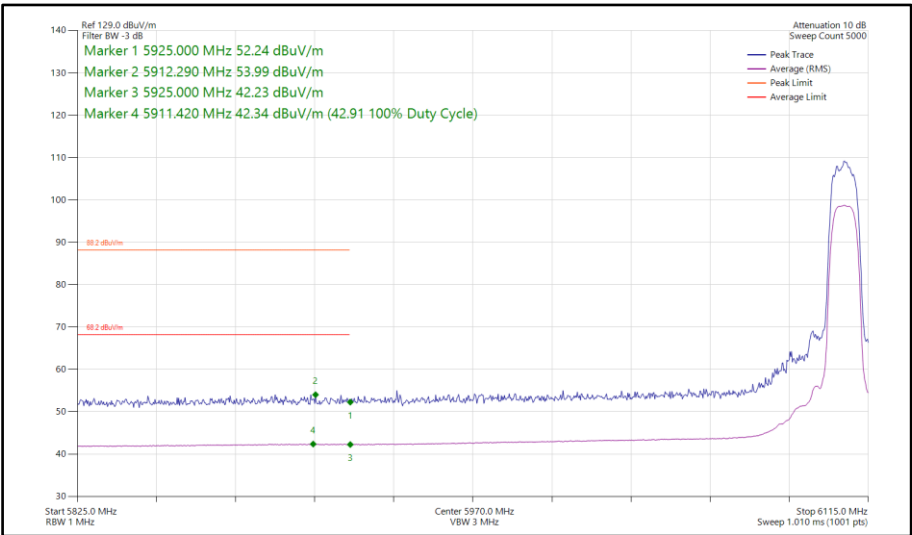


Figure 324 - HDRPL24, MIMO, Core 0-1 - 6106 MHz
Band Edge Frequency 5925 MHz