



5 GHz WLAN - 802.11n 20 MHz Bandwidth

Modulation Coding Scheme: MCS5

	5745 MHz	5785 MHz	5825 MHz
6 dB Bandwidth (MHz)	17.760	17.700	17.700
26 dB Bandwidth (MHz)	20.880	21.180	20.340
99% Occupied Bandwidth (MHz)	17.632	17.646	17.643

Table 156 – SISO – Antenna Port 0

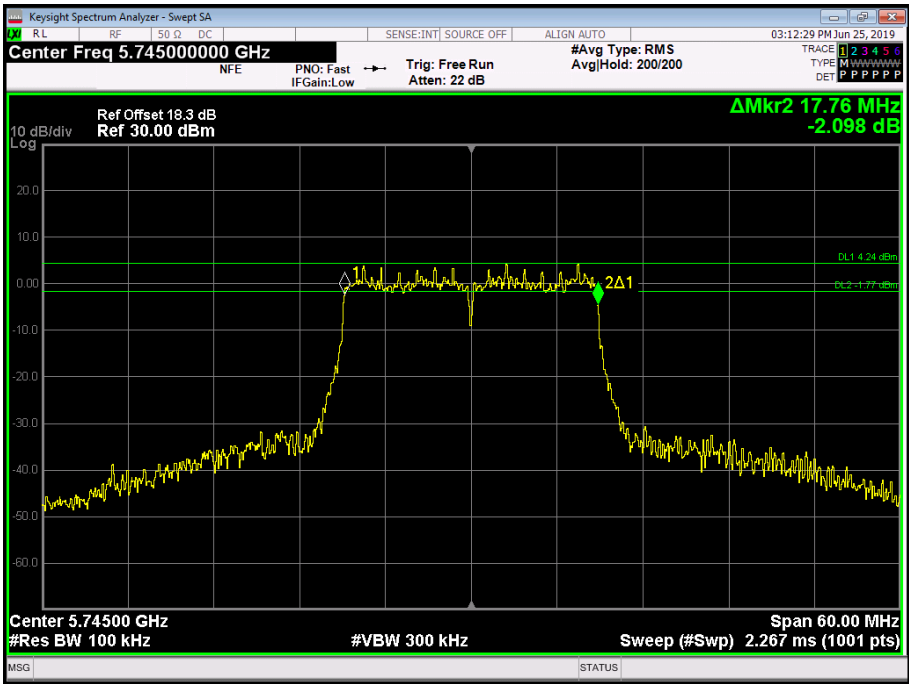


Figure 276 - 5745 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0

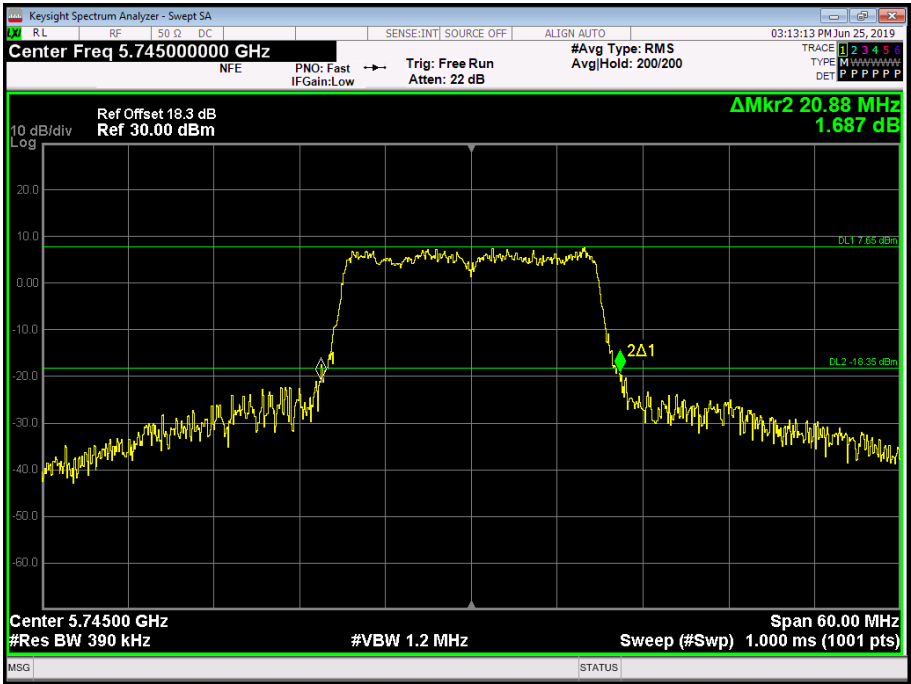


Figure 277 - 5745 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

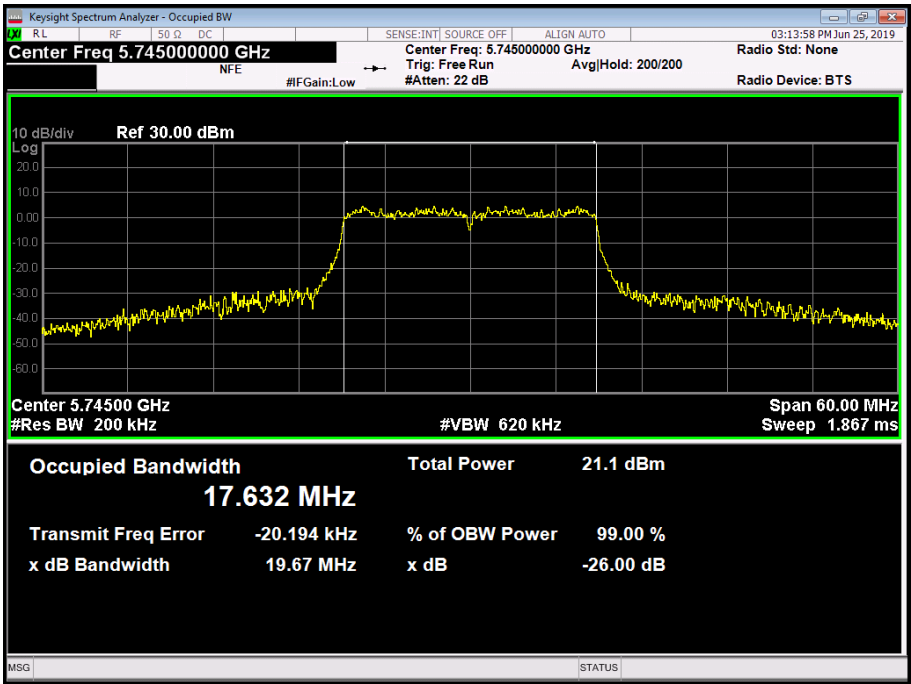


Figure 278 - 5745 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0

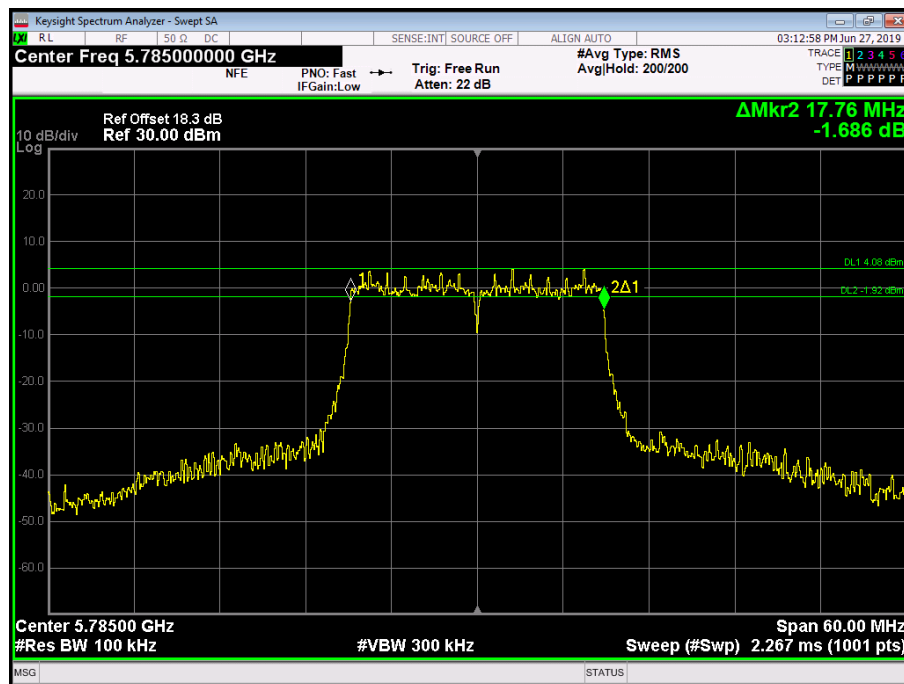


Figure 279 - 5785 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0



Figure 280 - 5785 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

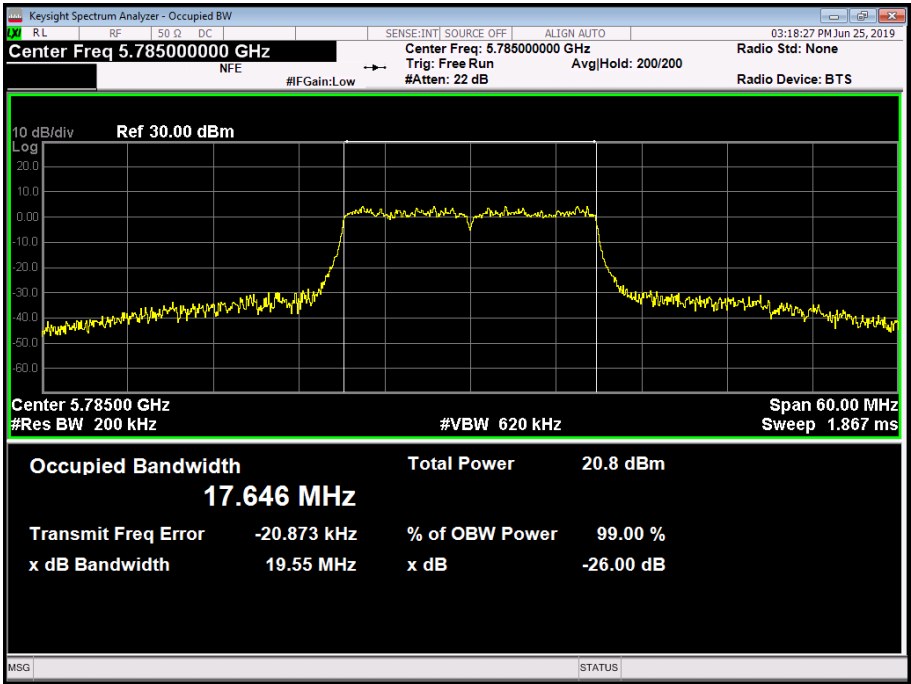


Figure 281 - 5785 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0

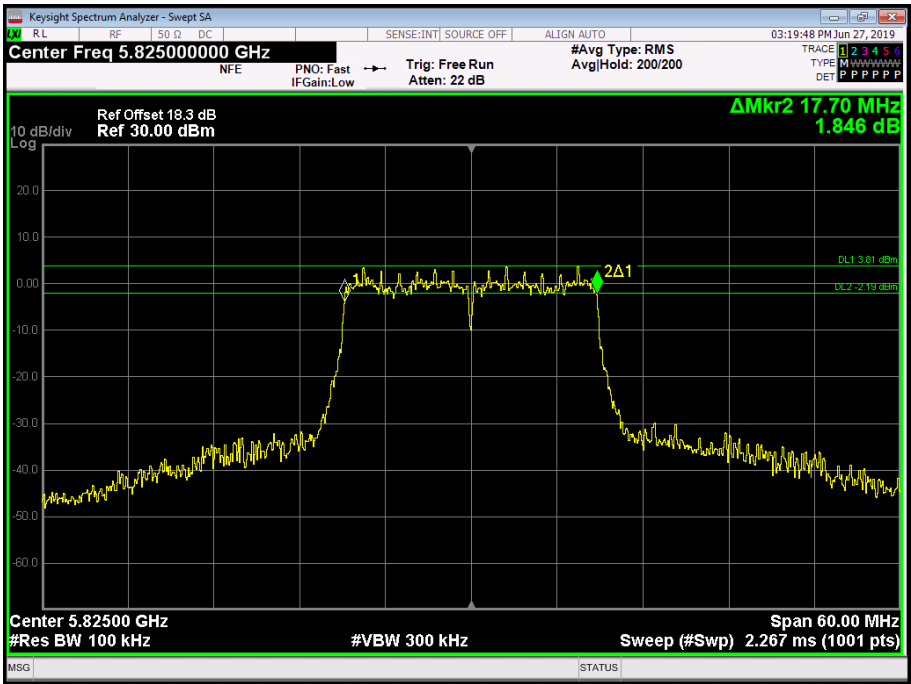


Figure 282 - 5825 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0

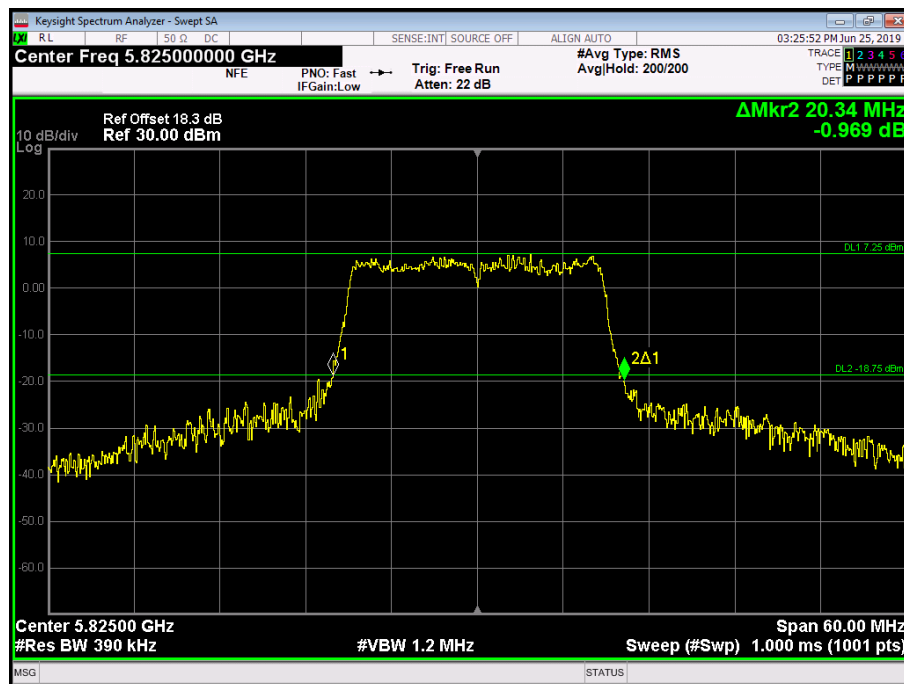


Figure 283 - 5825 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

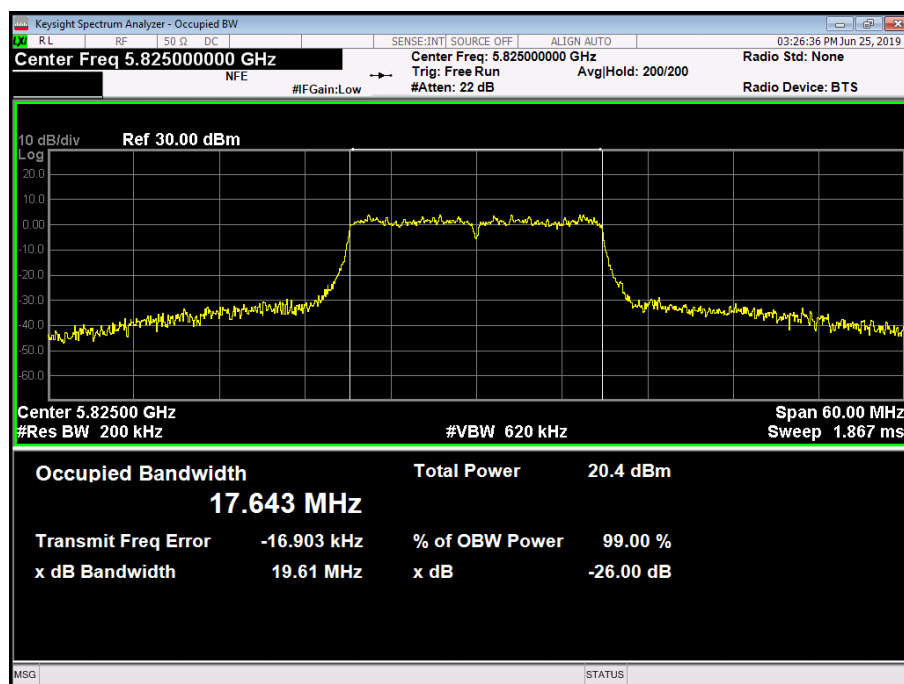


Figure 284 - 5825 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0



	5745 MHz	5785 MHz	5825 MHz
6 dB Bandwidth (MHz)	17.700	17.760	17.700
26 dB Bandwidth (MHz)	20.700	20.280	21.000
99% Occupied Bandwidth (MHz)	17.629	17.651	17.633

Table 157 – SISO – Antenna Port 1

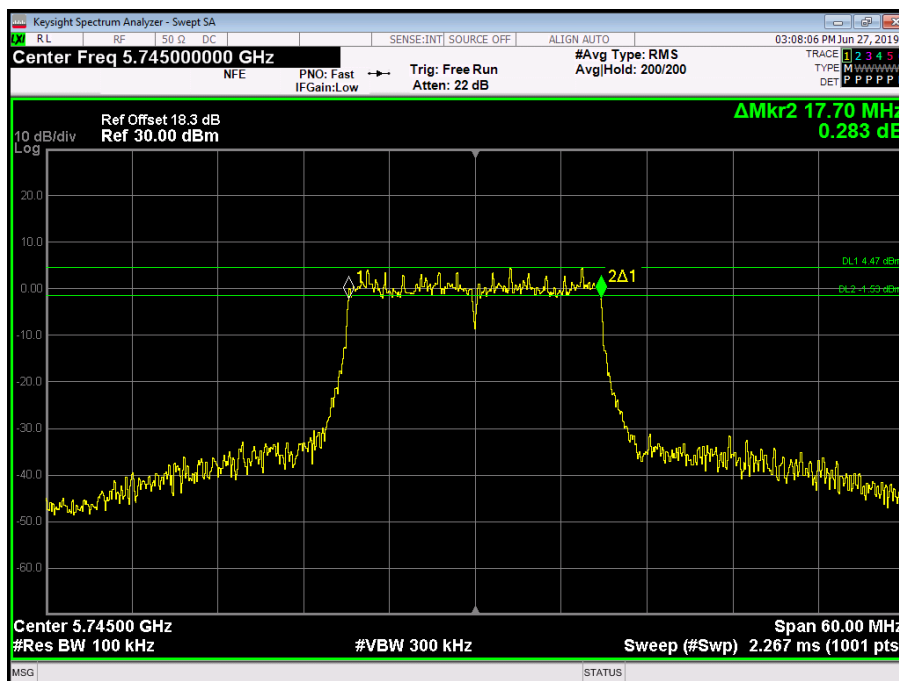


Figure 285 - 5745 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1



Figure 286 - 5745 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

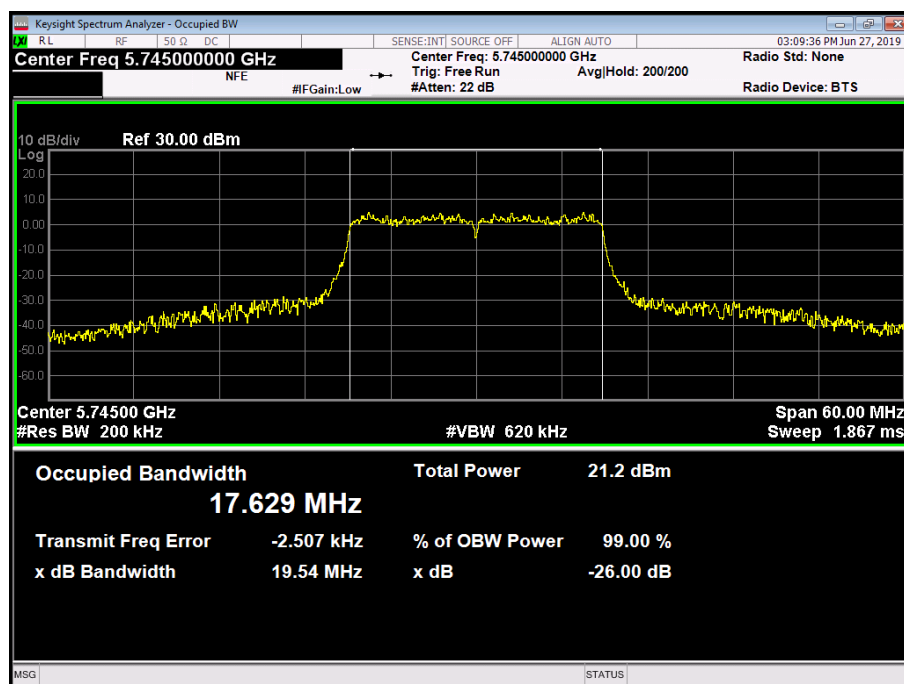


Figure 287 - 5745 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1

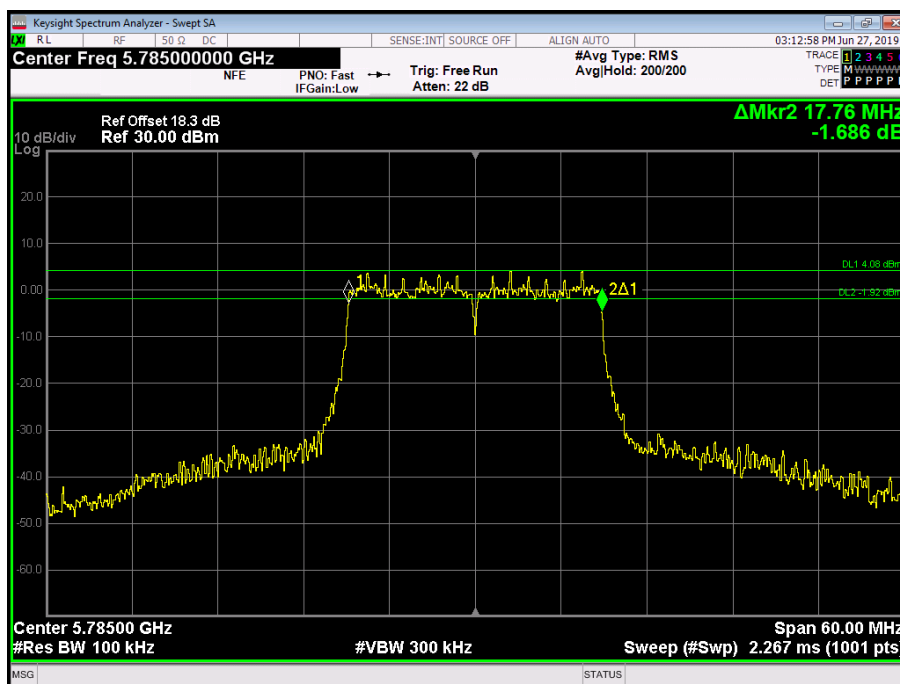


Figure 288 - 5785 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1

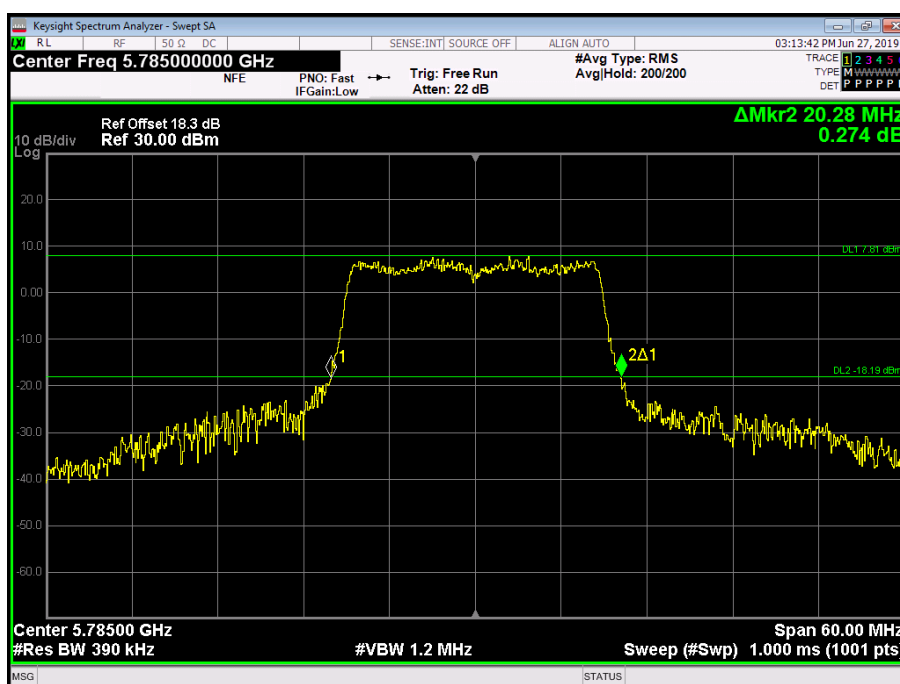


Figure 289 - 5785 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

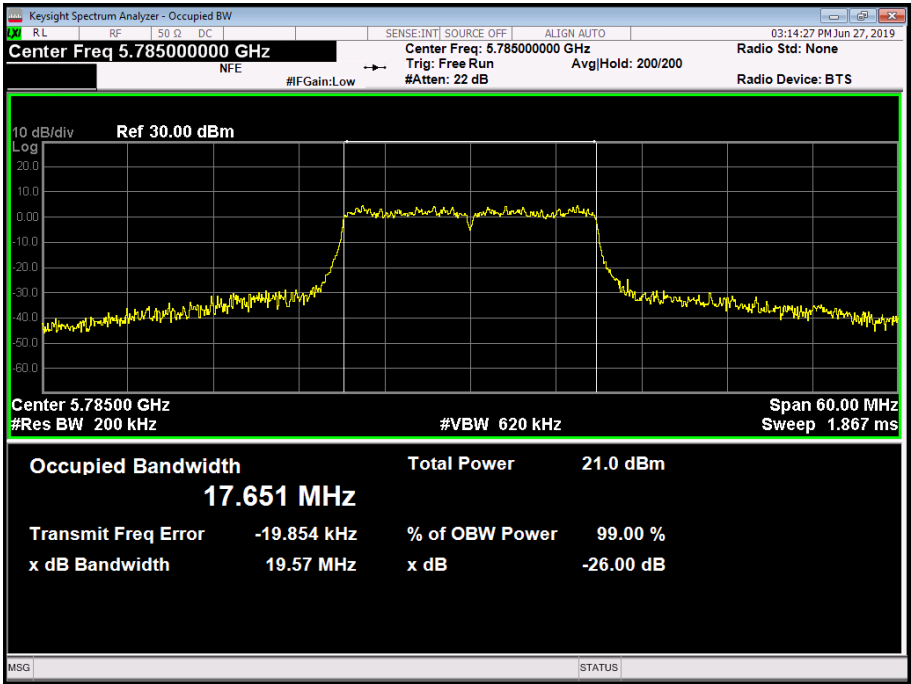


Figure 290 - 5785 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1

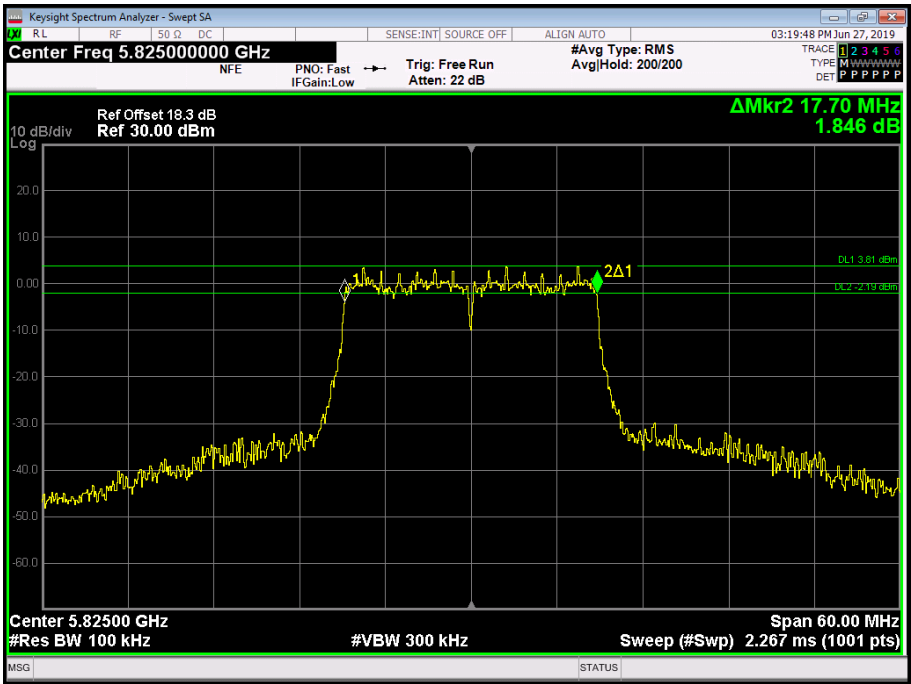


Figure 291 - 5825 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1

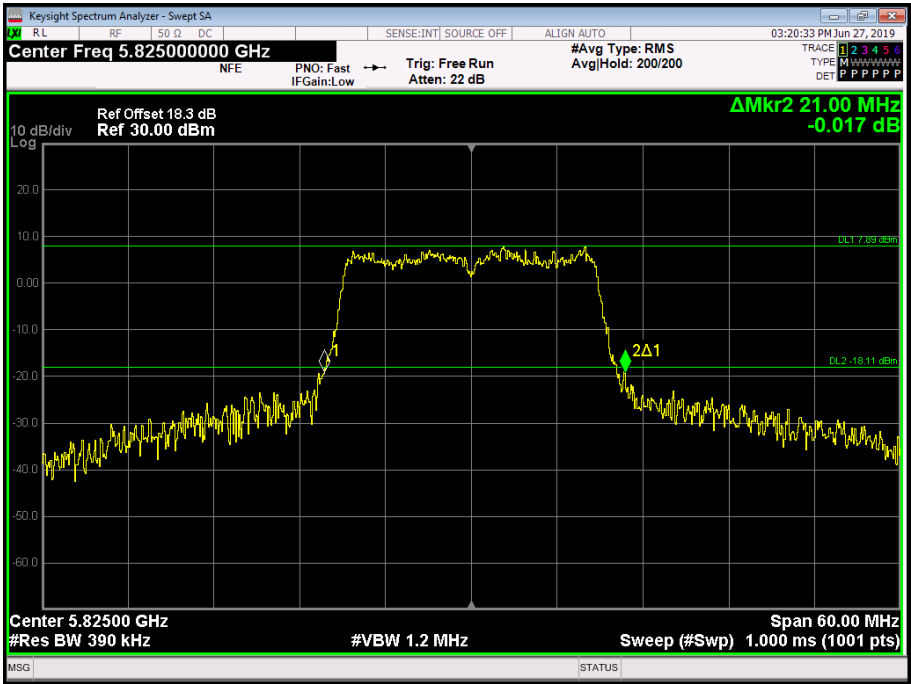


Figure 292 - 5825 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

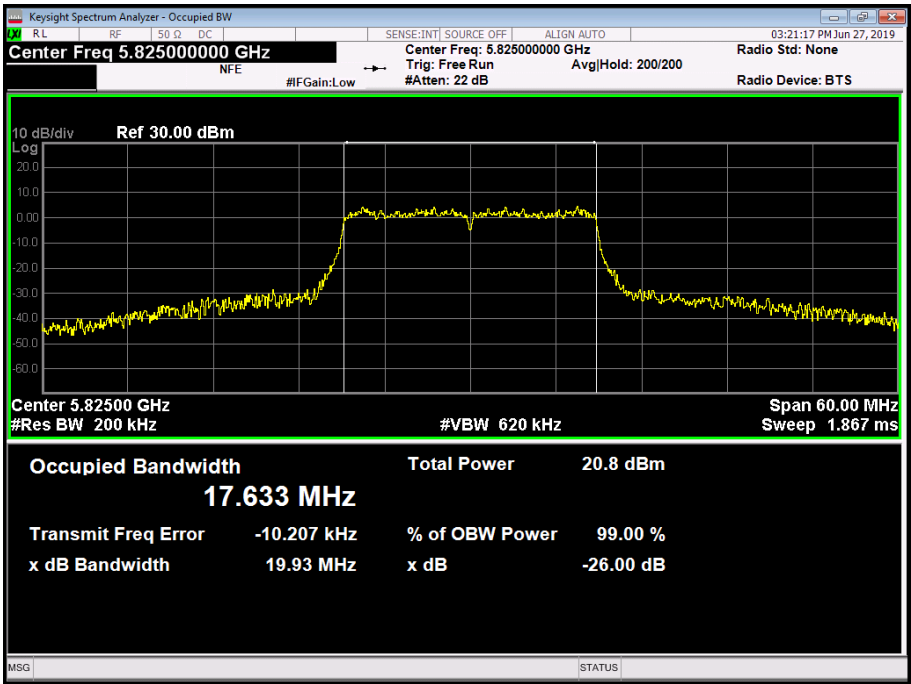


Figure 293 - 5825 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1

	5475 MHz	5785 MHz	5825 MHz
6 dB Bandwidth (MHz)	17.520	17.520	17.640
26 dB Bandwidth (MHz)	20.460	21.060	20.760
99% Occupied Bandwidth (MHz)	17.703	17.692	17.710

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT SOURCE OFF ALIGN AUTO 02:05:34 PM Jul 03, 2019

Center Freq 5.745000000 GHz #Avg Type: RMS Avg/Hold: 200/200

NFE PNO: Fast IFGain:Low Trig: Free Run Atten: 22 dB

TRACE 1 2 3 4 5 6 TYPE [A] WWWWWWWW DET P P P P P P

Ref Offset 18.3 dB Ref 30.00 dBm Δ Mkr2 17.52 MHz -1.216 dB

10 dB/div Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

DL1 4.06 dBm

DL2 -21.94 dBm

Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Span 60.00 MHz Sweep (#Swp) 2.267 ms (1001 pts)

MSG STATUS

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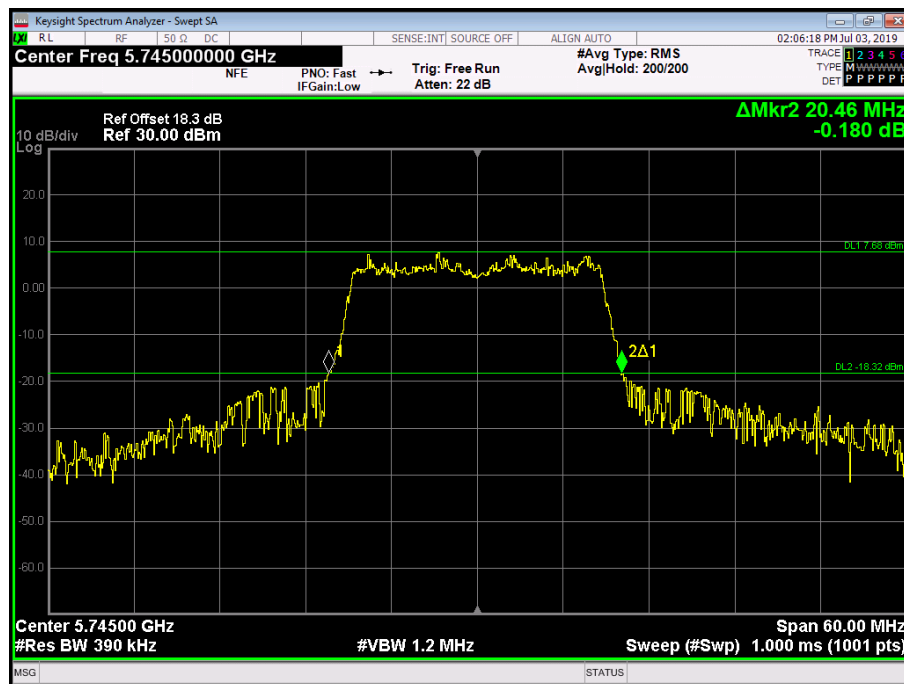


Figure 295 - 5745 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

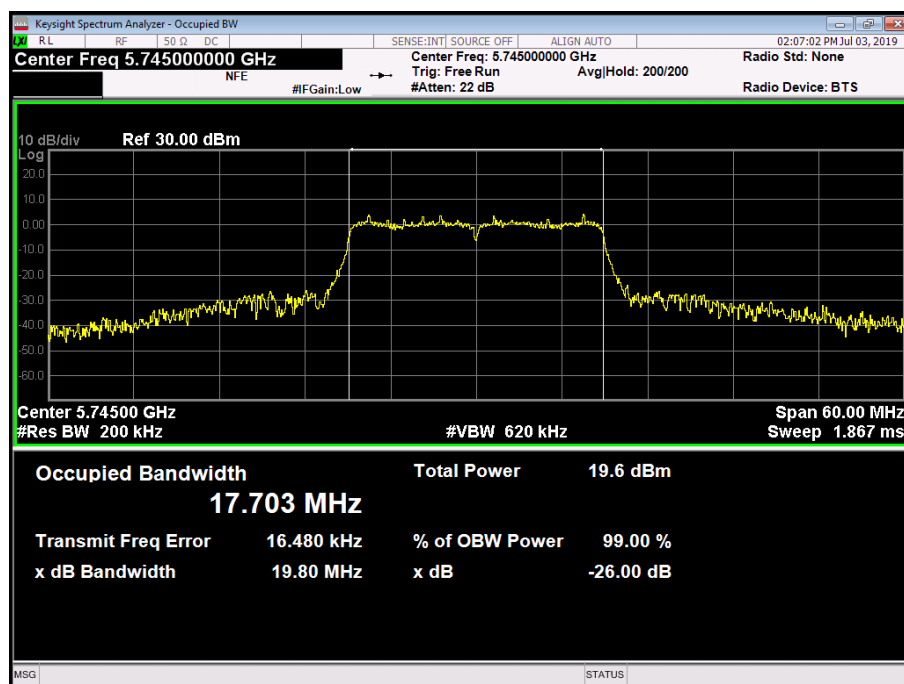


Figure 296 - 5745 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port

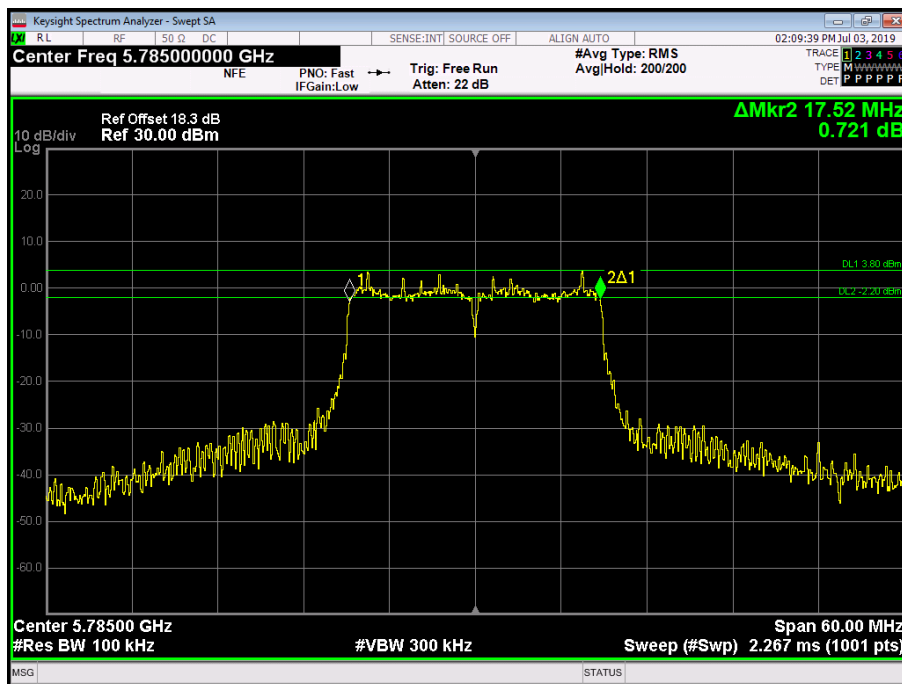


Figure 297 - 5785 MHz - 6 dB DTS Bandwidth – Worst-case Antenna Port

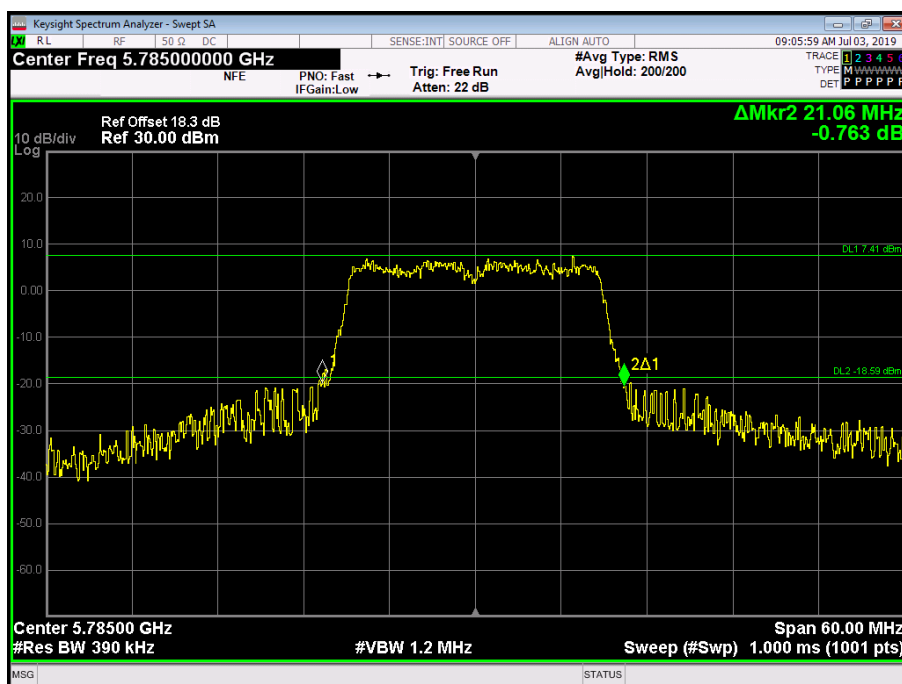


Figure 298 - 5785 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

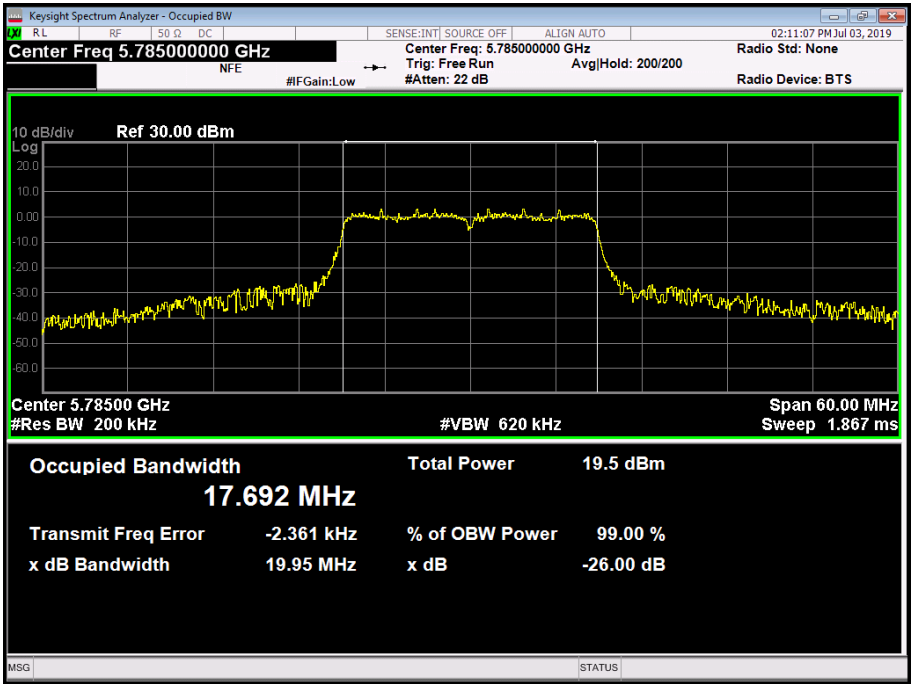


Figure 299 - 5785 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port

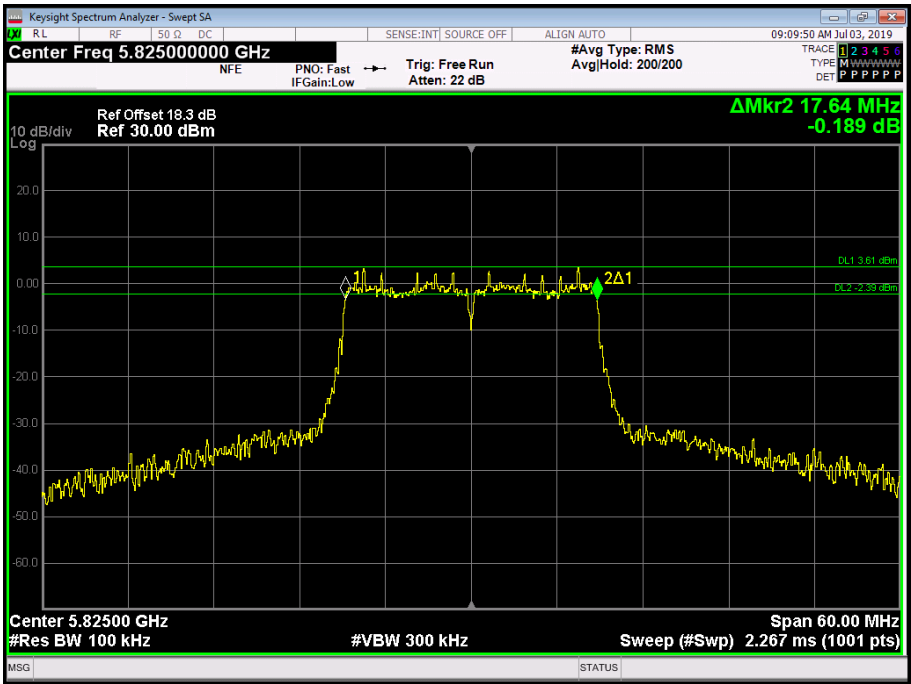


Figure 300 - 5825 MHz - 6 dB DTS Bandwidth – Worst-case Antenna Port

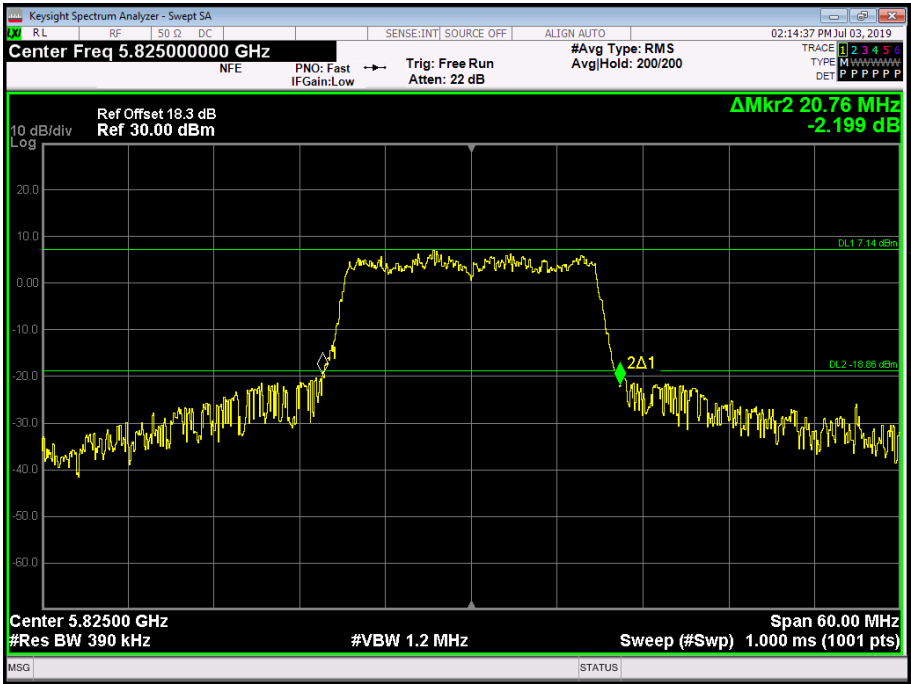


Figure 301 - 5825 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

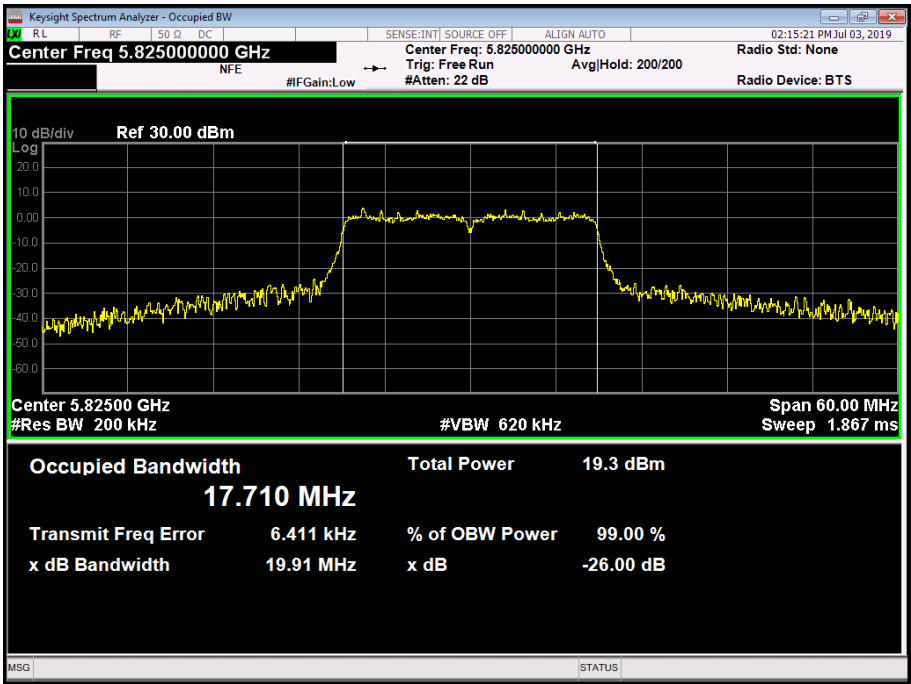


Figure 302 - 5825 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port



5 GHz WLAN - 802.11n 20 MHz Bandwidth

Modulation Coding Scheme: MCS6

	5755 MHz	5795 MHz
6 dB Bandwidth (MHz)	36.600	36.360
26 dB Bandwidth (MHz)	42.000	42.000
99% Occupied Bandwidth (MHz)	36.309	36.265

Table 159 – SISO – Antenna Port 0

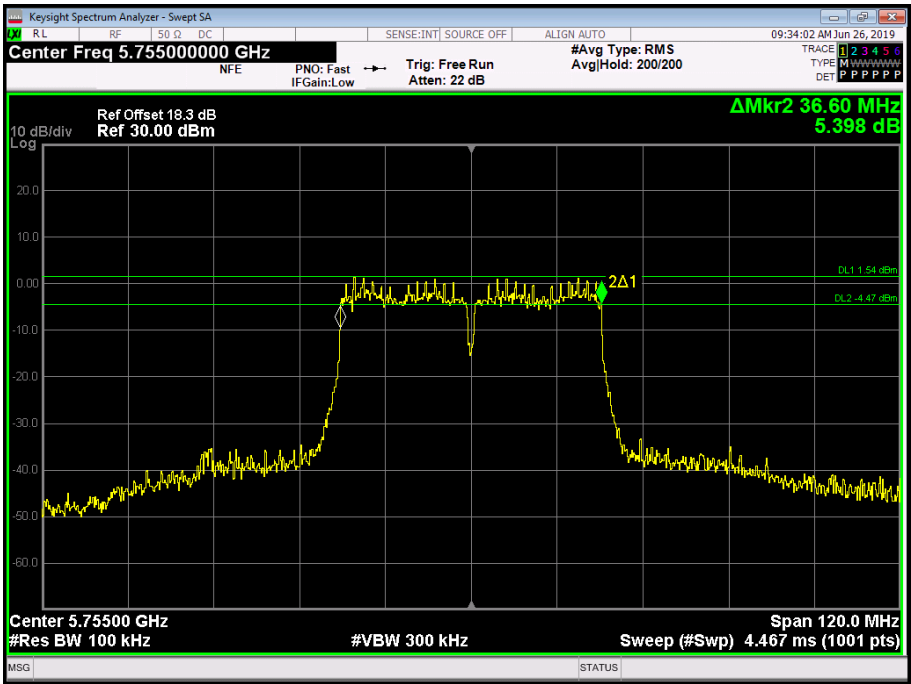


Figure 303 - 5755 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0



Figure 304 - 5755 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

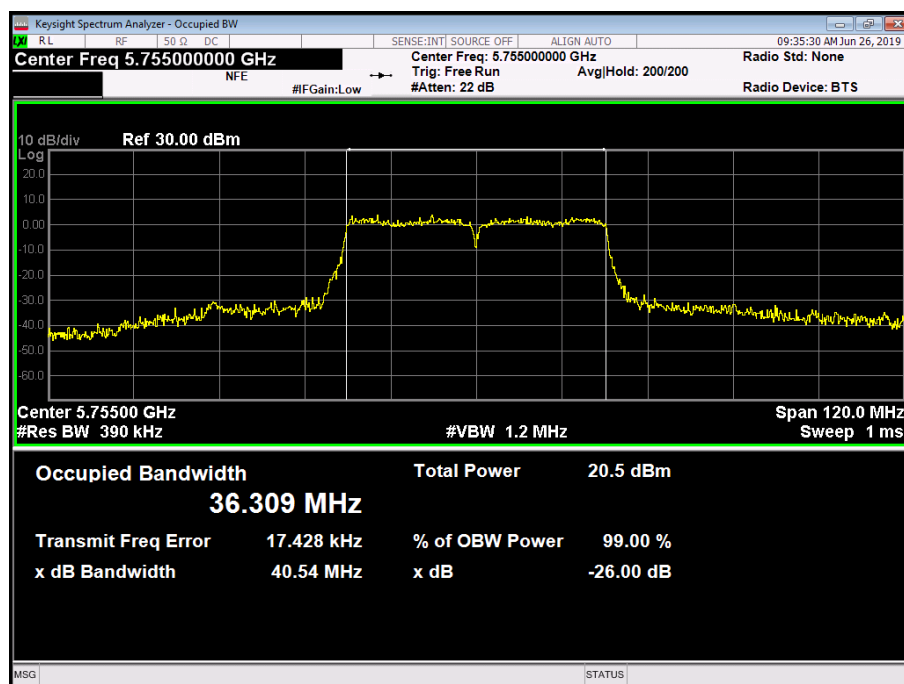


Figure 305 - 5755 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0

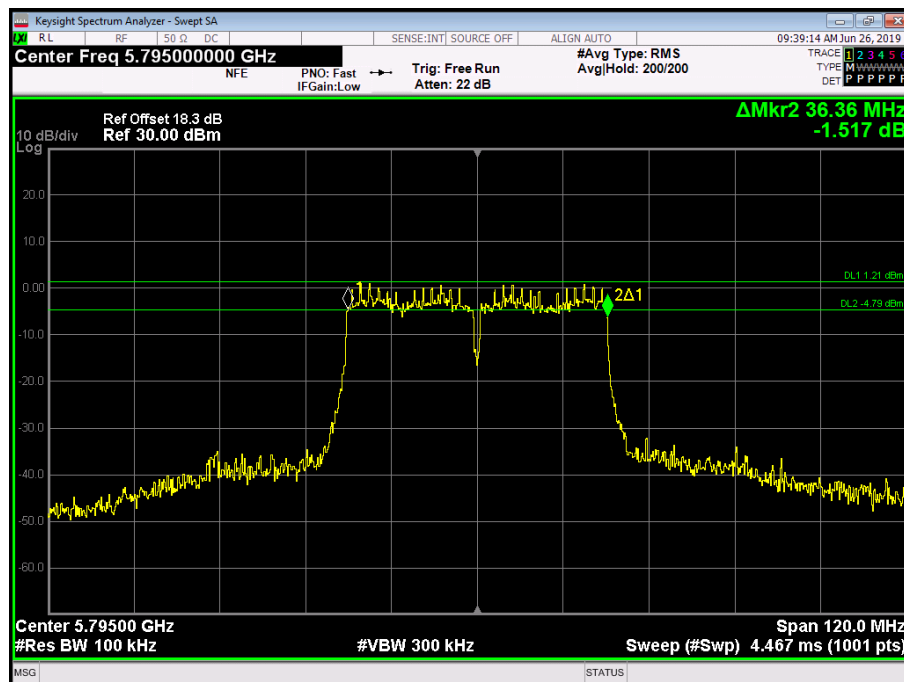


Figure 306 - 5795 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0



Figure 307 - 5795 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

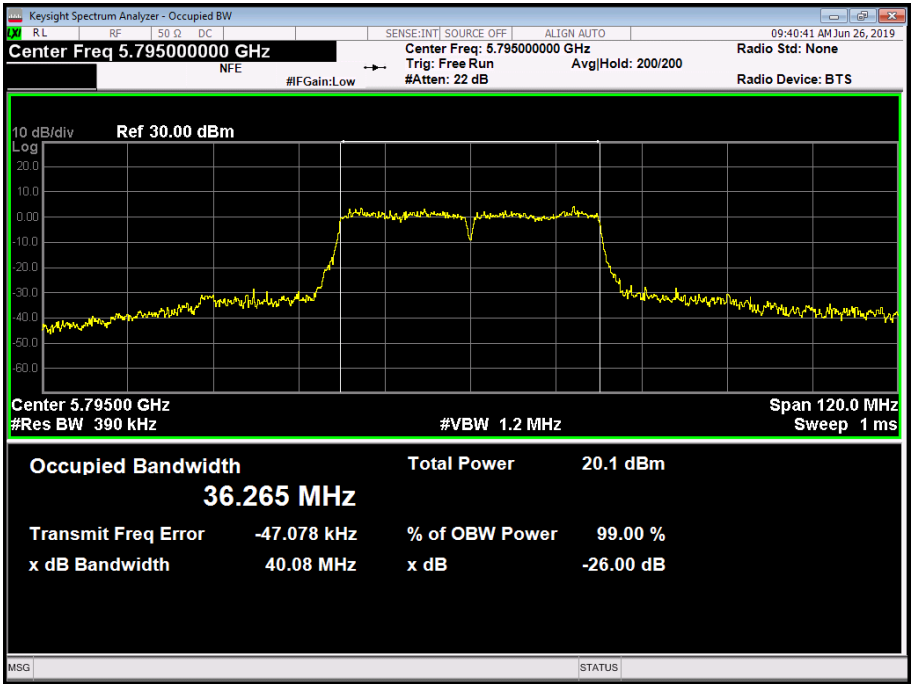


Figure 308 - 5795 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0



	5755 MHz	5795 MHz
6 dB Bandwidth (MHz)	36.360	36.000
26 dB Bandwidth (MHz)	41.400	42.600
99% Occupied Bandwidth (MHz)	36.280	36.231

Table 160 – SISO – Antenna Port 1

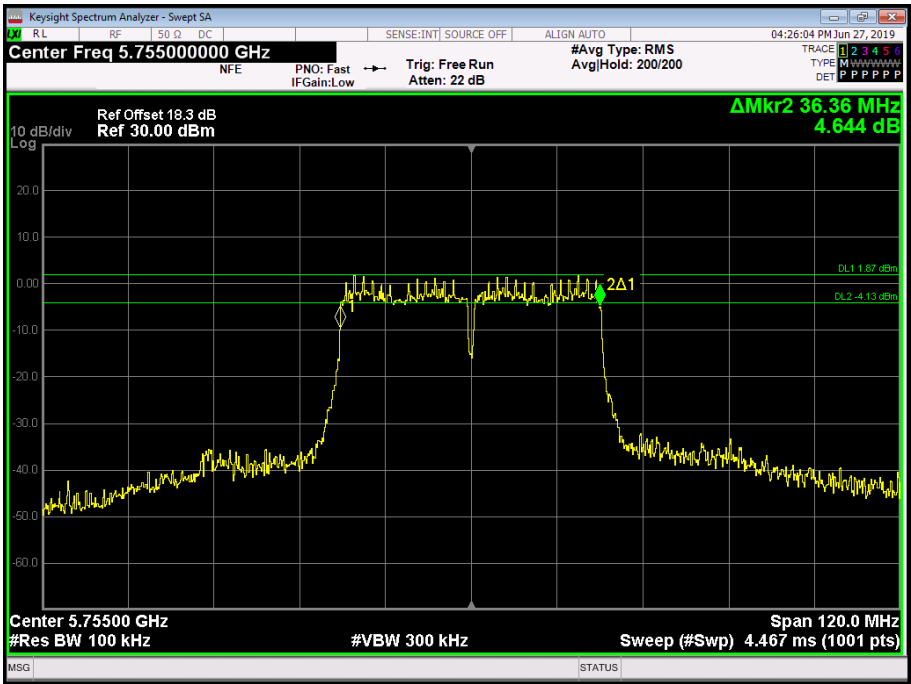


Figure 309 - 5755 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1



Figure 310 - 5755 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

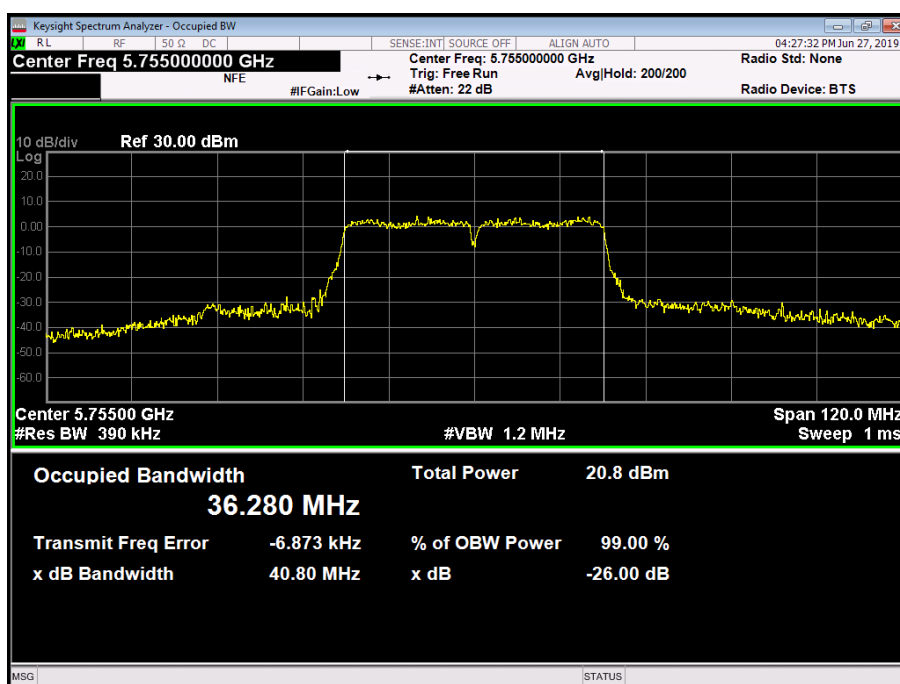


Figure 311 - 5755 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1

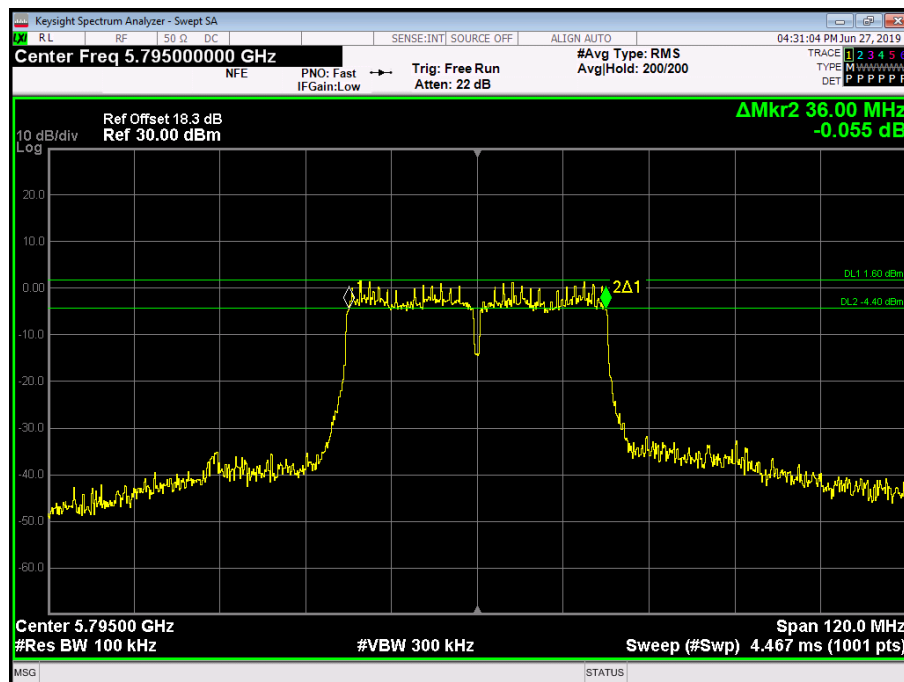


Figure 312 - 5795 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1



Figure 313 - 5795 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

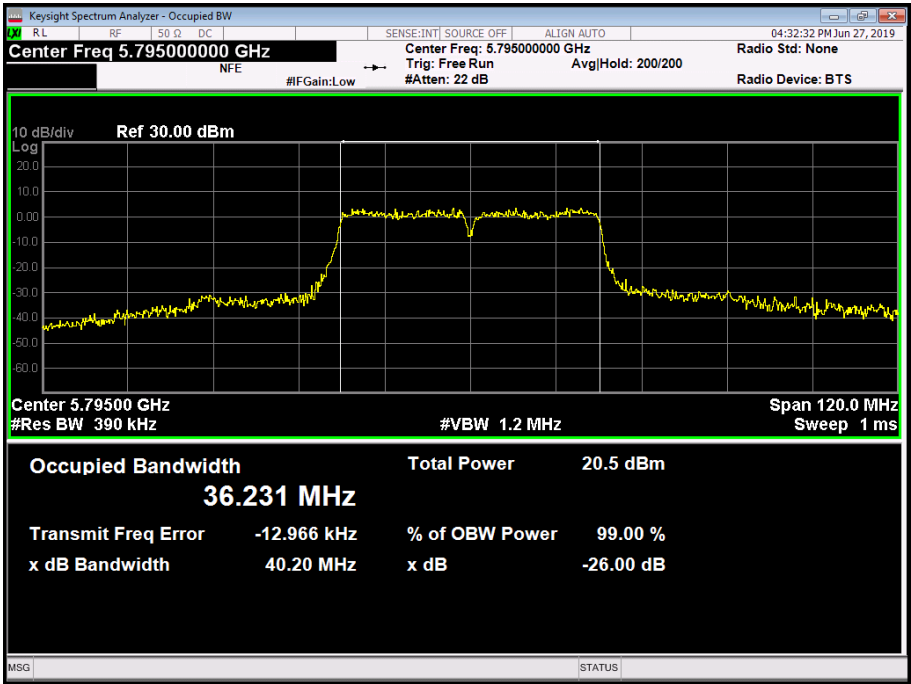


Figure 314 - 5795 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1

	5755 MHz	5795 MHz
6 dB Bandwidth (MHz)	35.640	35.760
26 dB Bandwidth (MHz)	65.760	71.160
99% Occupied Bandwidth (MHz)	36.330	36.339

Keysight Spectrum Analyzer - Swept SA

Center Freq 5.75500000 GHz

Ref Offset 18.3 dB
Ref 30.00 dBm

Span 120.0 MHz
#Res BW 100 kHz
Sweep (#Swp) 4.467 ms (1001 pts)
#VBW 300 kHz

#Avg Type: RMS
Avg/Hold: 200/200

Trig: Free Run
Atten: 22 dB

PNO: Fast
IF Gain: Low

NFE

02:54:07 PM Jul 03, 2019

2d1

Δ Mkr2 35.64 MHz
0.779 dB

DL1 1.58 dBm
DL2 -4.42 dBm

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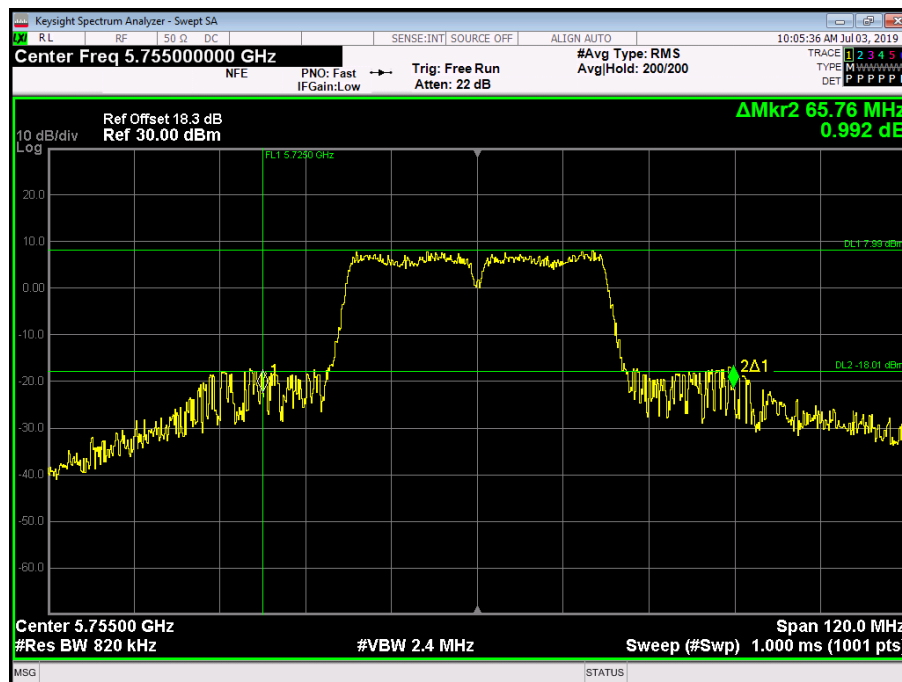


Figure 316 - 5755 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

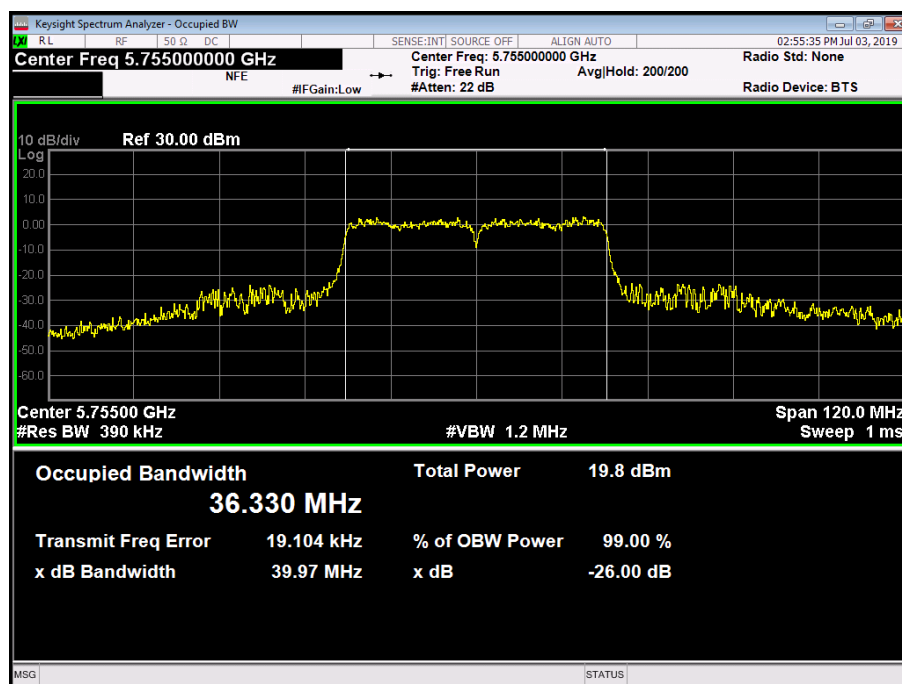


Figure 317 - 5755 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port

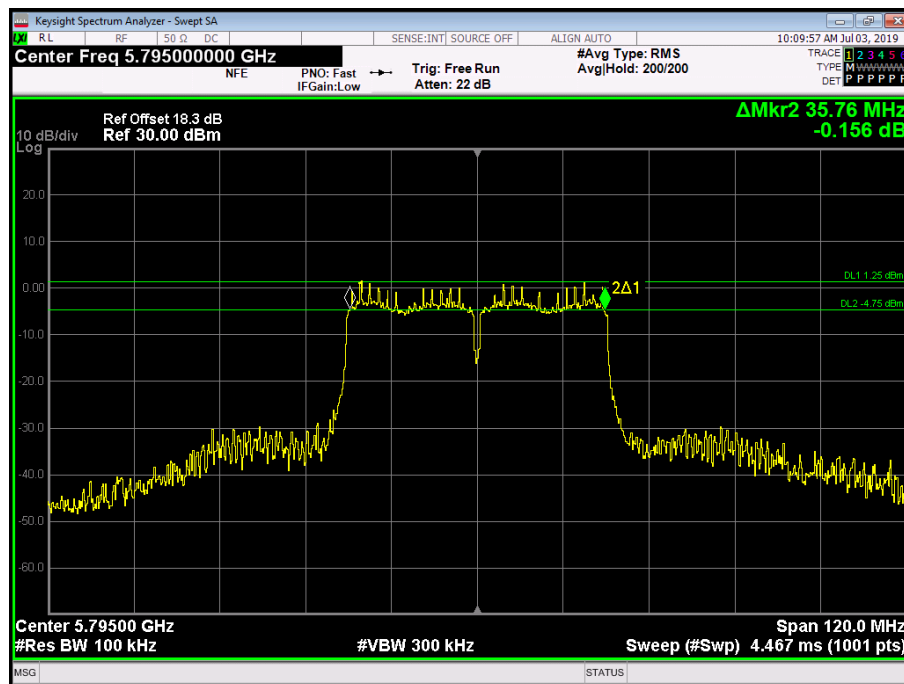


Figure 318 - 5795 MHz - 6 dB DTS Bandwidth – Worst-case Antenna Port

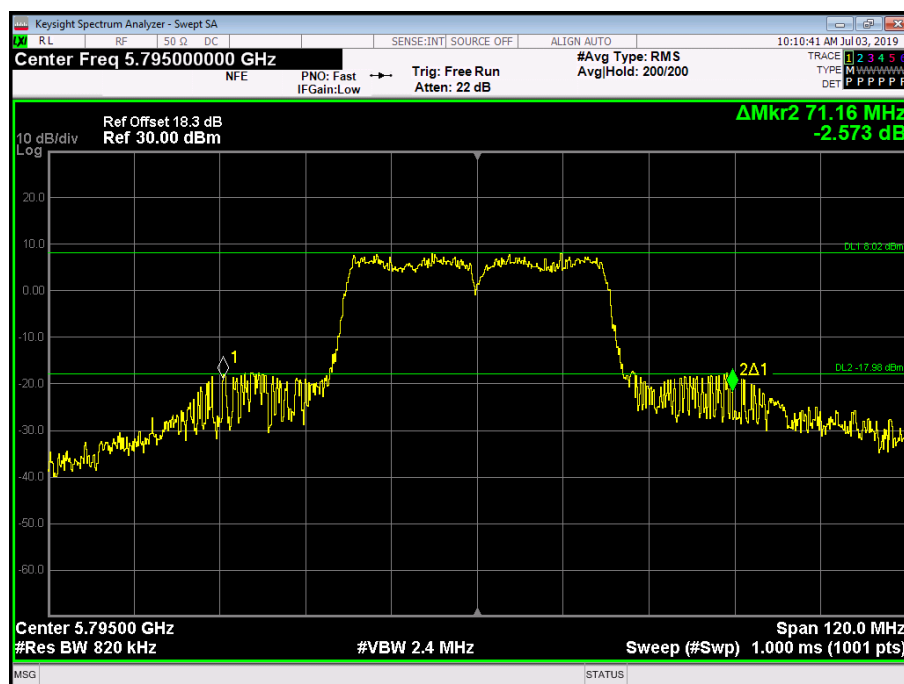


Figure 319 - 5795 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

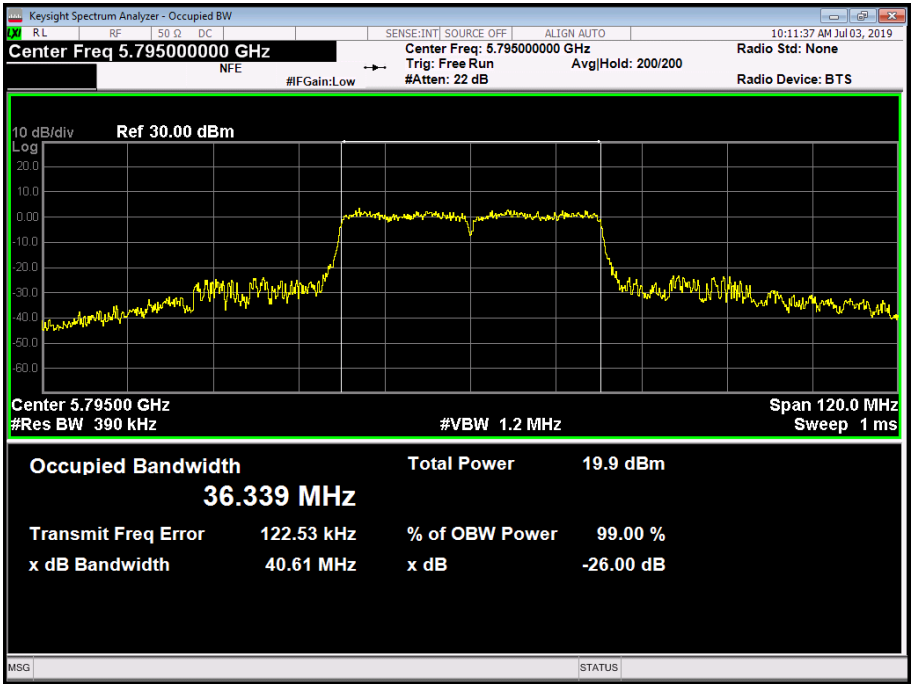


Figure 320 - 5795 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port



5 GHz WLAN - 802.11ac 20 MHz Bandwidth

Modulation Coding Scheme: MCS7

	5745 MHz	5785 MHz	5825 MHz
6 dB Bandwidth (MHz)	17.760	17.760	17.760
26 dB Bandwidth (MHz)	20.580	20.820	20.520
99% Occupied Bandwidth (MHz)	17.648	17.664	17.672

Table 162 – SISO – Antenna Port 0

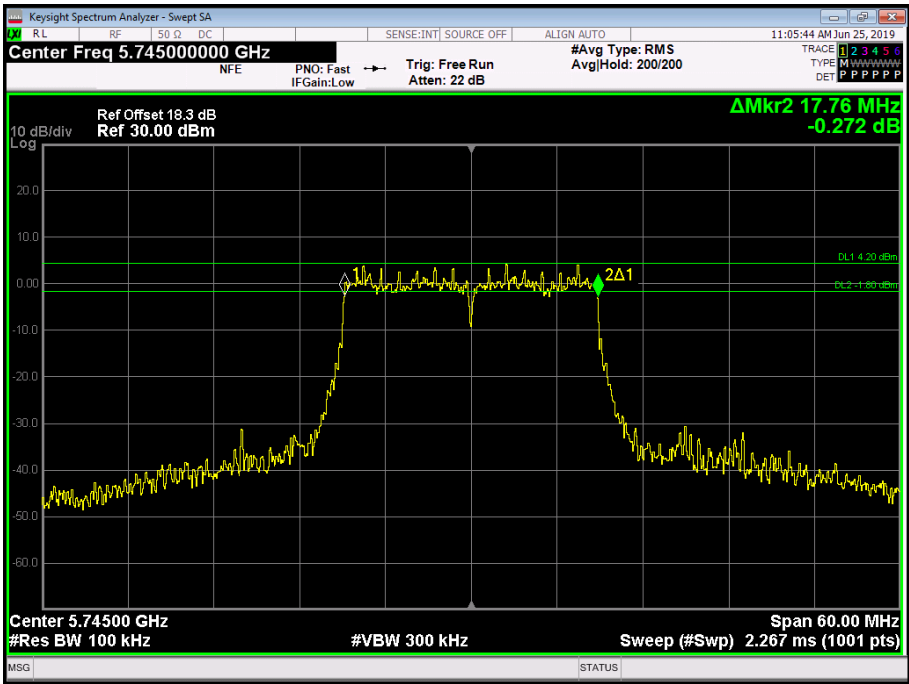


Figure 321 - 5745 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0

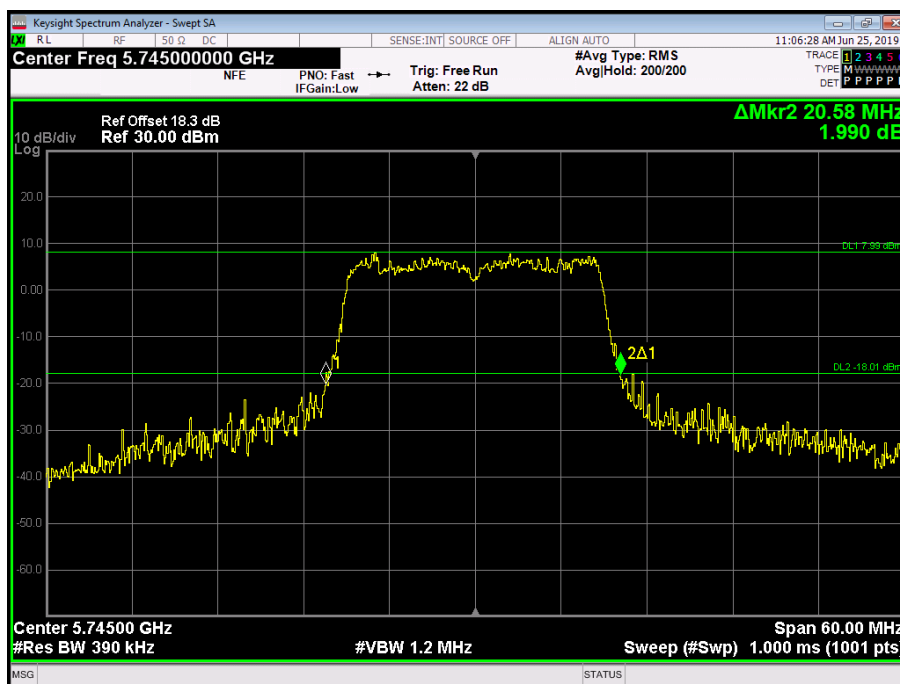


Figure 322 - 5745 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

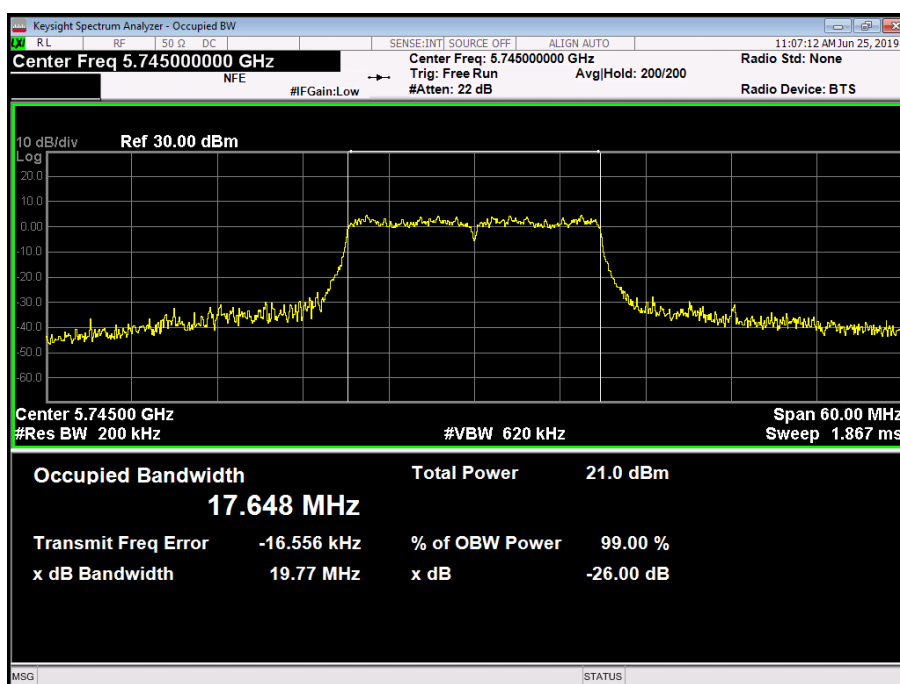


Figure 323 - 5745 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0



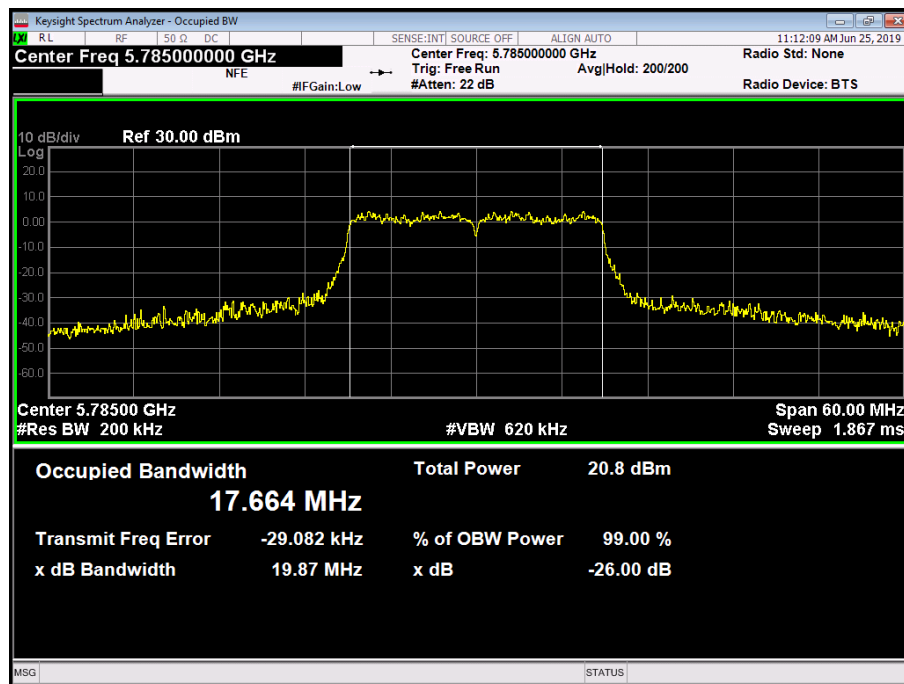


Figure 326 - 5785 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0

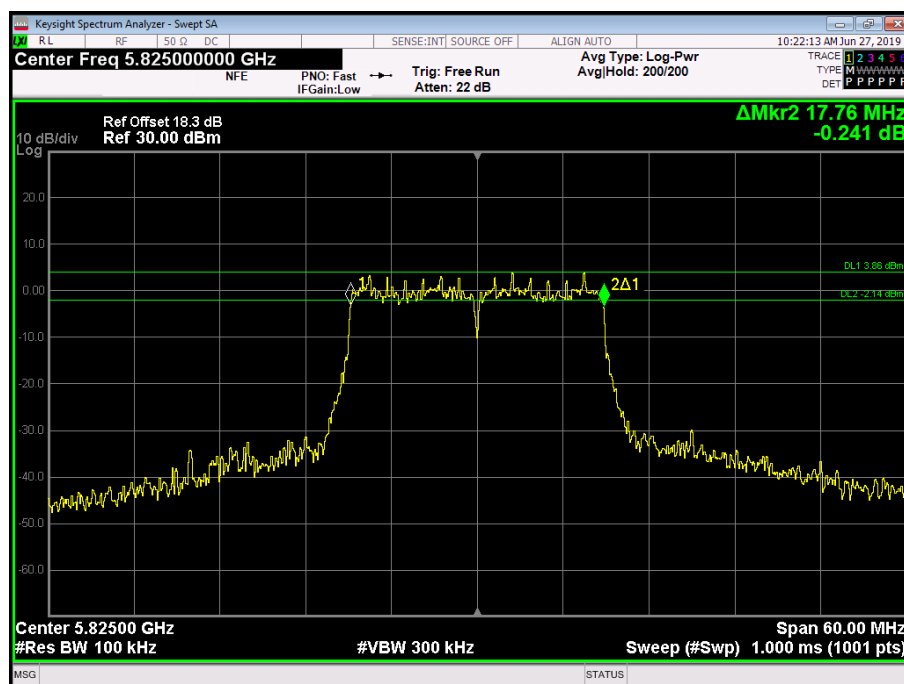


Figure 327 - 5825 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0

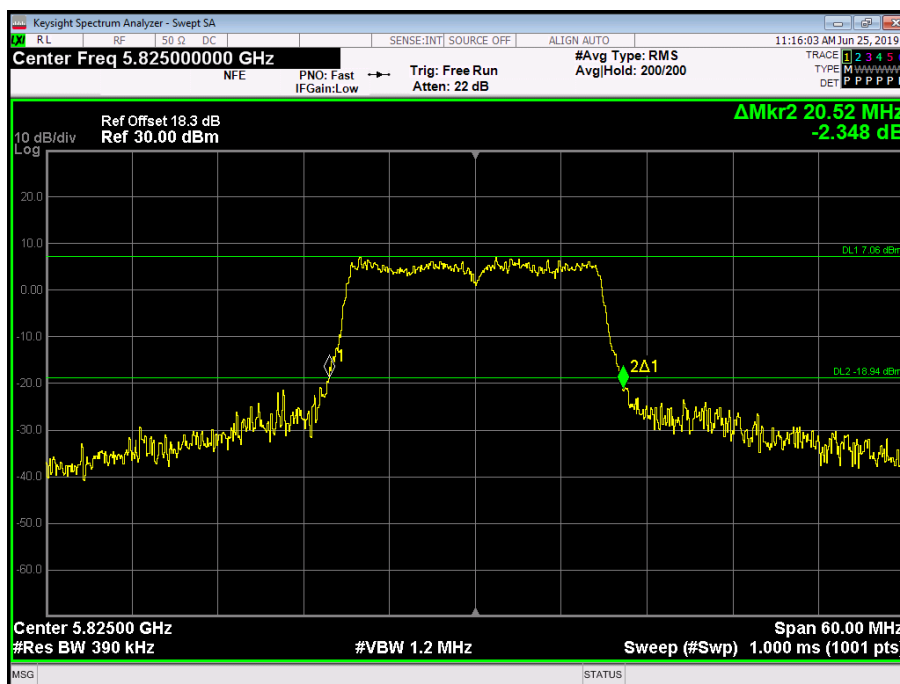


Figure 328 - 5825 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

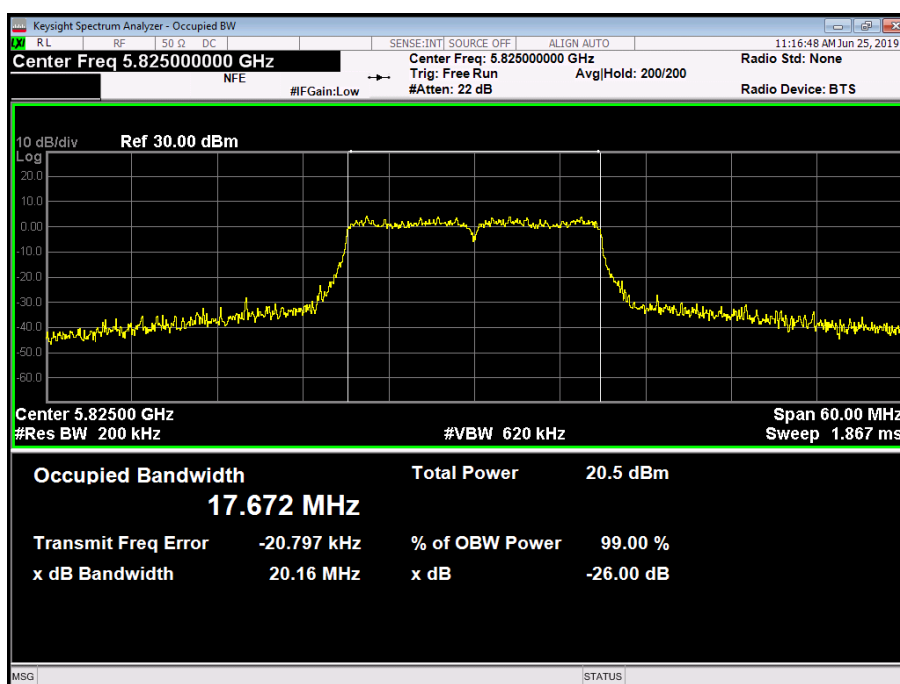


Figure 329 - 5825 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0



	5745 MHz	5785 MHz	5825 MHz
6 dB Bandwidth (MHz)	17.700	17.820	17.760
26 dB Bandwidth (MHz)	21.660	20.220	20.040
99% Occupied Bandwidth (MHz)	17.670	17.673	17.671

Table 163 – SISO – Antenna Port 1

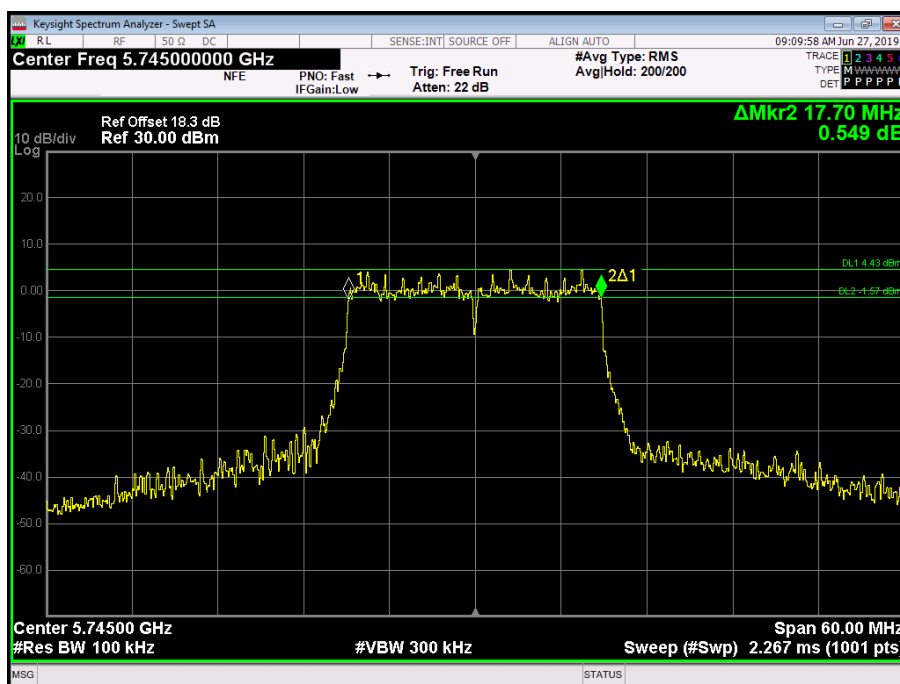


Figure 330 - 5745 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1

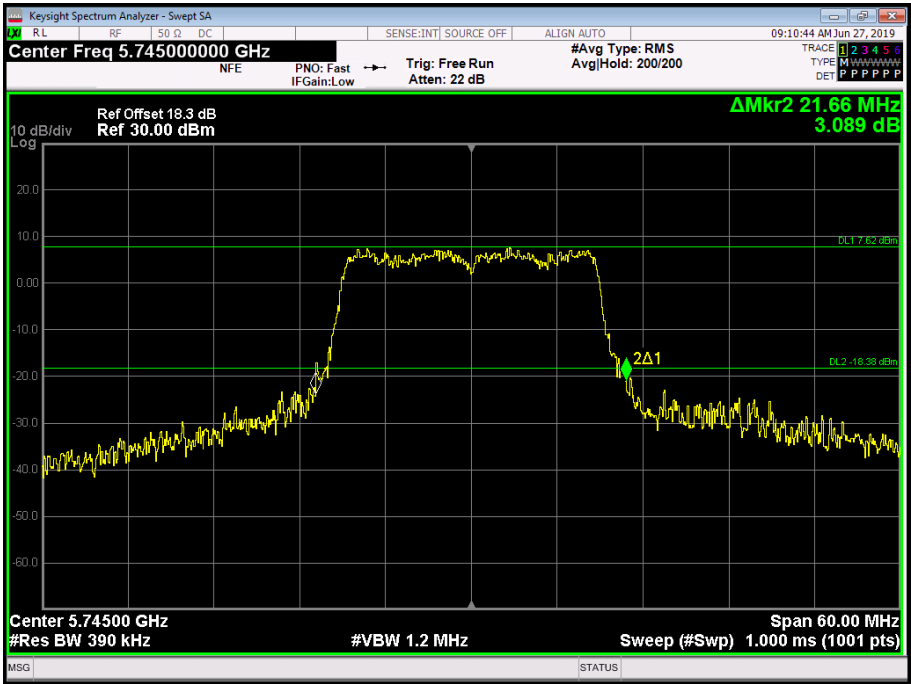


Figure 331 - 5745 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

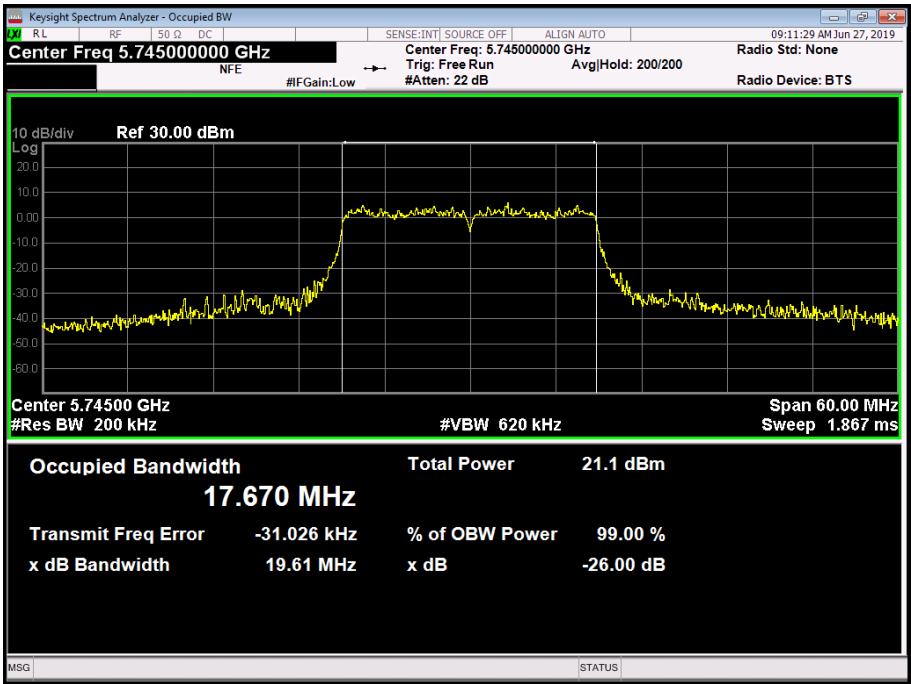


Figure 332 - 5745 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1

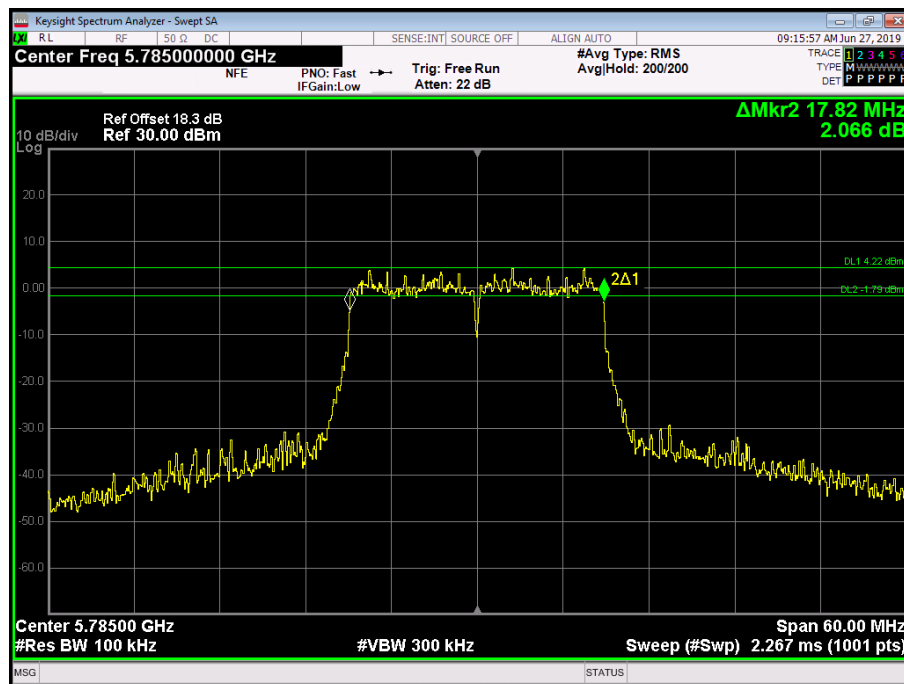


Figure 333 - 5785 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1

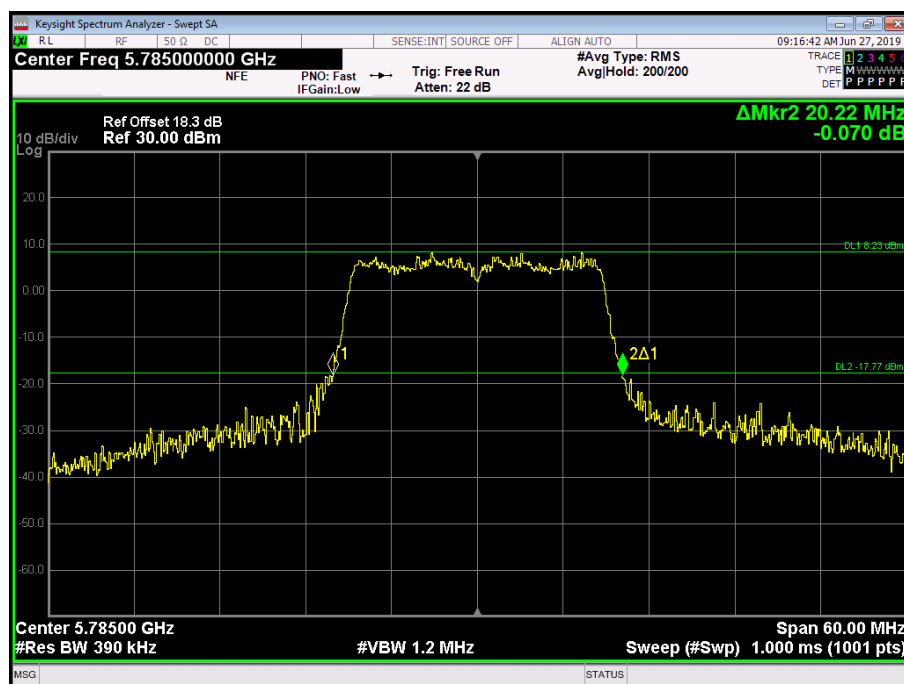


Figure 334 - 5785 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

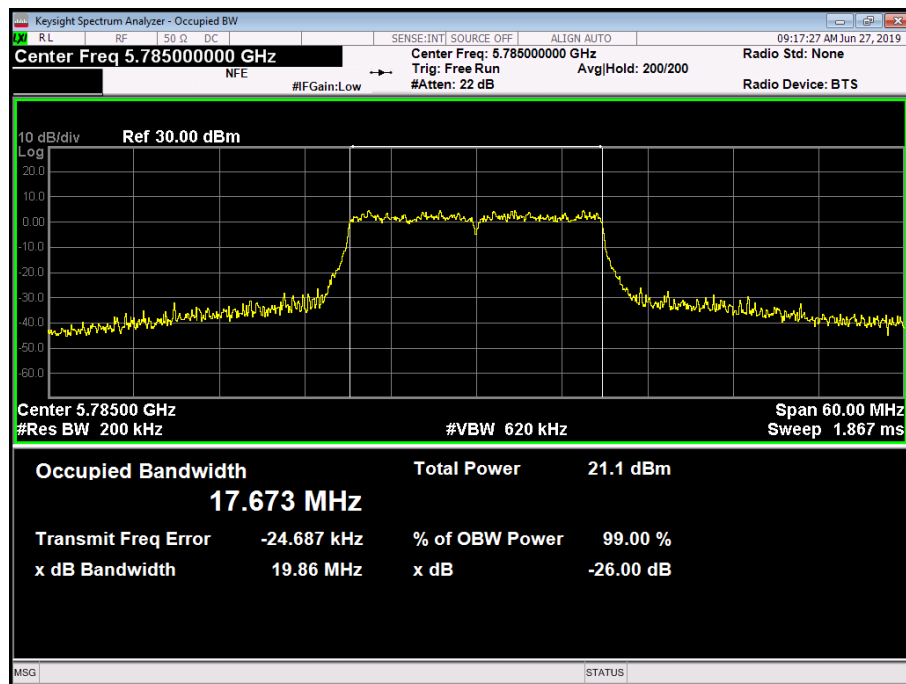


Figure 335 - 5785 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1

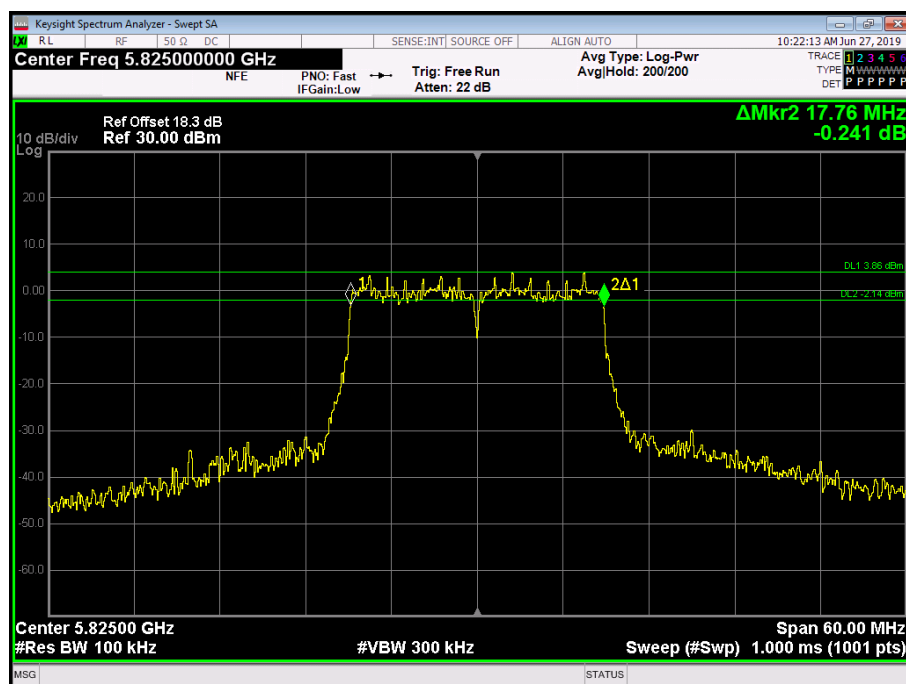


Figure 336 - 5825 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1

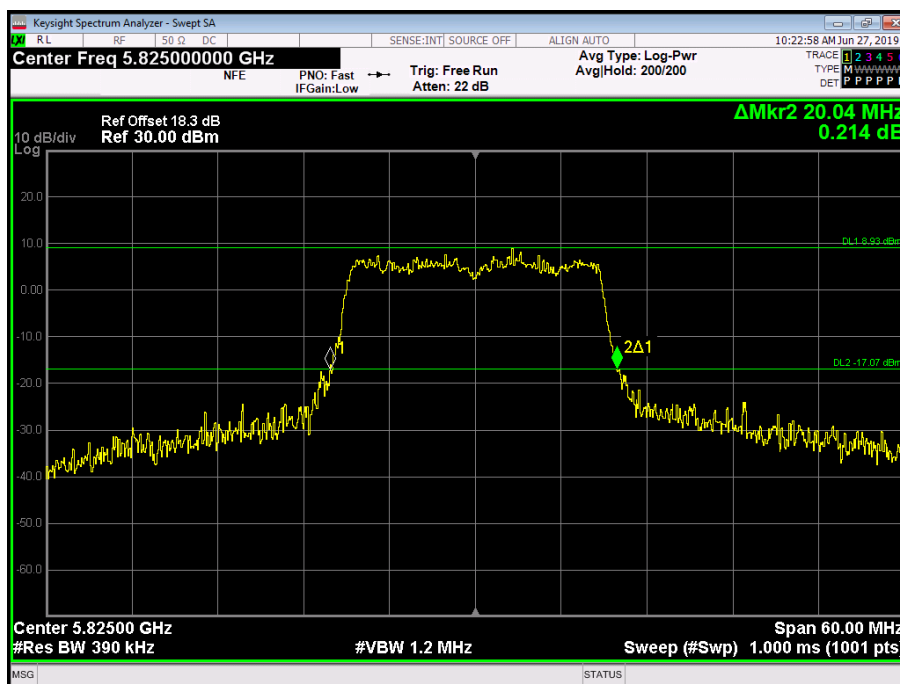


Figure 337 - 5825 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

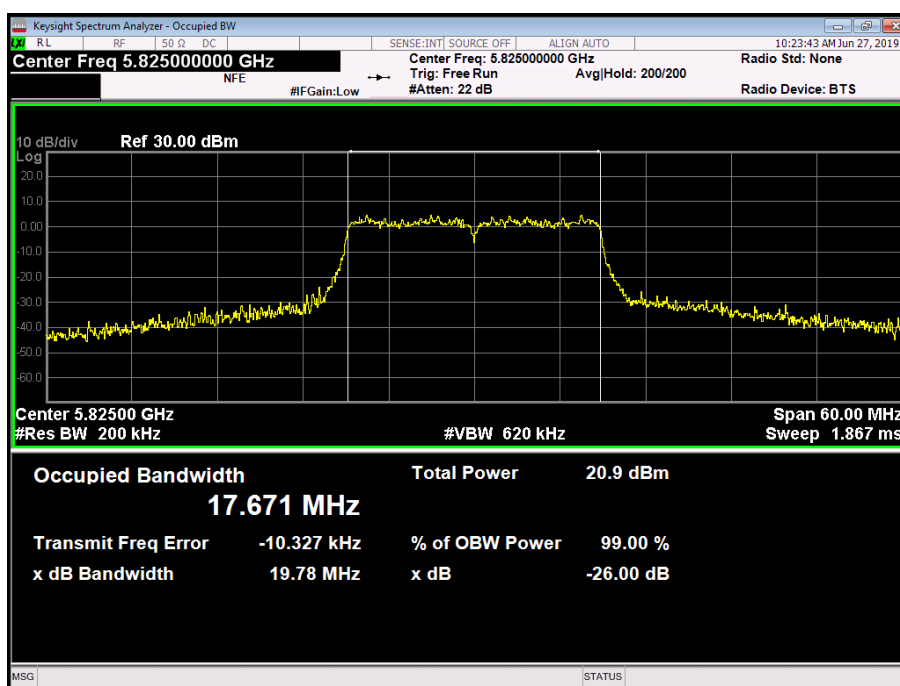


Figure 338 - 5825 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1



Modulation Coding Scheme: MCS0

	5745 MHz	5785 MHz	5825 MHz
6 dB Bandwidth (MHz)	17.640	17.520	17.400
26 dB Bandwidth (MHz)	20.640	20.760	20.580
99% Occupied Bandwidth (MHz)	17.680	17.681	17.692

Table 164 – Worst-case Antenna Port – MIMO CDD

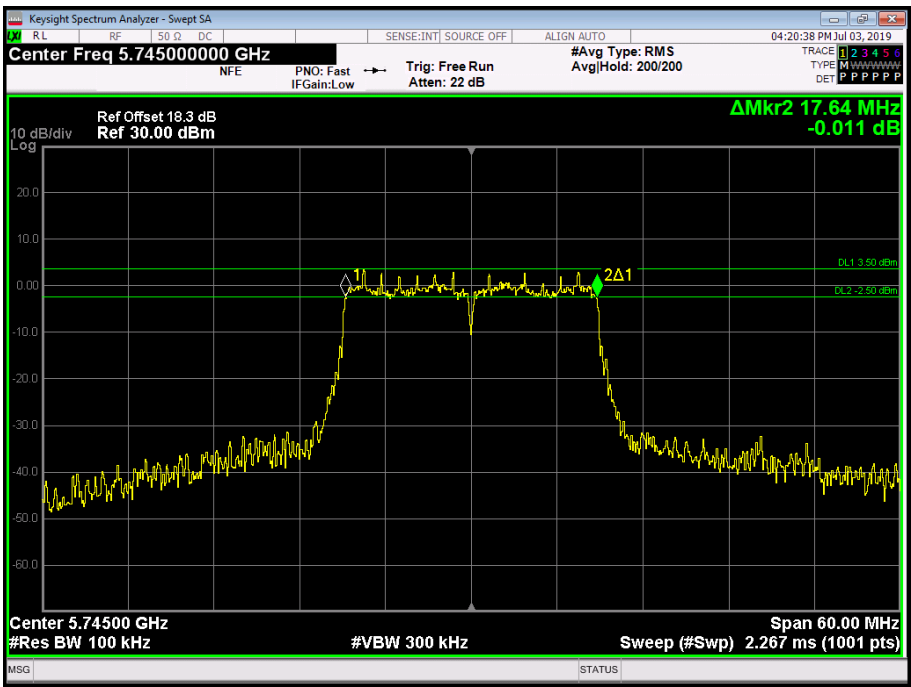


Figure 339 - 5745 MHz - 6 dB DTS Bandwidth – Worst-case Antenna Port

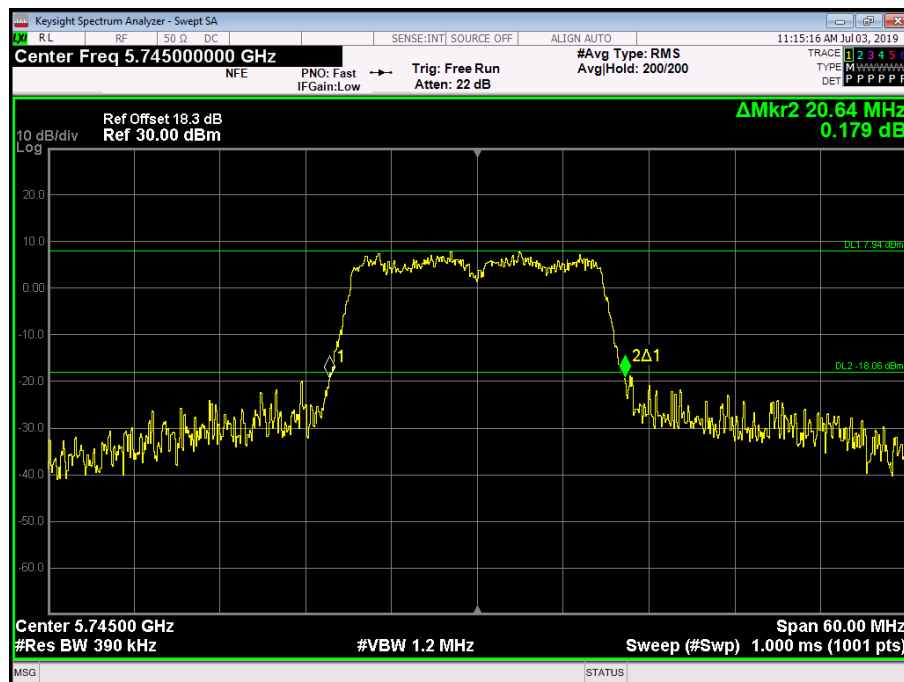


Figure 340 - 5745 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

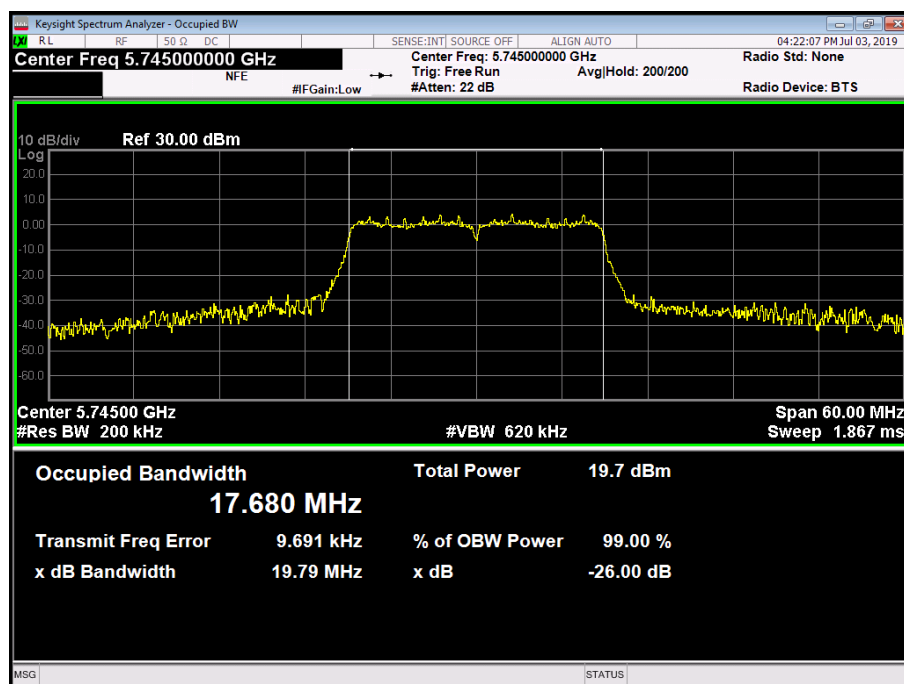


Figure 341 - 5745 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port

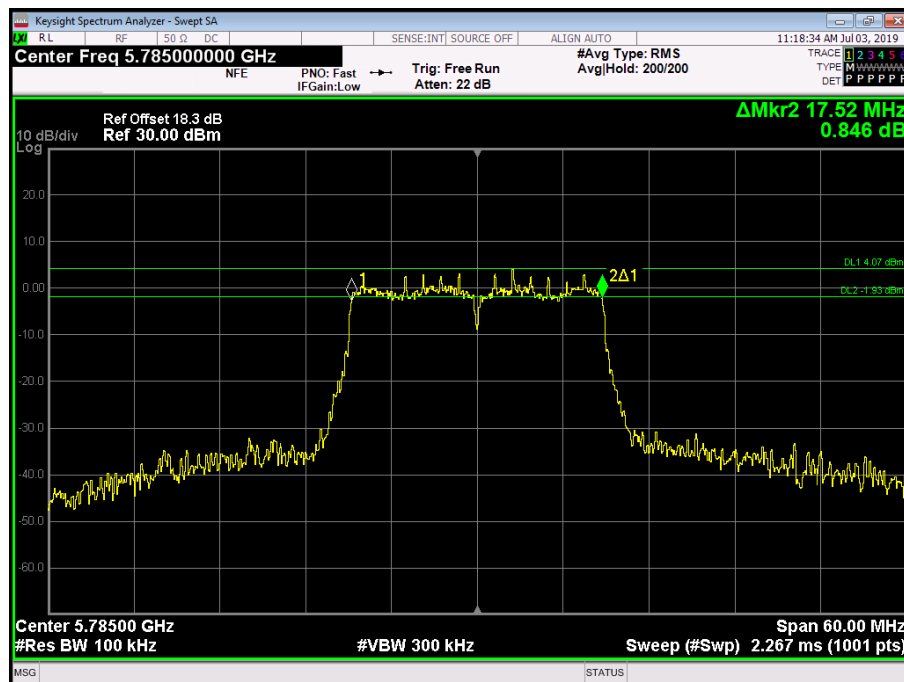


Figure 342 - 5785 MHz - 6 dB DTS Bandwidth – Worst-case Antenna Port

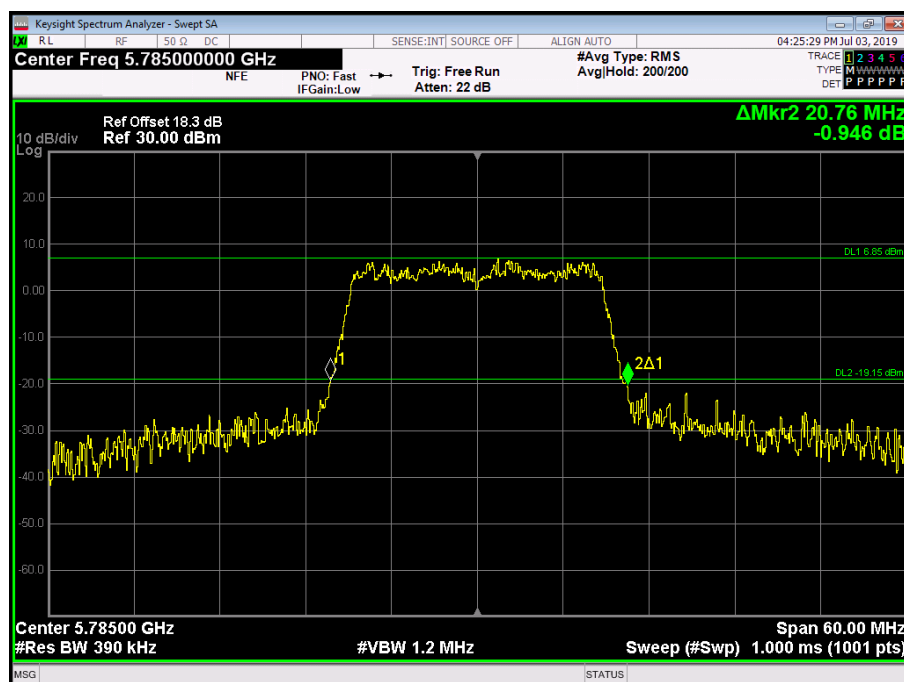


Figure 343 - 5785 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

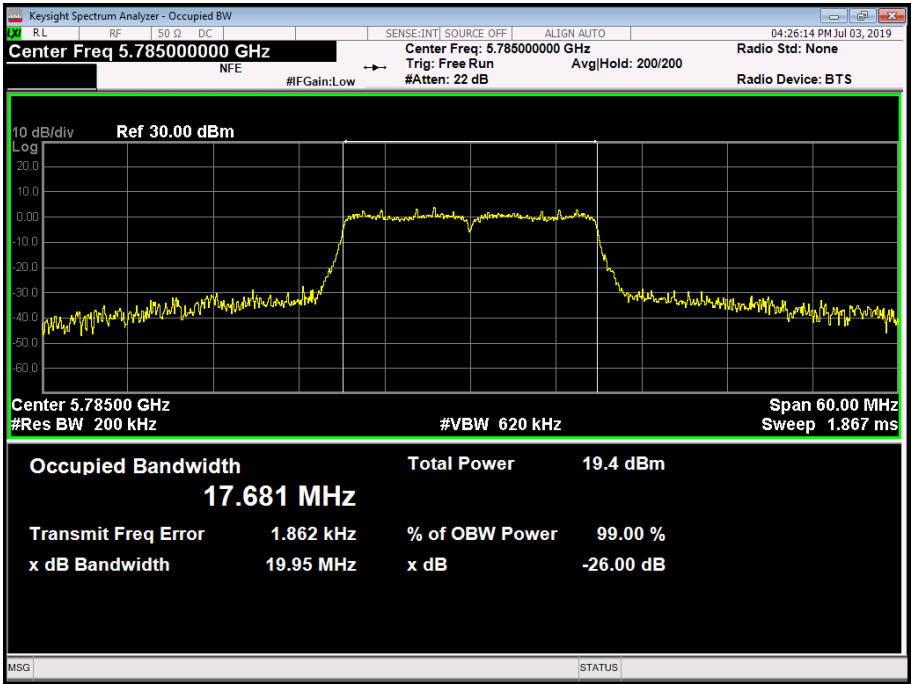


Figure 344 - 5785 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port

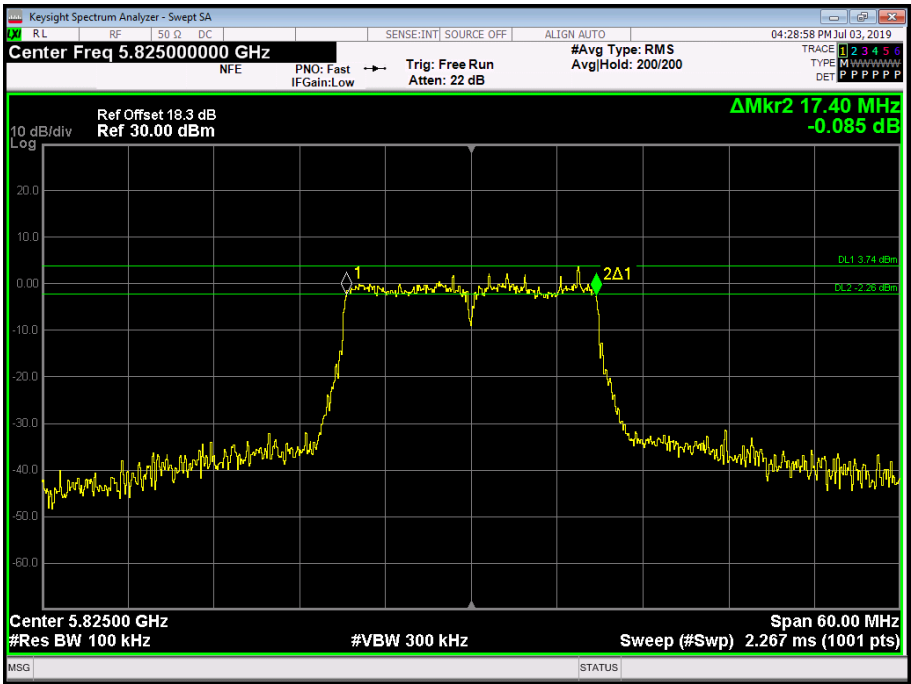


Figure 345 - 5825 MHz - 6 dB DTS Bandwidth – Worst-case Antenna Port

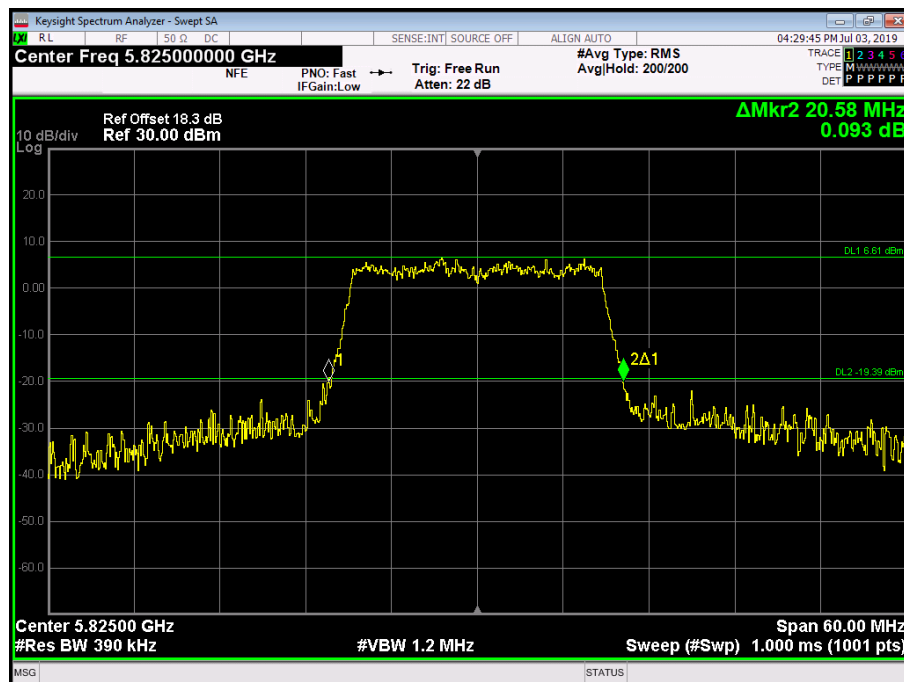


Figure 346 - 5825 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

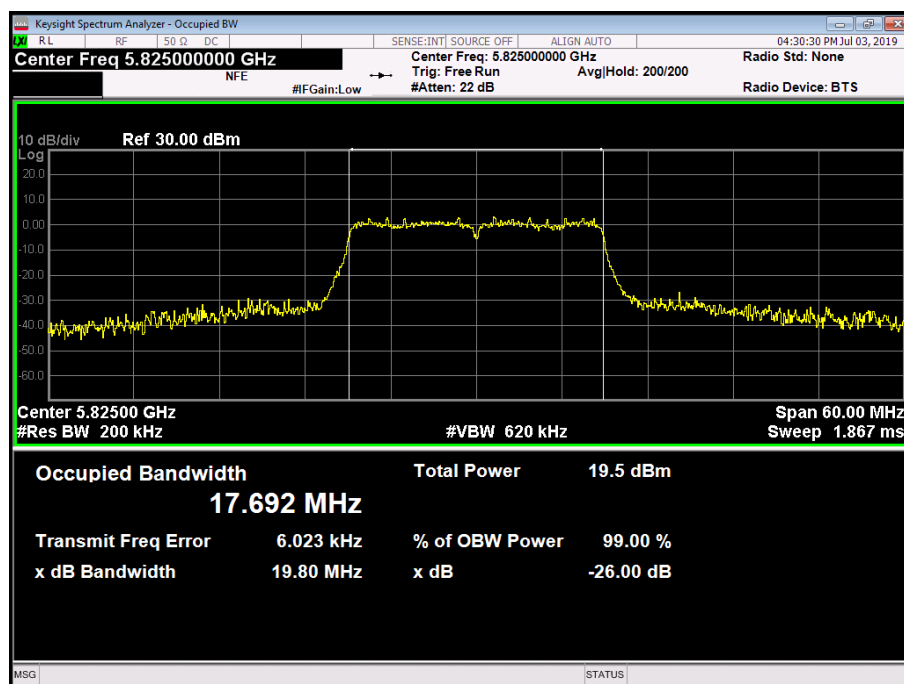


Figure 347 - 5825 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port

Modulation Coding Scheme: MCS9

	5755 MHz	5795 MHz
6 dB Bandwidth (MHz)	36.240	36.120
26 dB Bandwidth (MHz)	41.760	41.280
99% Occupied Bandwidth (MHz)	36.418	36.446

Table 165 – SISO – Antenna Port 0

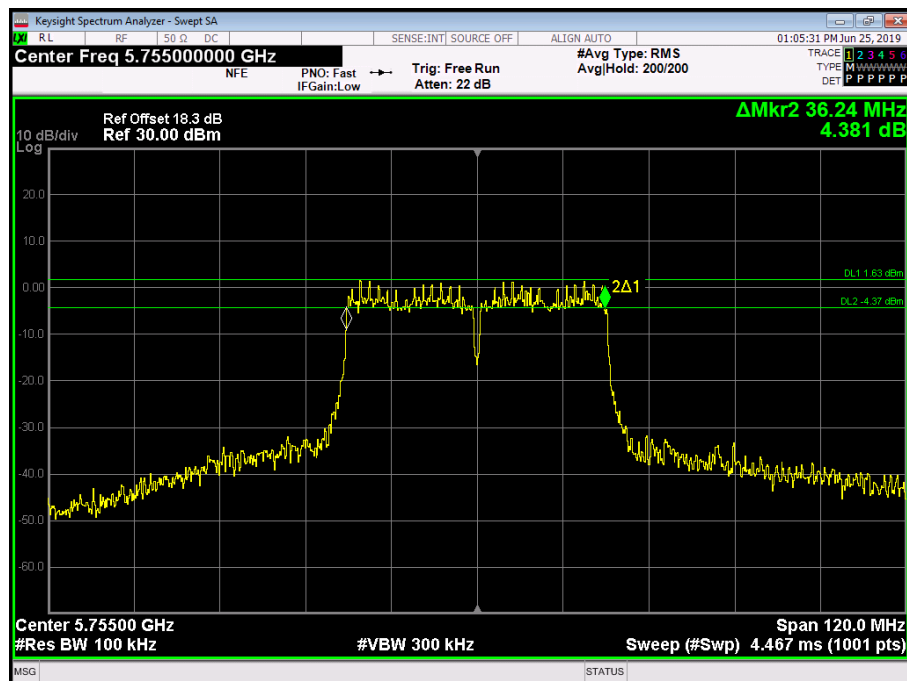


Figure 348 - 5755 MHz - 6 dB DTS Bandwidth



Figure 349 - 5755 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

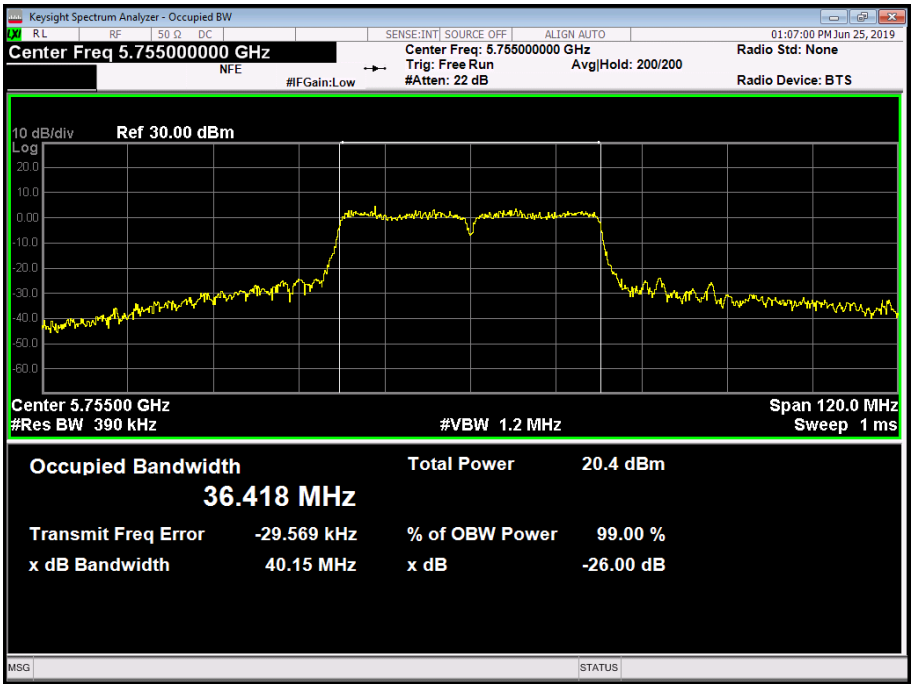


Figure 350 - 5755 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0

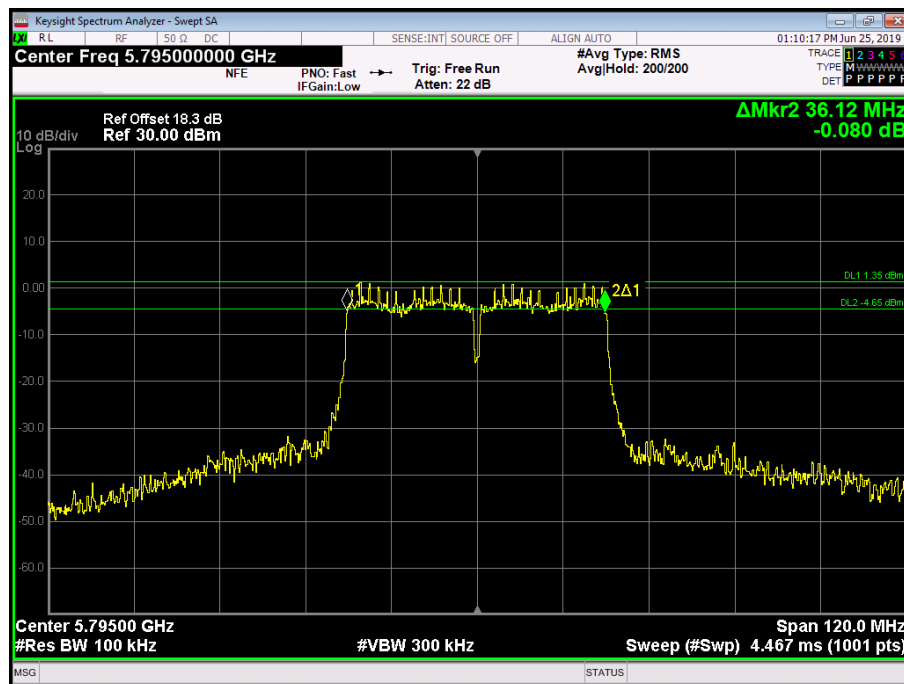


Figure 351 - 5795 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0



Figure 352 - 5795 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

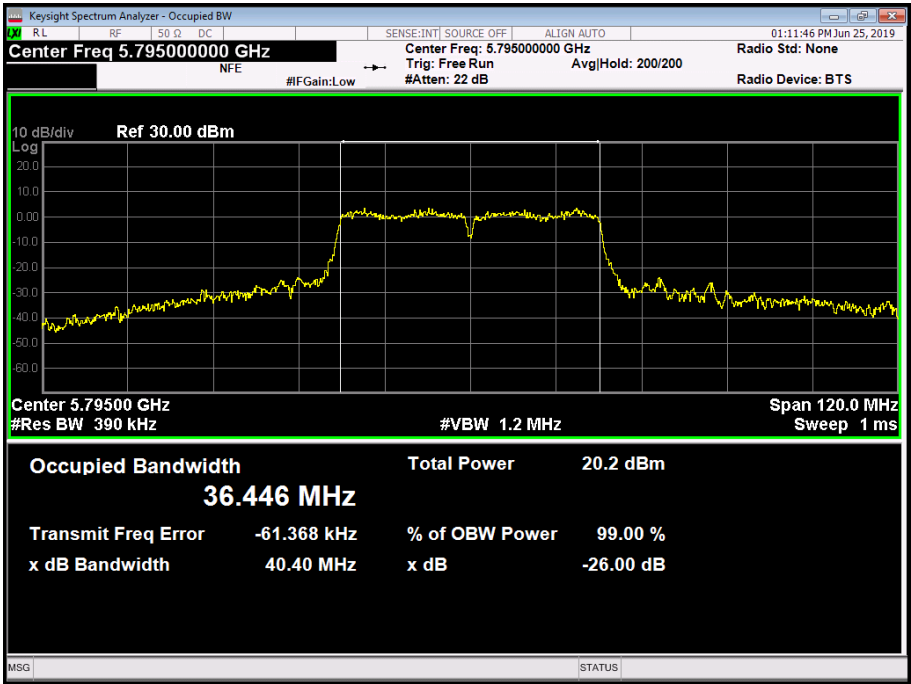


Figure 353 - 5795 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0



	5755 MHz	5795 MHz
6 dB Bandwidth (MHz)	36.120	36.360
26 dB Bandwidth (MHz)	50.760	42.240
99% Occupied Bandwidth (MHz)	36.430	36.429

Table 166 – SISO – Antenna Port 1

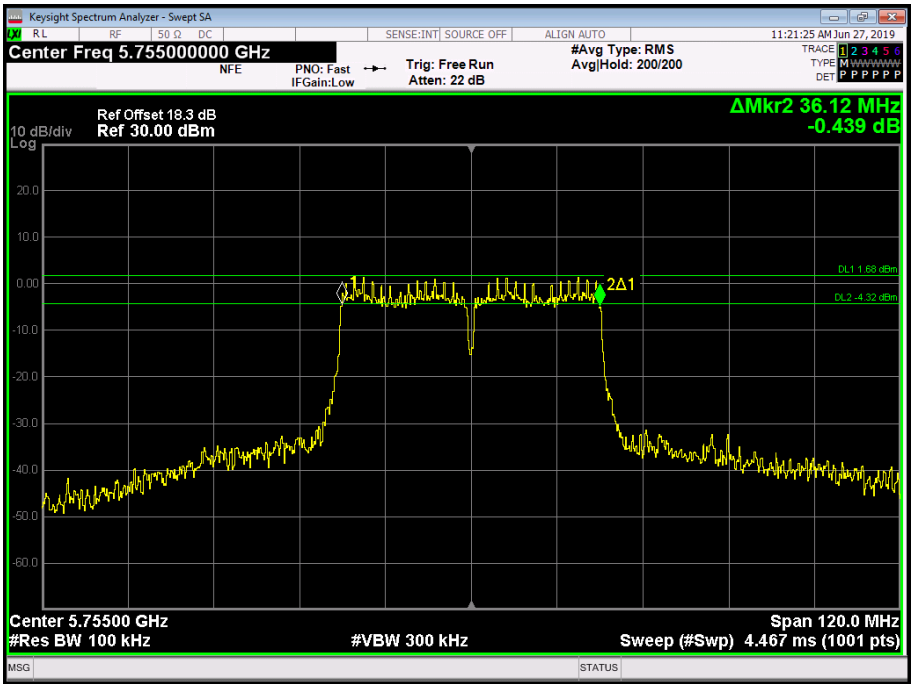


Figure 354 - 5755 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1

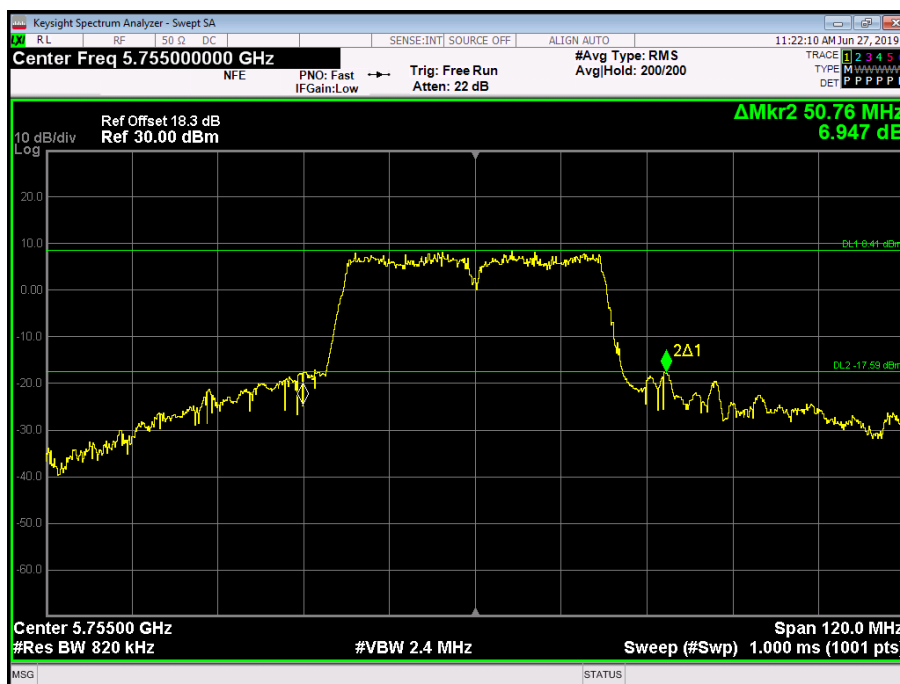


Figure 355 - 5755 MHz - 26 dB Emission Bandwidth– Antenna Port 1

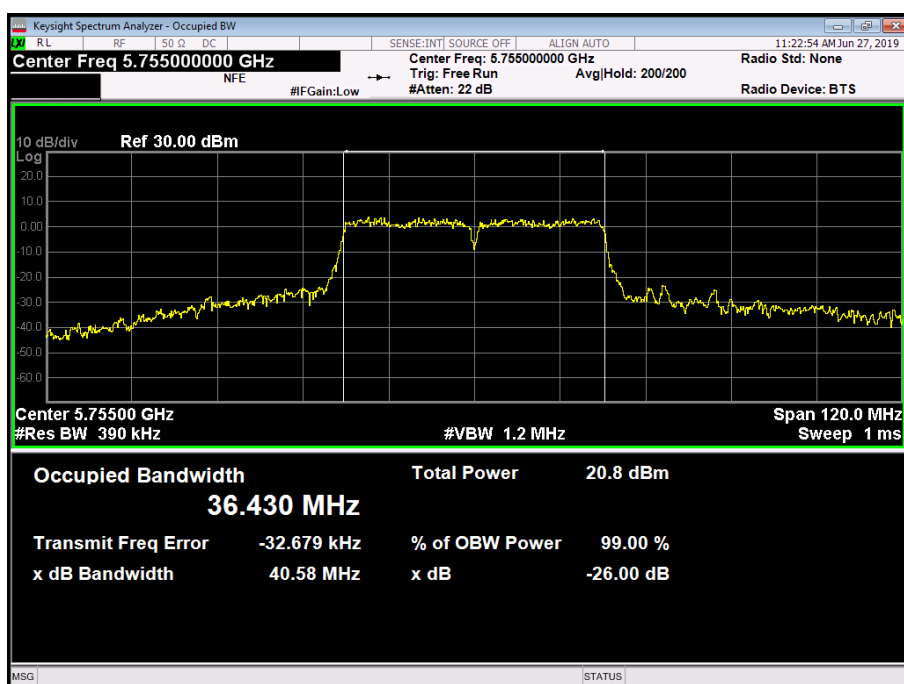


Figure 356 - 5755 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1

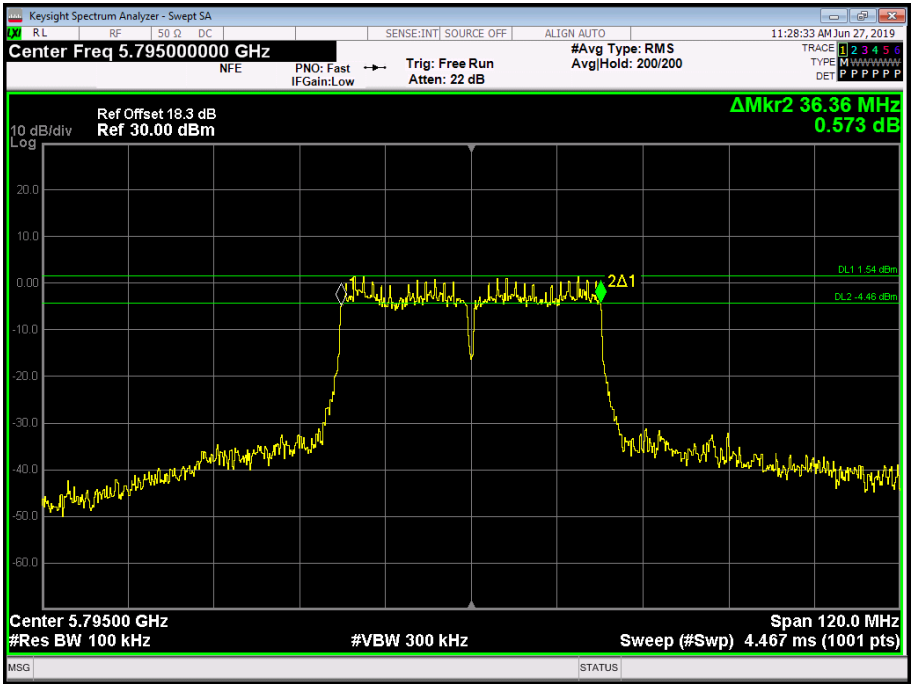


Figure 357 - 5795 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1



Figure 358 - 5795 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

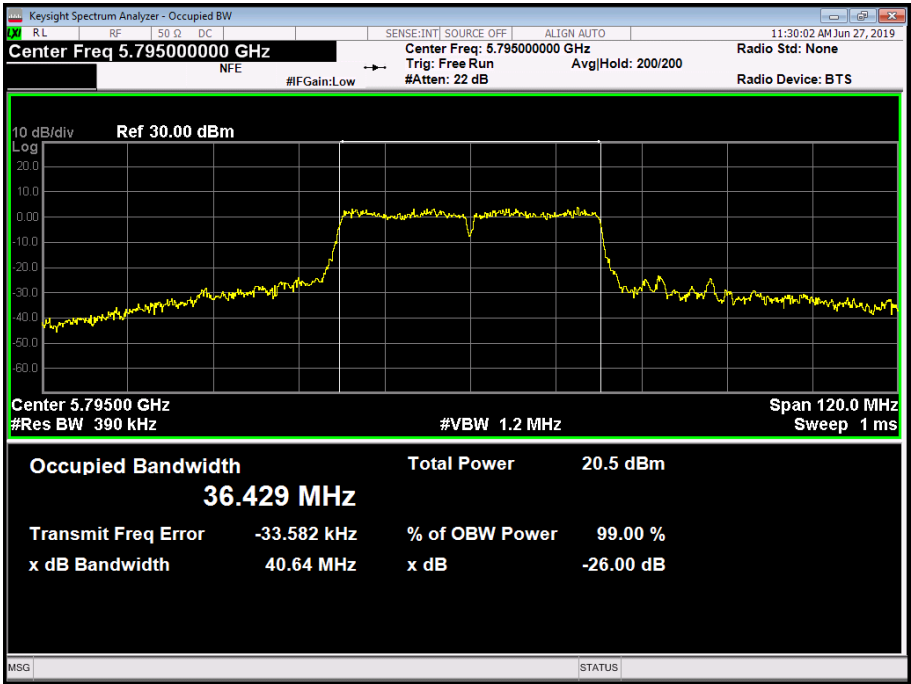


Figure 359 - 5795 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1



Modulation Coding Scheme: MCS0

	5755 MHz	5795 MHz
6 dB Bandwidth (MHz)	35.400	35.760
26 dB Bandwidth (MHz)	74.880	61.680
99% Occupied Bandwidth (MHz)	36.294	36.315

Table 167 – Worst-case Antenna Port – MIMO CDD

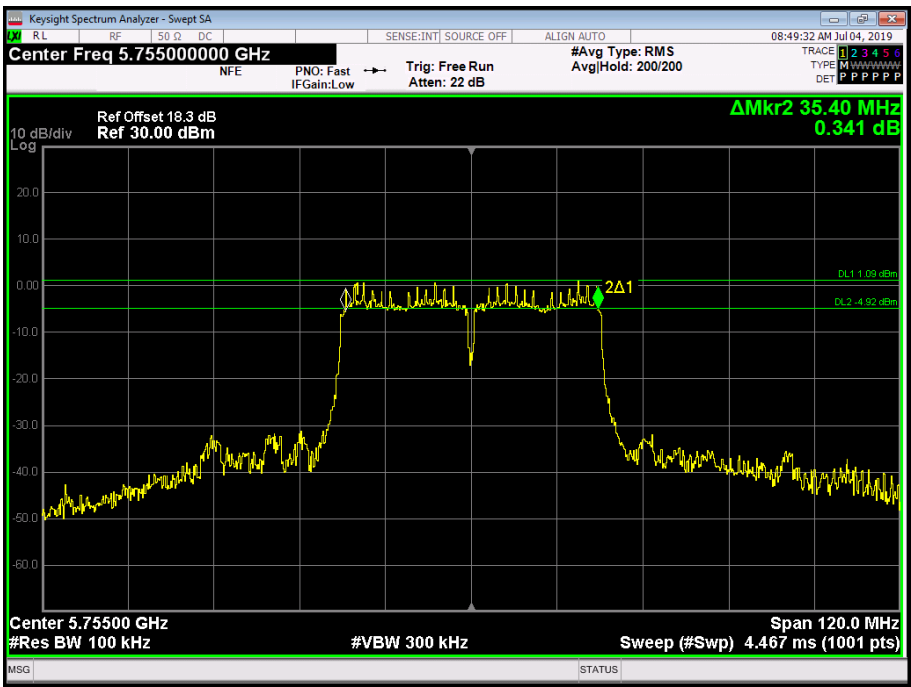


Figure 360 - 5755 MHz - 6 dB DTS Bandwidth – Worst-case Antenna Port



Figure 361 - 5755 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

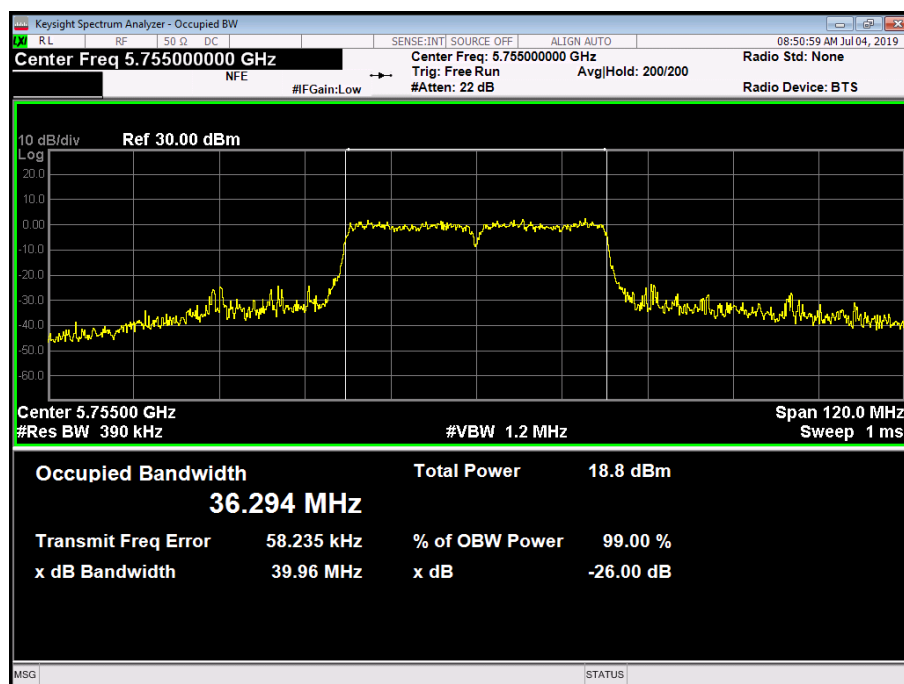


Figure 362 - 5755 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port



Figure 363 - 5795 MHz - 6 dB DTS Bandwidth – Worst-case Antenna Port



Figure 364 - 5795 MHz - 26 dB Emission Bandwidth – Worst-case Antenna Port

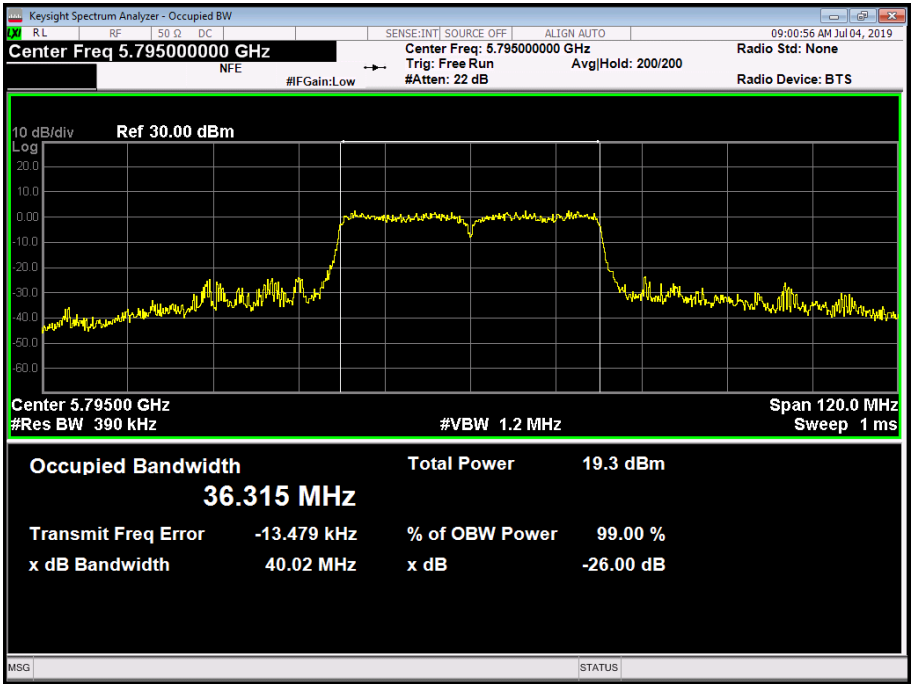


Figure 365 - 5795 MHz - 99% Occupied Bandwidth – Worst-case Antenna Port



5 GHz WLAN - 802.11ac 80 MHz Bandwidth

Modulation Coding Scheme: MCS5

	5755 MHz
6 dB Bandwidth (MHz)	76.800
26 dB Bandwidth (MHz)	82.320
99% Occupied Bandwidth (MHz)	75.971

Table 168 – SISO – Antenna Port 0

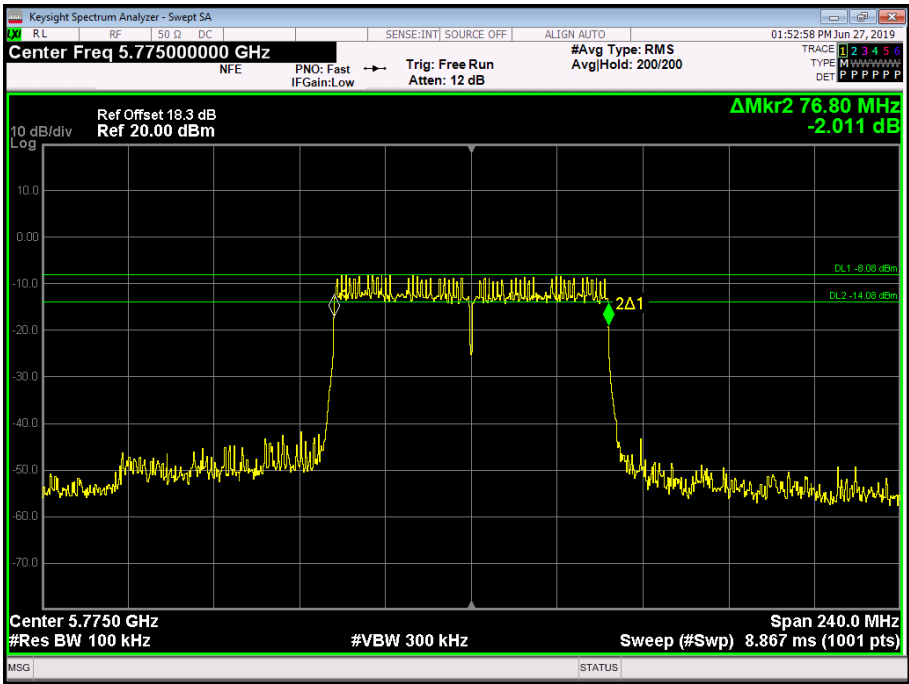


Figure 366 - 5775 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 0

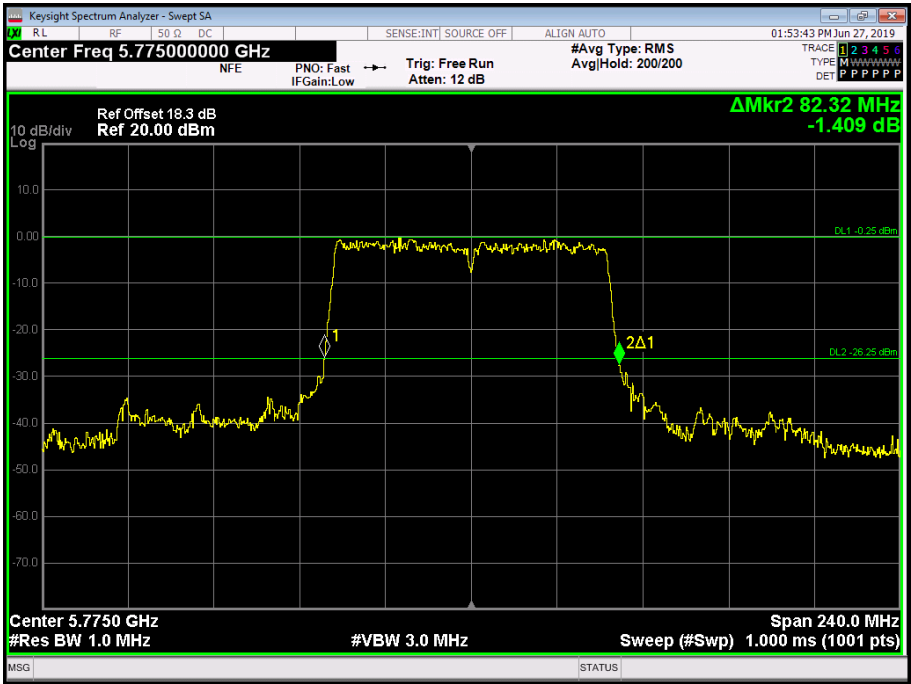


Figure 367 - 5775 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 0

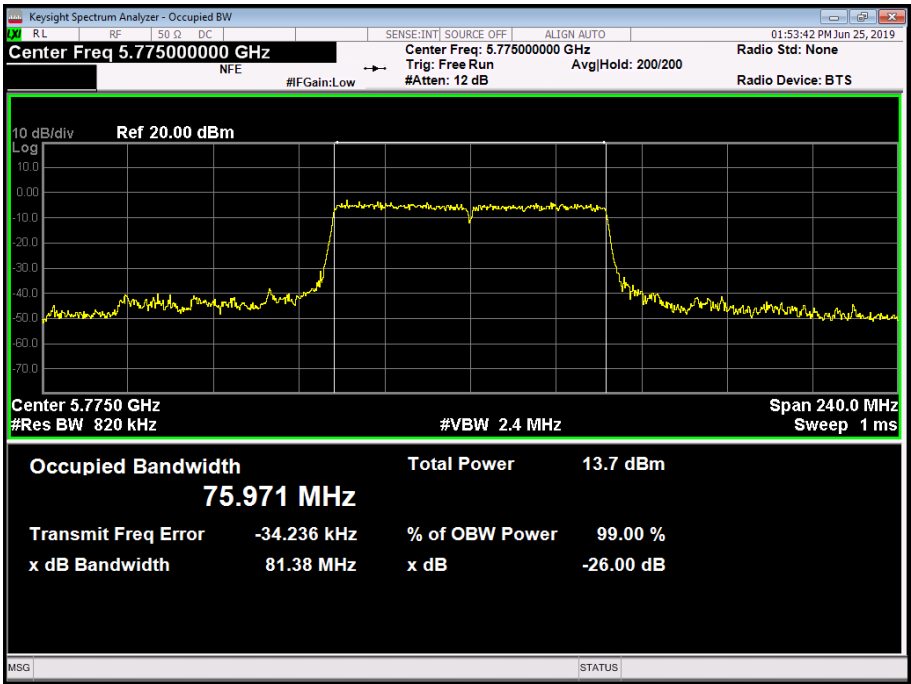


Figure 368 - 5775 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 0

	5755 MHz
6 dB Bandwidth (MHz)	76.560
26 dB Bandwidth (MHz)	82.560
99% Occupied Bandwidth (MHz)	76.047

Table 169 – Antenna Port 1

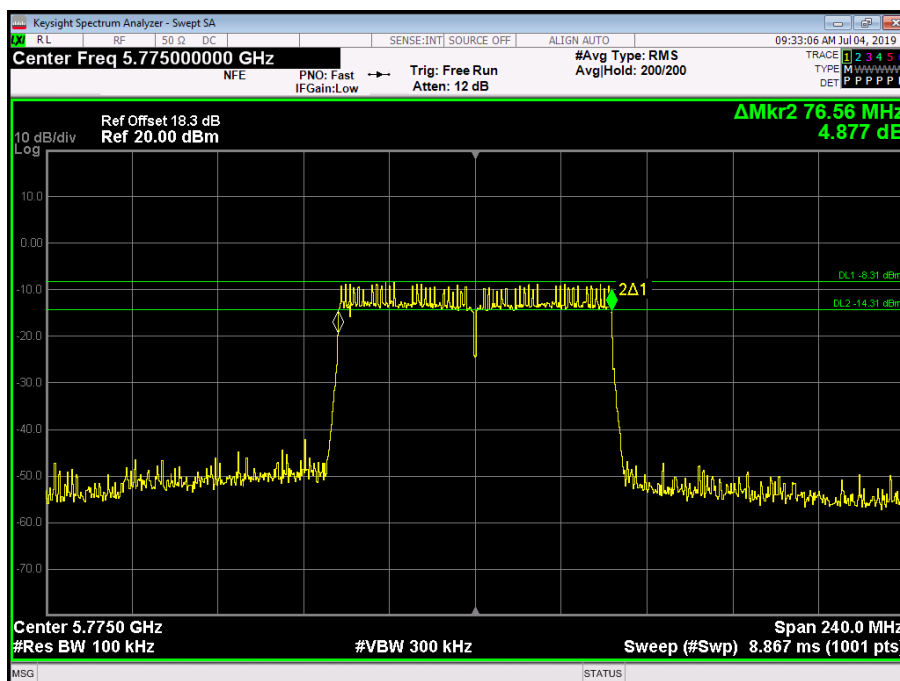


Figure 369 - 5775 MHz - 6 dB DTS Bandwidth – SISO – Antenna Port 1

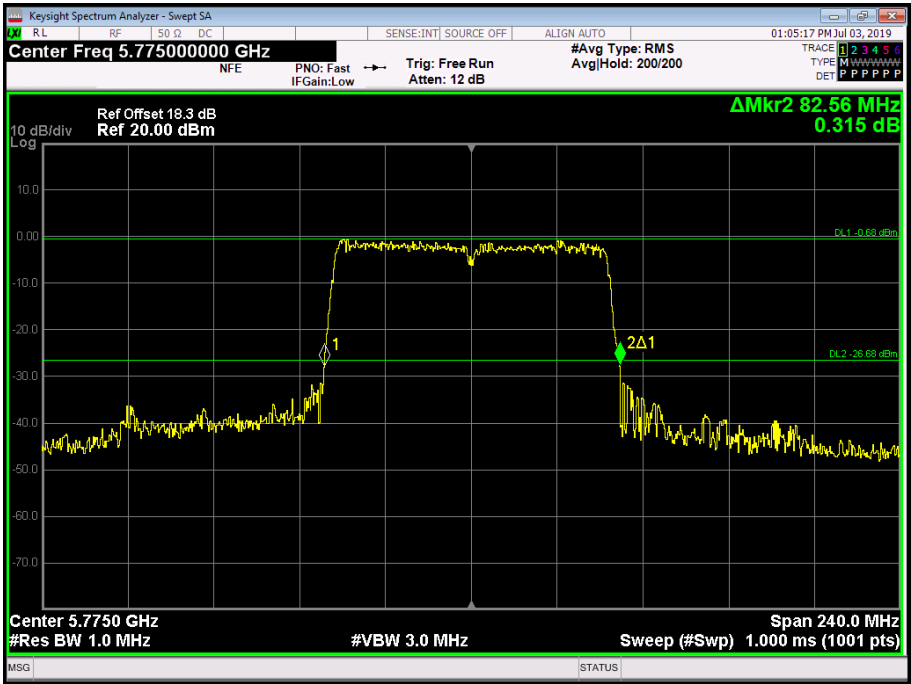


Figure 370 - 5775 MHz - 26 dB Emission Bandwidth – SISO – Antenna Port 1

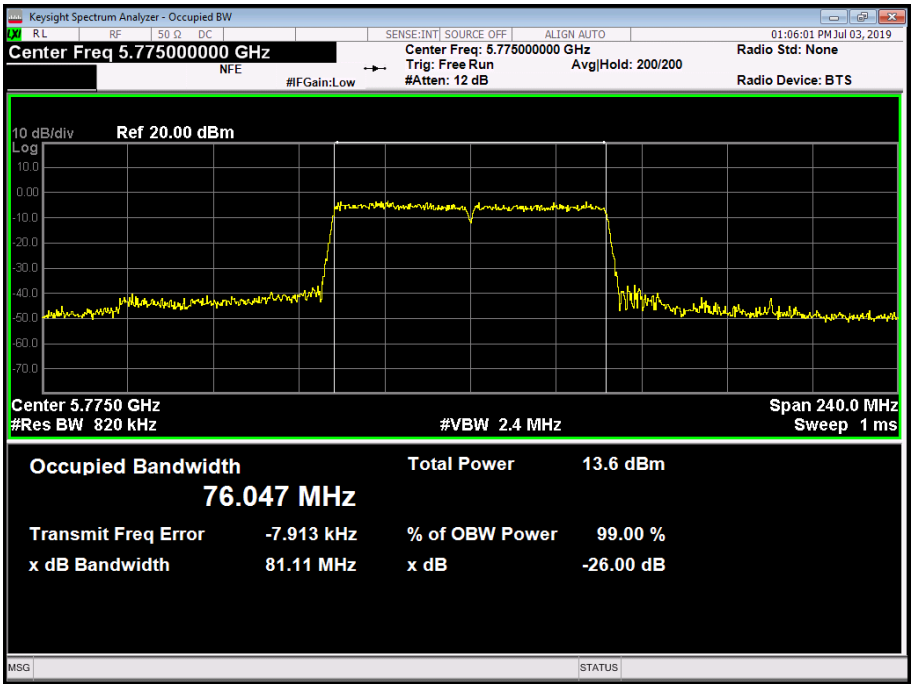


Figure 371 - 5775 MHz - 99% Occupied Bandwidth – SISO – Antenna Port 1



FCC Part 15E, Limit Clause 15.407 and ISEDC RSS-247, Limit Clause 6.2.1.1, 6.2.2.1, 6.2.3.1, 6.2.4.1

5150 MHz to 5250 MHz: None specified.
 5250 MHz to 5350 MHz: None specified.
 5470 MHz to 5725 MHz: None specified.
 5725 MHz to 5850 MHz: > 500 kHz.

ISEDC RSS-247, Limit Clause 6.2.1.1, 6.2.2.1, 6.2.3.1 and 6.2.4.1

5150 MHz to 5250 MHz: None specified.
 5250 MHz to 5350 MHz: None specified.
 5470 MHz to 5725 MHz: None specified.
 5725 MHz to 5850 MHz: The minimum 6 dB bandwidth shall be at least 500 kHz.

2.4.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 1.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
Dual Power Supply Unit	Hewlett Packard	6253A	271	-	O/P Mon
Power Divider	Weinschel	1506A	603	12	23-Apr-2020
Hygrometer	Rotronic	I-1000	3220	12	13-Sep-2019
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	17-Oct-2019
1 Metre SMA Cable	Rhophase	3PS-1801A-1000-3PS	4101	-	O/P Mon
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	22-Oct-2019
Frequency Standard	Spectracom	SecureSync 1200-0408-0601	4393	6	15-Oct-2019
PXA Signal Analyser	Keysight Technologies	N9030A	4653	12	06-Feb-2020
EXA	Keysight Technologies	N9010B	4968	24	21-Dec-2019
Cable (18 GHz)	Rosenberger	LU7-071-1000	5097	12	04-Oct-2019

Table 170

O/P Mon – Output Monitored using calibrated equipment



2.5 Authorised Band Edges

2.5.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b)
ISED RSS-247, Clause 6.2

2.5.2 Equipment Under Test and Modification State

Minuet 2 Module (FS5352), S/N: RAD113219 - Modification State 0

2.5.3 Date of Test

06-June-2019 to 10-August-2019

2.5.4 Test Method

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

Final Peak measurements were performed in accordance with ANSI C63.10, clause 12.7.6.

The limit line on the following plots equated to -27dBm/MHz. EIRP was converted to field strength at 3m using the following formula:

Field Strength (dBμV/m at 3m) = EIRP (dBm/MHz) + 95.2 dB.

Average measurements have been performed in accordance with ANSI C63.10 Clause 12.7.7.2. Where the duty cycle of an emission was found to be less than 98%, a duty cycle correction factor has been added to the average measurement.

The following conversion can be applied to convert from dBμV/m to μV/m:
 $10^{(\text{Field Strength in dB}\mu\text{V/m}/20)}$.

Authorised band edge measurements were performed with the device operating in SISO and MIMO for each mode supported by the device.

2.5.5 Environmental Conditions

Ambient Temperature	20.4 - 22.8 °C
Relative Humidity	59.9 - 66.6 %



2.5.6 Test Results

U-NII-1

5 GHz WLAN - 802.11a

Measurement Configuration	Data Rate	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
Data Rate with Highest Power	54 Mbps	5180	5150	56.22	-
Data Rate with Widest Bandwidth	9 Mbps	5180	5150	55.72	-

Table 171 - Authorised Band Edge Results – Antenna 0

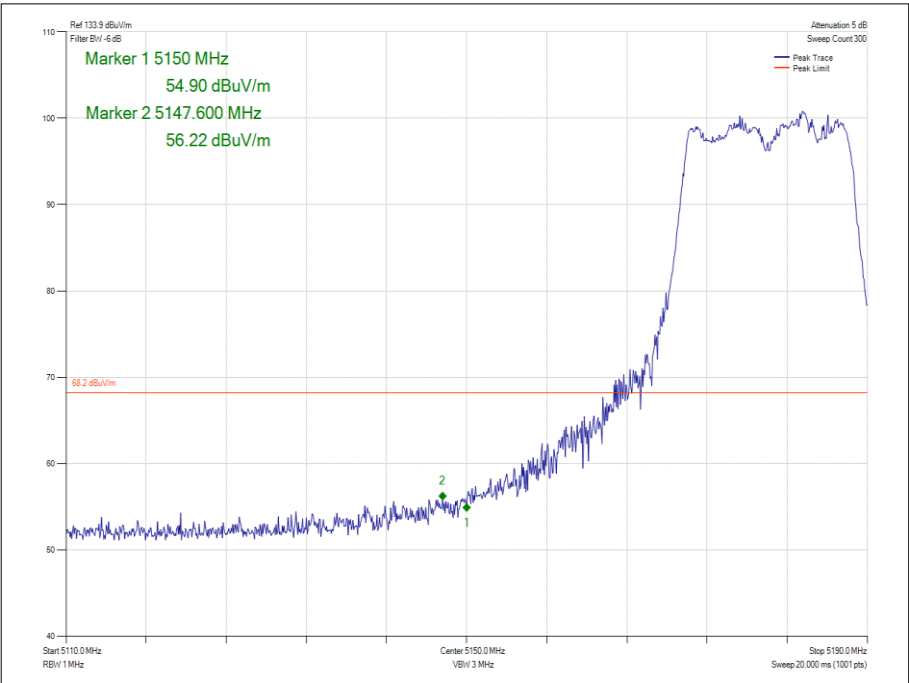


Figure 372 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, Data Rate with Highest Power – Antenna 0

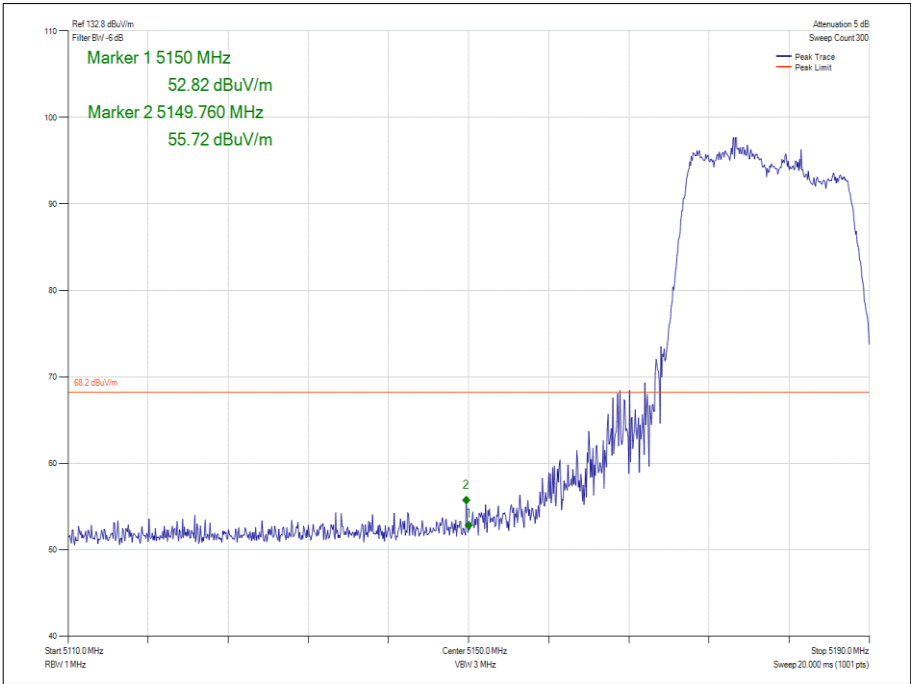


Figure 373 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, Data Rate with Widest Bandwidth – Antenna 0



Measurement Configuration	Data Rate	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power	54 Mbps	5180	5150	61.93	-
Data Rate with Widest Bandwidth	9 Mbps	5180	5150	66.00	-

Table 172 - Authorised Band Edge Results – Antenna 1

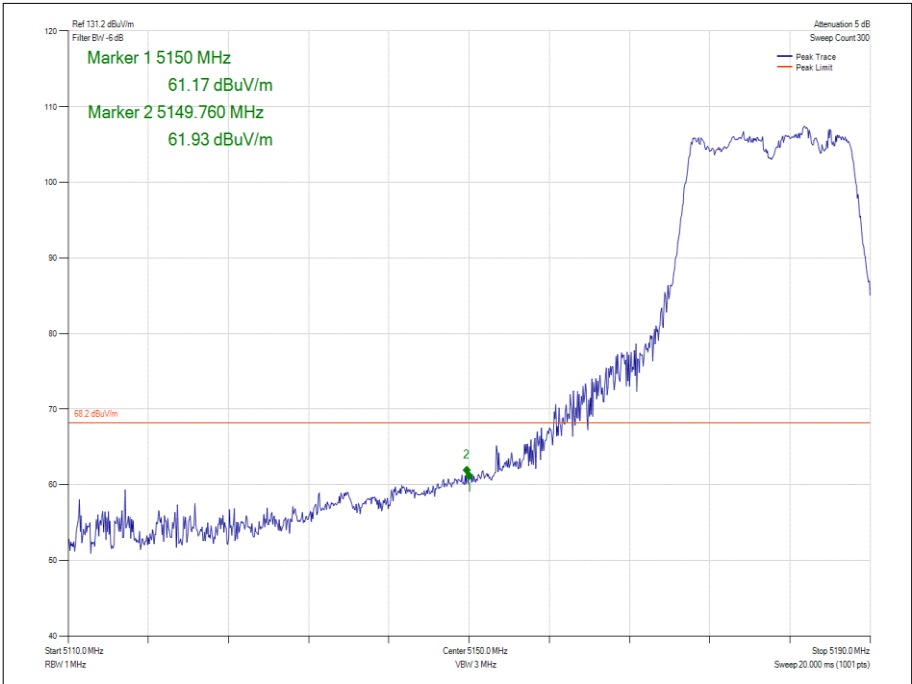


Figure 374 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power – Antenna 1

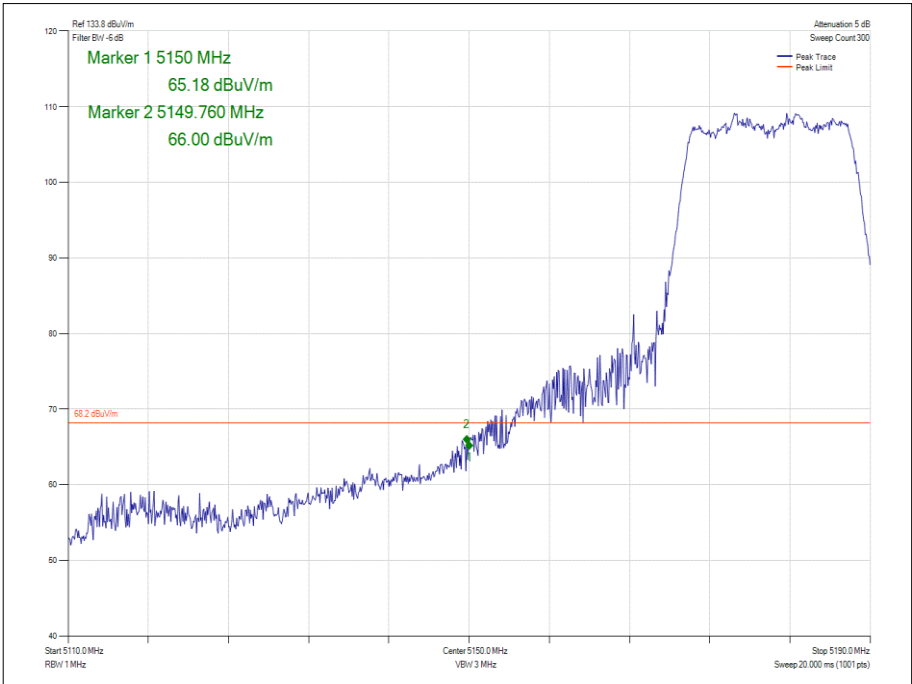


Figure 375 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Widest Bandwidth – Antenna 1



5 GHz WLAN - 802.11n 20 MHz Bandwidth

Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power	MCS5	5180	5150	54.39	-
MCS with Widest Bandwidth	MCS6	5180	5150	55.49	-

Table 173 - Authorised Band Edge Results – Antenna 0

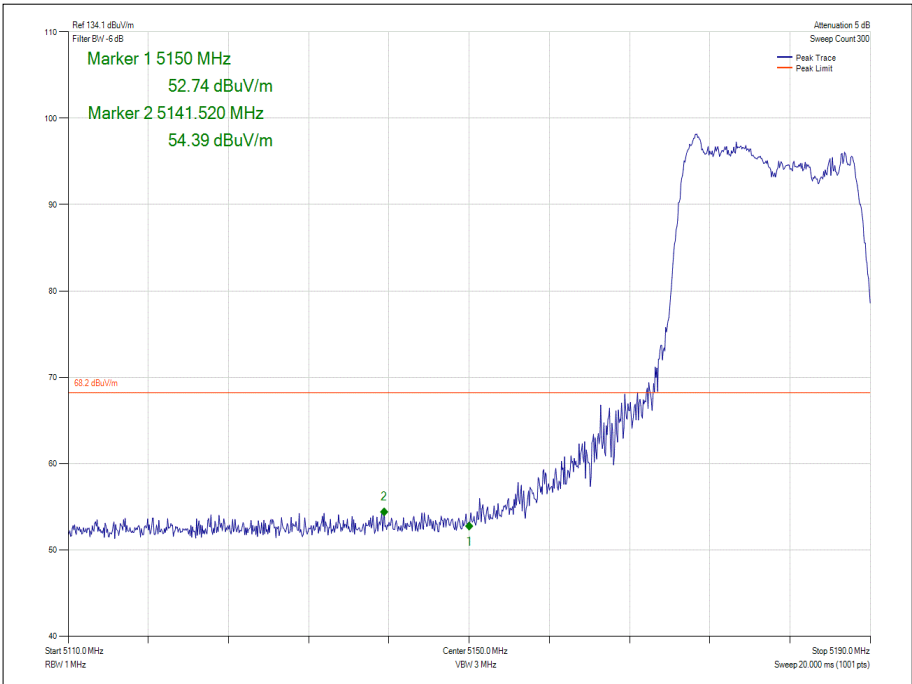


Figure 376 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power – Antenna 0

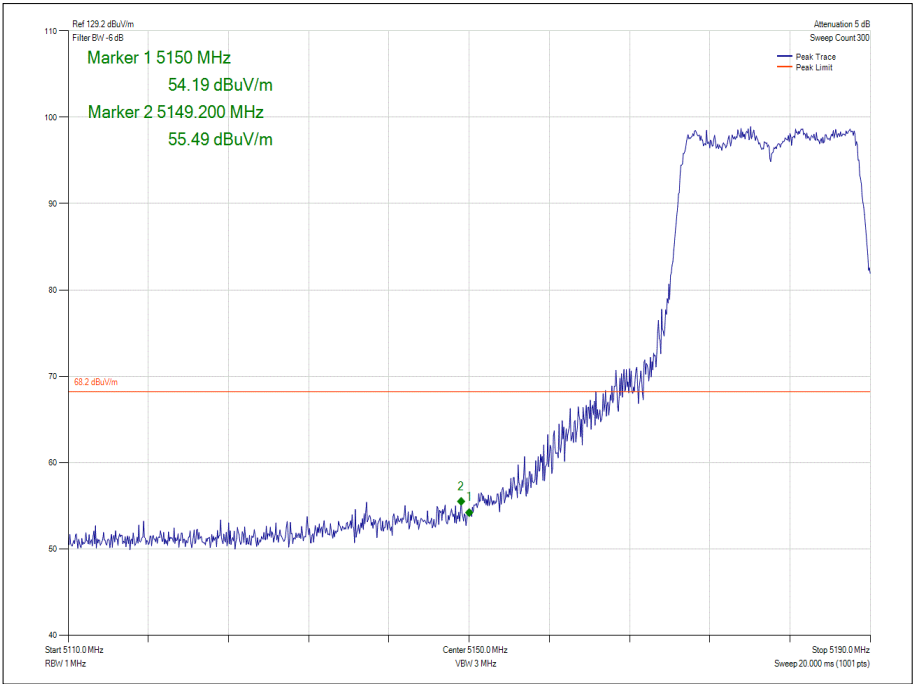


Figure 377 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Widest Bandwidth – Antenna 0



Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power	MCS7	5180	5150	65.32	-
MCS with Widest Bandwidth	MCS6	5180	5150	63.84	-

Table 174 - Authorised Band Edge Results – Antenna 1

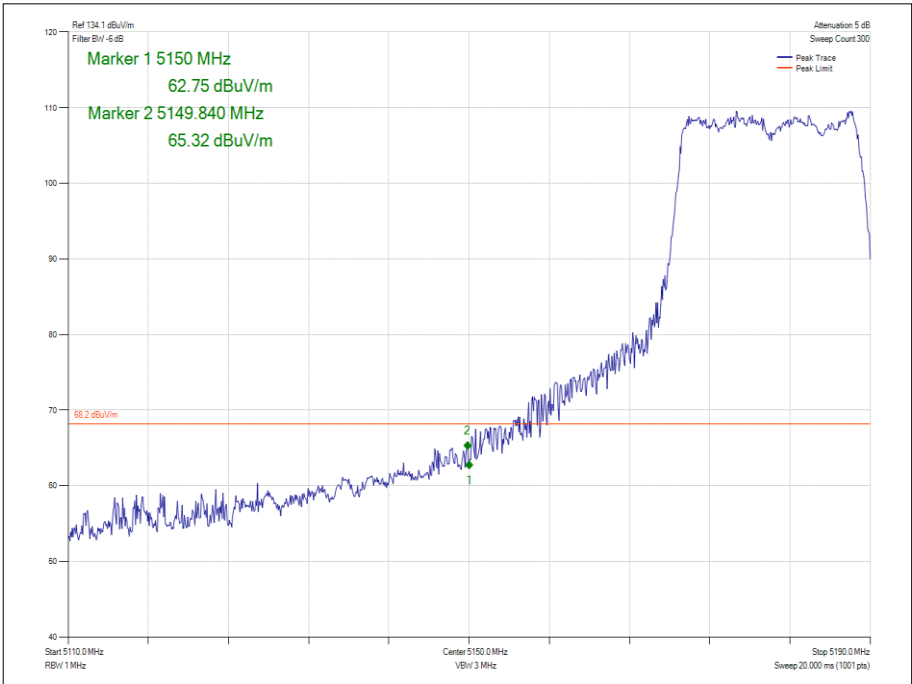


Figure 378 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power – Antenna 1

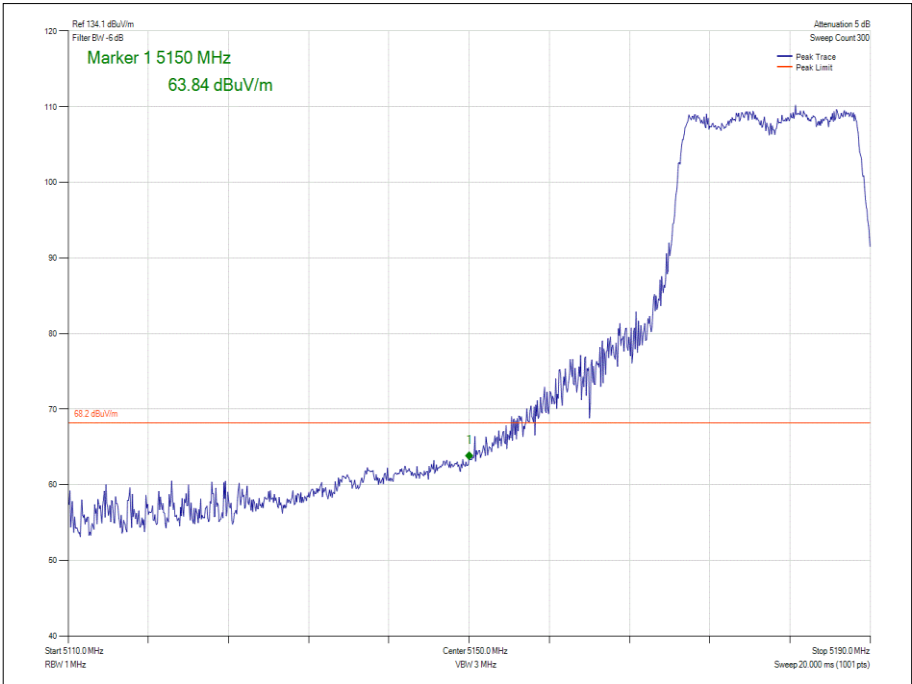


Figure 379 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Widest Bandwidth – Antenna 1



Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power and Widest Bandwidth	MCS0	5180	5150	64.67	-

Table 175 - Authorised Band Edge Results - MIMO

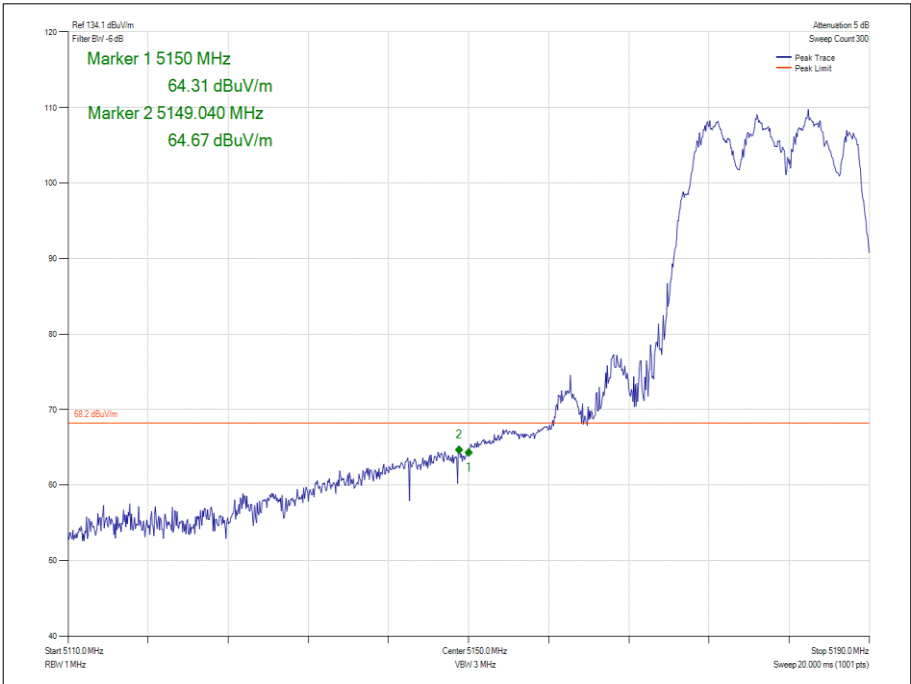


Figure 380 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power and Widest Bandwidth - MIMO



5 GHz WLAN - 802.11n 40 MHz Bandwidth

Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power and Widest Bandwidth	MCS6	5180	5150	59.60	-

Table 176 - Authorised Band Edge Results – Antenna 0

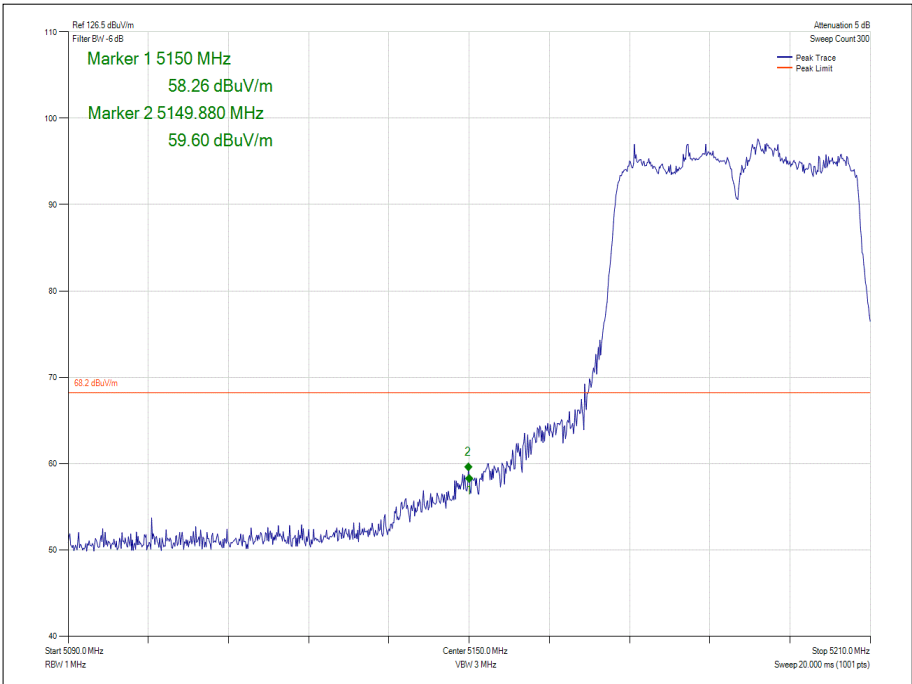


Figure 381 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power and Widest Bandwidth – Antenna 0



Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power	MCS3	5190	5150	66.66	-
MCS with Widest Bandwidth	MCS6	5190	5150	65.95	-

Table 177 - Authorised Band Edge Results – Antenna 1

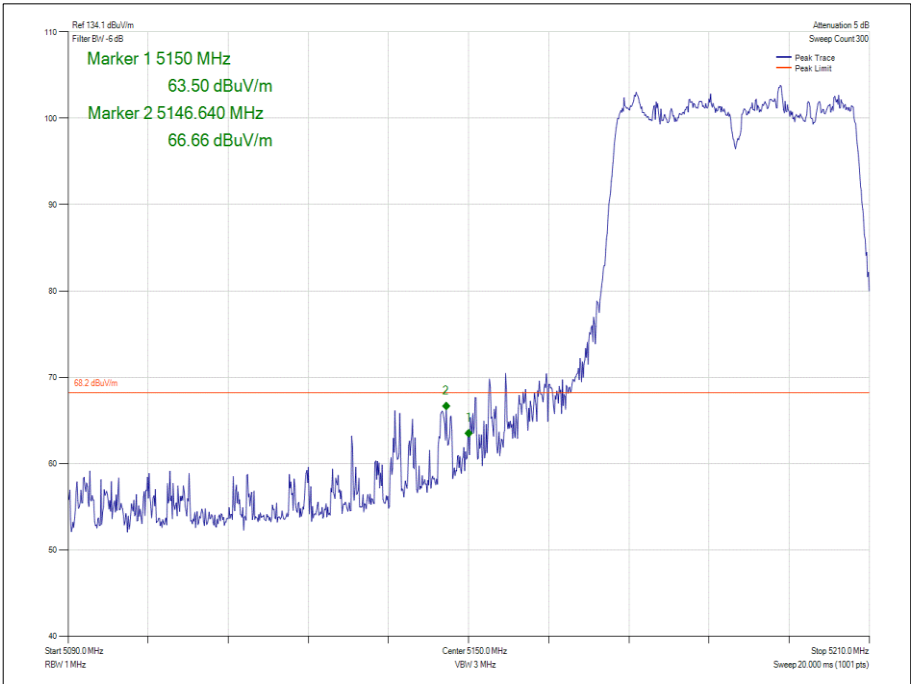


Figure 382 - Transmitter Frequency 5190 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power – Antenna 1

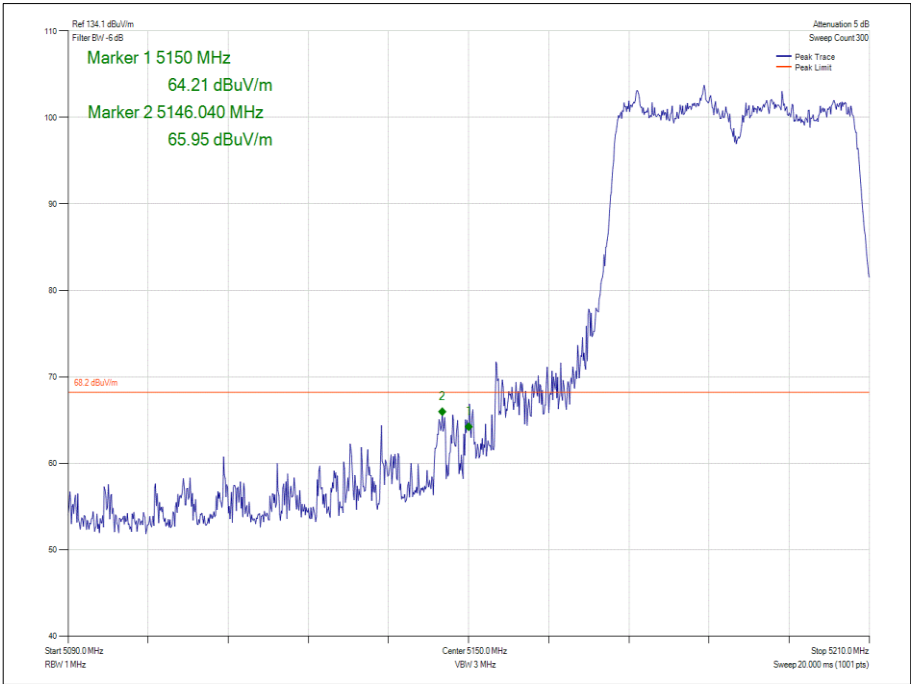


Figure 383 - Transmitter Frequency 5190 MHz, Band Edge Frequency 5150 MHz, MCS with Widest Bandwidth – Antenna 1



Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power and Widest Bandwidth	MCS0	5190	5150	64.92	-

Table 178 - Authorised Band Edge Results - MIMO

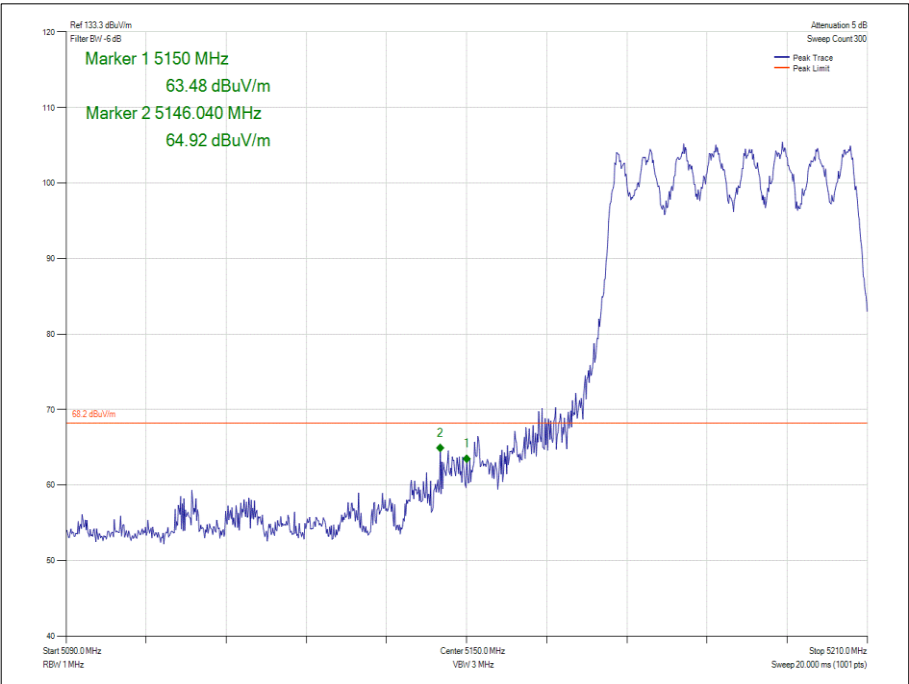


Figure 384 - Transmitter Frequency 5190 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power and Widest Bandwidth - MIMO



5 GHz WLAN - 802.11ac 20 MHz Bandwidth

Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power	MCS7	5180	5150	56.75	-
MCS with Widest Bandwidth	MCS4	5180	5150	55.23	-

Table 179 - Authorised Band Edge Results – Antenna 0

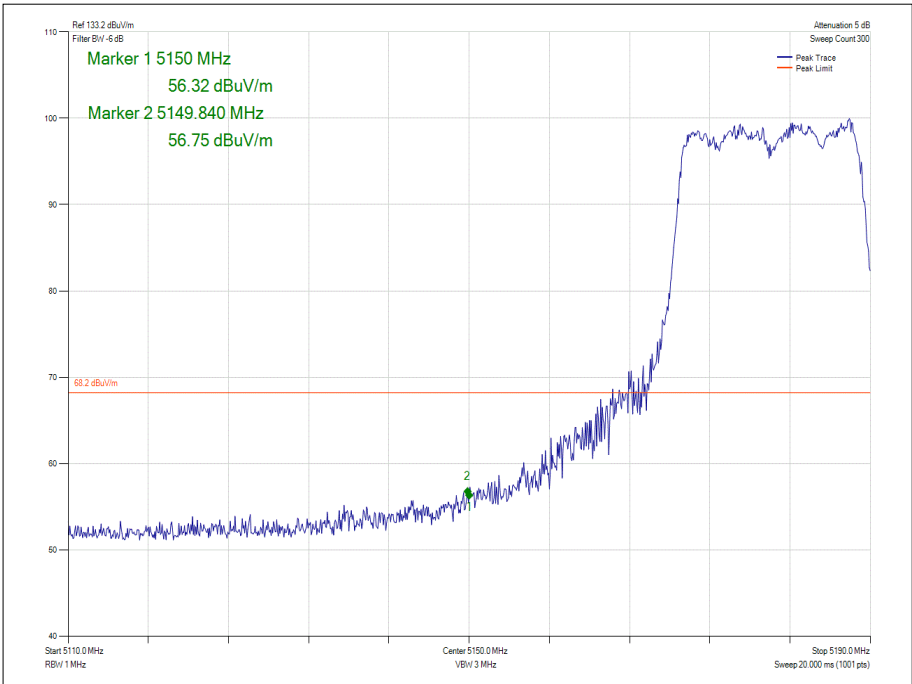


Figure 385 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power – Antenna 0

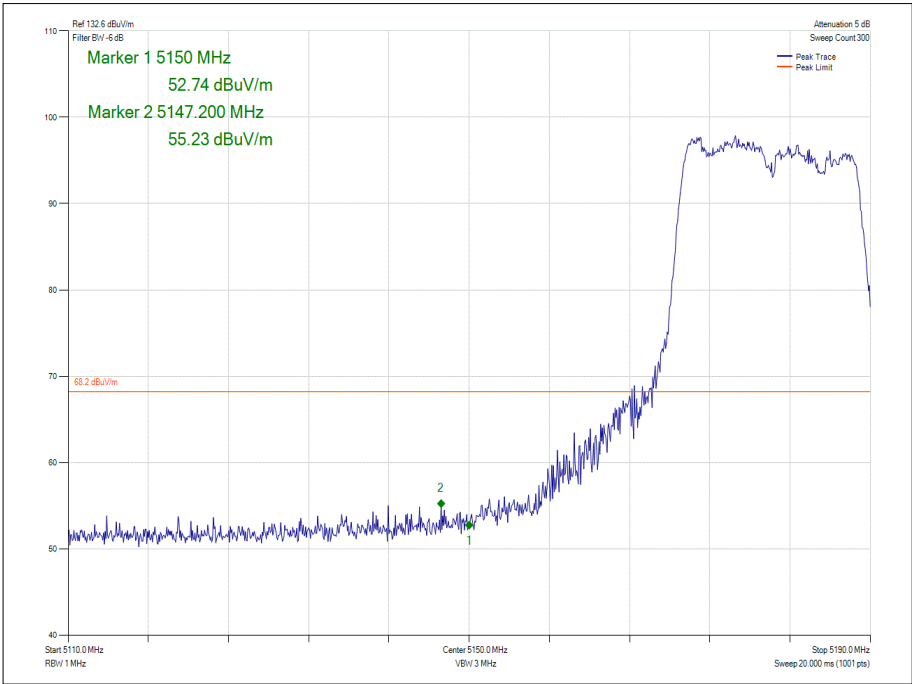


Figure 386 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Widest Bandwidth – Antenna 0



Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power and Widest Bandwidth	MCS7	5180	5150	65.55	-

Table 180 - Authorised Band Edge Results – Antenna 1

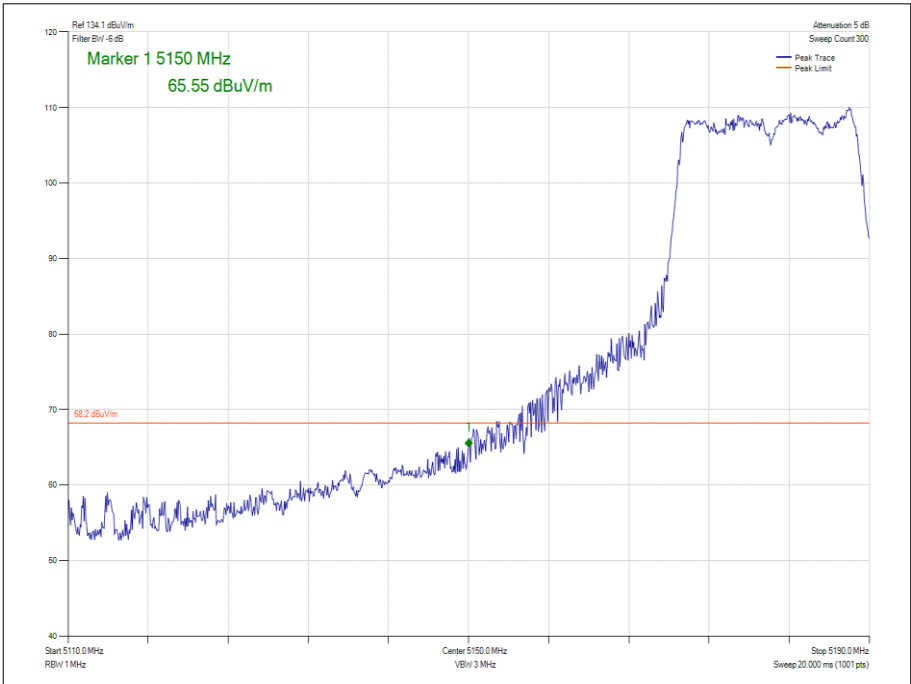


Figure 387 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150
MCS with Highest Power and Widest Bandwidth – Antenna 1



Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power and Widest Bandwidth	MCS0	5180	5150	62.57	-

Table 181 - Authorised Band Edge Results – MIMO

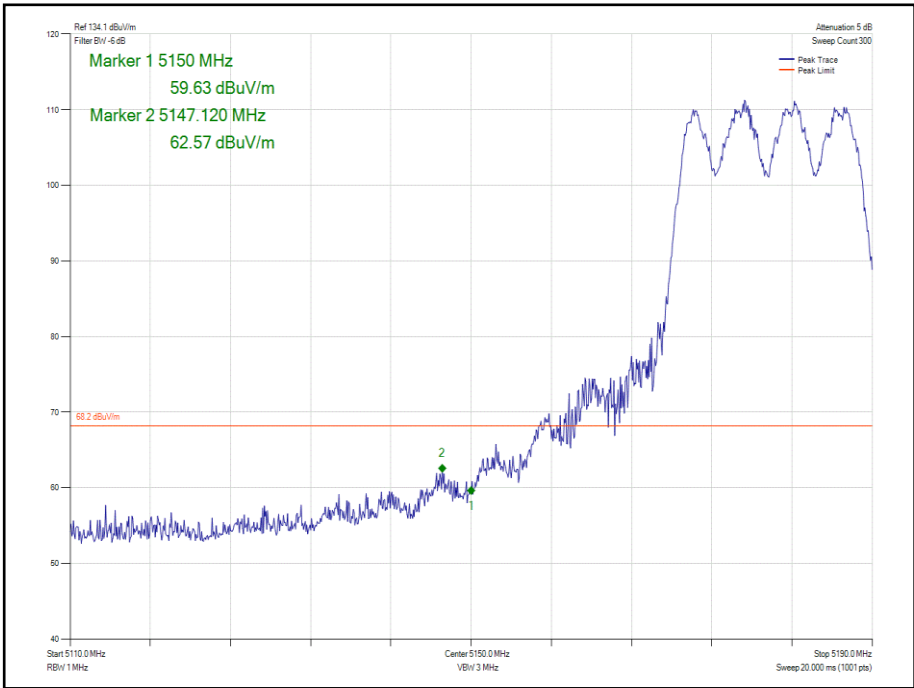


Figure 388 - Transmitter Frequency 5180 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power and Widest Bandwidth – MIMO



5 GHz WLAN - 802.11ac 40 MHz Bandwidth

Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power	MCS0	5190	5150	59.77	-
MCS with Widest Bandwidth	MCS9	5190	5150	53.72	-

Table 182 - Authorised Band Edge Results – Antenna 0

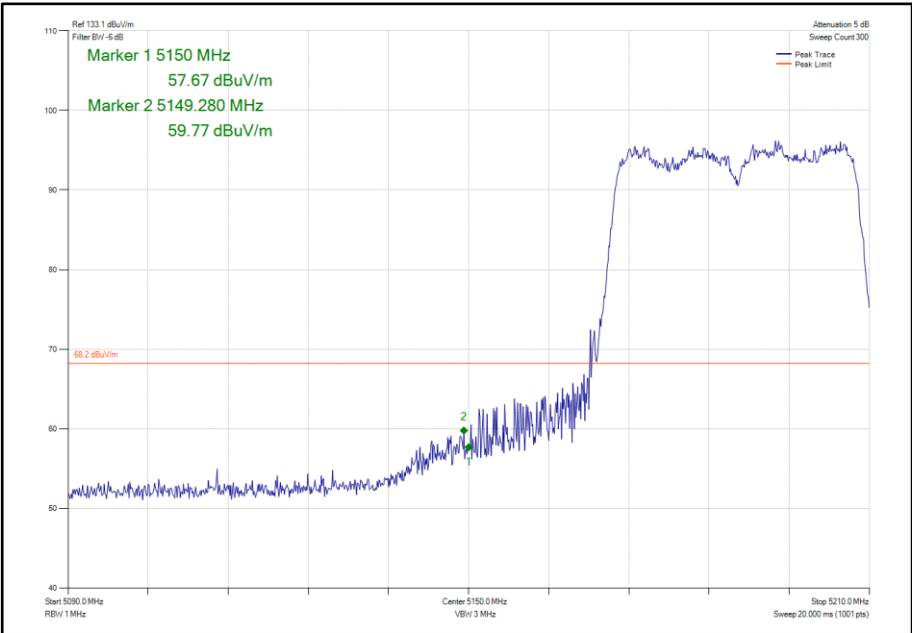


Figure 389 - Transmitter Frequency 5190 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power – Antenna 0

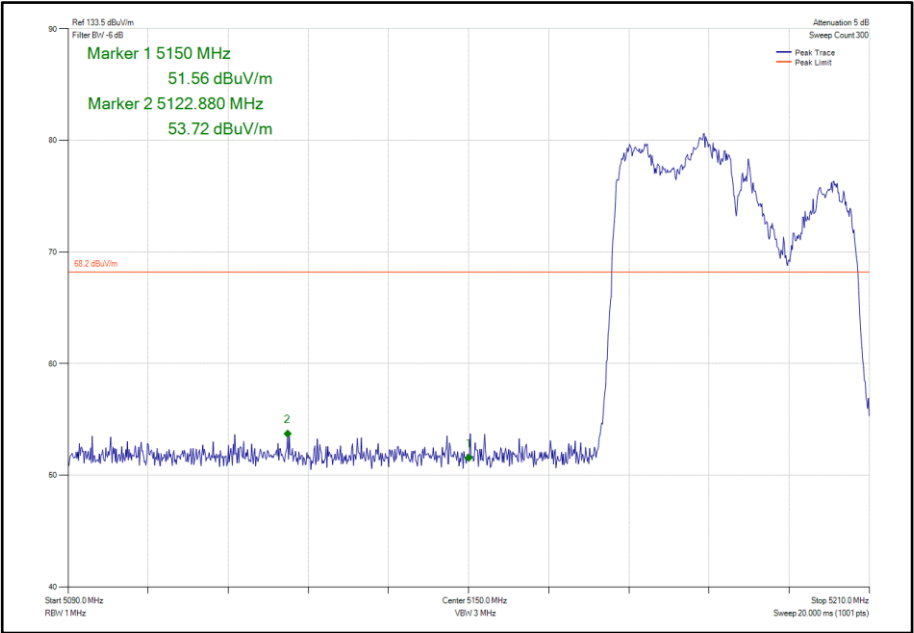


Figure 390 - Transmitter Frequency 5190 MHz, Band Edge Frequency 5150 MHz,
MCS with Widest Bandwidth – Antenna 0

Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power	MCS0	5190	5150	64.86	-
MCS with Widest Bandwidth	MCS9	5190	5150	65.69	-

Table 183 - Authorised Band Edge Results – Antenna 1

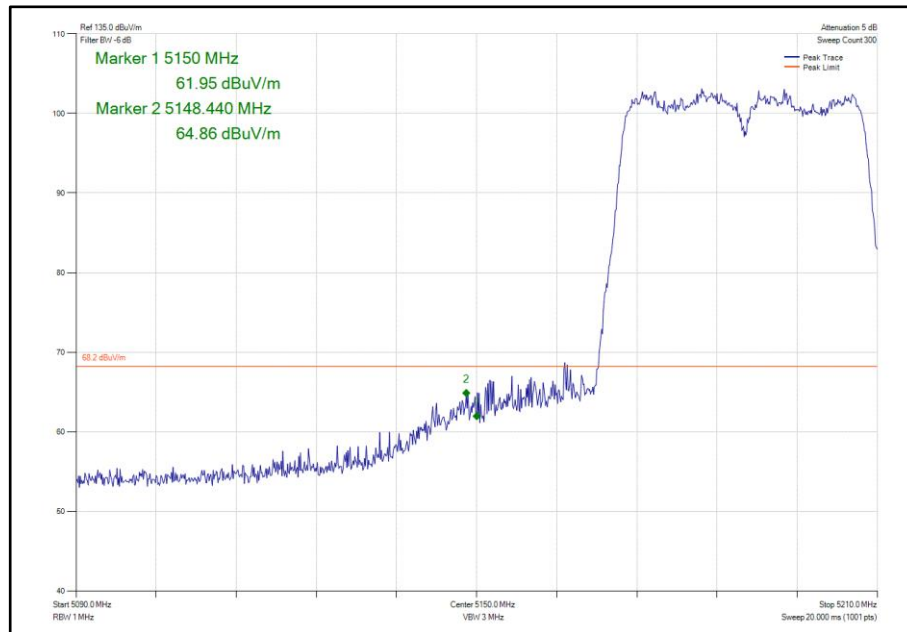


Figure 391 - Transmitter Frequency 5190 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power – Antenna 1

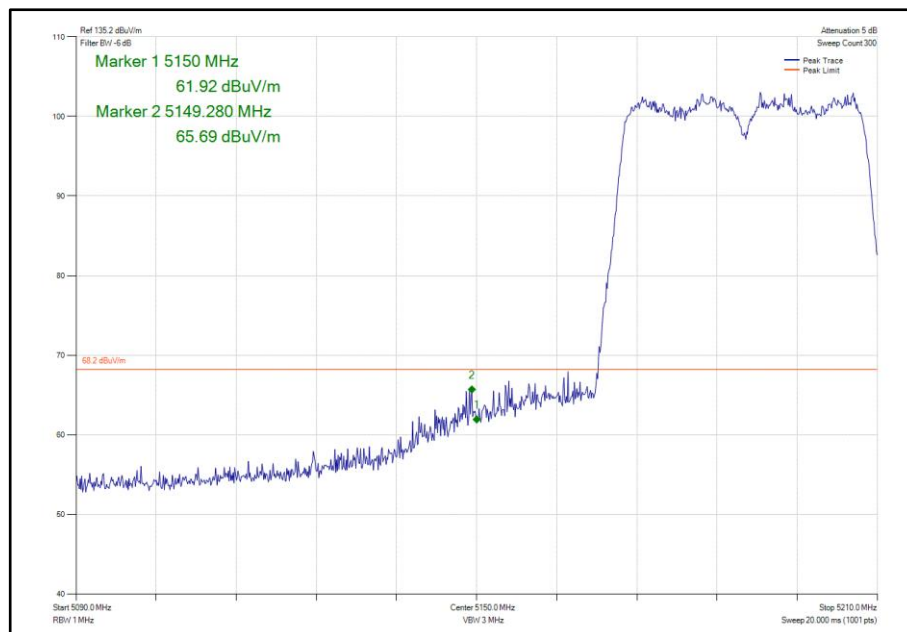


Figure 392 - Transmitter Frequency 5190 MHz, Band Edge Frequency 5150 MHz, MCS with Widest Bandwidth – Antenna 1



Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power and Widest Bandwidth	MCS0	5190	5150	64.18	-

Table 184 - Authorised Band Edge Results – MIMO

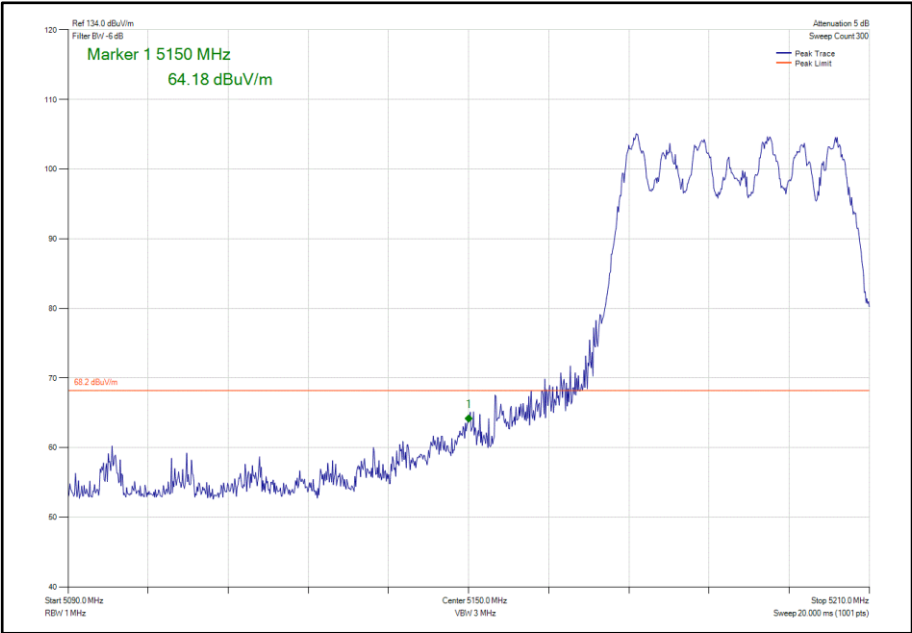


Figure 393 - Transmitter Frequency 5190 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power and Widest Bandwidth – MIMO



5 GHz WLAN - 802.11ac 80 MHz Bandwidth

Measurement Configuration	MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
MCS with Highest Power	MCS5	5210	5150	62.81	-
MCS with Widest Bandwidth	MCS9	5210	5150	62.13	-

Table 185 - Authorised Band Edge Results – Antenna 0

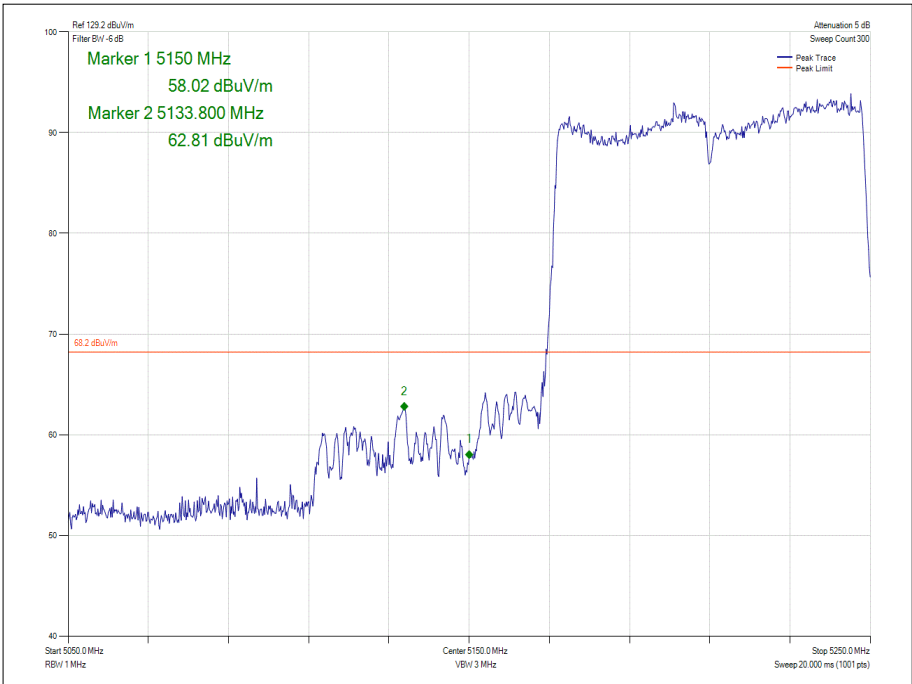


Figure 394 - Transmitter Frequency 5210 MHz, Band Edge Frequency 5150 MHz, MCS with Highest Power – Antenna 0

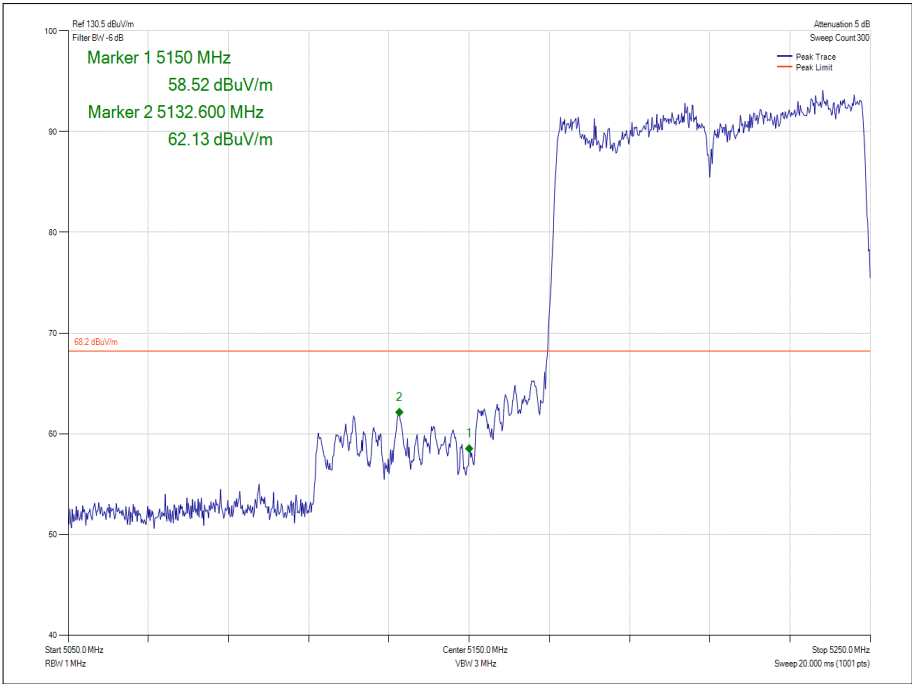


Figure 395 - Transmitter Frequency 5210 MHz, Band Edge Frequency 5150 MHz, MCS with Widest Bandwidth – Antenna 0