



802.11n / HT20 MCS0 / MIMO CDD / Cores 0+2

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.880	17.820	17.460	17.640
26 dB Bandwidth (MHz)	7.900	41.28	43.73	45.32
99% Bandwidth (MHz)	17.901	23.827	24.337	27.161

Table 342

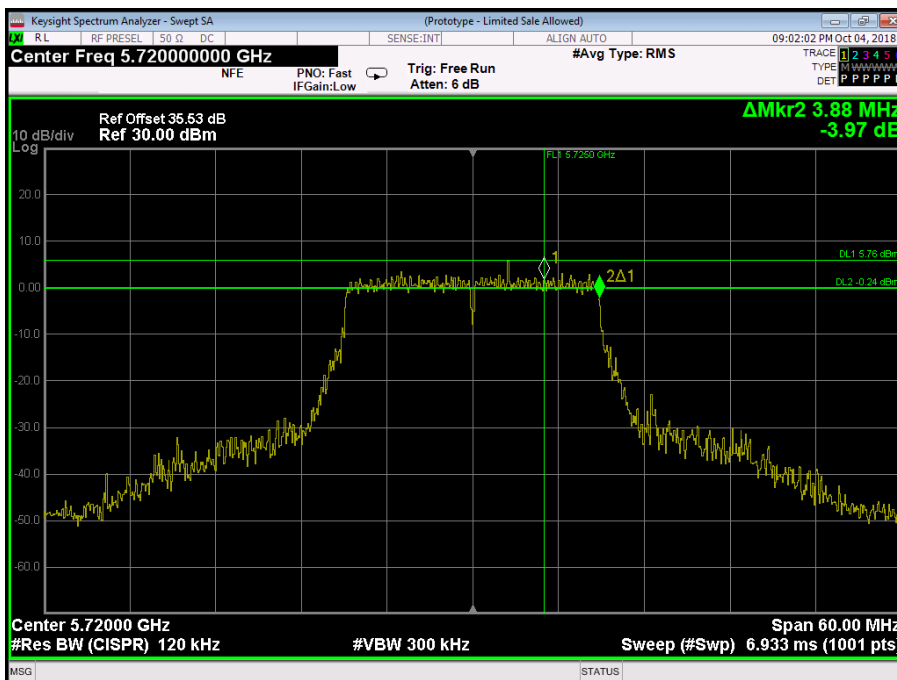


Figure 263 - 5720 MHz - 6 dB DTS Bandwidth

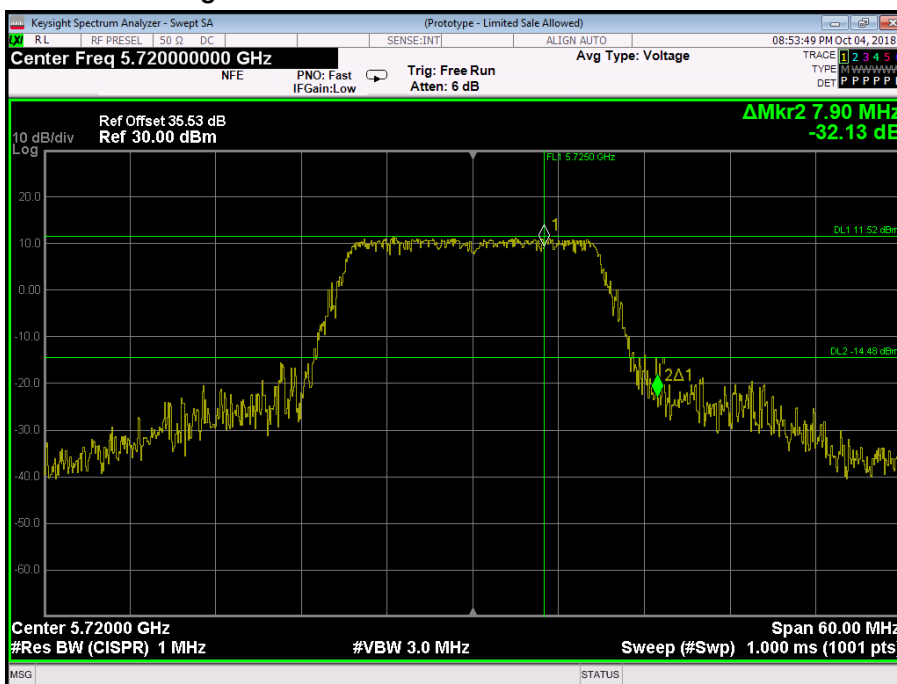


Figure 264 - 5720 MHz - 26 dB Emission Bandwidth



Product Service

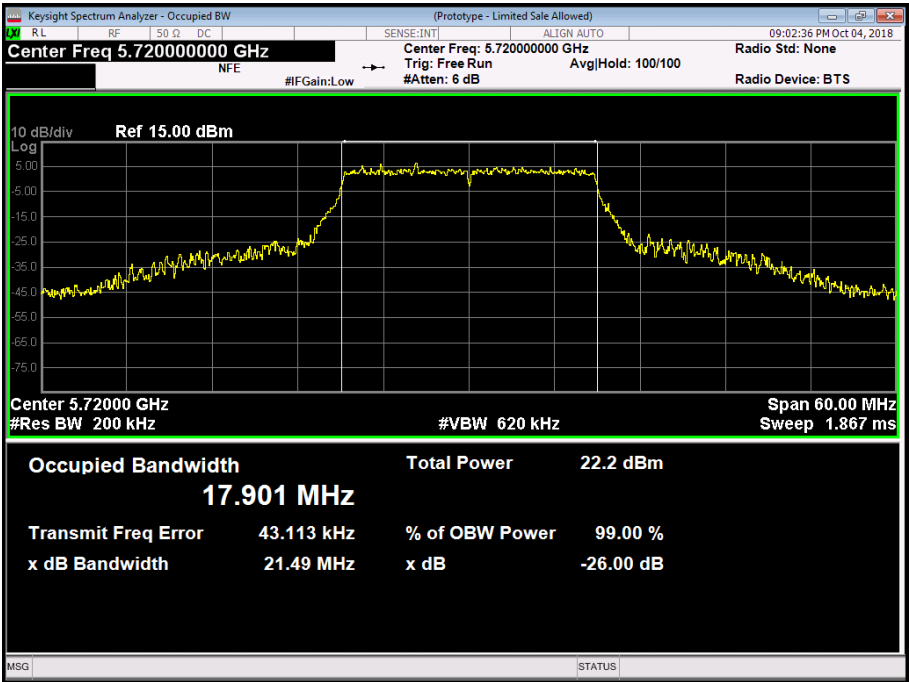


Figure 265 - 5720 MHz - 99% Occupied Bandwidth

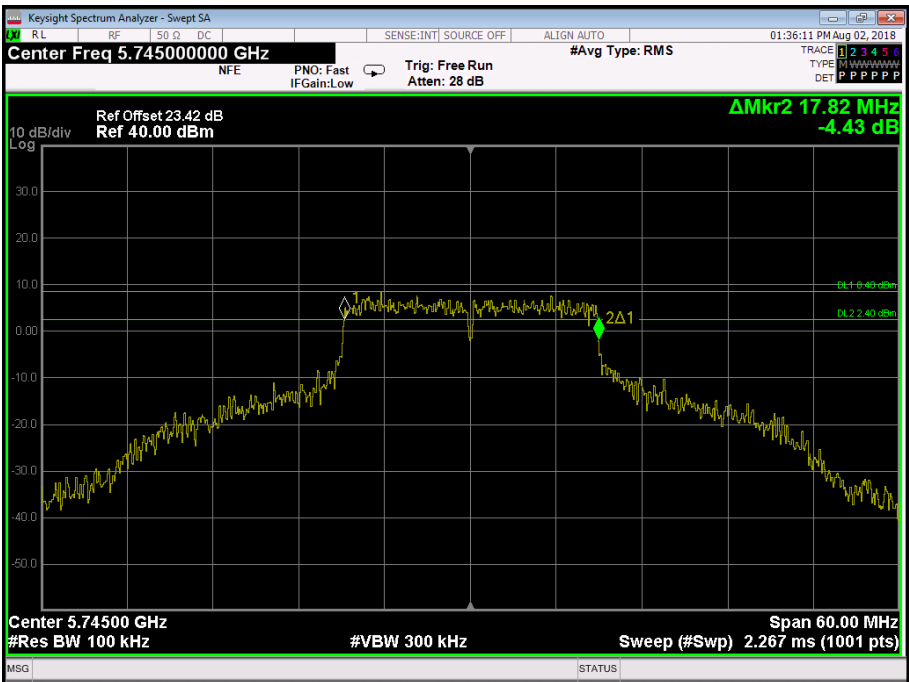


Figure 266 - 5745 MHz - 6 dB DTS Bandwidth



Product Service

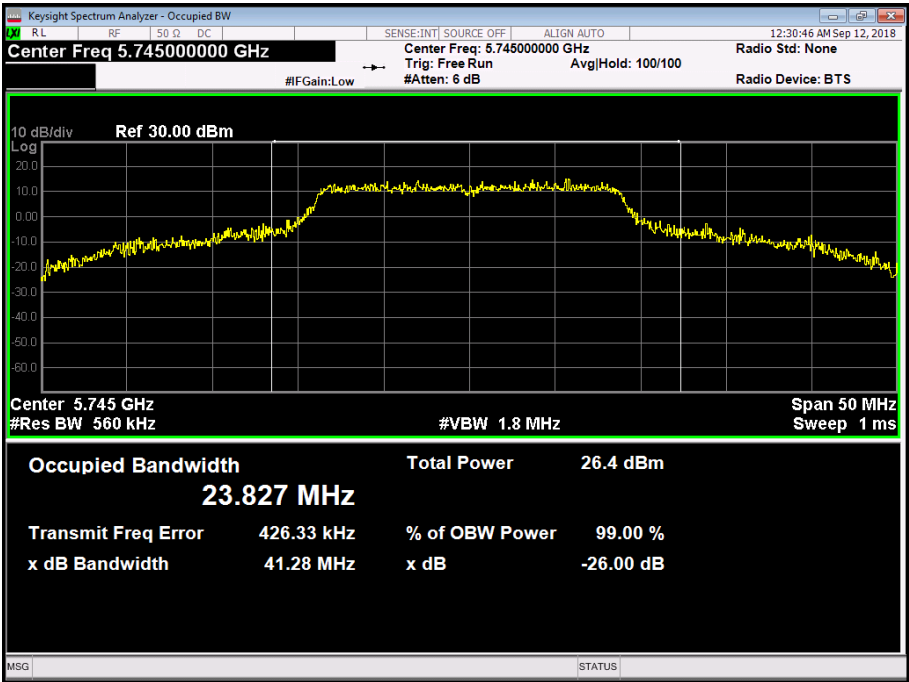


Figure 267 - 5745 MHz - 99% Occupied Bandwidth

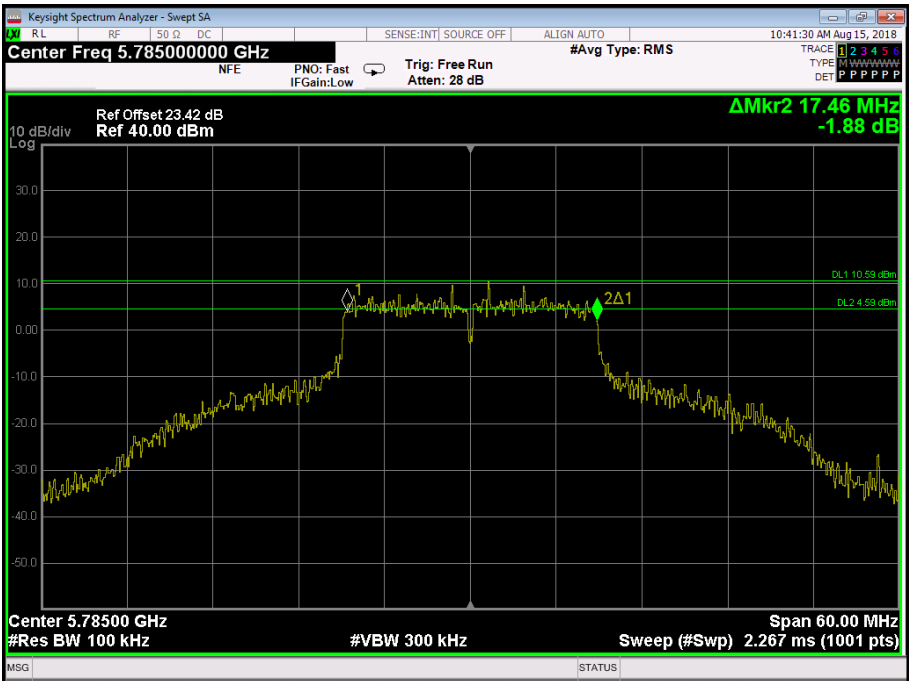


Figure 268 - 5785 MHz - 6 dB DTS Bandwidth

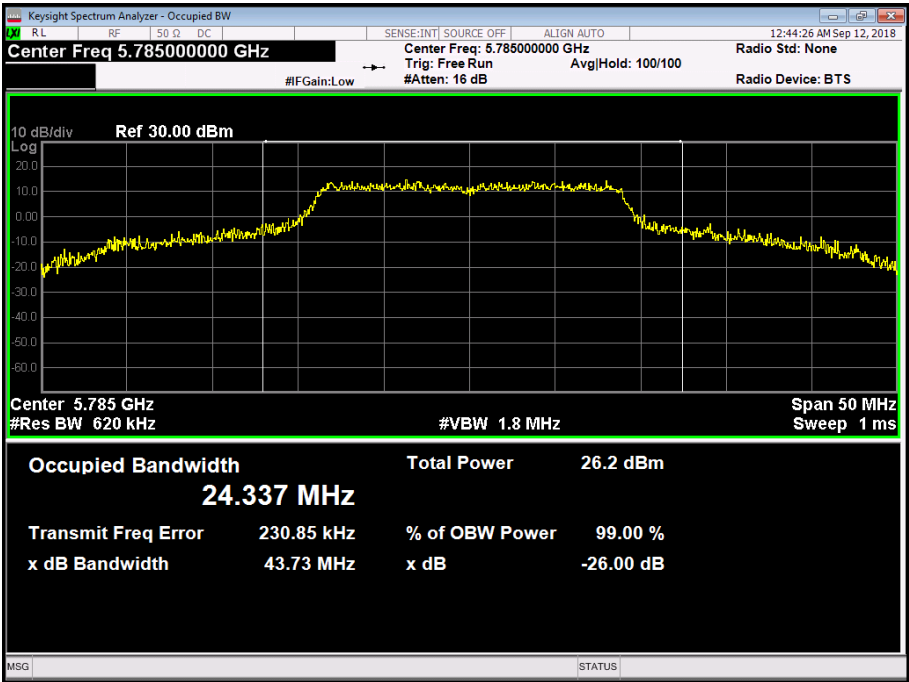


Figure 269 - 5785 MHz - 99% Occupied Bandwidth

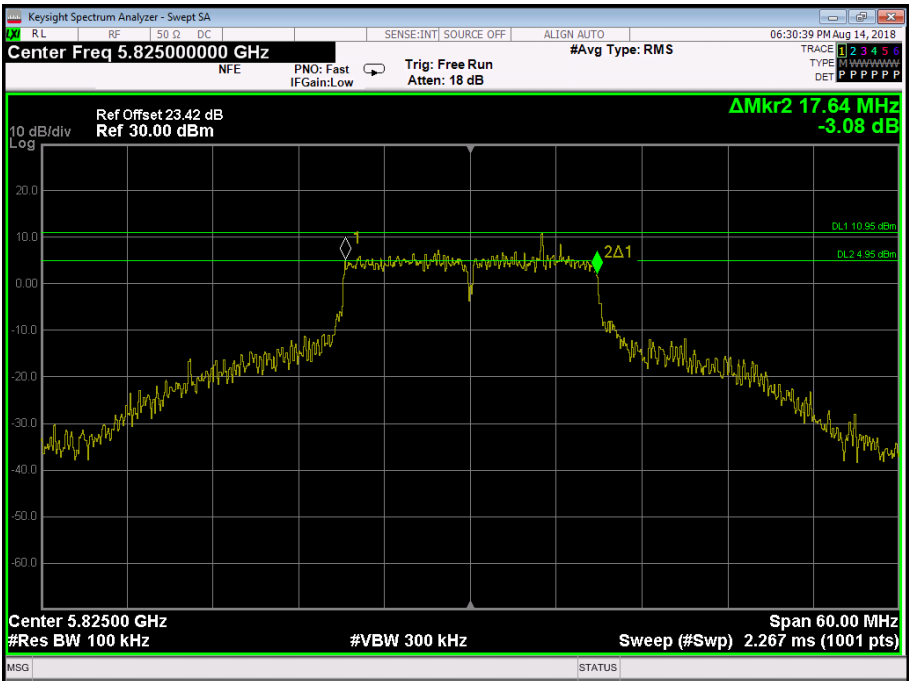


Figure 270 - 5825 MHz - 6 dB DTS Bandwidth



Product Service

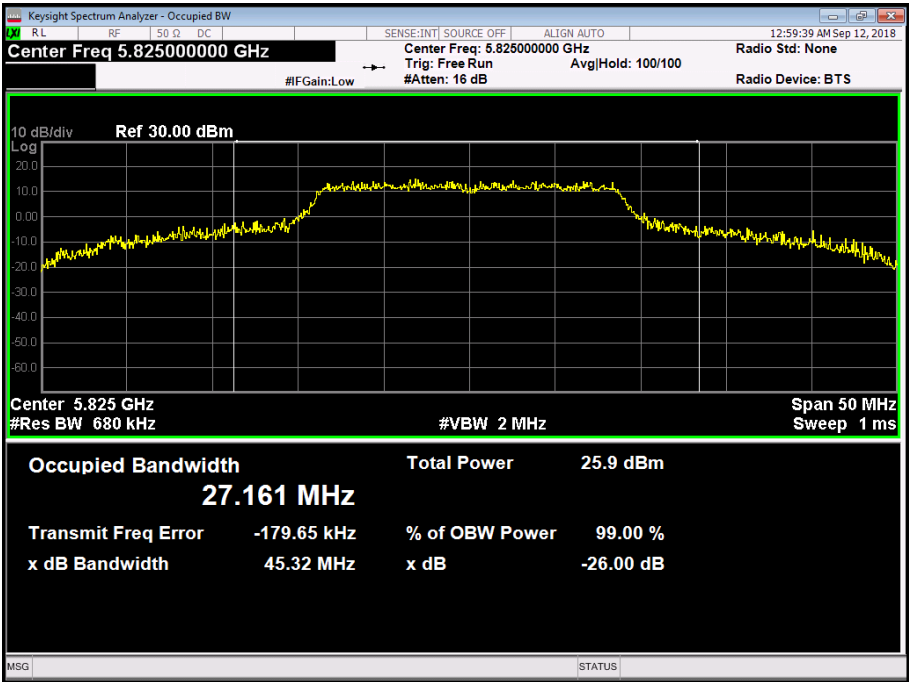


Figure 271 - 5825 MHz - 99% Occupied Bandwidth



802.11n / HT20 MCS8 / MIMO SDM / Cores 0+2

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.880	16.980	17.280	17.700
26 dB Bandwidth (MHz)	21.46	43.59	44.89	47.16
99% Bandwidth (MHz)	17.838	24.604	26.246	28.880

Table 343

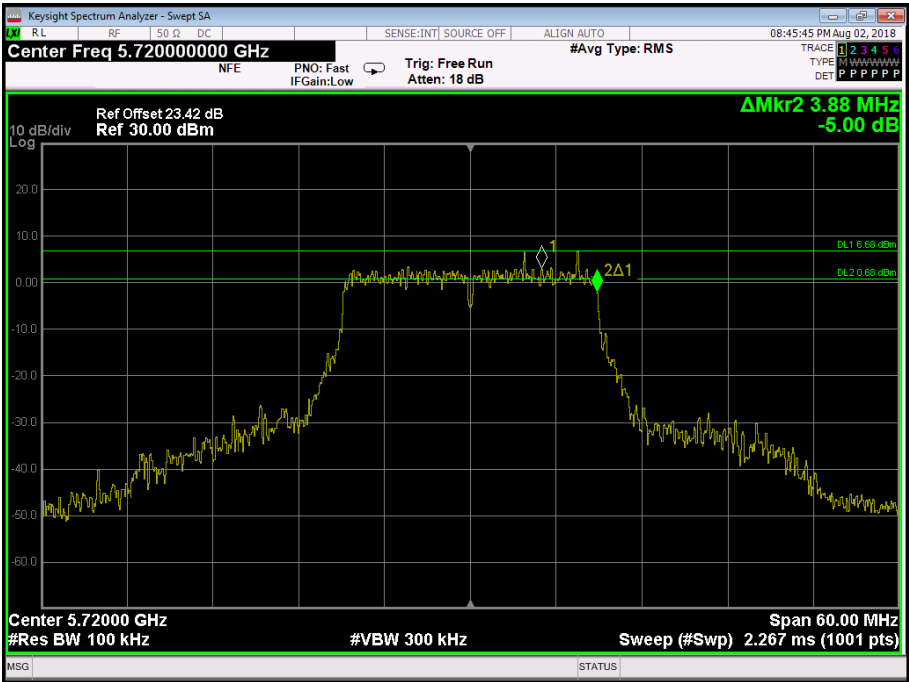


Figure 272 - 5720 MHz - 6 dB DTS Bandwidth

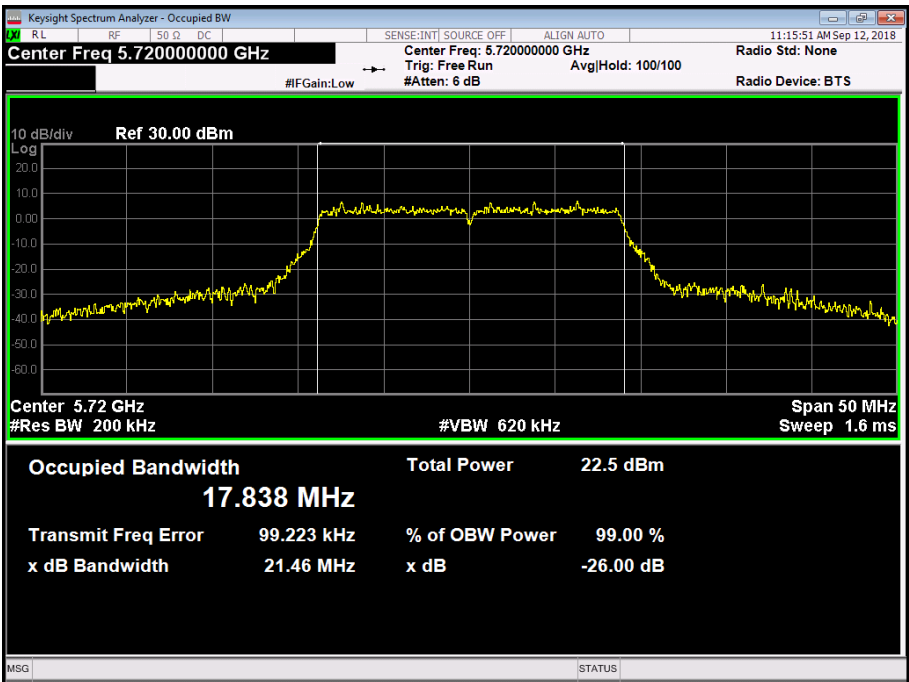


Figure 273 - 5720 MHz - 99% Occupied Bandwidth



Product Service

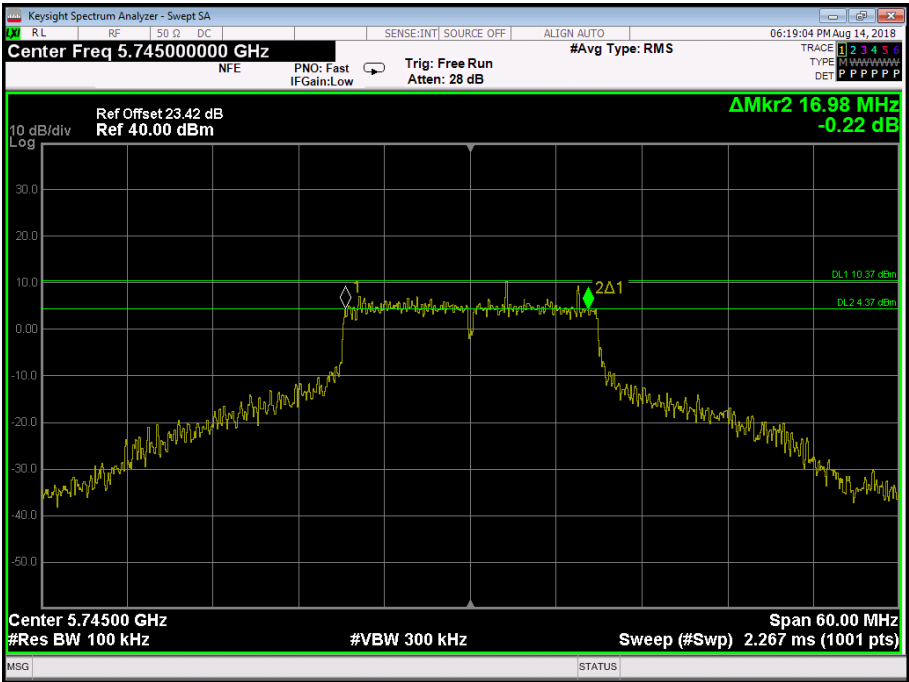


Figure 274 - 5745 MHz - 6 dB DTS Bandwidth

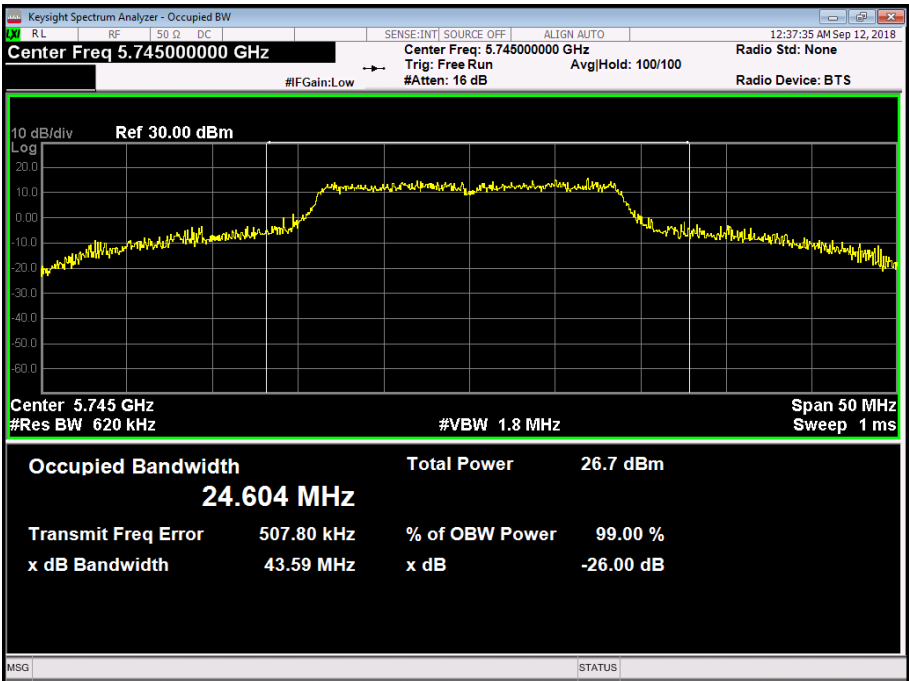


Figure 275 - 5745 MHz - 99% Occupied Bandwidth



Product Service

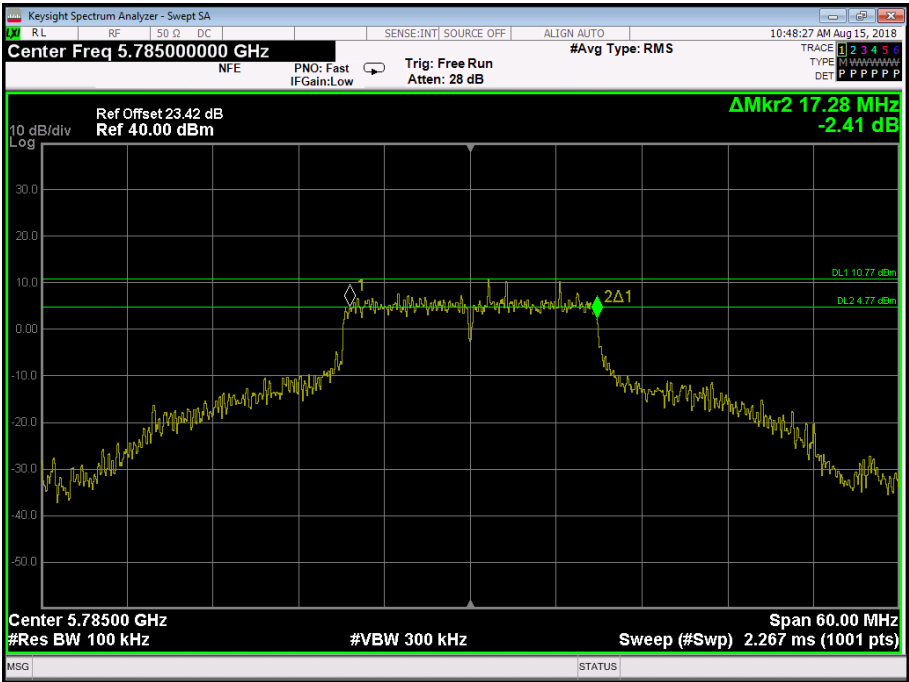


Figure 276 - 5785 MHz - 6 dB DTS Bandwidth

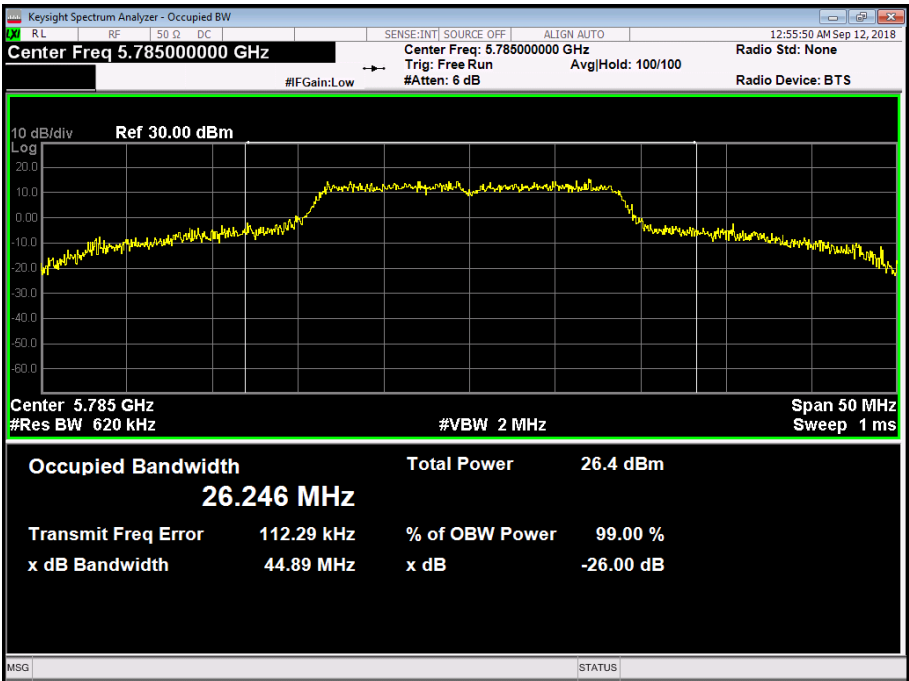


Figure 277 - 5785 MHz - 99% Occupied Bandwidth



Product Service

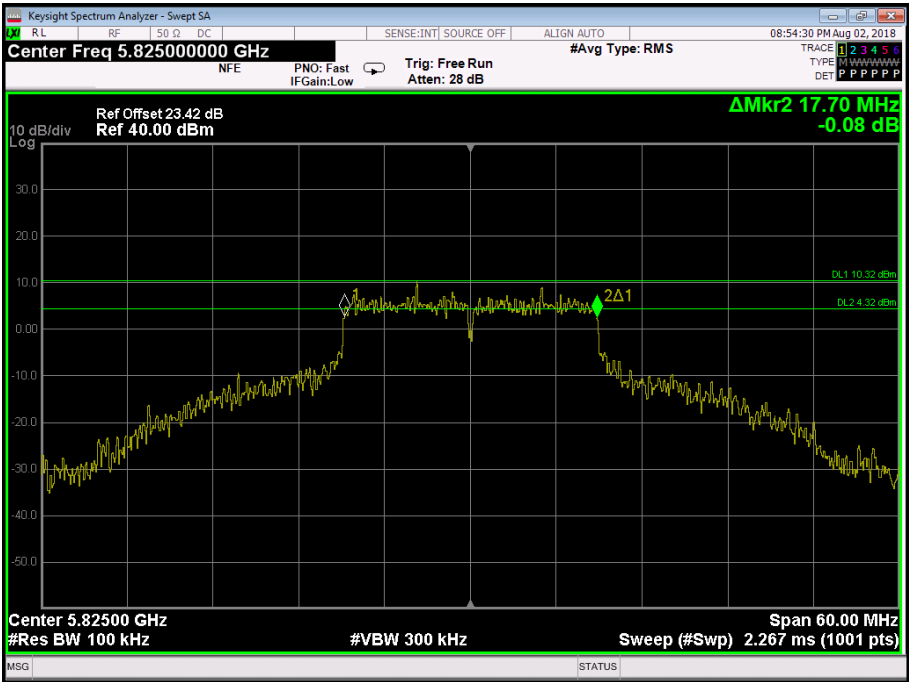


Figure 278 - 5825 MHz - 6 dB DTS Bandwidth

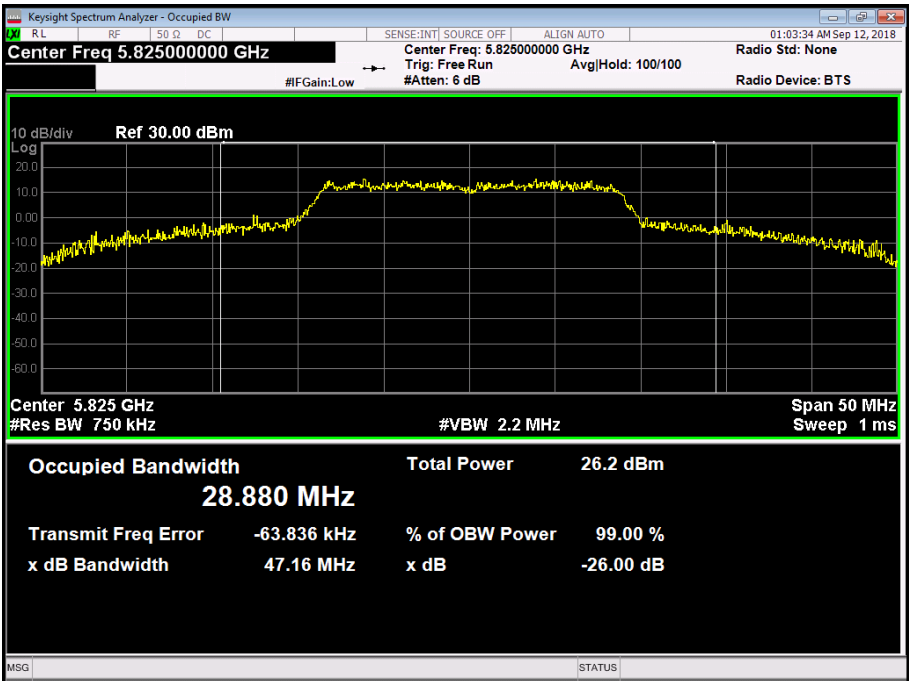


Figure 279 - 5825 MHz - 99% Occupied Bandwidth



802.11n / HT20 MCS0 / MIMO CDD / Cores 0+1+2

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.880	16.980	17.460	17.460
26 dB Bandwidth (MHz)	21.17	44.97	45.23	46.28
99% Bandwidth (MHz)	17.841	24.712	25.959	29.105

Table 344

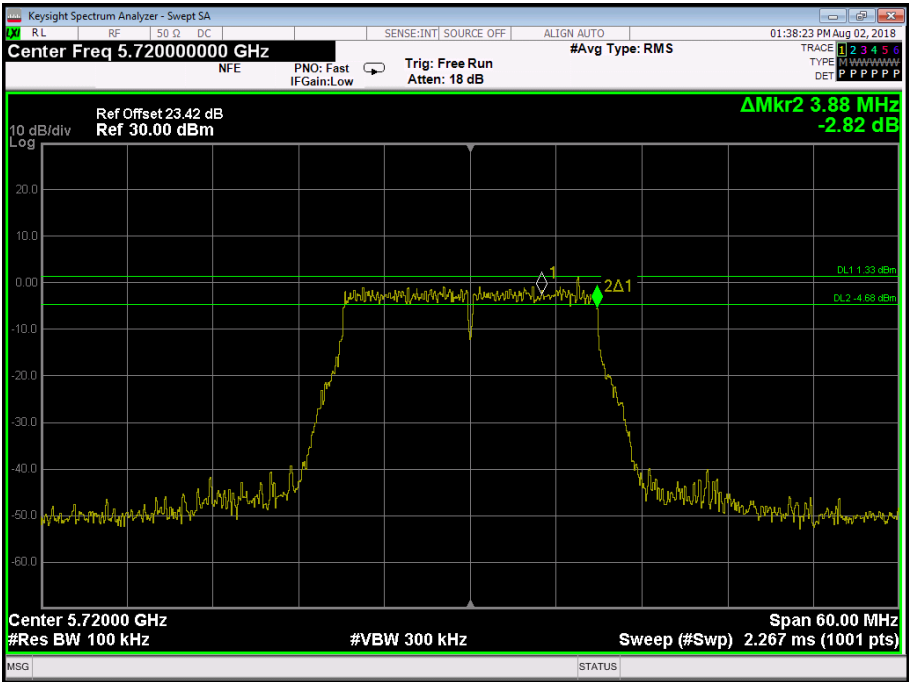


Figure 280 - 5720 MHz - 6 dB DTS Bandwidth

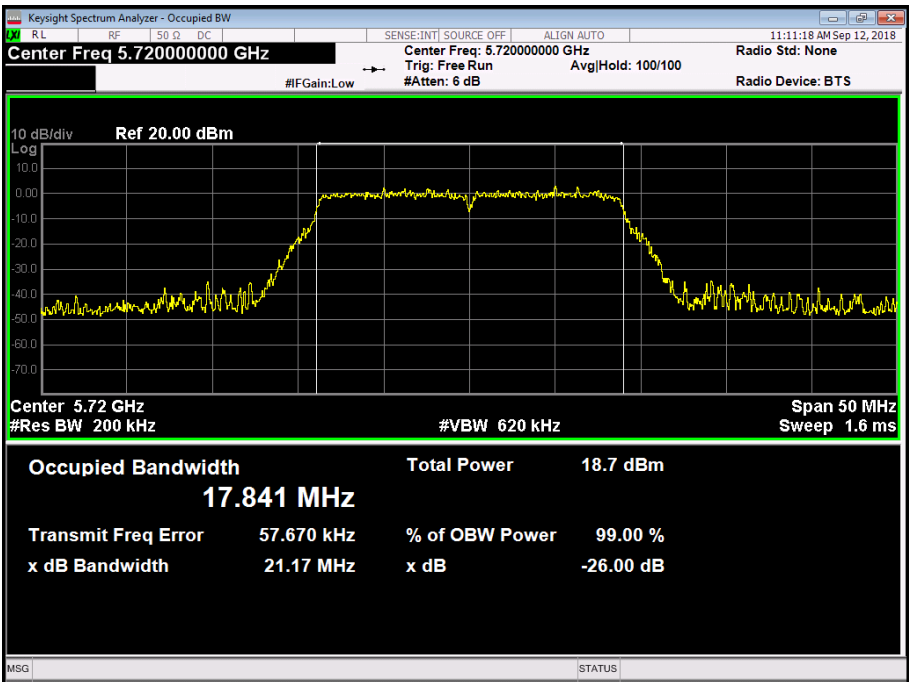


Figure 281 - 5720 MHz - 99% Occupied Bandwidth



Product Service

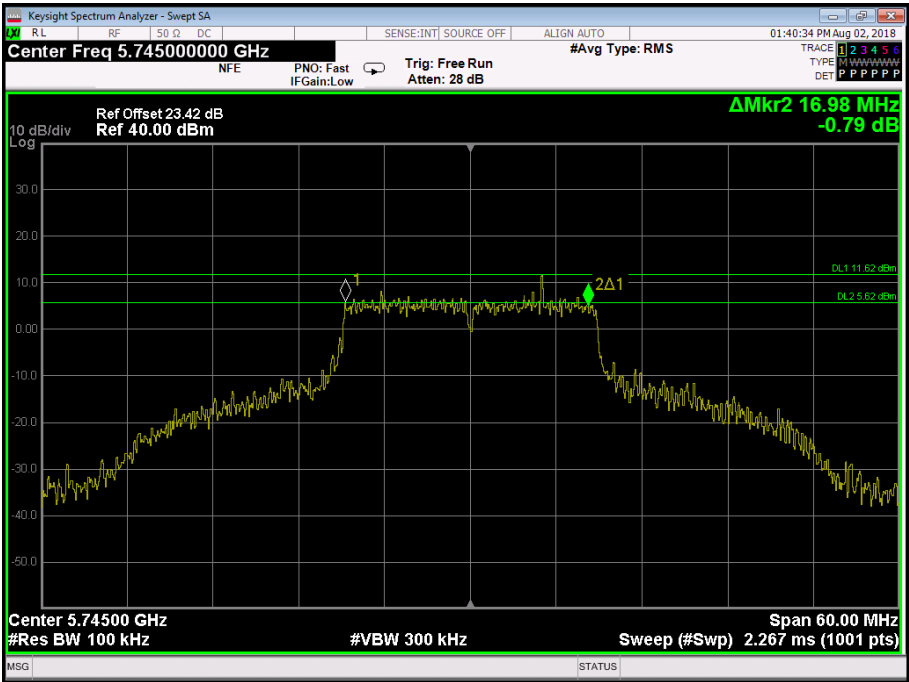


Figure 282 - 5745 MHz - 6 dB DTS Bandwidth

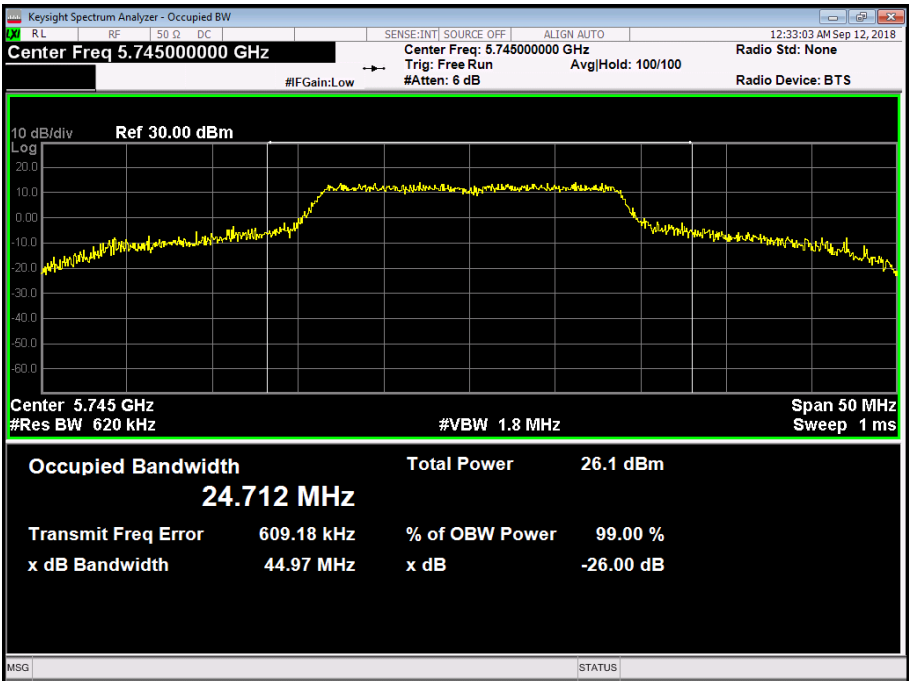


Figure 283 - 5745 MHz - 99% Occupied Bandwidth



Product Service

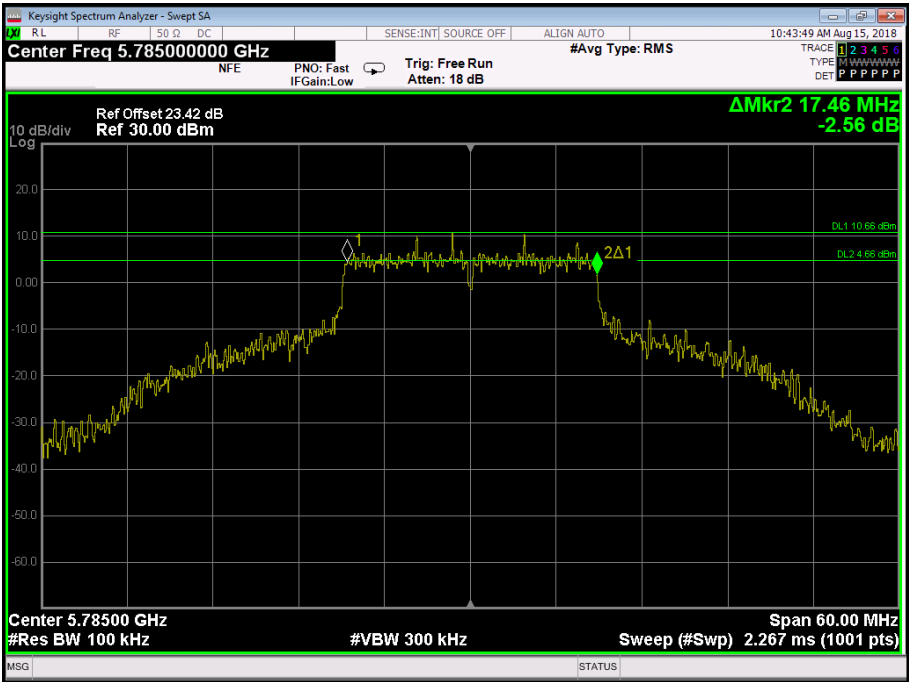


Figure 284 - 5785 MHz - 6 dB DTS Bandwidth

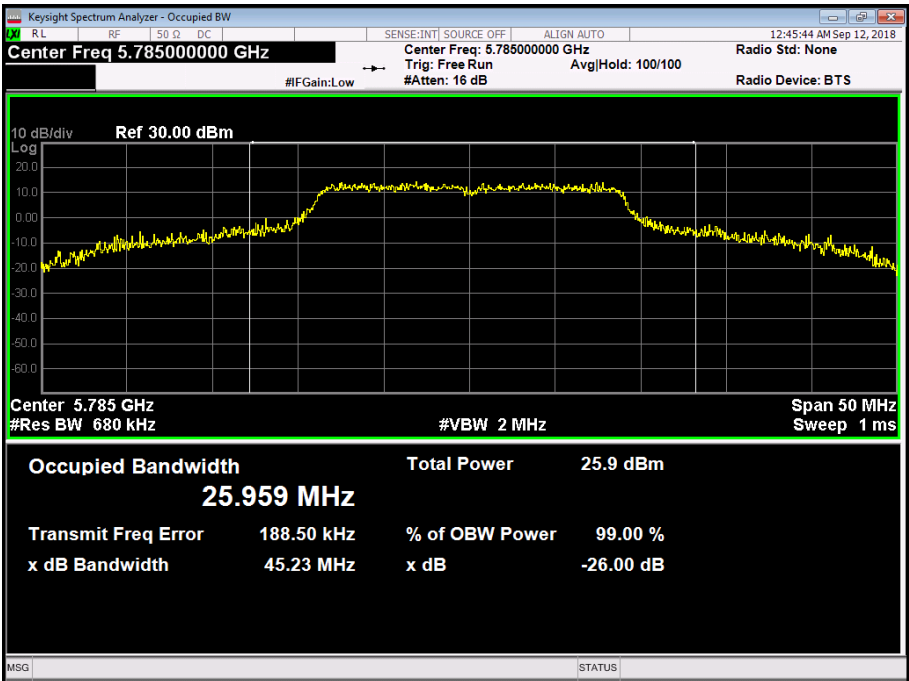


Figure 285 - 5785 MHz - 99% Occupied Bandwidth



Product Service

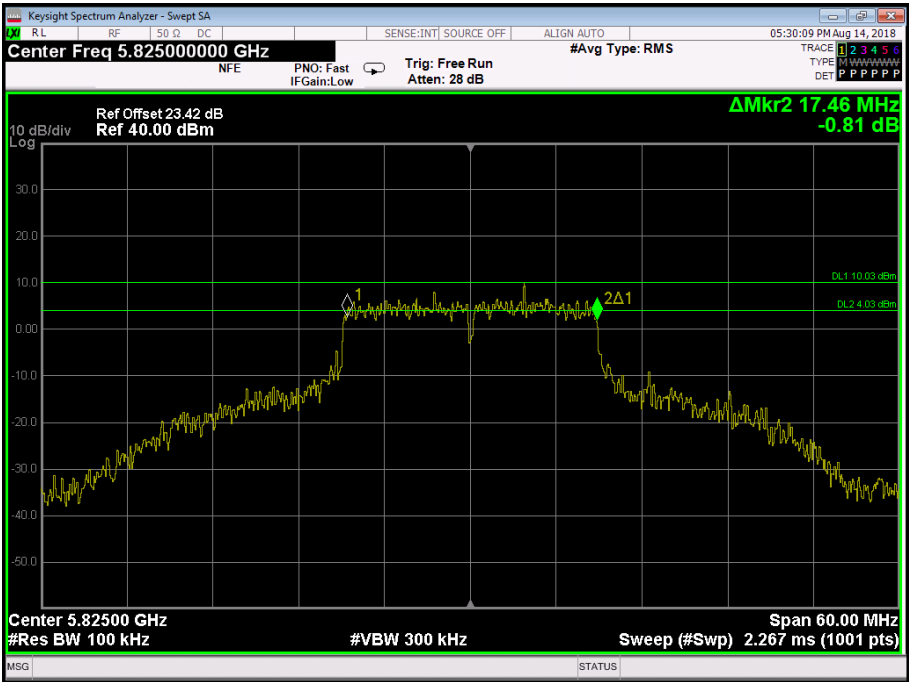


Figure 286 - 5825 MHz - 6 dB DTS Bandwidth

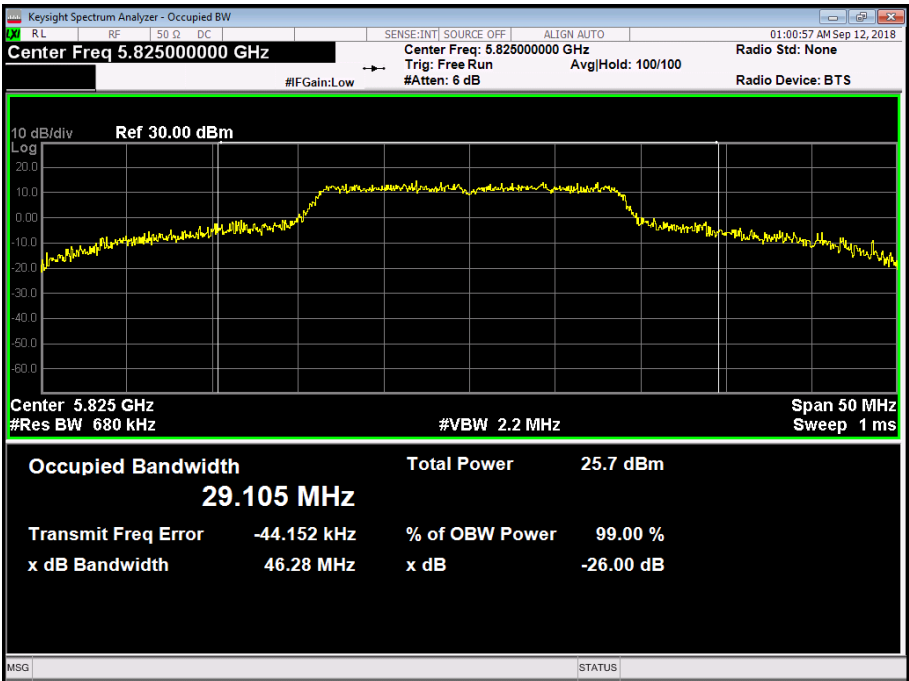


Figure 287 - 5825 MHz - 99% Occupied Bandwidth



802.11n / HT20 MCS16 / MIMO SDM / Cores 0+1+2

Channel	Straddle	Bottom	Middle
Frequency (MHz)	5720	5745	5785
6 dB Bandwidth (MHz)	3.880	17.460	16.140
26 dB Bandwidth (MHz)	21.11	40.60	44.18
99% Bandwidth (MHz)	17.799	24.703	28.294

Table 345

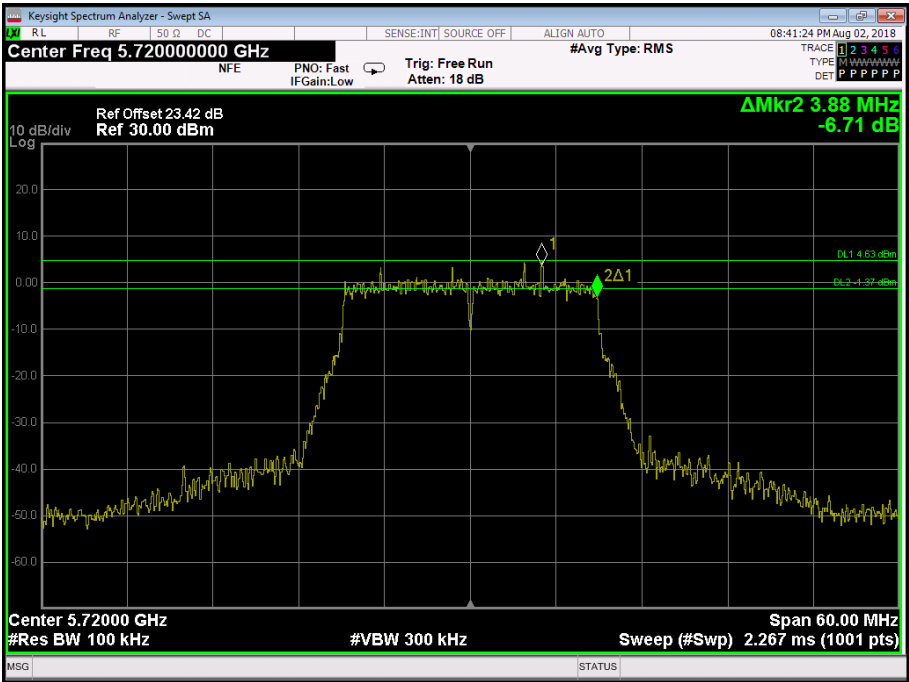


Figure 288 - 5720 MHz - 6 dB DTS Bandwidth

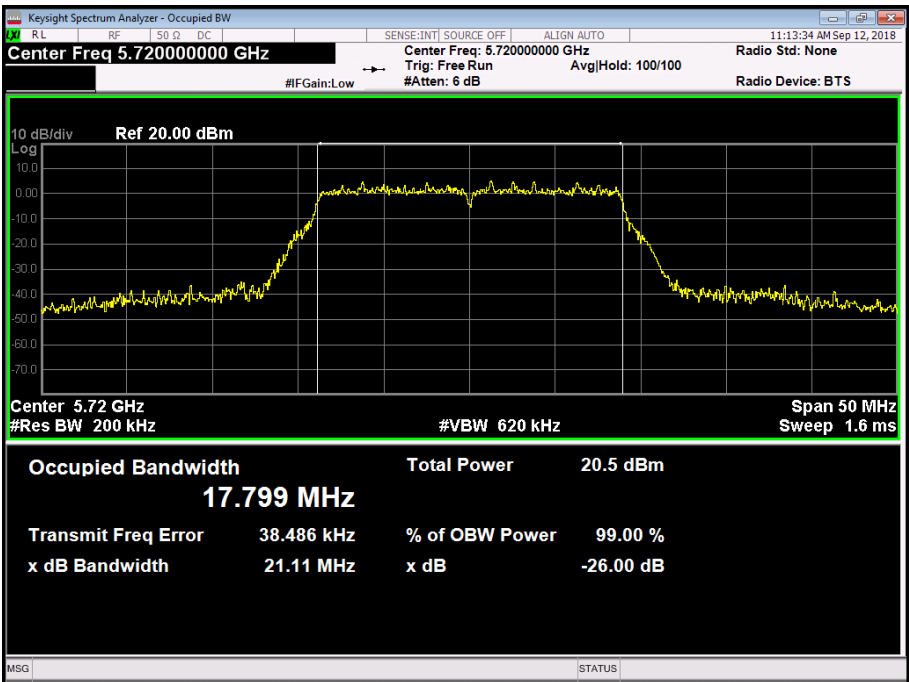


Figure 289 - 5720 MHz - 99% Occupied Bandwidth



Product Service

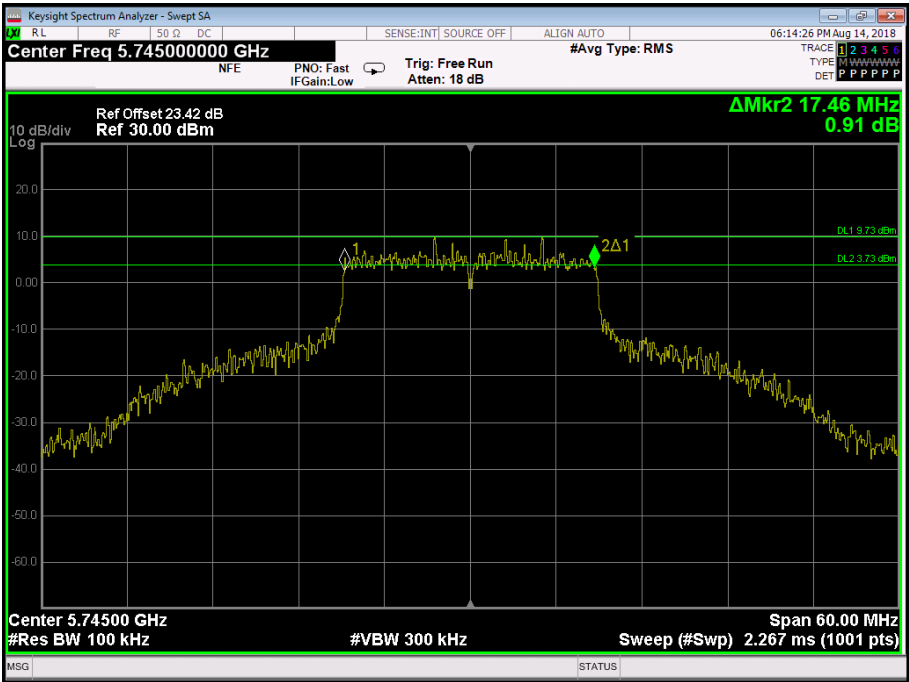


Figure 290 - 5745 MHz - 6 dB DTS Bandwidth

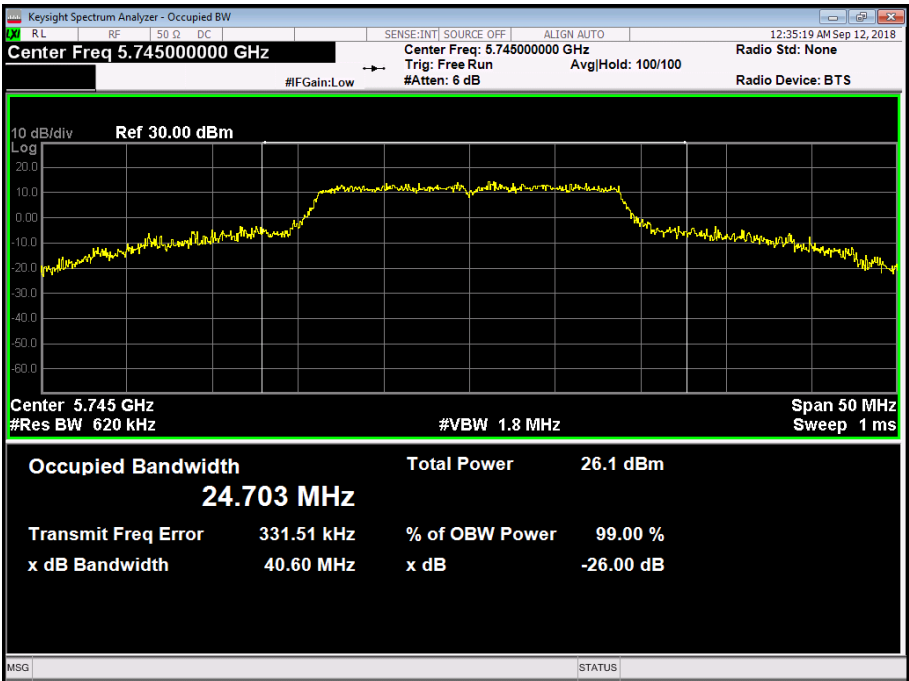


Figure 291 - 5745 MHz - 99% Occupied Bandwidth



Product Service

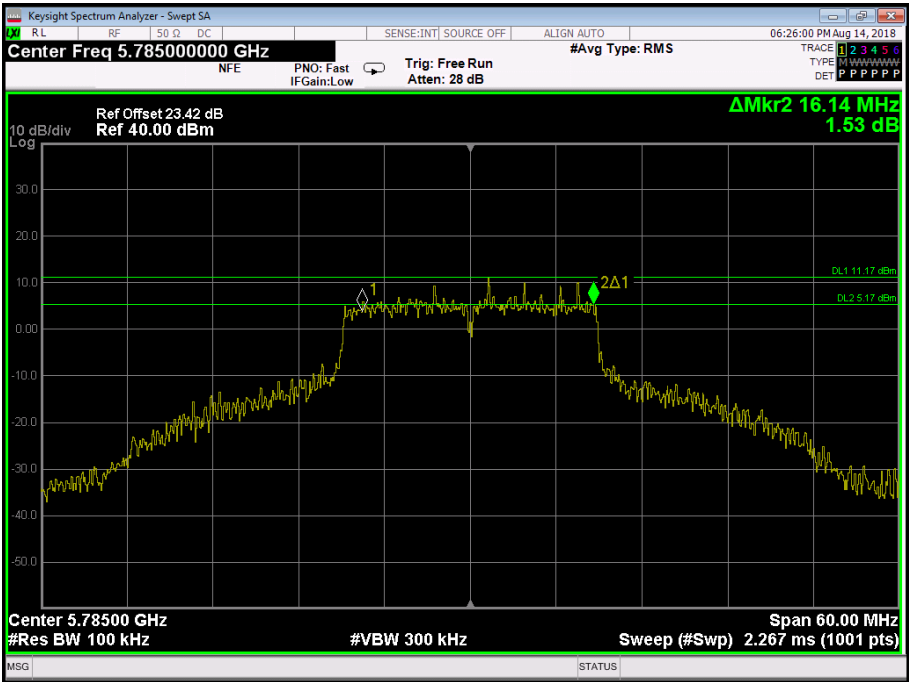


Figure 292 - 5785 MHz - 6 dB DTS Bandwidth

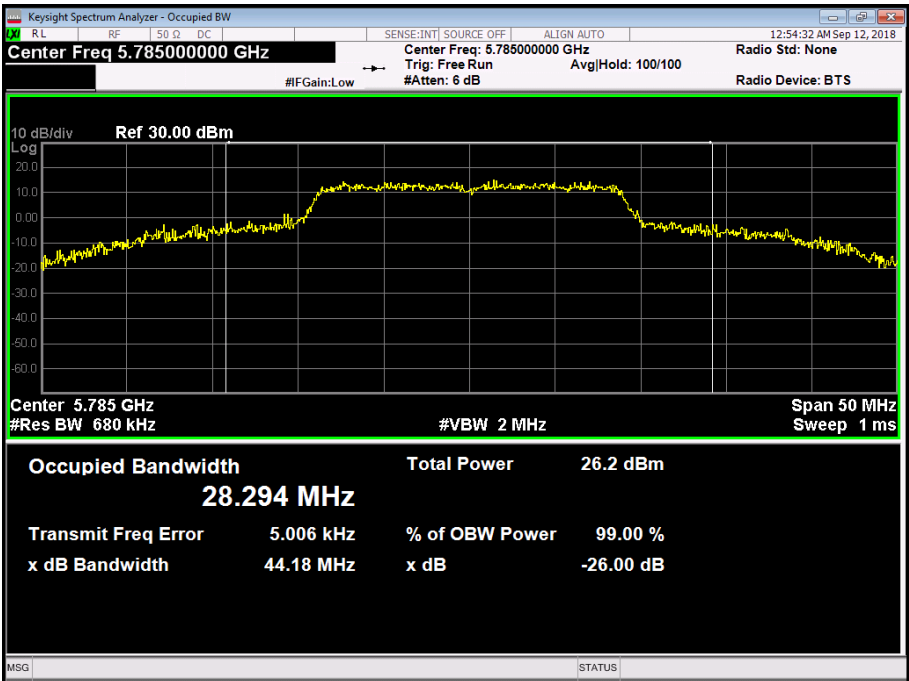


Figure 293 - 5785 MHz - 99% Occupied Bandwidth



802.11n / HT40 MCS0 / SISO / Core 2

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.360	36.480	36.480
26 dB Bandwidth (MHz)	85.58	90.32	89.15
99% Bandwidth (MHz)	43.547	48.851	55.040

Table 346

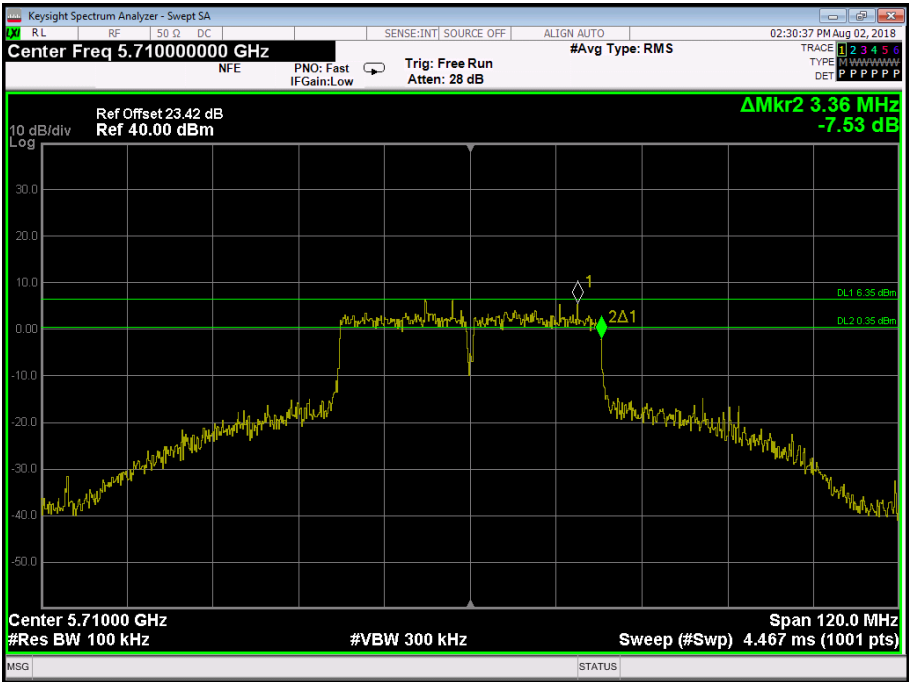


Figure 294 - 5710 MHz - 6 dB DTS Bandwidth

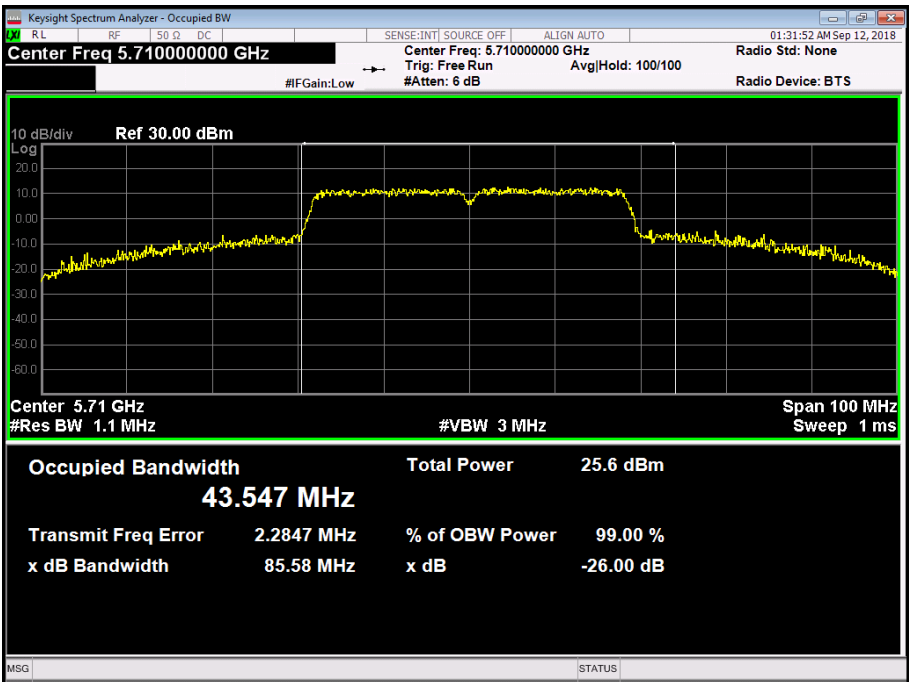


Figure 295 - 5710 MHz - 99% Occupied Bandwidth



Product Service

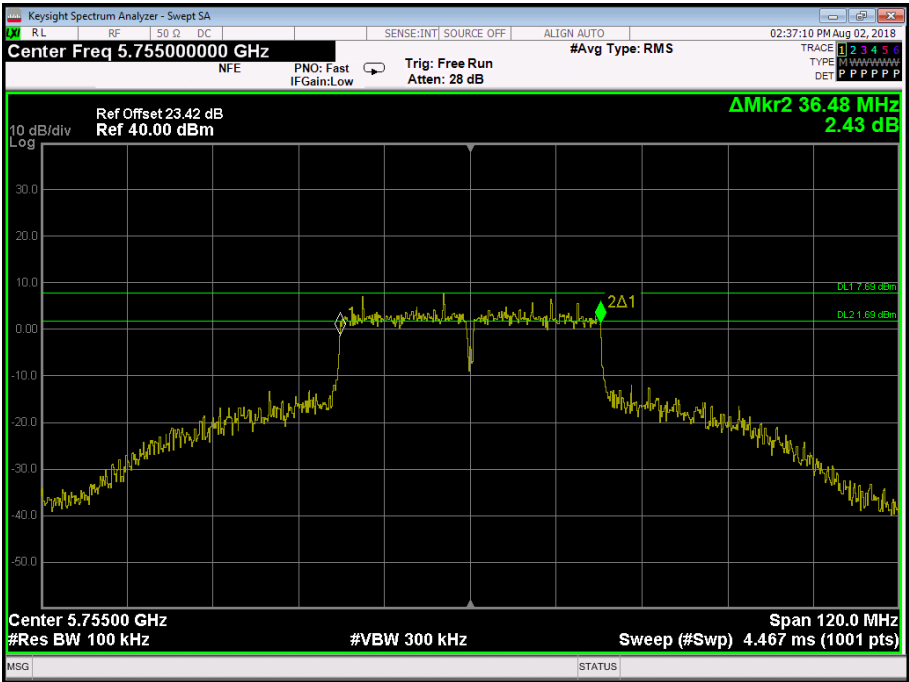


Figure 296 - 5755 MHz - 6 dB DTS Bandwidth

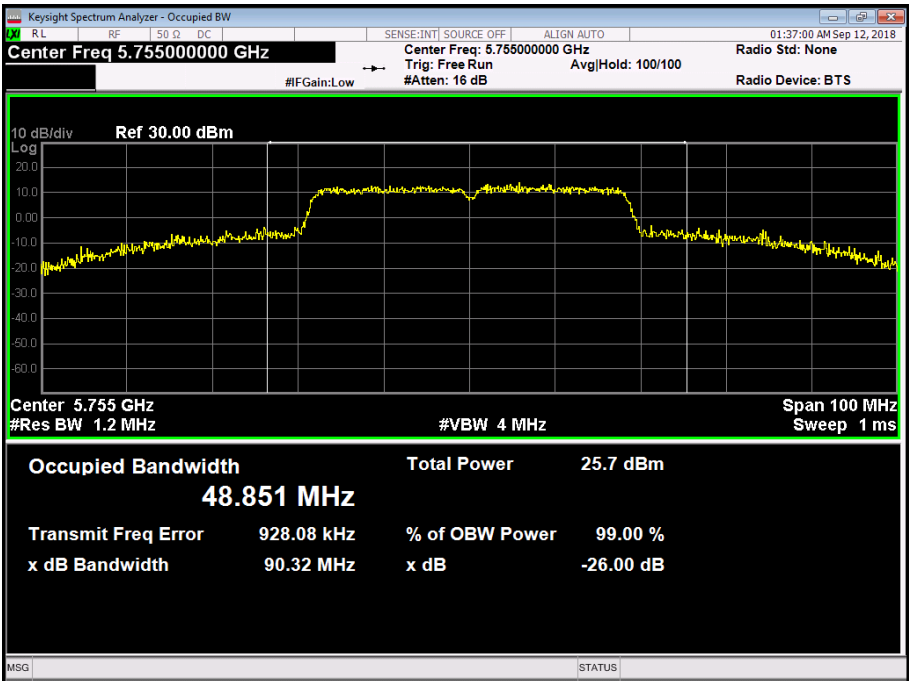


Figure 297 - 5755 MHz - 99% Occupied Bandwidth



Product Service

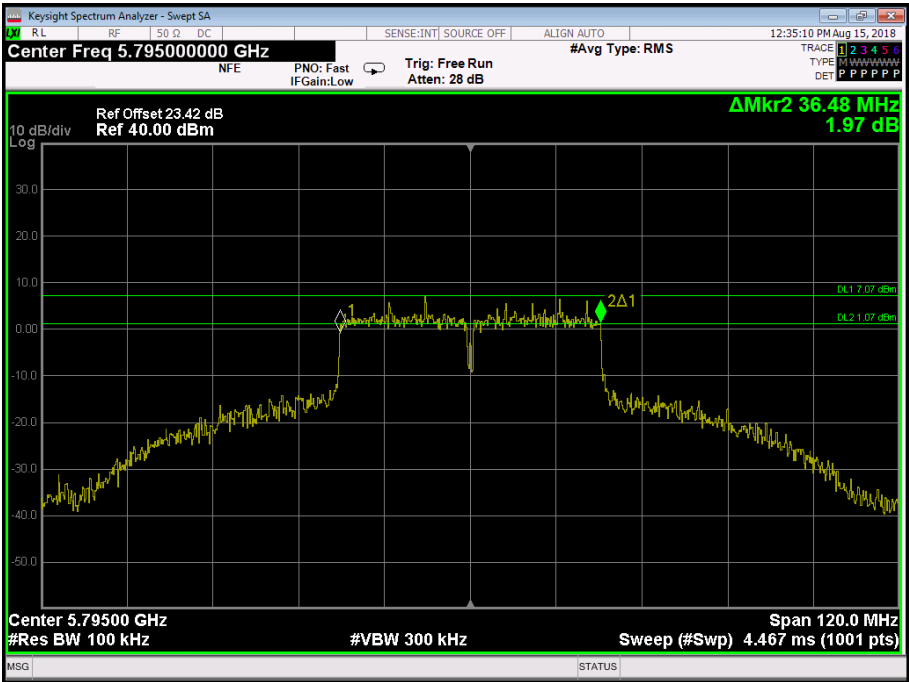


Figure 298 - 5795 MHz - 6 dB DTS Bandwidth

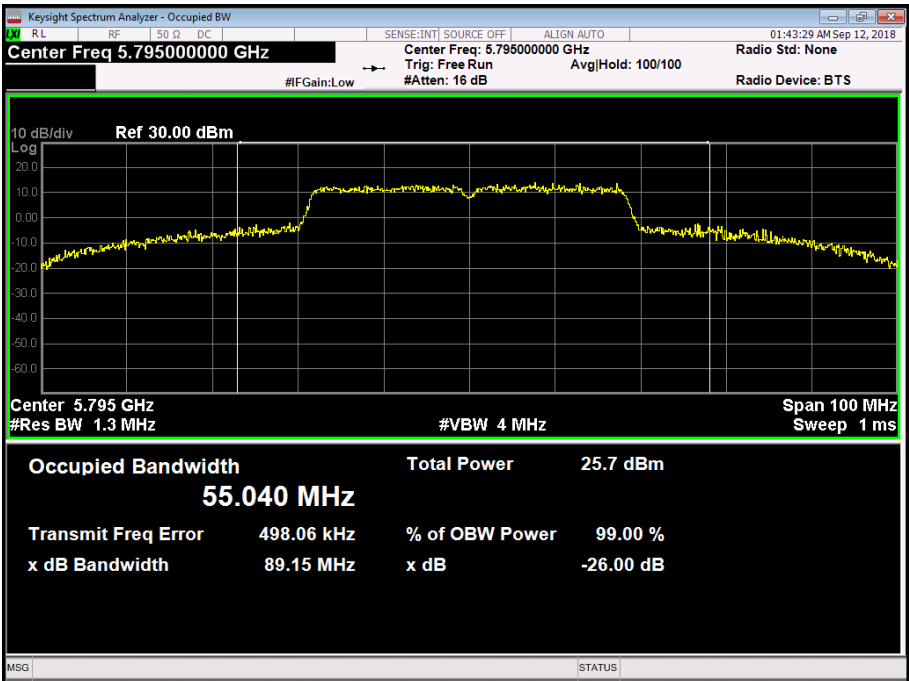


Figure 299 - 5795 MHz - 99% Occupied Bandwidth



802.11n / HT40 MCS0 / MIMO CDD / Cores 0+2

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.240	36.600	36.120
26 dB Bandwidth (MHz)	22.320	74.040	92.760
99% Bandwidth (MHz)	42.75	86.37	89.16

Table 347

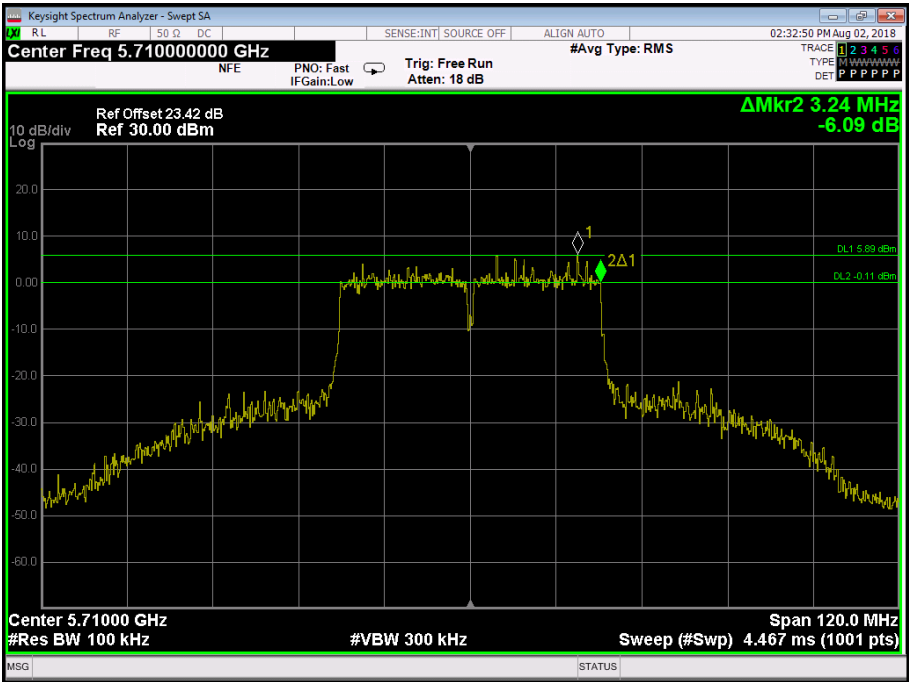


Figure 300 - 5710 MHz - 6 dB DTS Bandwidth

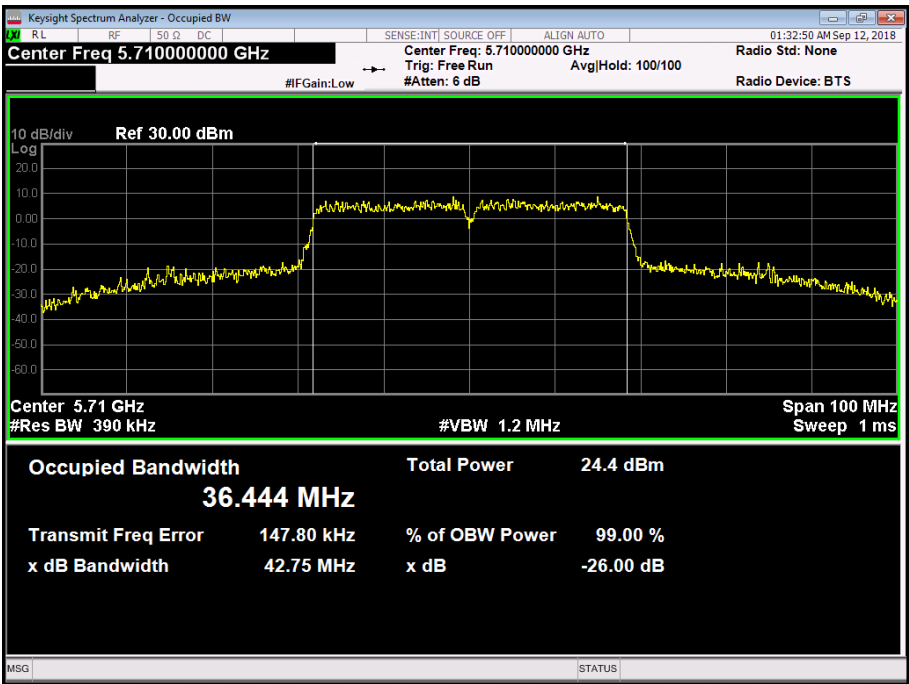


Figure 301 - 5710 MHz - 99% Occupied Bandwidth



Product Service

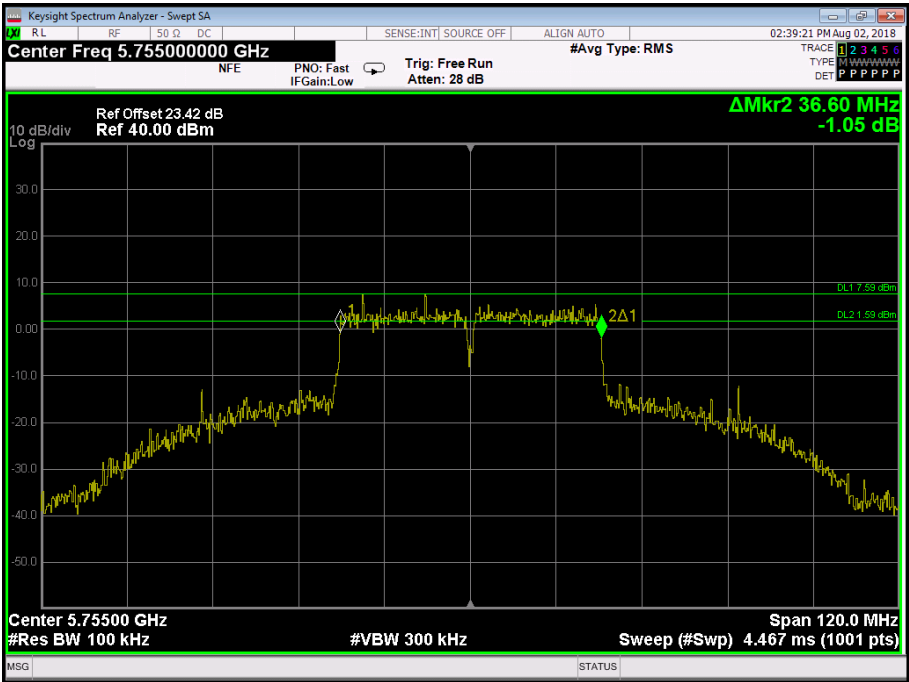


Figure 302 - 5755 MHz - 6 dB DTS Bandwidth

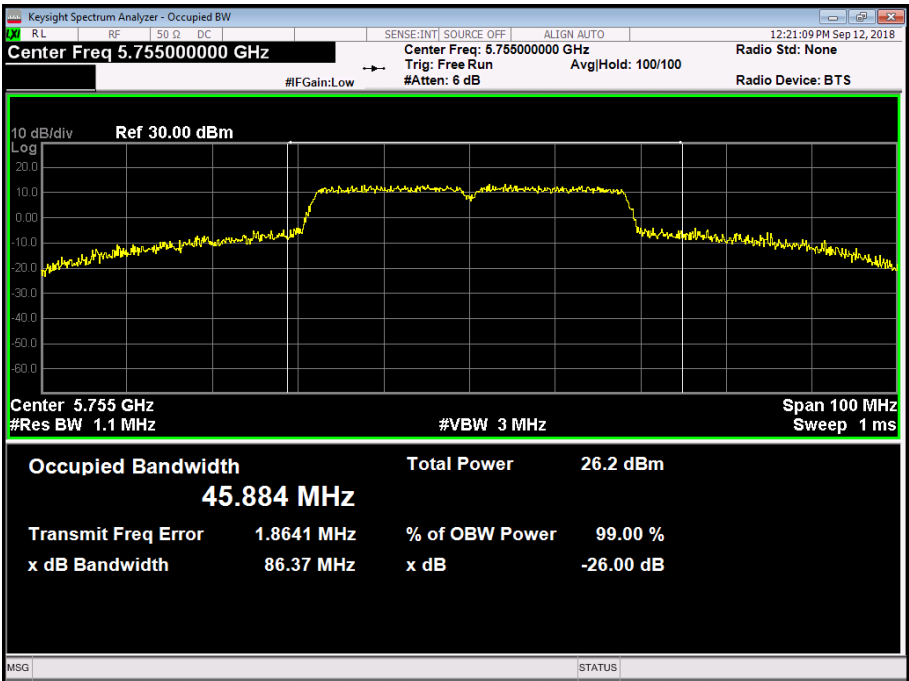


Figure 303 - 5755 MHz - 99% Occupied Bandwidth



Product Service

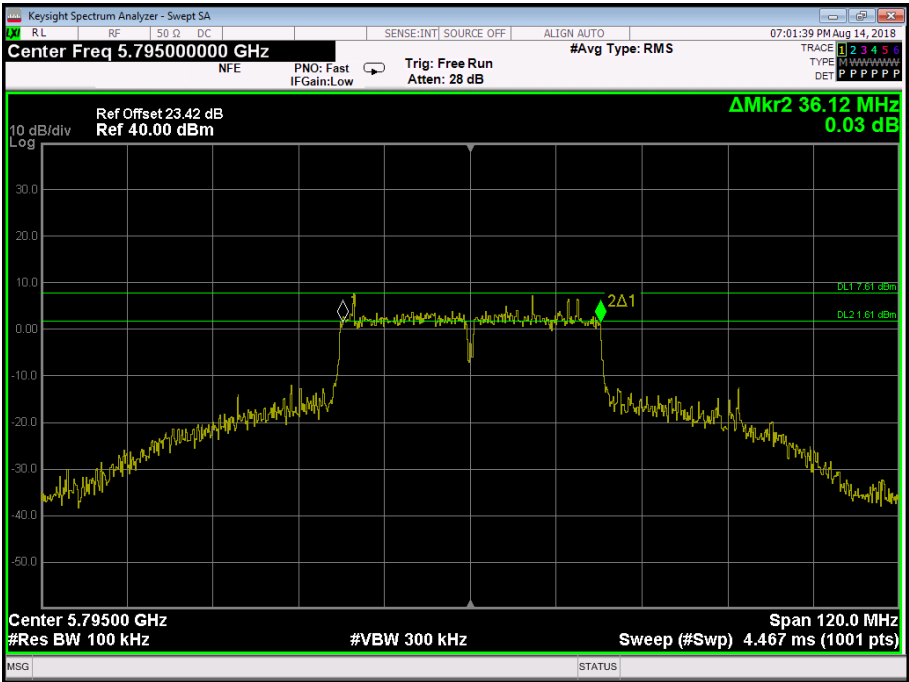


Figure 304 - 5795 MHz - 6 dB DTS Bandwidth

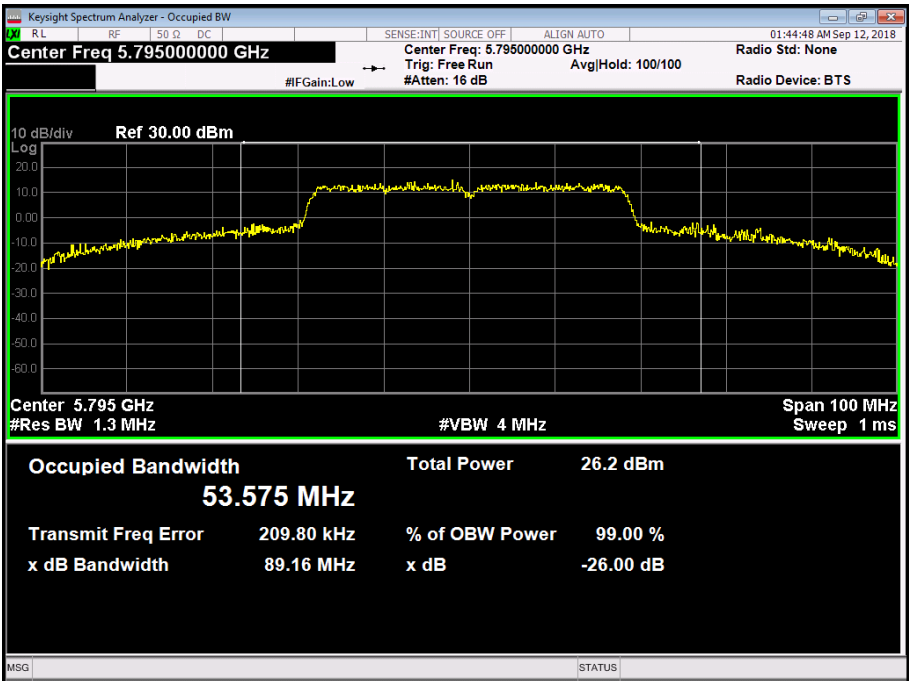


Figure 305 - 5795 MHz - 99% Occupied Bandwidth



802.11n / HT40 MCS8 / MIMO SDM / Cores 0+2

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.000	36.120	36.360
26 dB Bandwidth (MHz)	56.41	92.07	95.12
99% Bandwidth (MHz)	36.495	49.258	53.790

Table 348

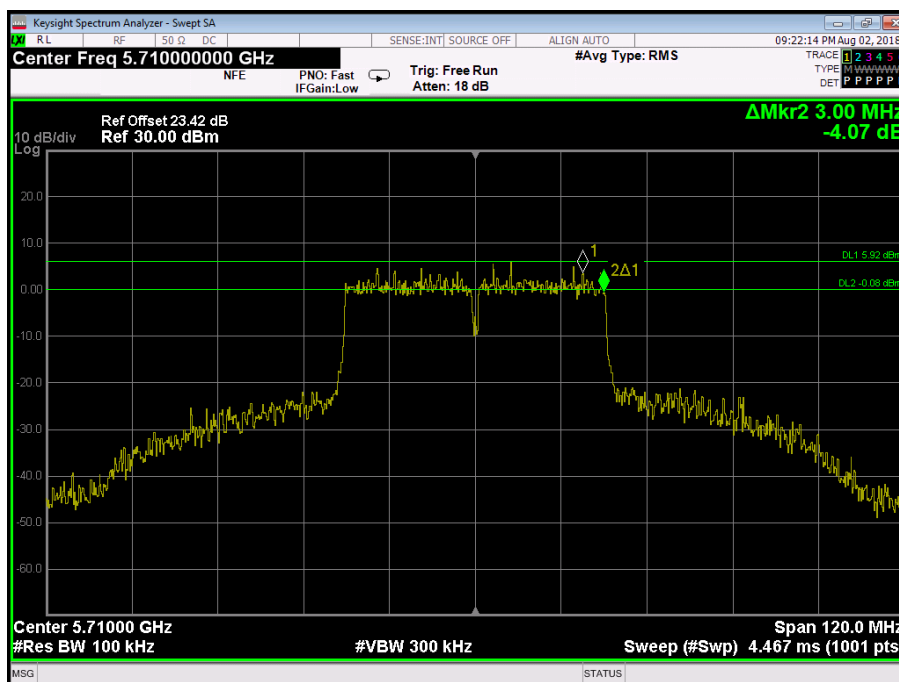


Figure 306 - 5710 MHz - 6 dB DTS Bandwidth

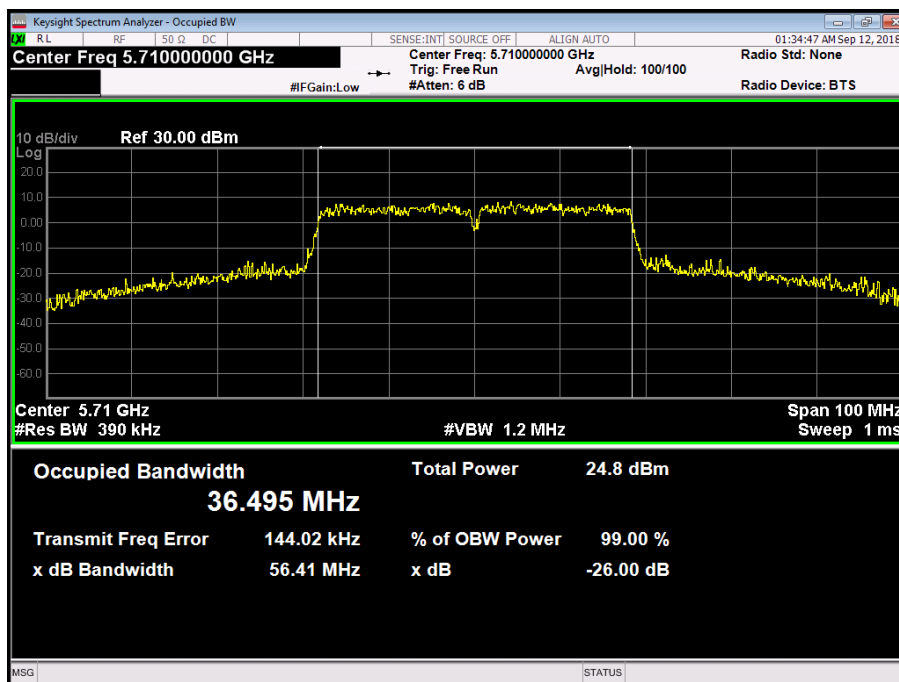


Figure 307 - 5710 MHz - 99% Occupied Bandwidth



Product Service

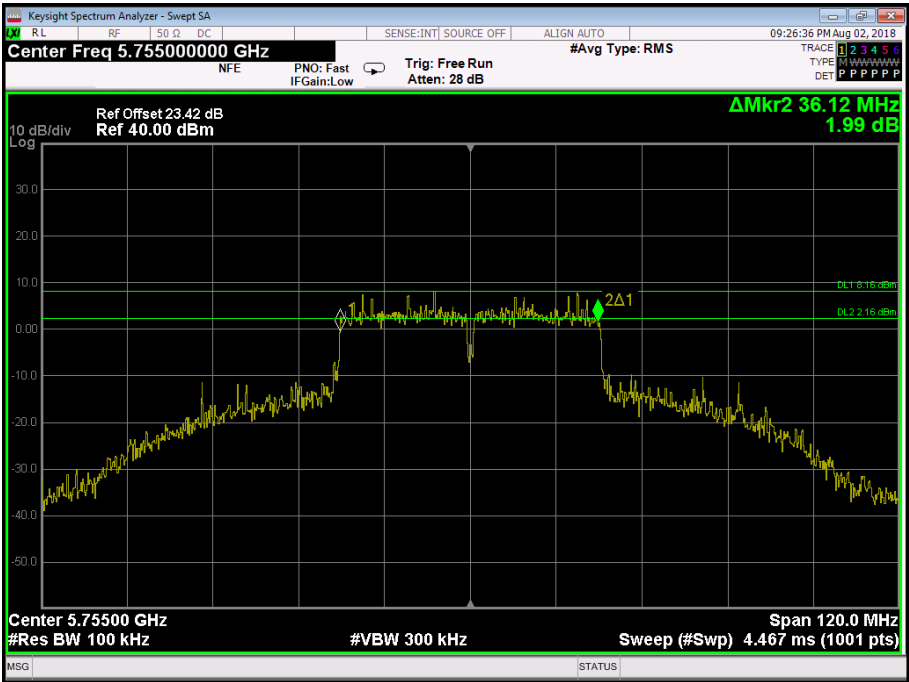


Figure 308 - 5755 MHz - 6 dB DTS Bandwidth

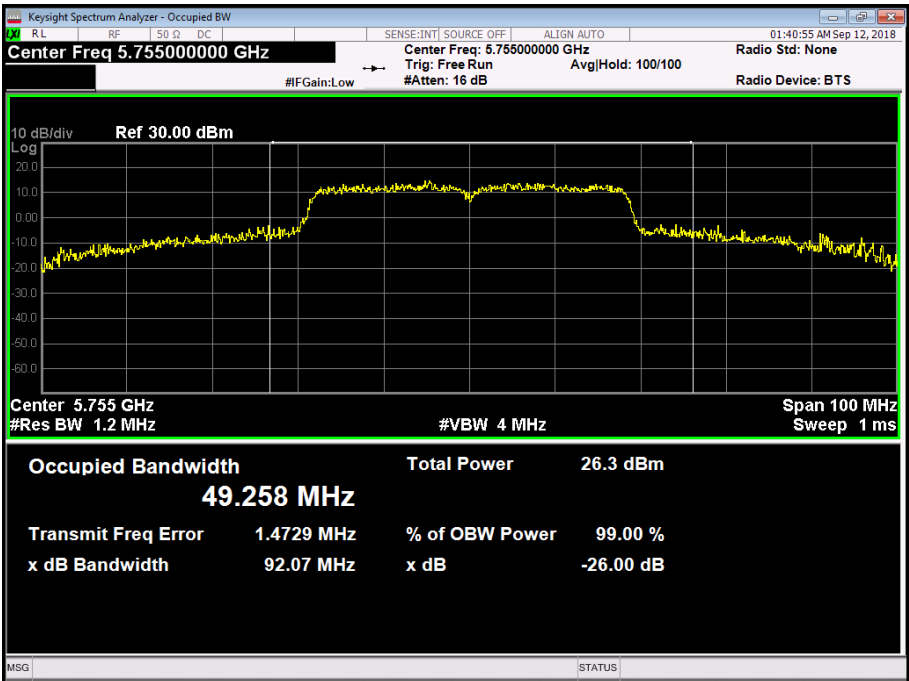


Figure 309 - 5755 MHz - 99% Occupied Bandwidth



Product Service



Figure 310 - 5795 MHz - 6 dB DTS Bandwidth

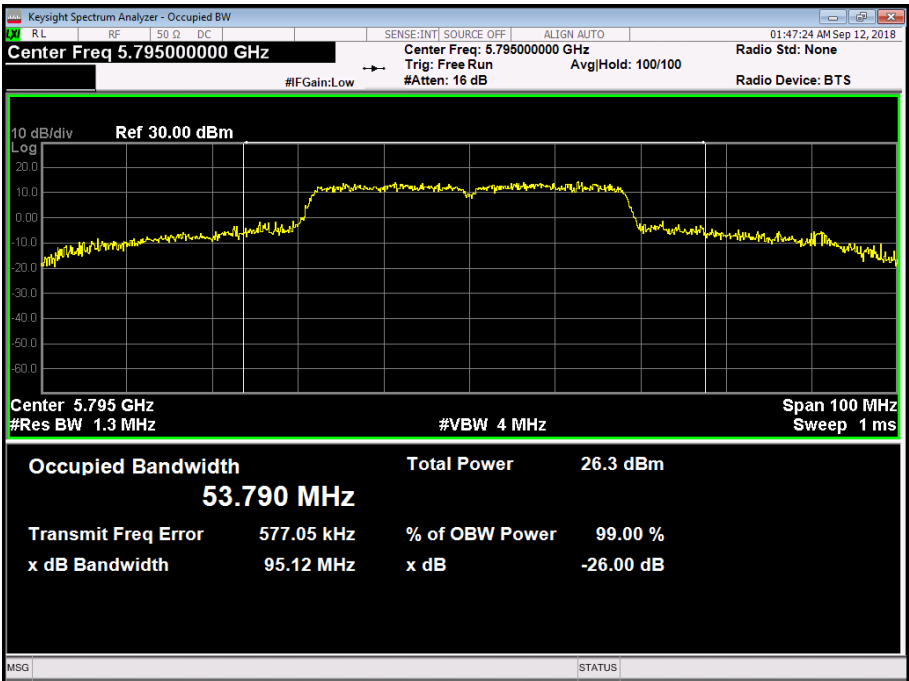


Figure 311 - 5795 MHz - 99% Occupied Bandwidth



802.11n / HT40 MCS0 / MIMO CDD / Cores 0+1+2

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.000	36.480	35.400
26 dB Bandwidth (MHz)	39.76	85.82	91.42
99% Bandwidth (MHz)	36.340	49.125	54.893

Table 349

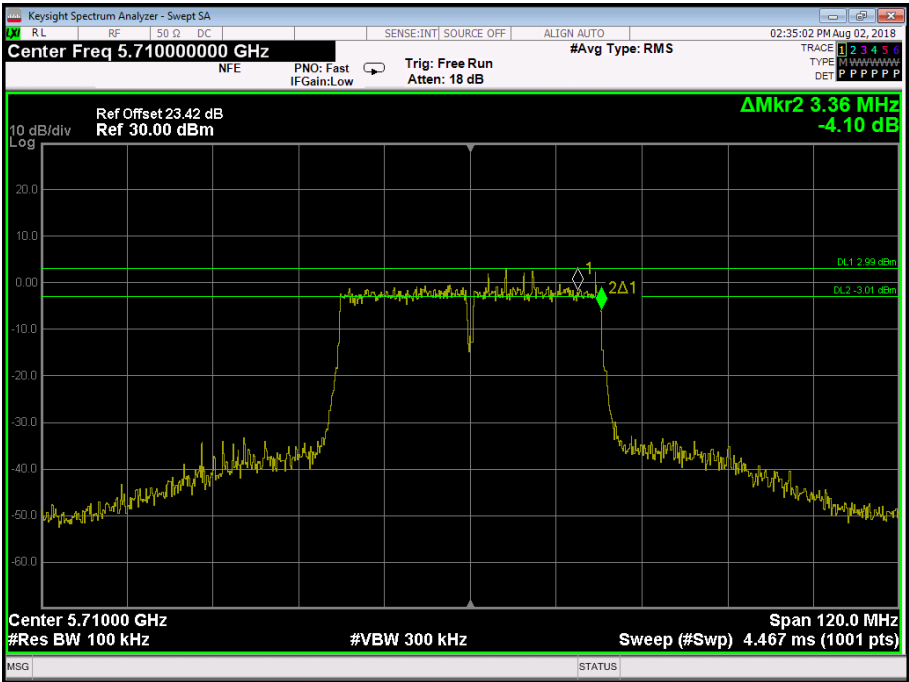


Figure 312 - 5710 MHz - 6 dB DTS Bandwidth

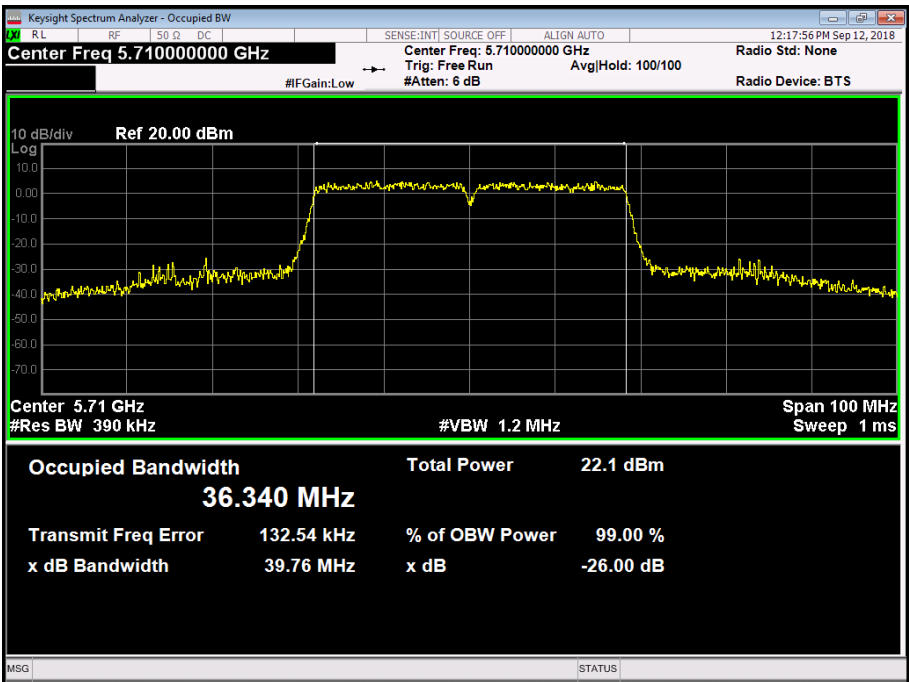


Figure 313 - 5710 MHz - 99% Occupied Bandwidth



Product Service

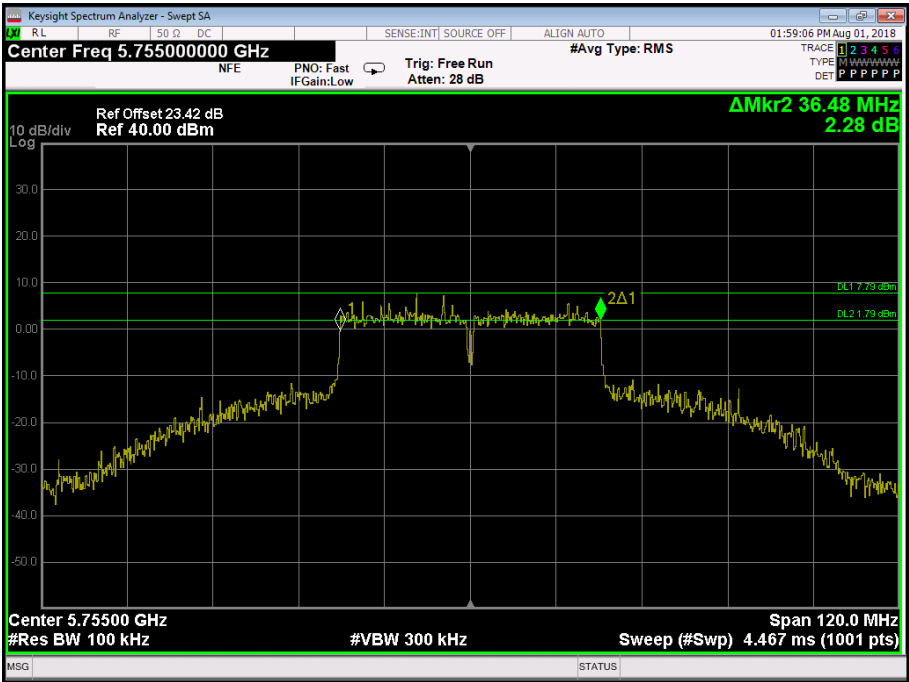


Figure 314 - 5755 MHz - 6 dB DTS Bandwidth

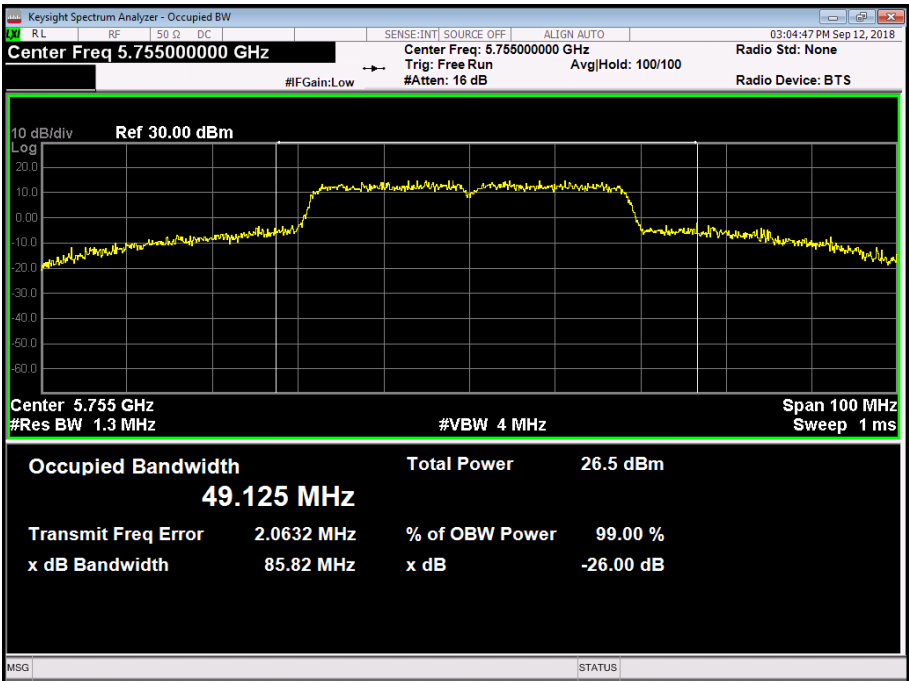


Figure 315 - 5755 MHz - 99% Occupied Bandwidth



Product Service

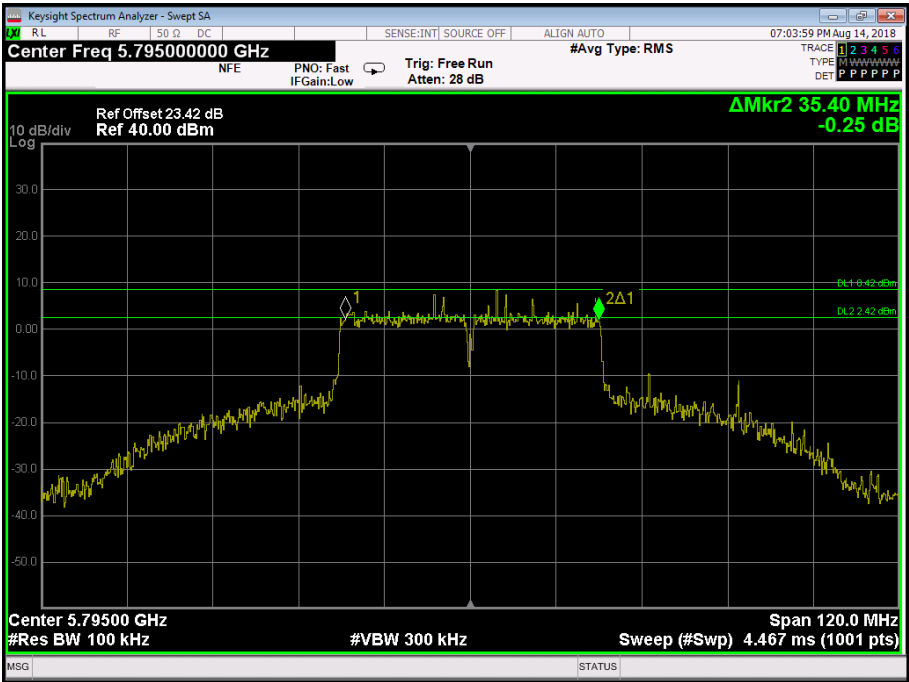


Figure 316 - 5795 MHz - 6 dB DTS Bandwidth

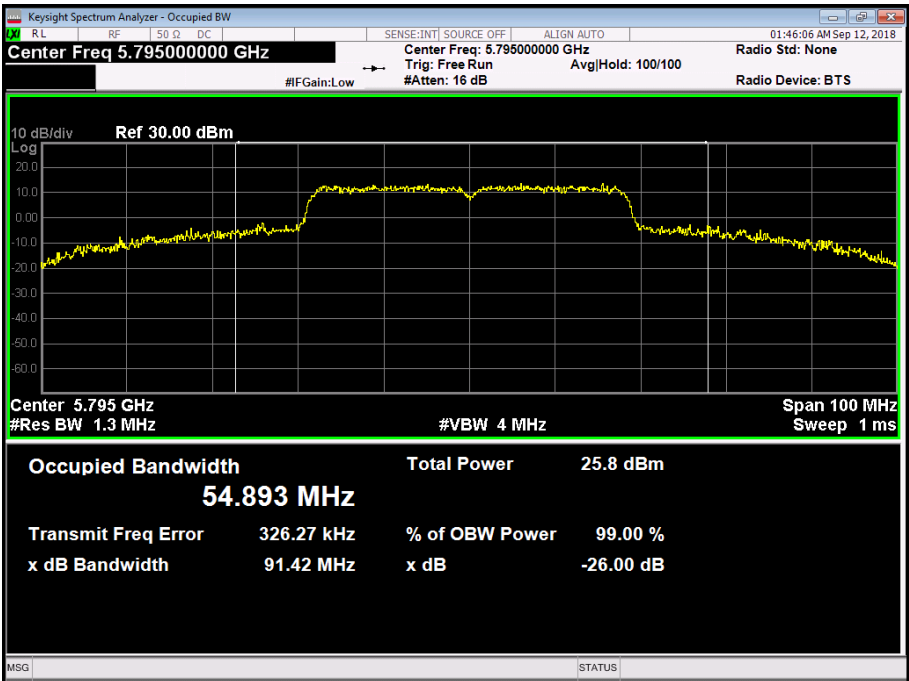


Figure 317 - 5795 MHz - 99% Occupied Bandwidth



802.11n / HT40 MCS16 / MIMO SDM / Cores 0+1+2

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.240	36.240	36.120
26 dB Bandwidth (MHz)	46.18	90.83	91.55
99% Bandwidth (MHz)	36.436	53.607	58.223

Table 350

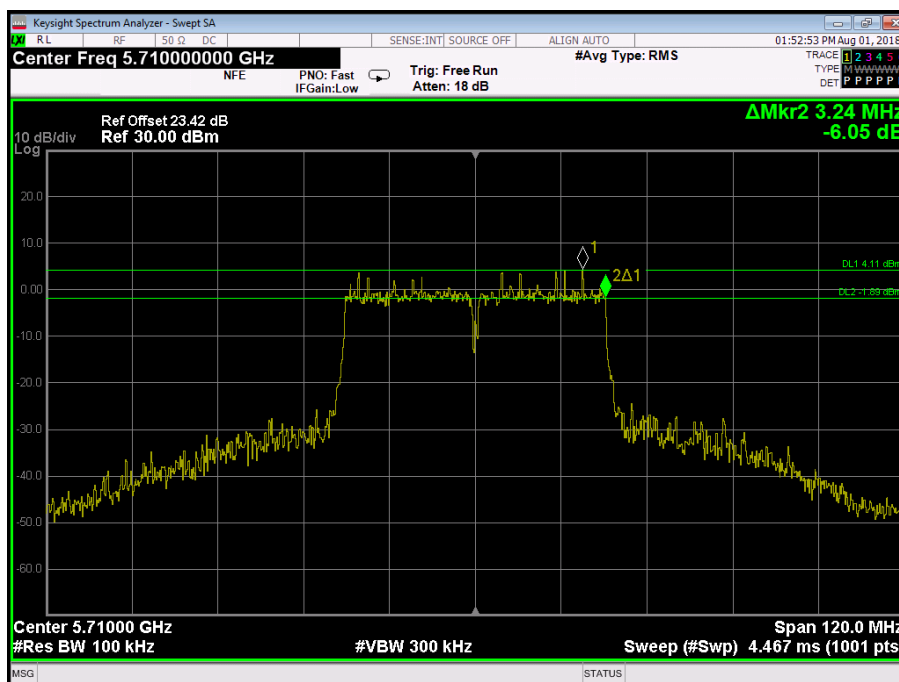


Figure 318 - 5710 MHz - 6 dB DTS Bandwidth

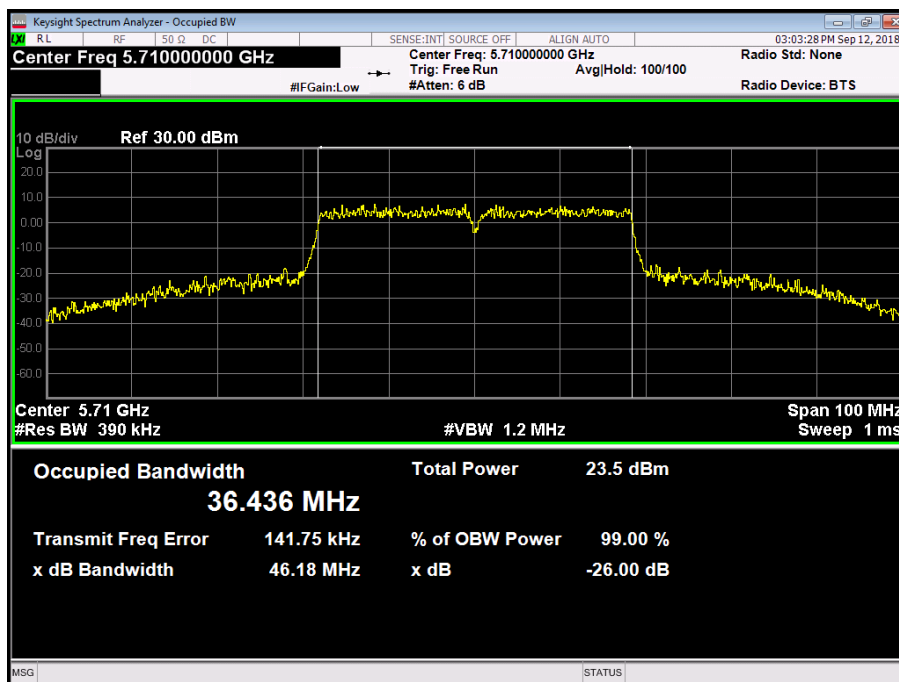


Figure 319 - 5710 MHz - 99% Occupied Bandwidth



Product Service

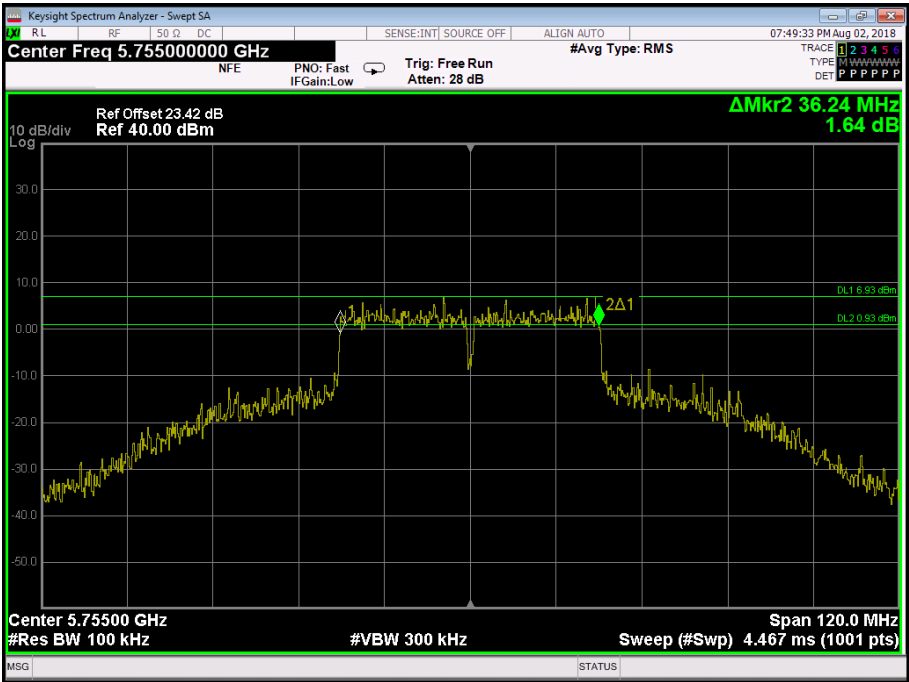


Figure 320 - 5755 MHz - 6 dB DTS Bandwidth

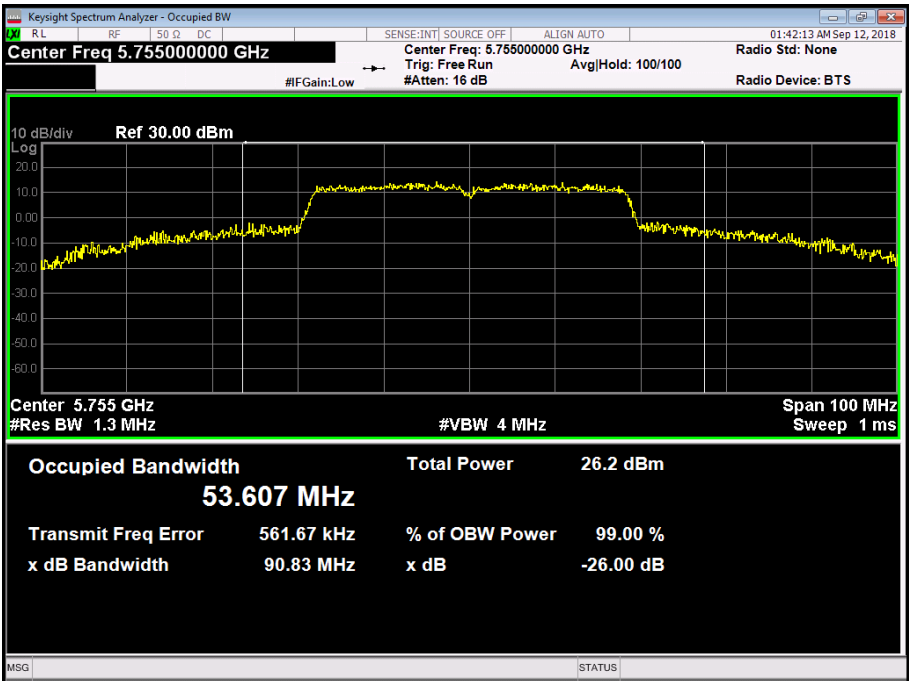


Figure 321 - 5755 MHz - 99% Occupied Bandwidth



Product Service

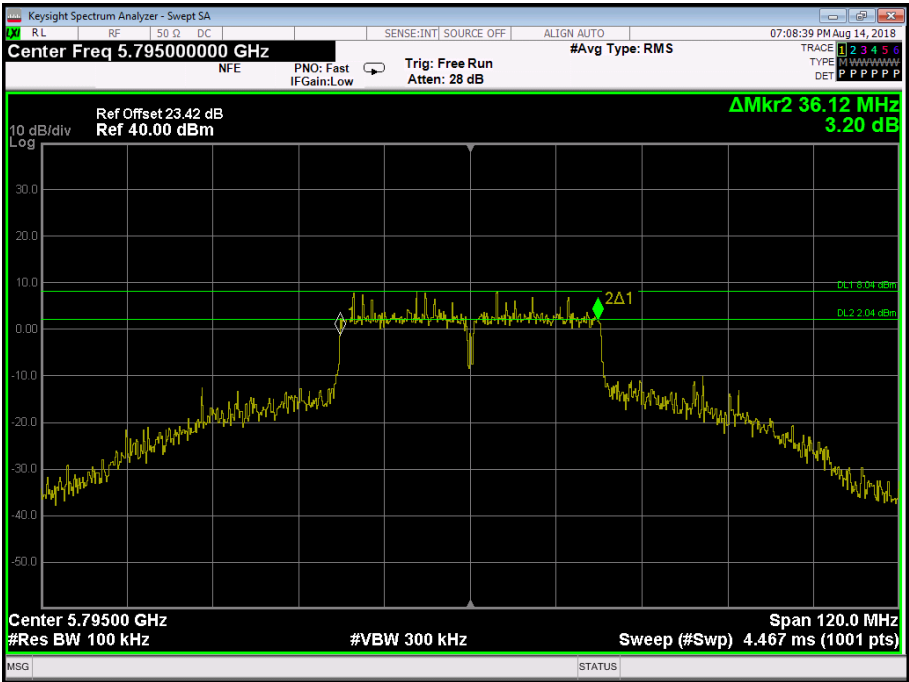


Figure 322 - 5795 MHz - 6 dB DTS Bandwidth

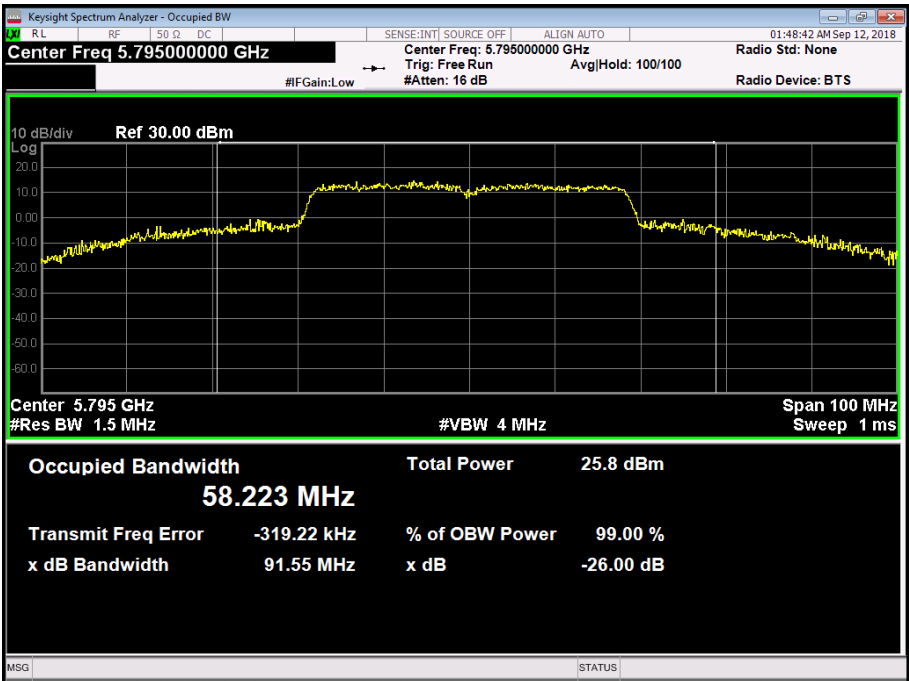


Figure 323 - 5795 MHz - 99% Occupied Bandwidth



802.11ac / VHT20 MCS0x1 / MIMO TxBF / Cores 0+2

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.220	15.480	11.460	16.440
26 dB Bandwidth (MHz)	32.83	19.78	33.17	30.88
99% Bandwidth (MHz)	19.518	17.530	19.360	19.461

Table 351

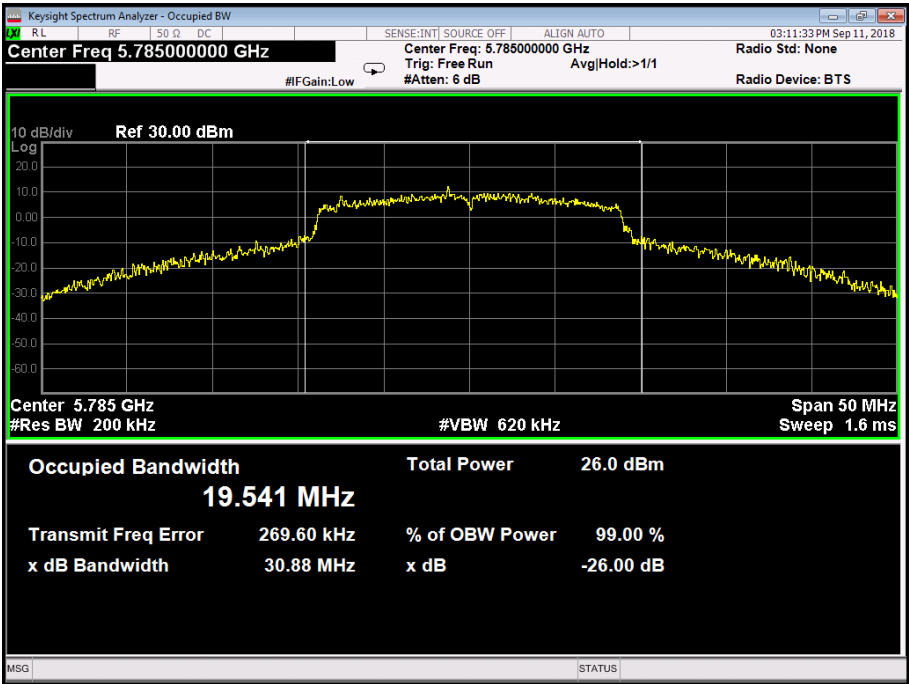


Figure 324 - 5825 MHz - 99% Occupied Bandwidth

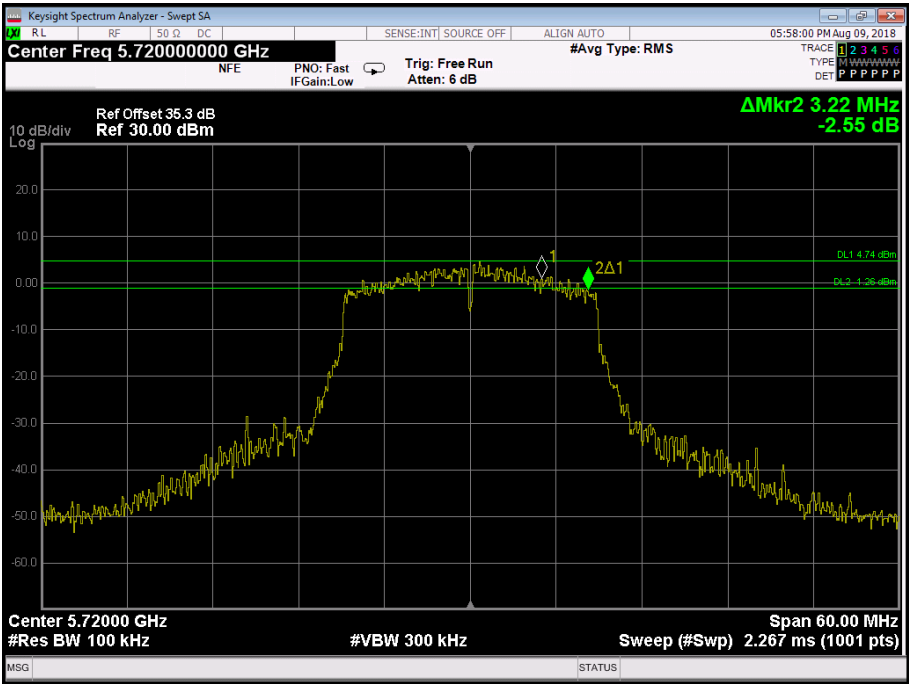


Figure 325 - 5720 MHz - 6 dB DTS Bandwidth



Product Service

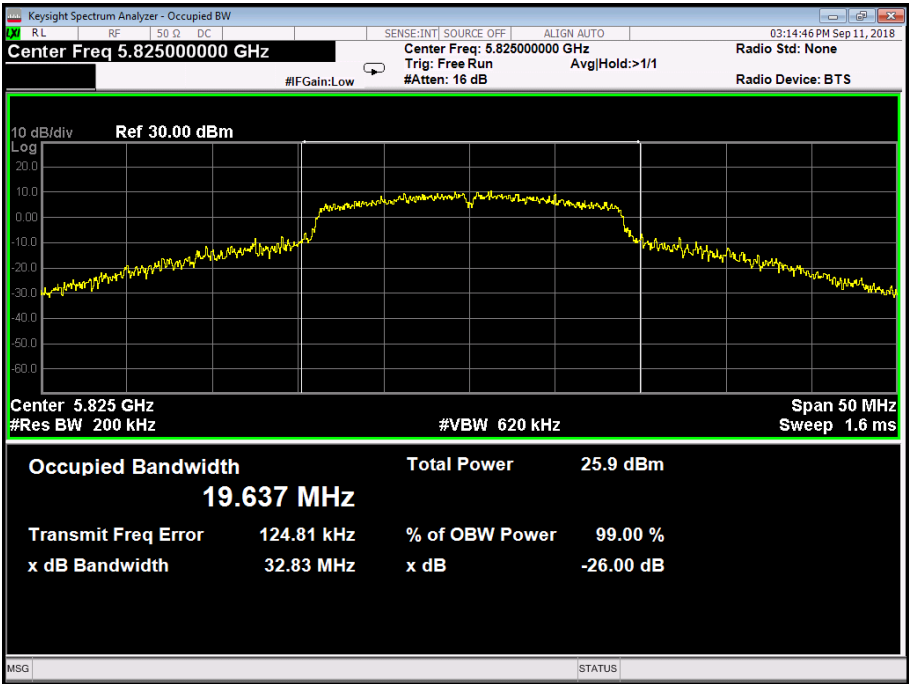


Figure 326 - 5720 MHz - 99% Occupied Bandwidth

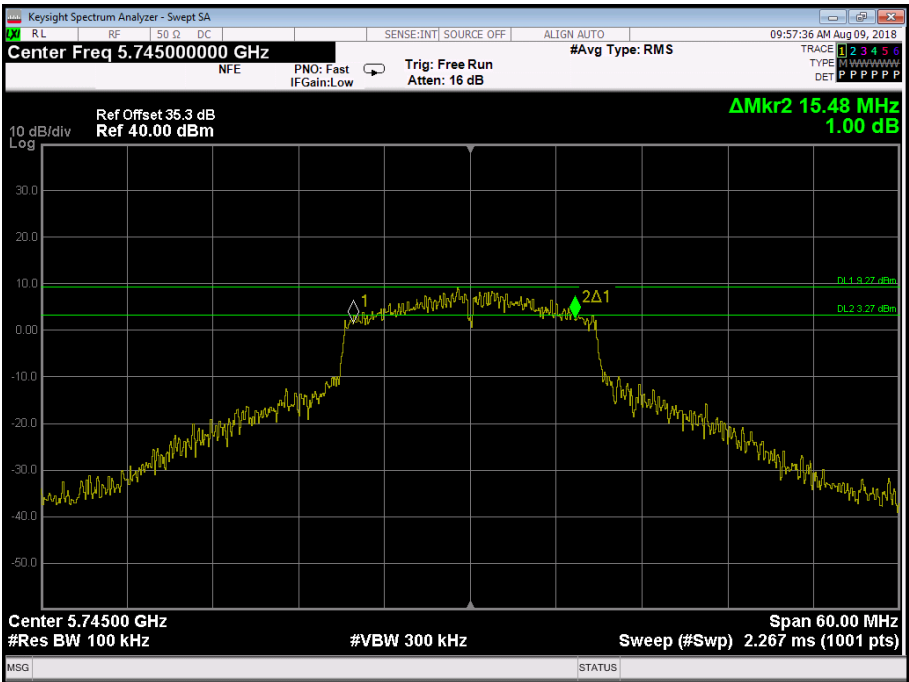


Figure 327 - 5745 MHz - 6 dB DTS Bandwidth



Product Service

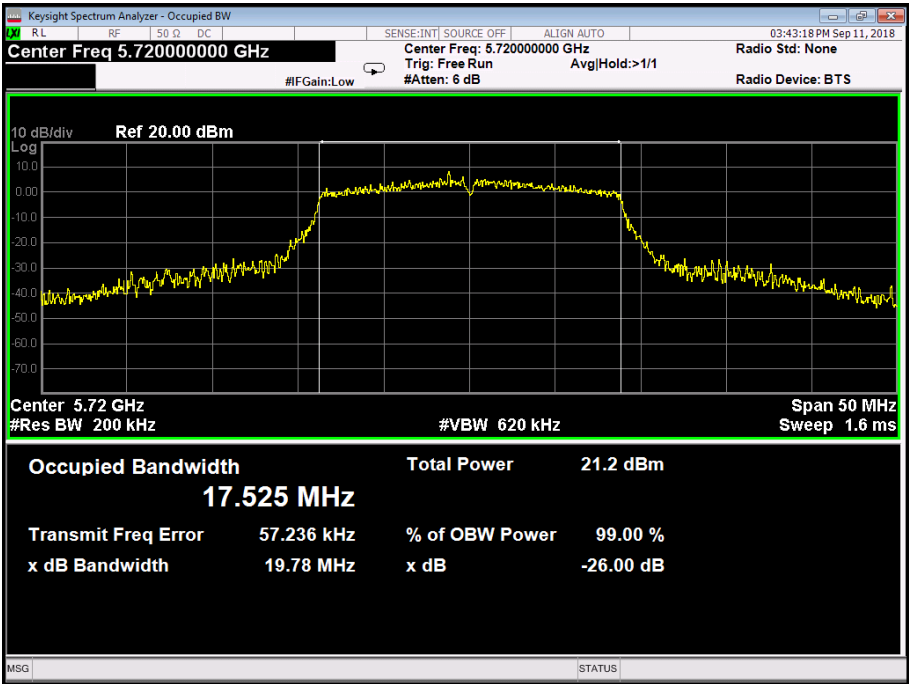


Figure 328 - 5745 MHz - 99% Occupied Bandwidth

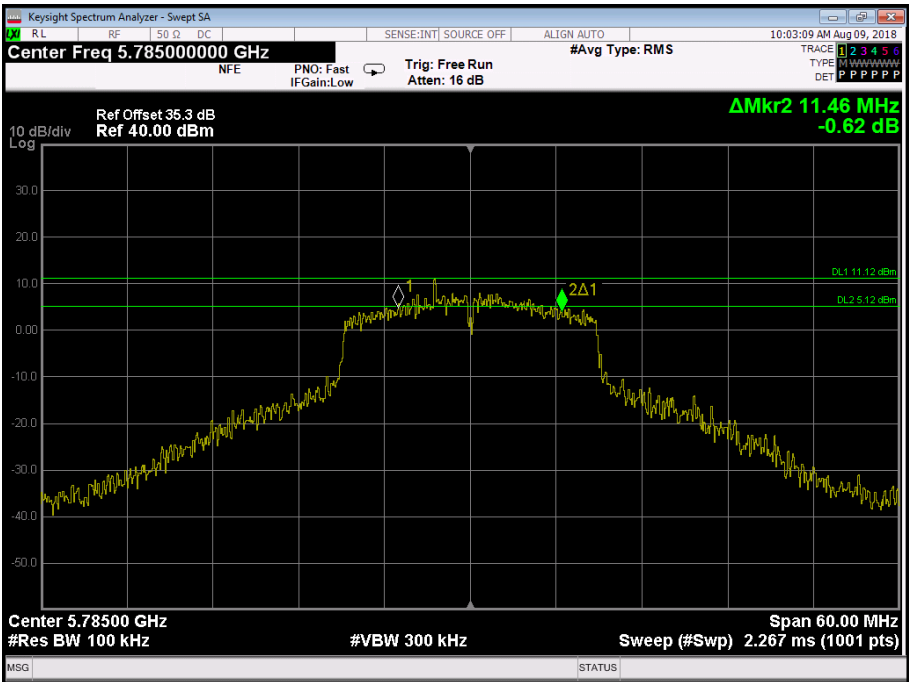


Figure 329 - 5785 MHz - 6 dB DTS Bandwidth



Product Service

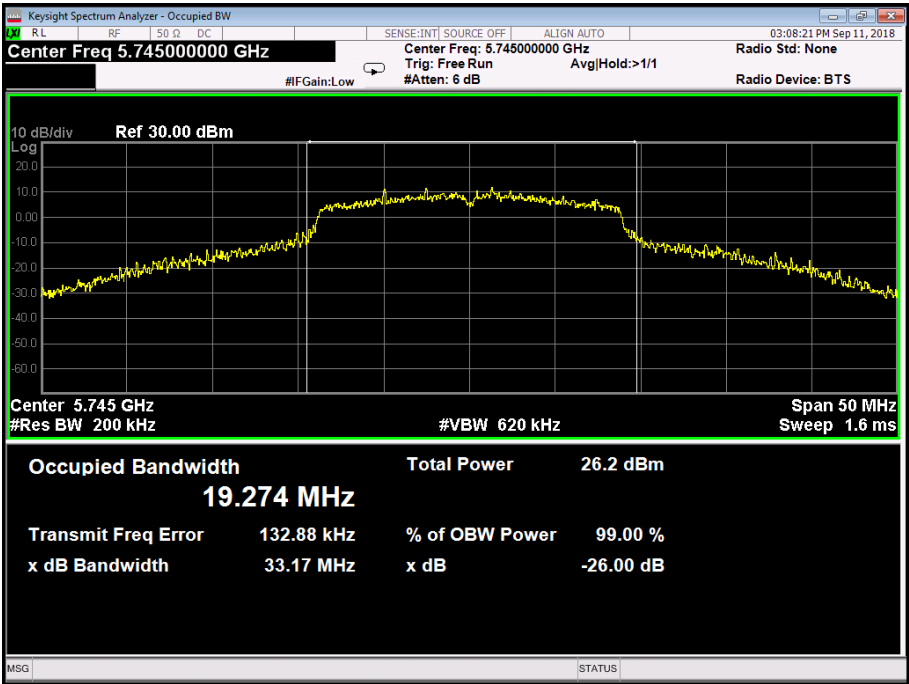


Figure 330 - 5785 MHz - 99% Occupied Bandwidth

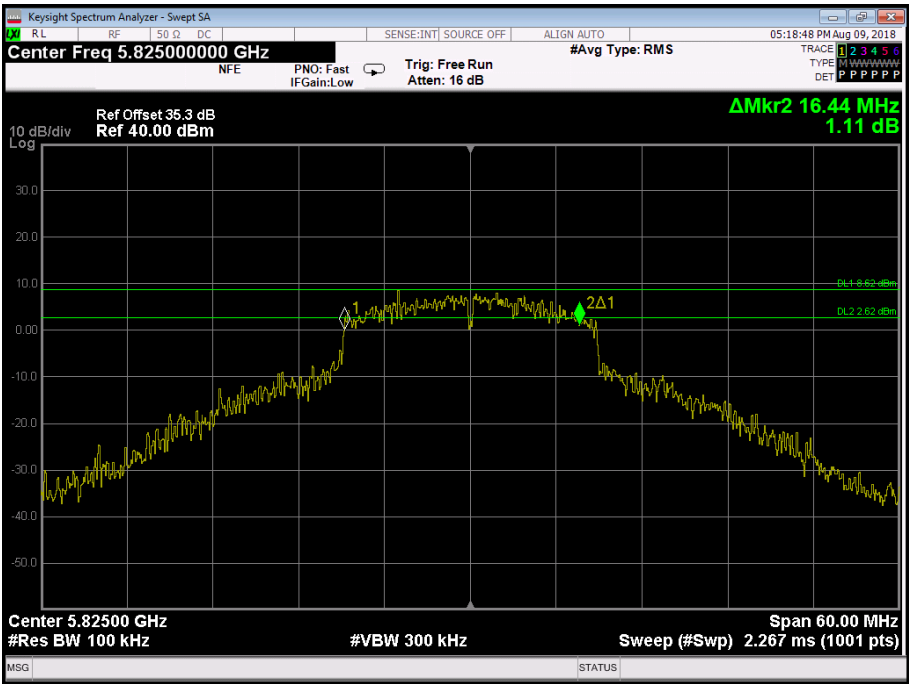


Figure 331 - 5825 MHz - 6 dB DTS Bandwidth

802.11ac / VHT20 MCS0x1 / MIMO TxBF / Cores 0+1+2

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.560	15.420	11.040	16.920
26 dB Bandwidth (MHz)	35.47	20.71	36.02	35.57
99% Bandwidth (MHz)	20.158	17.571	20.312	21.299

Table 352



Figure 332 - 5720 MHz - 6 dB DTS Bandwidth

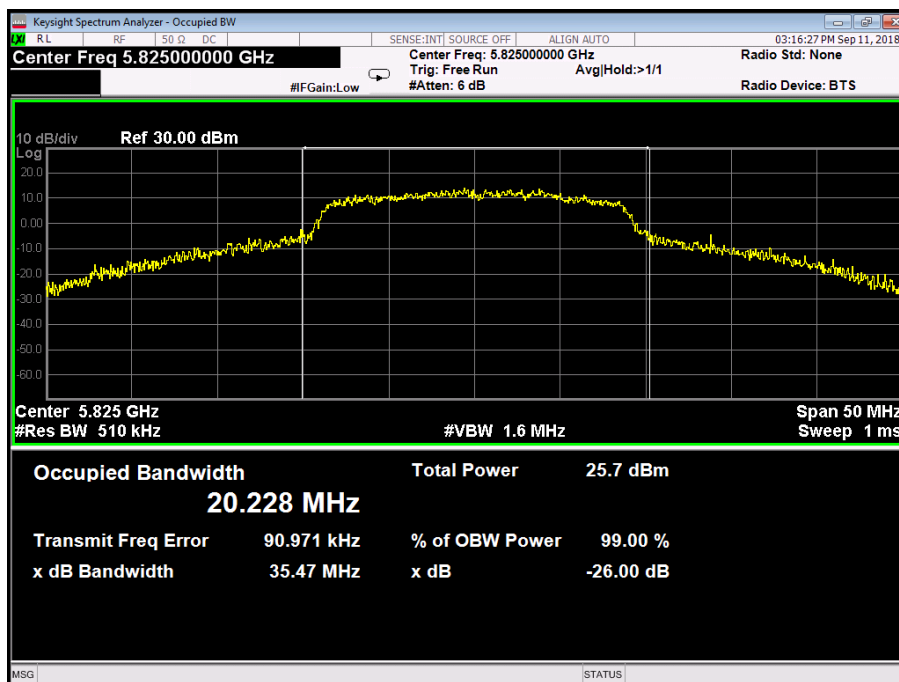


Figure 333 - 5720 MHz - 99% Occupied Bandwidth



Product Service

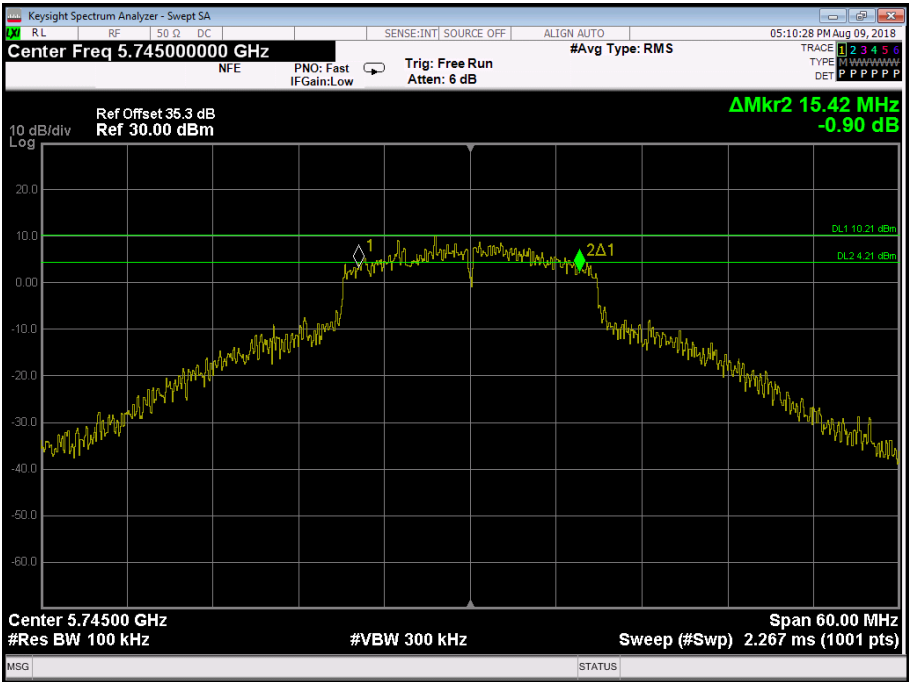


Figure 334 - 5745 MHz - 6 dB DTS Bandwidth

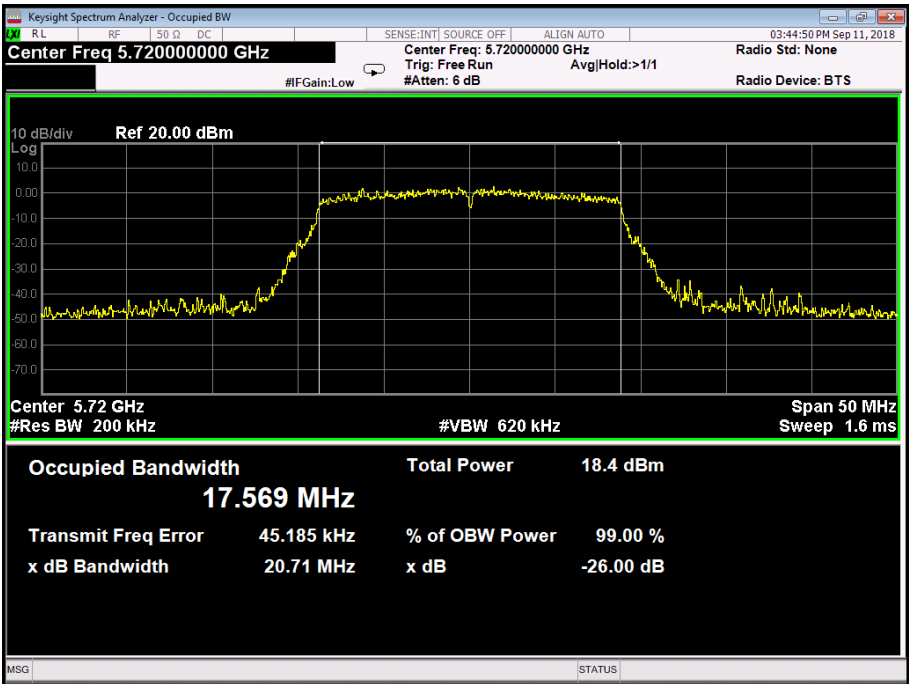


Figure 335 - 5745 MHz - 99% Occupied Bandwidth



Product Service

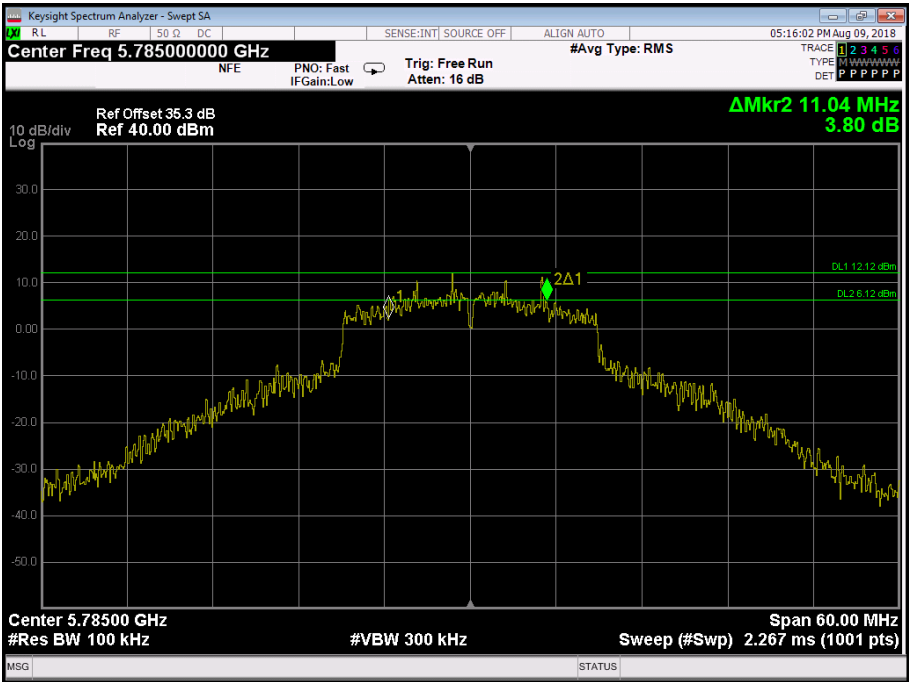


Figure 336 - 5785 MHz - 6 dB DTS Bandwidth

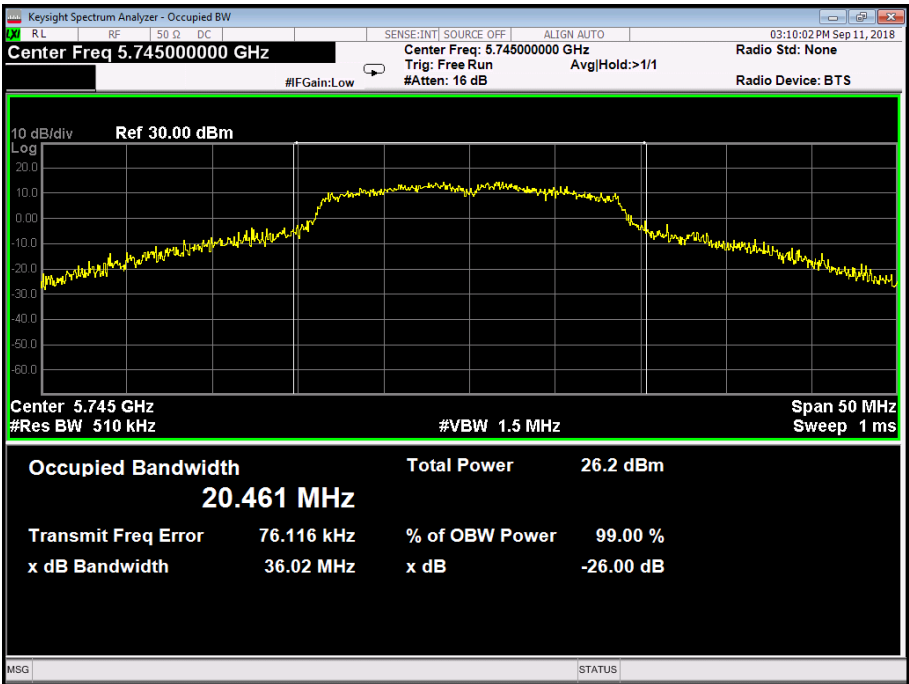


Figure 337 - 5785 MHz - 99% Occupied Bandwidth



Product Service

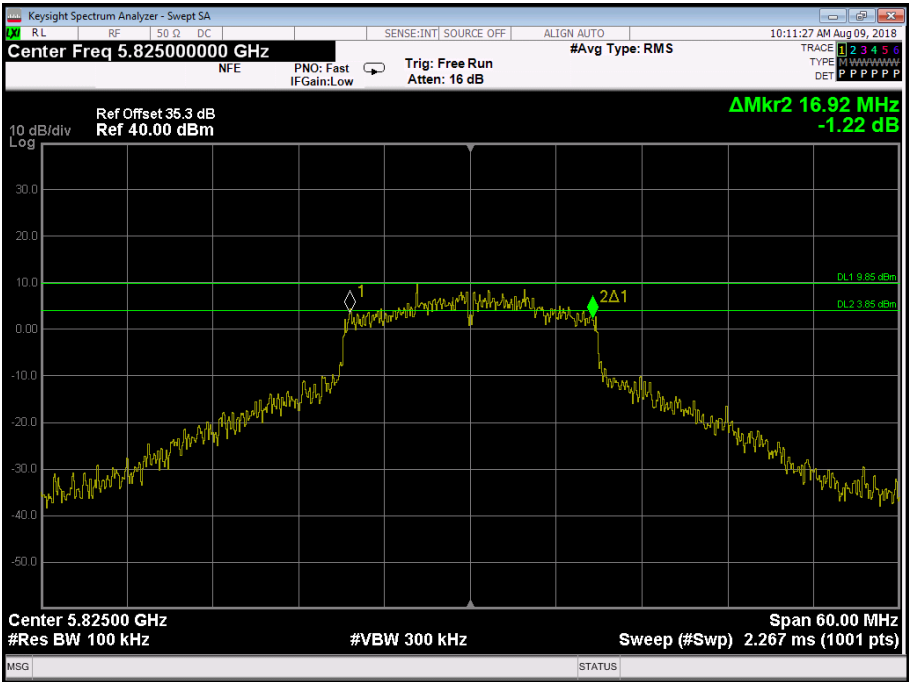


Figure 338 - 5825 MHz - 6 dB DTS Bandwidth

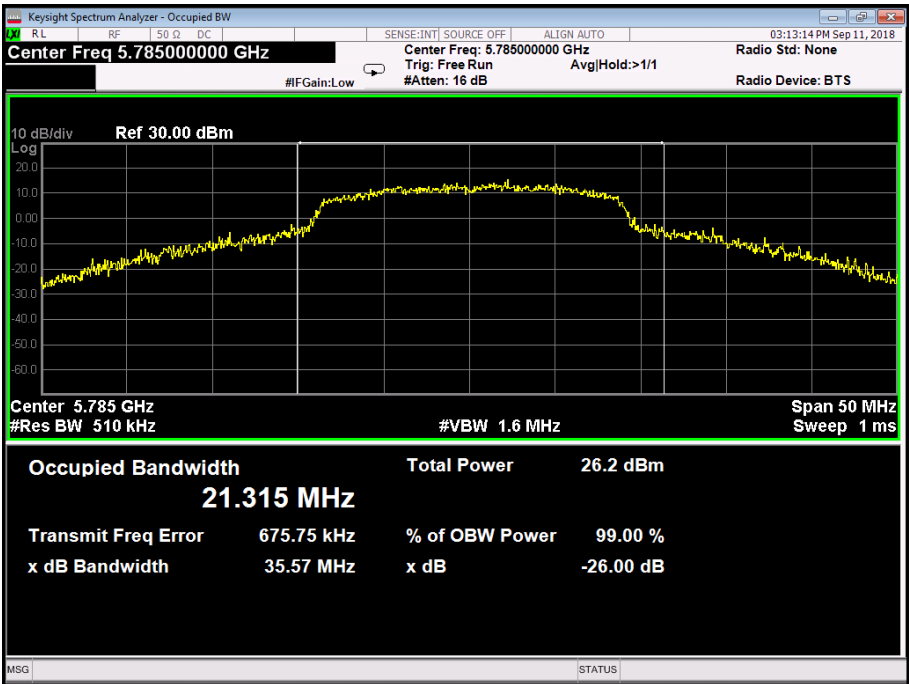


Figure 339 - 5825 MHz - 99% Occupied Bandwidth



802.11ac / VHT40 MCS0x1 / MIMO TxBF / Cores 0+2

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.360	36.600	36.600
26 dB Bandwidth (MHz)	53.19	94.77	90.07
99% Bandwidth (MHz)	36.454	55.433	47.557

Table 353

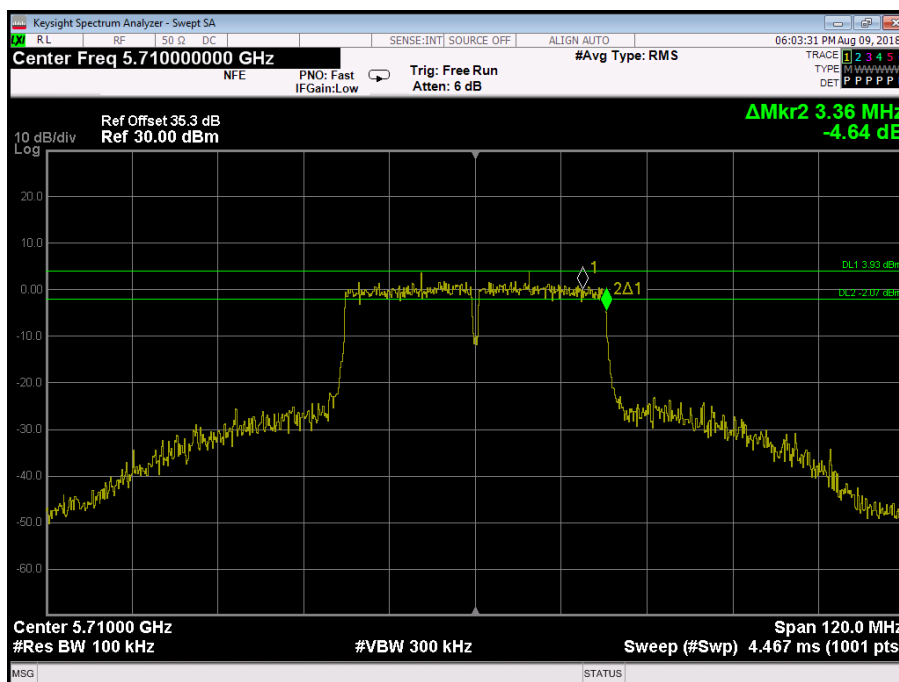


Figure 340 - 5710 MHz - 6 dB DTS Bandwidth

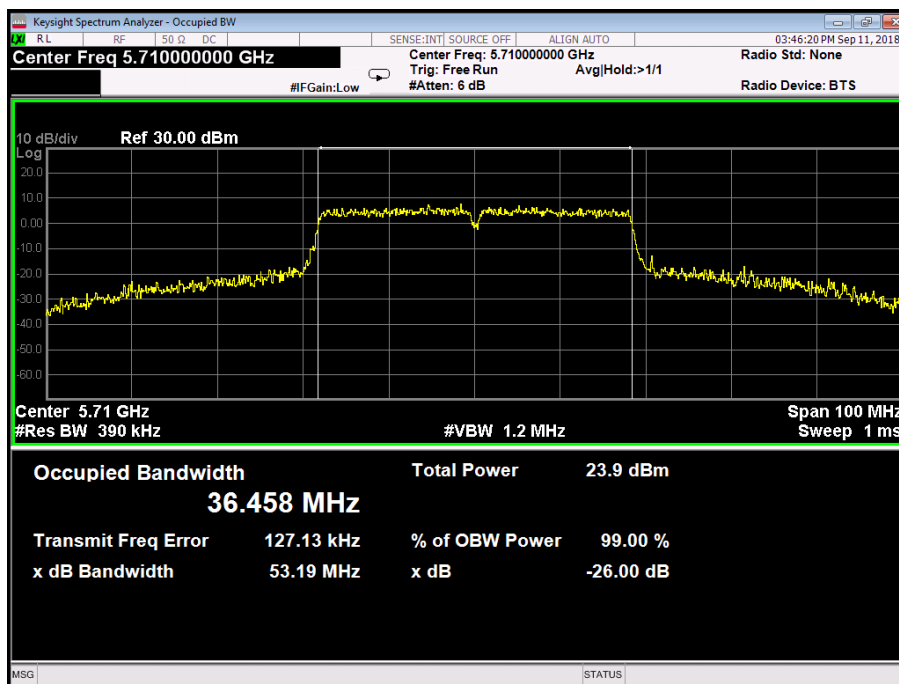


Figure 341 - 5710 MHz - 99% Occupied Bandwidth



Product Service

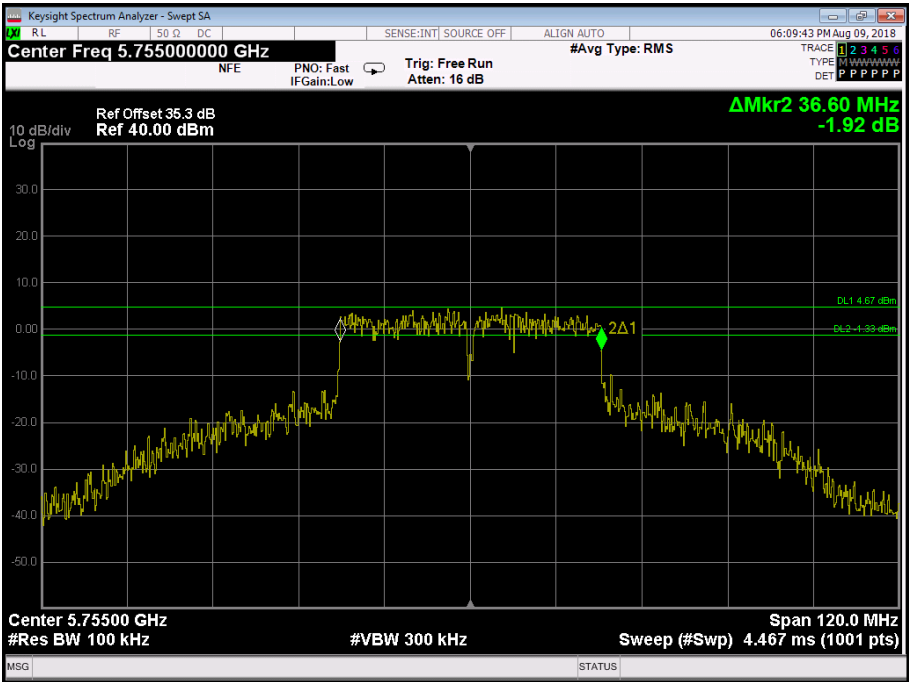


Figure 342 - 5755 MHz - 6 dB DTS Bandwidth

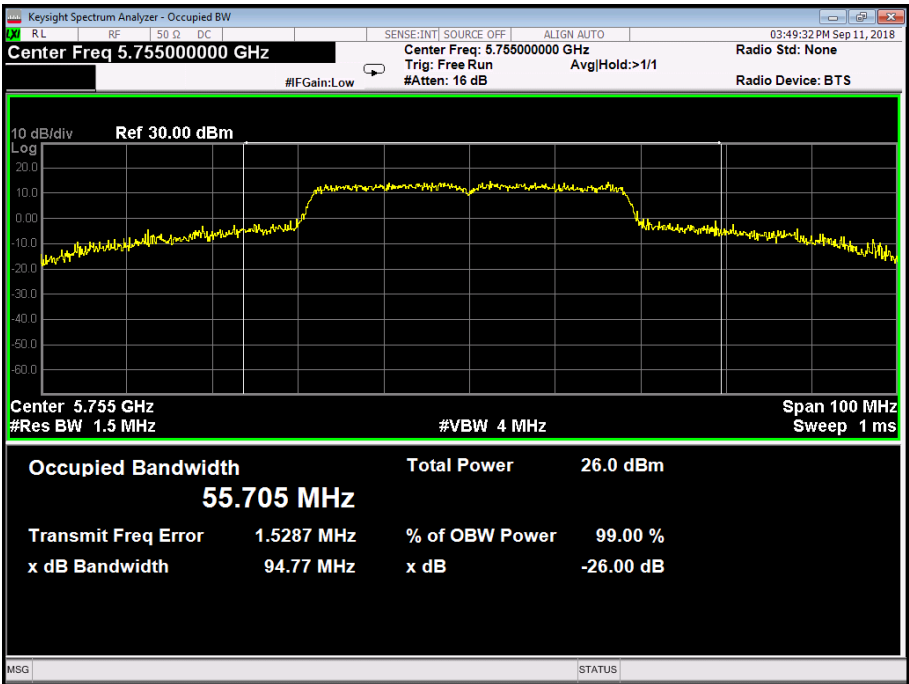


Figure 343 - 5755 MHz - 99% Occupied Bandwidth



Product Service

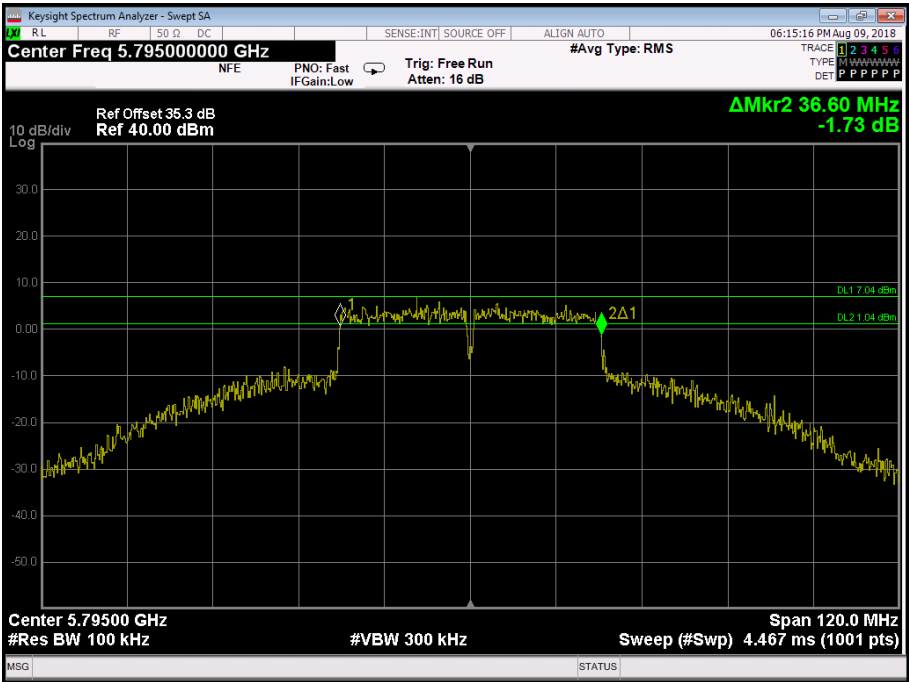


Figure 344 - 5795 MHz - 6 dB DTS Bandwidth
Bandwidth

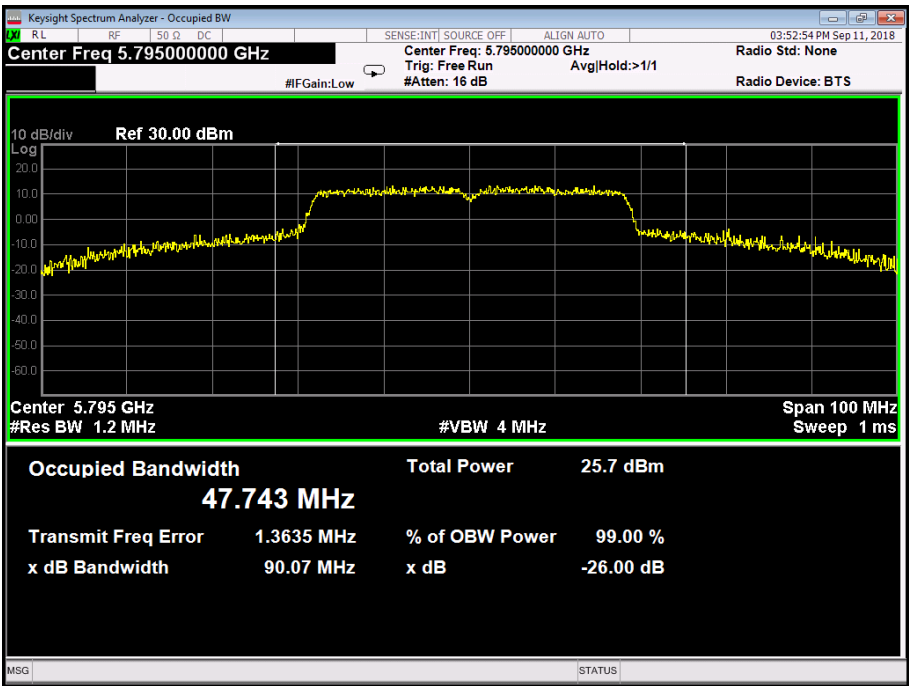


Figure 345 - 5795 MHz - 99% Occupied Bandwidth



802.11ac / VHT40 MCS0x1 / MIMO TxBF / Cores 0+1+2

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.000	36.120	36.240
26 dB Bandwidth (MHz)	39.20	97.93	93.65
99% Bandwidth (MHz)	36.409	62.021	54.580

Table 354

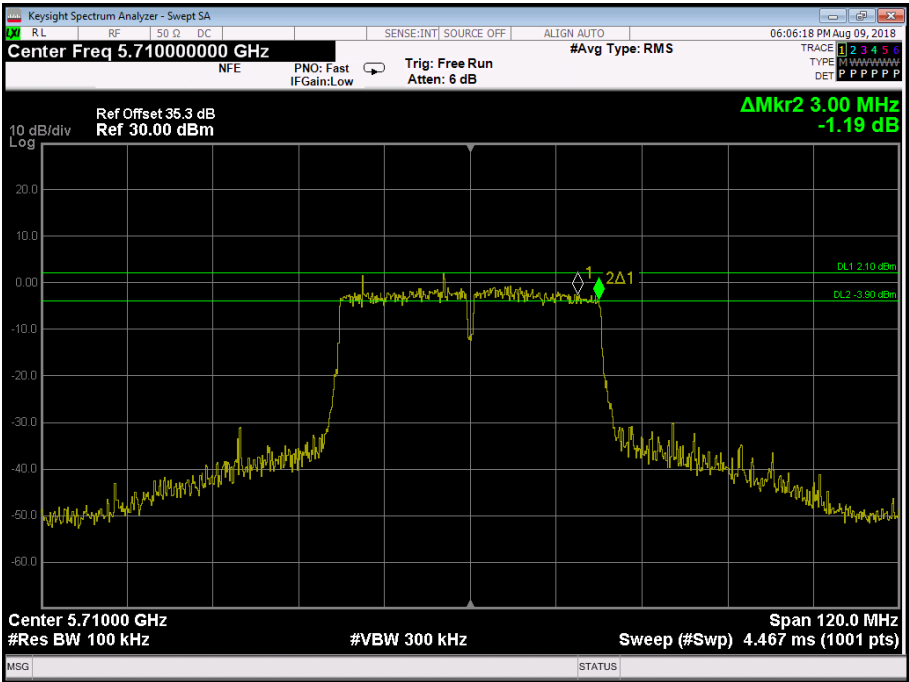


Figure 346 - 5710 MHz - 6 dB DTS Bandwidth

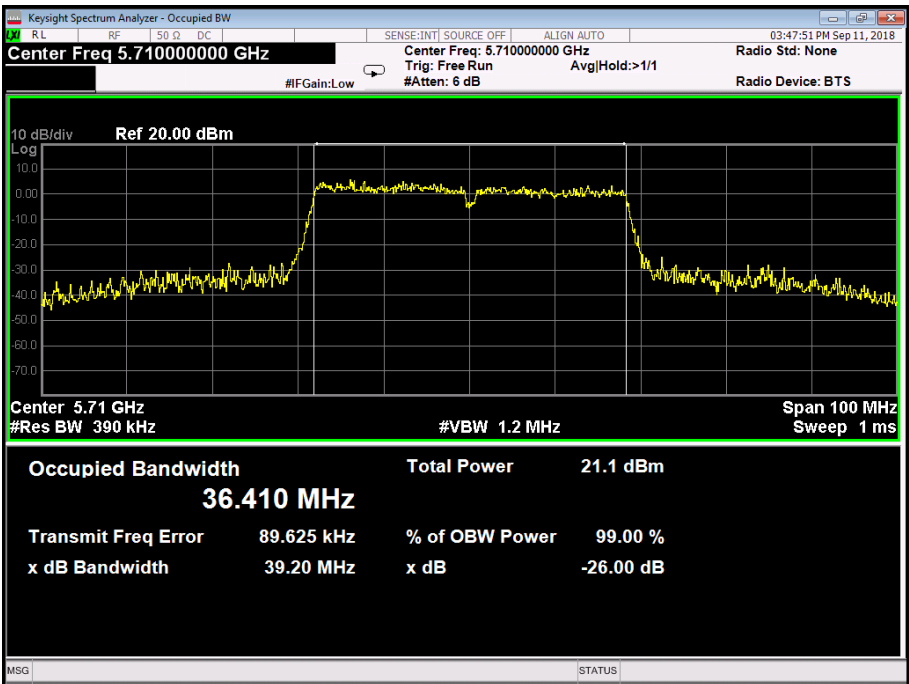


Figure 347 - 5710 MHz - 99% Occupied Bandwidth



Product Service

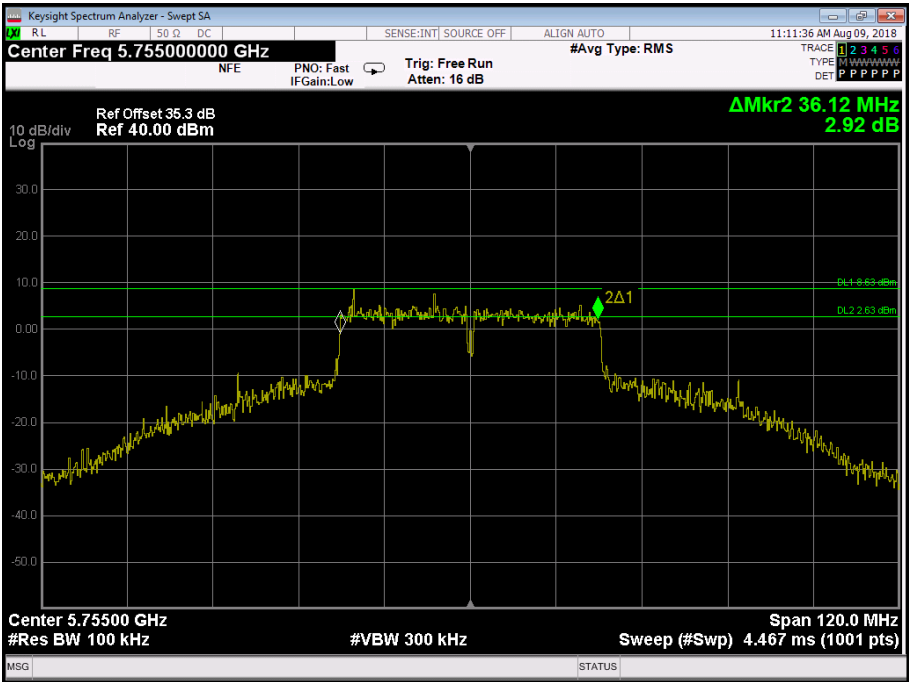


Figure 348 - 5755 MHz - 6 dB DTS Bandwidth

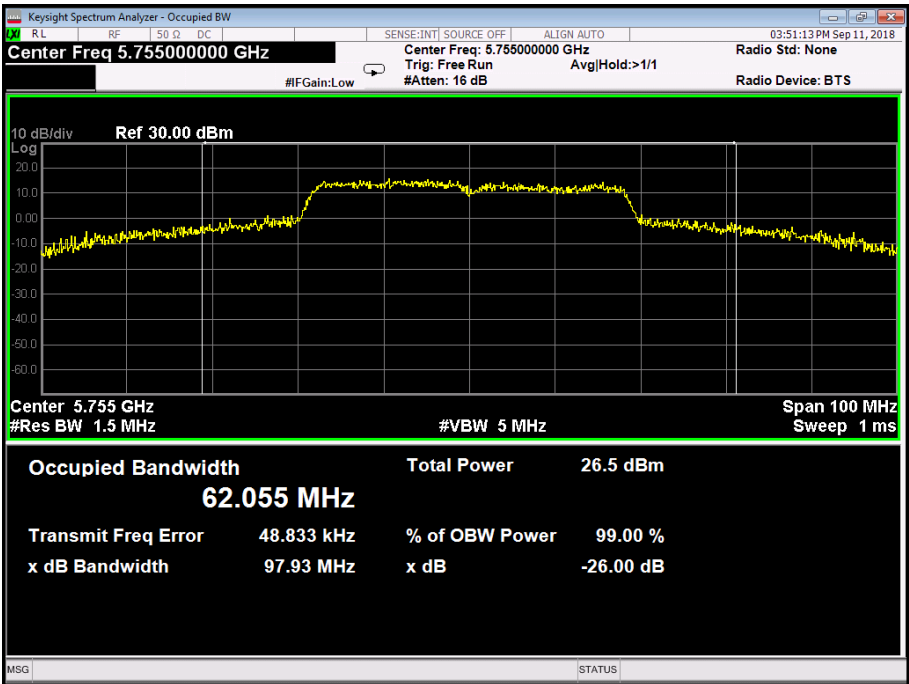


Figure 349 - 5755 MHz - 99% Occupied Bandwidth



Product Service

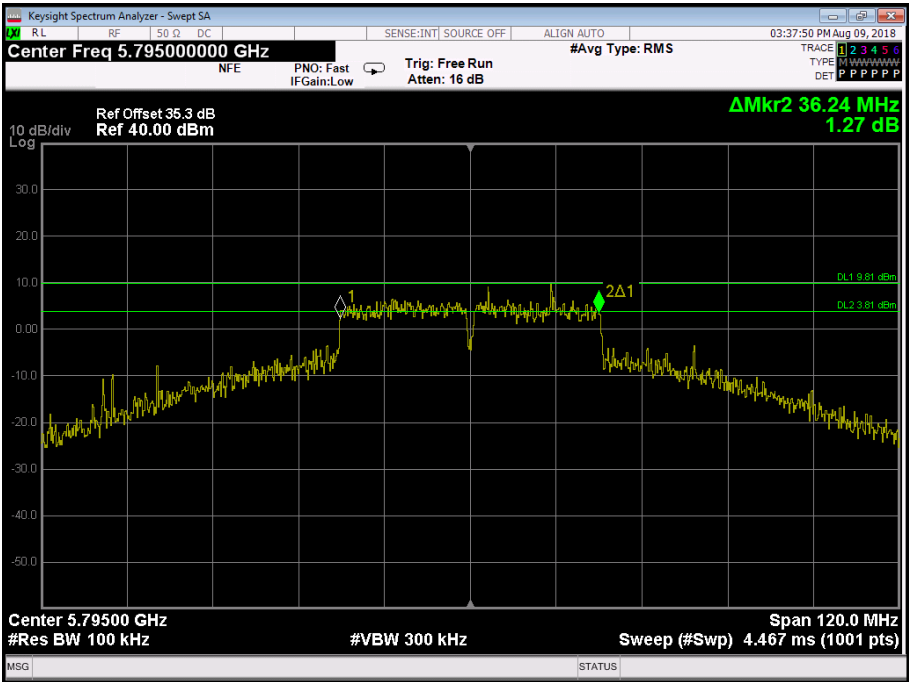


Figure 350 - 5795 MHz - 6 dB DTS Bandwidth

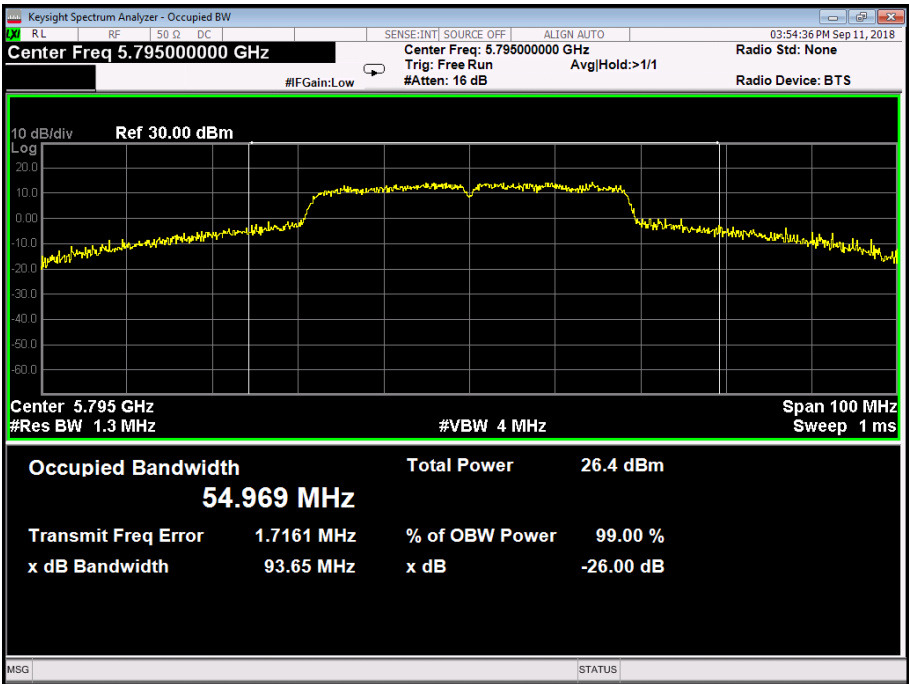


Figure 351 - 5795 MHz - 99% Occupied Bandwidth



802.11ac / VHT80 MCS0x1 / SISO / Core 2

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	2.920	75.600
26 dB Bandwidth (MHz)	153.4	128.0
99% Bandwidth (MHz)	76.683	76.038

Table 355

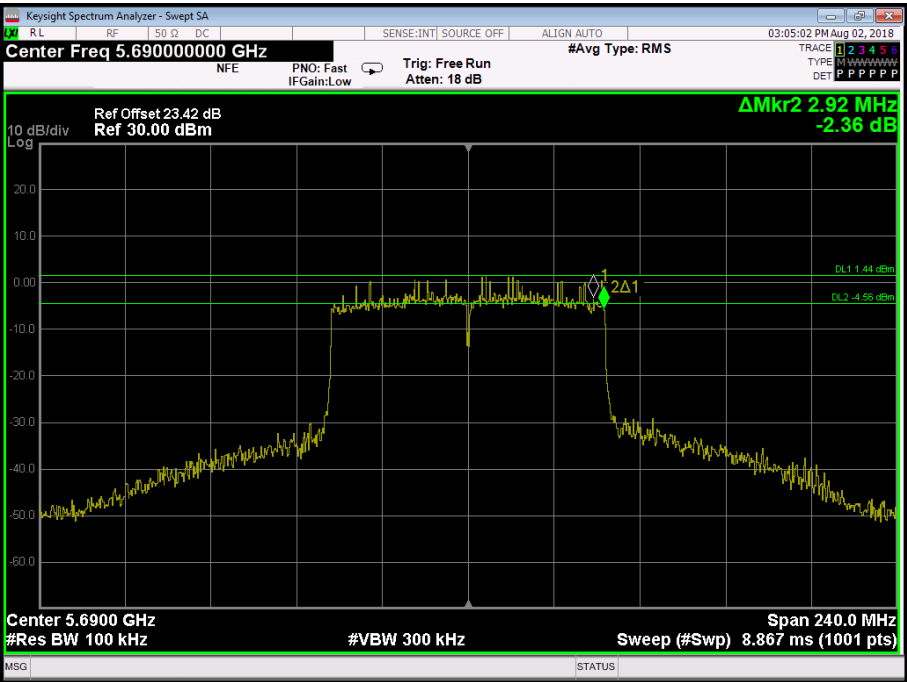


Figure 352 - 5690 MHz - 6 dB DTS Bandwidth

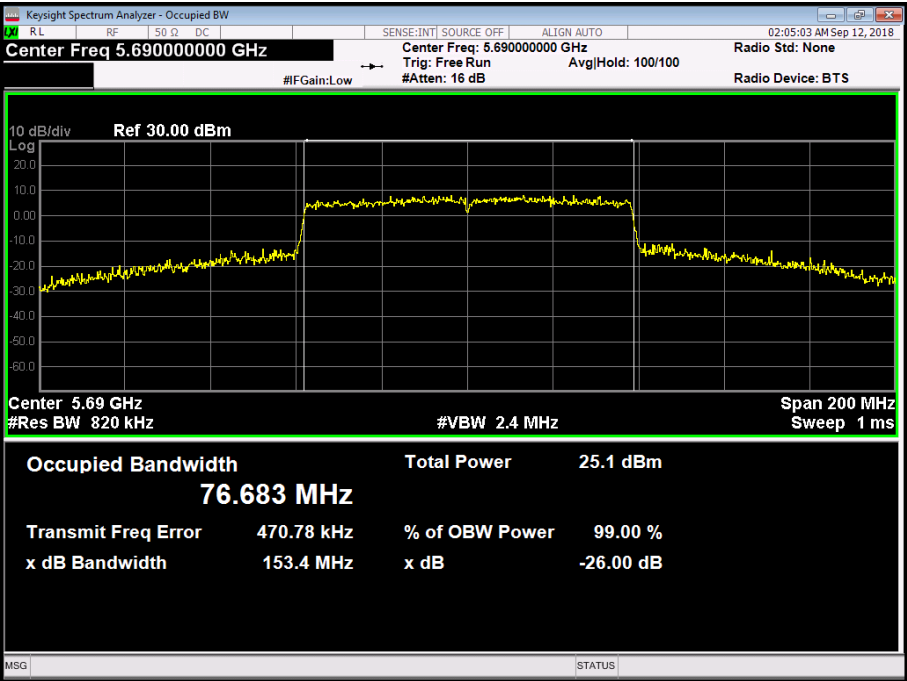


Figure 353 - 5690 MHz - 99% Occupied Bandwidth



Product Service

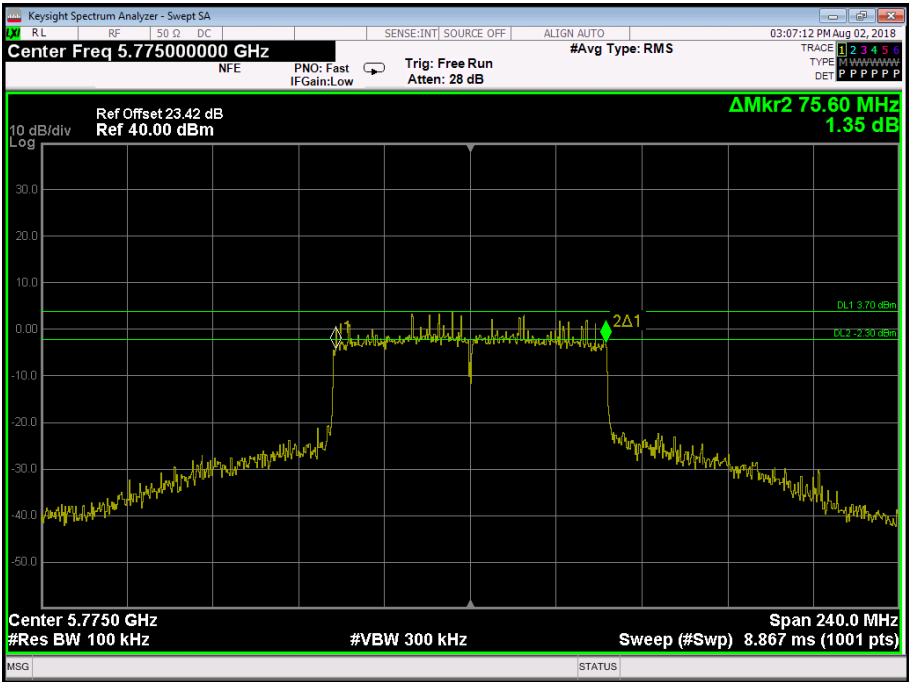


Figure 354 - 5775 MHz - 6 dB DTS Bandwidth

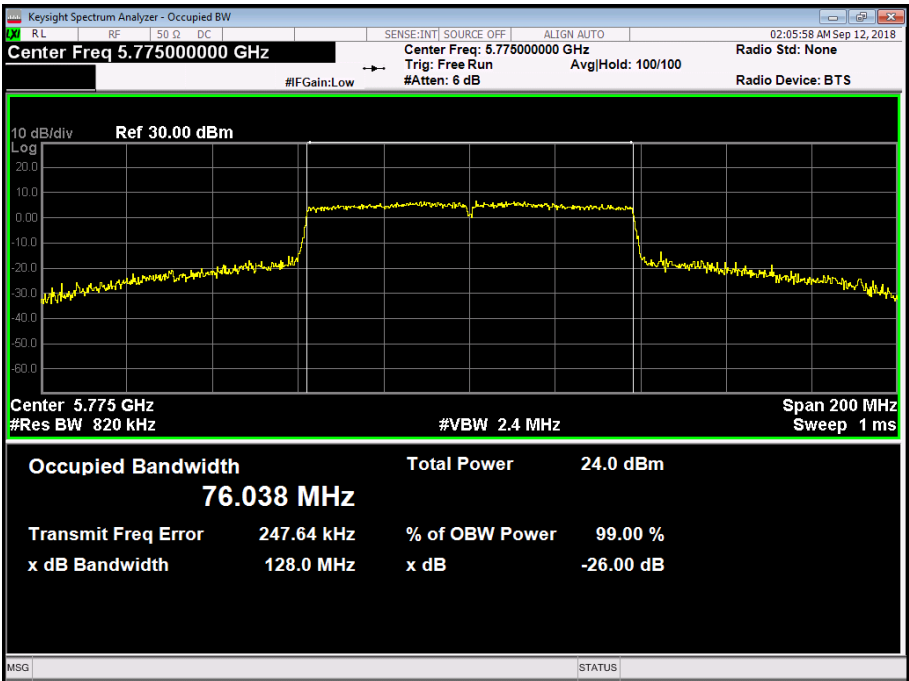


Figure 355 - 5775 MHz - 99% Occupied Bandwidth



802.11ac / VHT80 MCS0x1 / MIMO CDD / Cores 0+2

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	2.920	75.360
26 dB Bandwidth (MHz)	103.5	106.8
99% Bandwidth (MHz)	76.017	76.139

Table 356

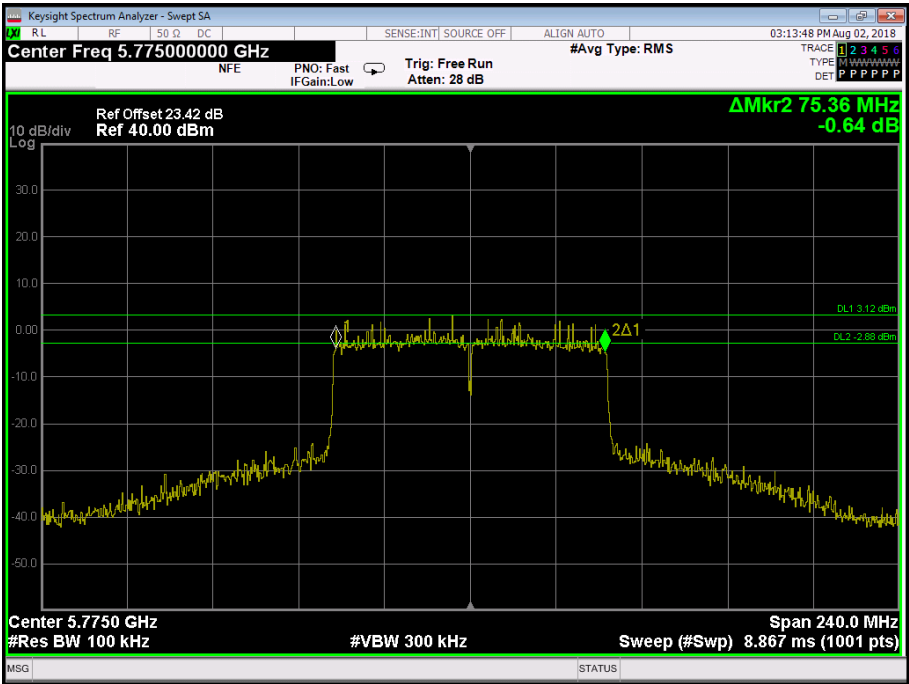


Figure 356 - 5775 MHz - 6 dB DTS Bandwidth

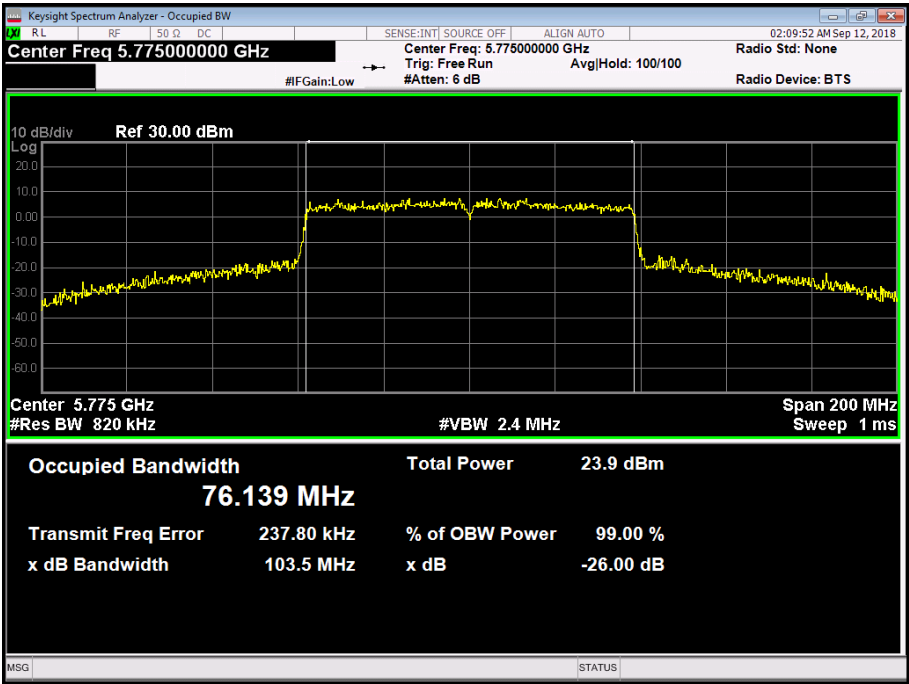


Figure 357 - 5775 MHz - 99% Occupied Bandwidth



Product Service

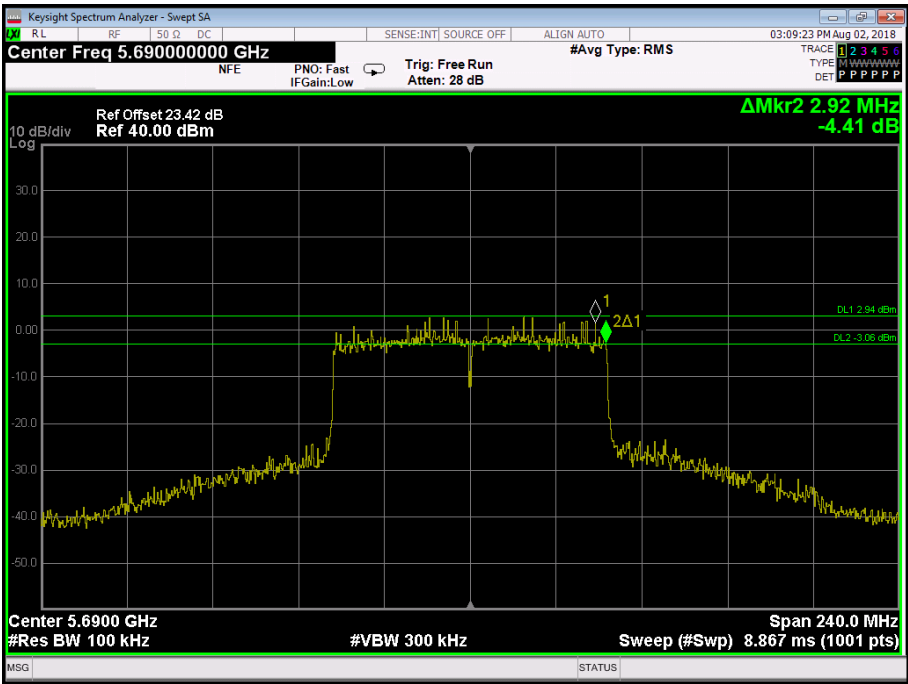


Figure 358 - 5690 MHz - 6 dB DTS Bandwidth

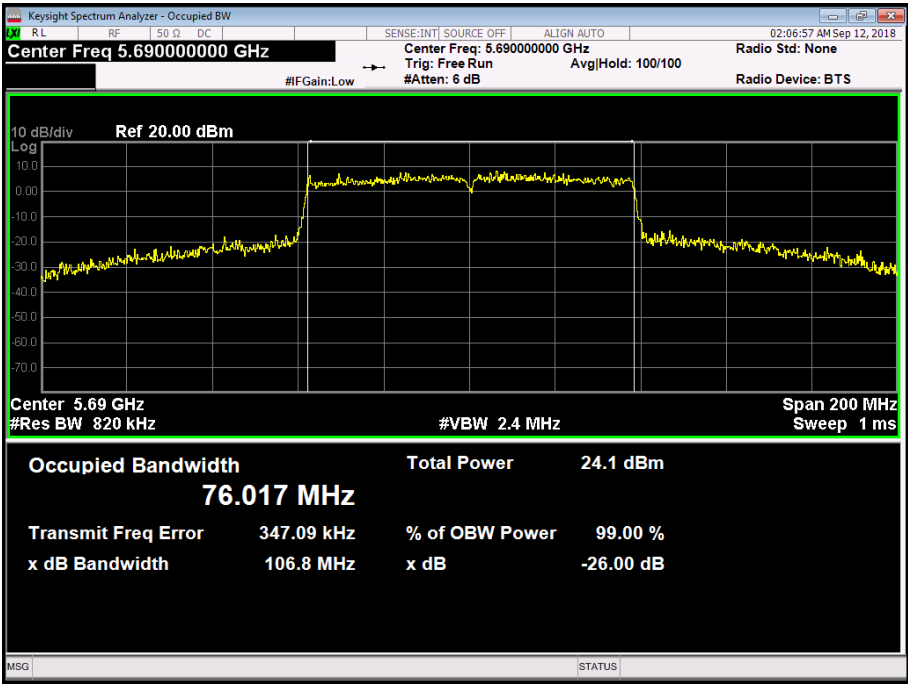


Figure 359 - 5690 MHz - 99% Occupied Bandwidth



Product Service

802.11ac / VHT80 MCS0x2 / MIMO SDM / Cores 0+2

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	0.280	75.120
26 dB Bandwidth (MHz)	105.9	112.3
99% Bandwidth (MHz)	76.072	75.944

Table 357

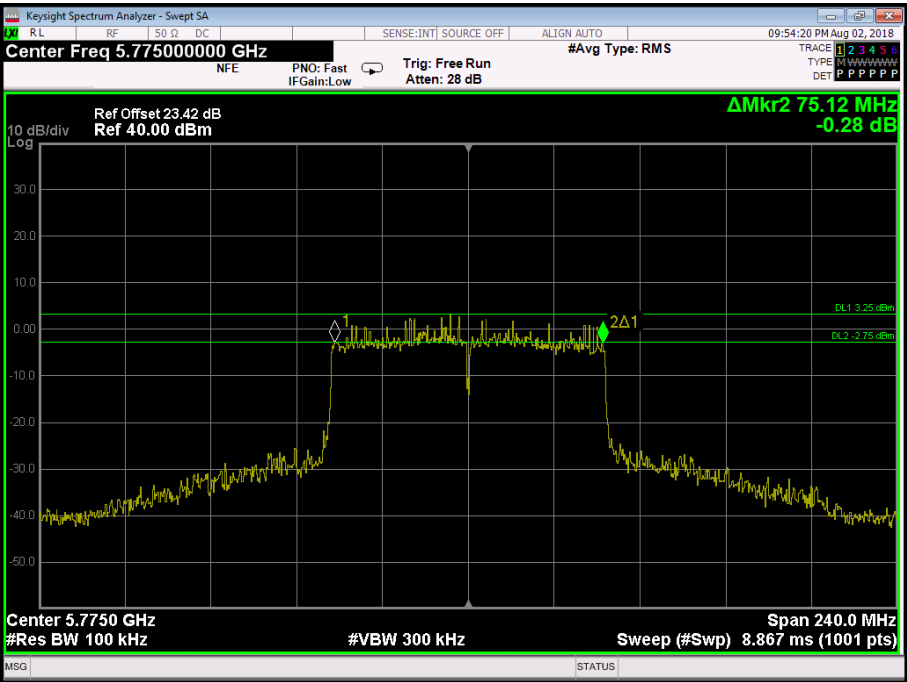


Figure 360 - 5775 MHz - 6 dB DTS Bandwidth

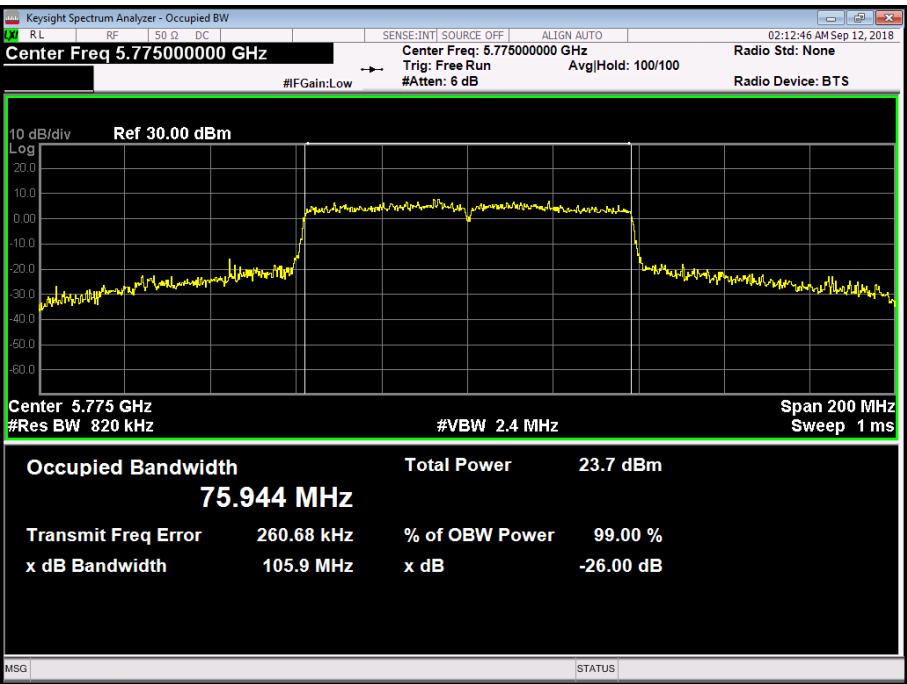


Figure 361 - 5775 MHz - 99% Occupied Bandwidth



Product Service

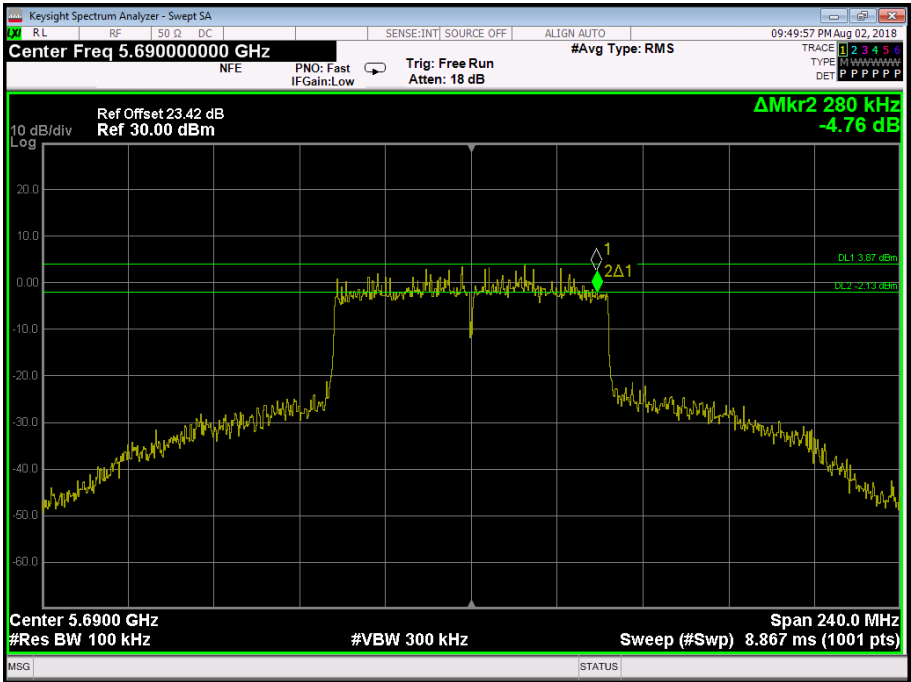


Figure 362 - 5690 MHz - 6 dB DTS Bandwidth

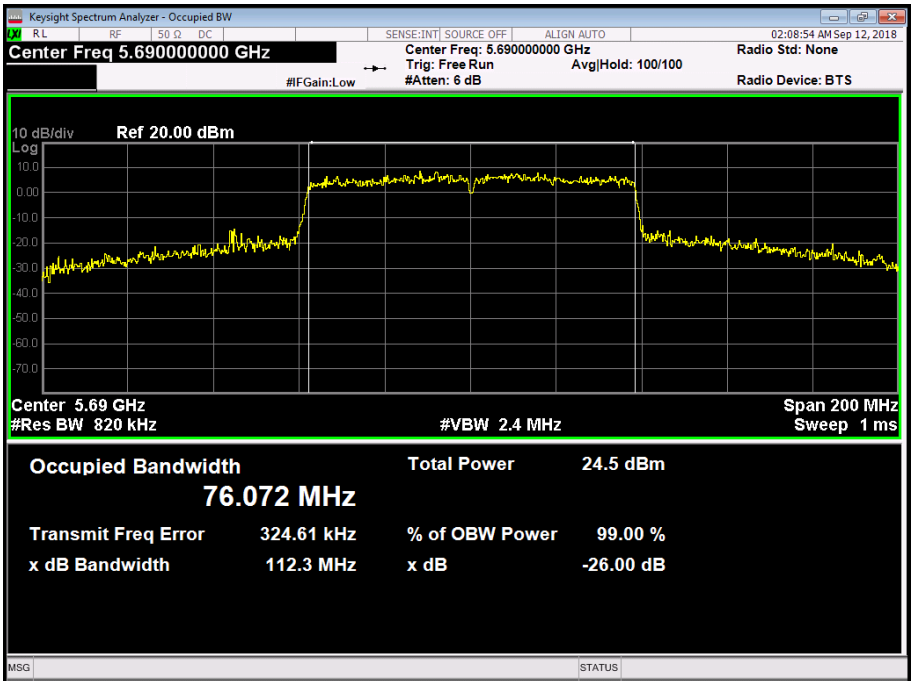


Figure 363 - 5690 MHz - 99% Occupied Bandwidth



802.11ac / VHT80 MCS0x1 / MIMO CDD / Cores 0+1+2

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	2.920	74.400
26 dB Bandwidth (MHz)	87.59	80.24
99% Bandwidth (MHz)	75.821	75.972

Table 358

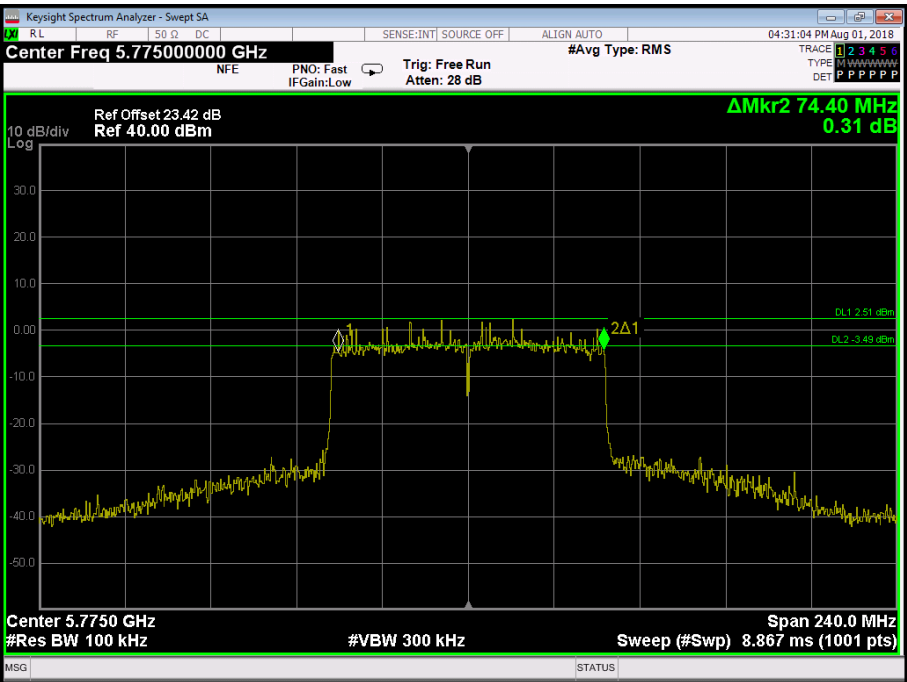


Figure 364 - 5775 MHz - 6 dB DTS Bandwidth

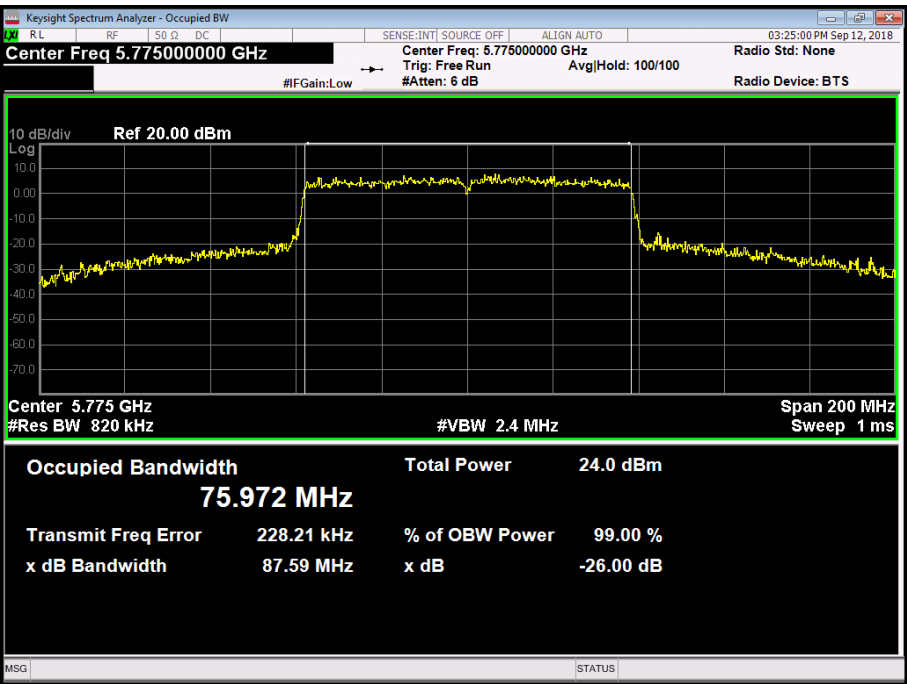


Figure 365 - 5775 MHz - 99% Occupied Bandwidth

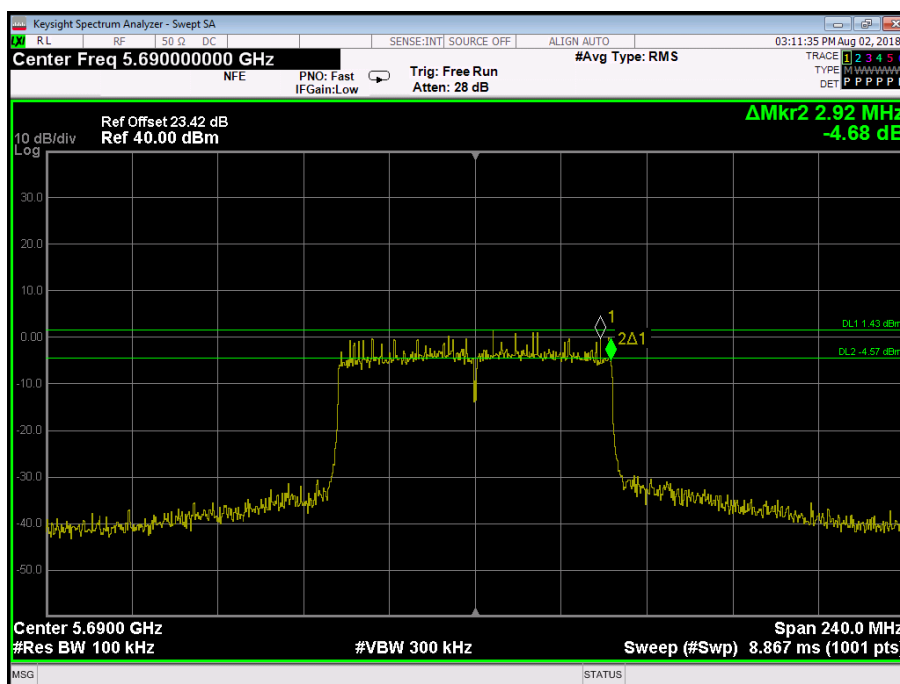


Figure 366 - 5690 MHz - 6 dB DTS Bandwidth

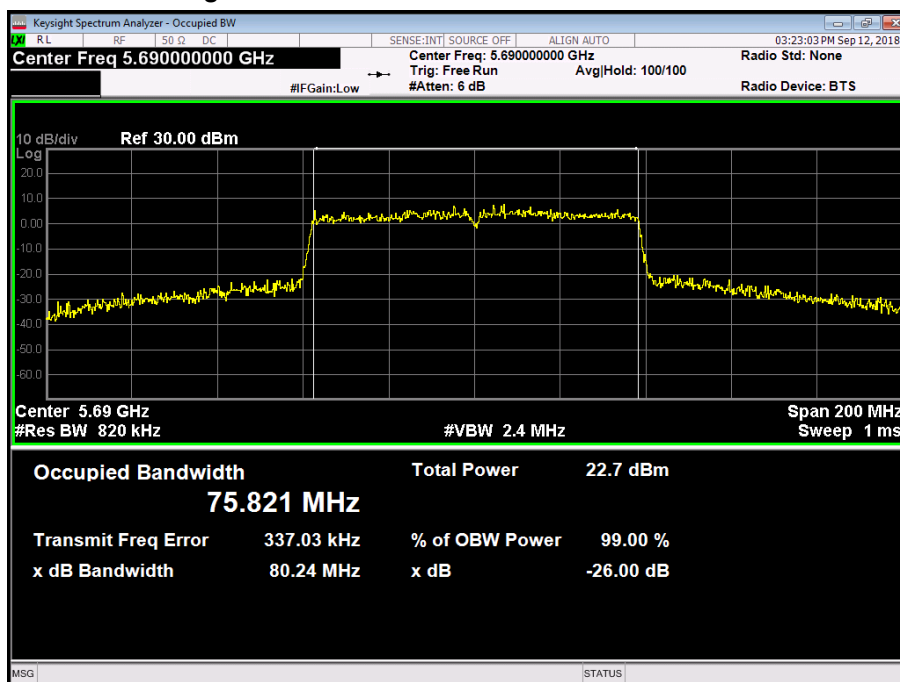


Figure 367 - 5690 MHz - 99% Occupied Bandwidth



Product Service

802.11ac / VHT80 MCS0x3 / MIMO SDM / Cores 0+1+2

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	2.920	74.640
26 dB Bandwidth (MHz)	114.5	80.11
99% Bandwidth (MHz)	75.766	75.978

Table 359

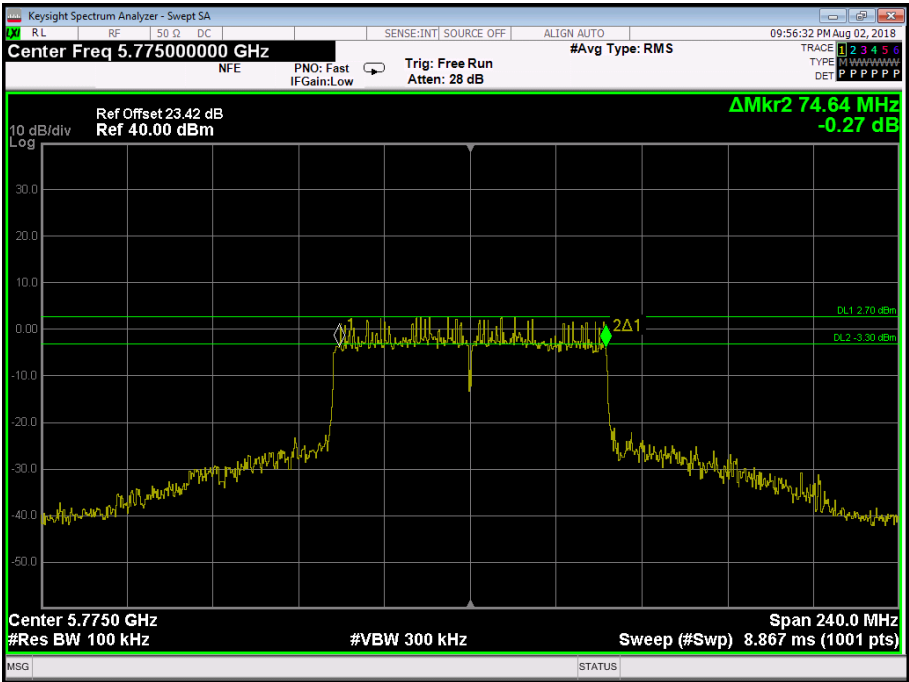


Figure 368 - 5775 MHz - 6 dB DTS Bandwidth

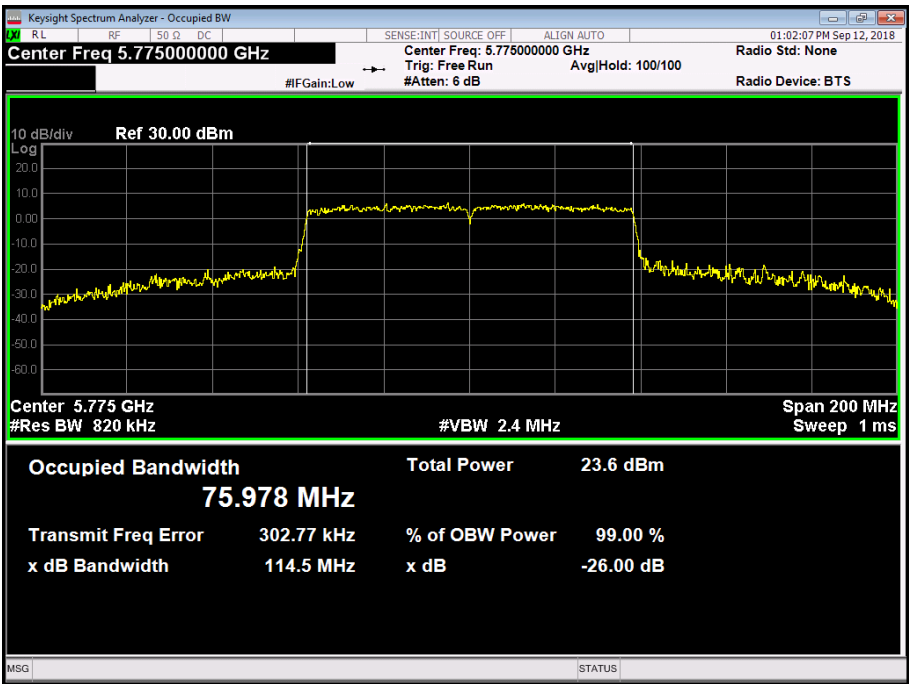


Figure 369 - 5775 MHz - 99% Occupied Bandwidth



Product Service

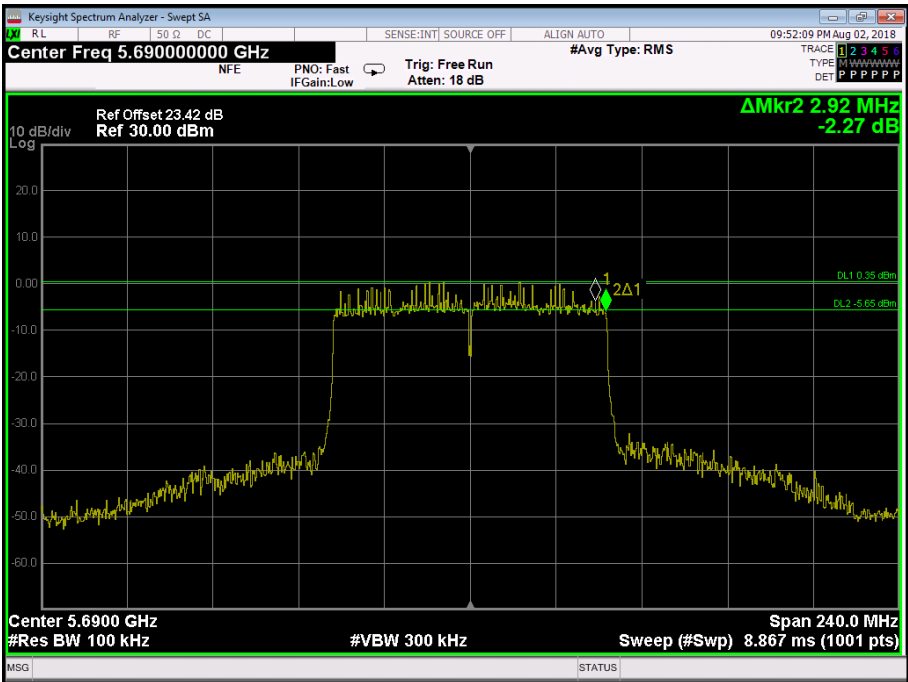


Figure 370 - 5690 MHz - 6 dB DTS Bandwidth

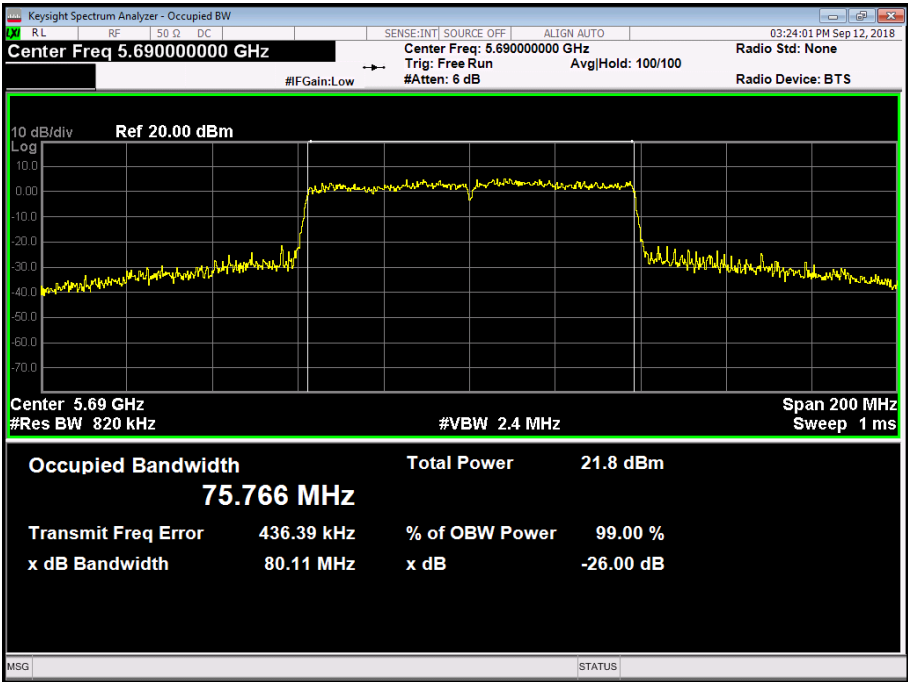


Figure 371 - 5690 MHz - 99% Occupied Bandwidth



802.11a / 6 Mbps / SISO / Core Aux

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.280	16.620	16.440	16.440
26 dB Bandwidth (MHz)	25.64	39.97	41.33	43.72
99% Bandwidth (MHz)	17.007	21.522	23.652	26.730

Table 360

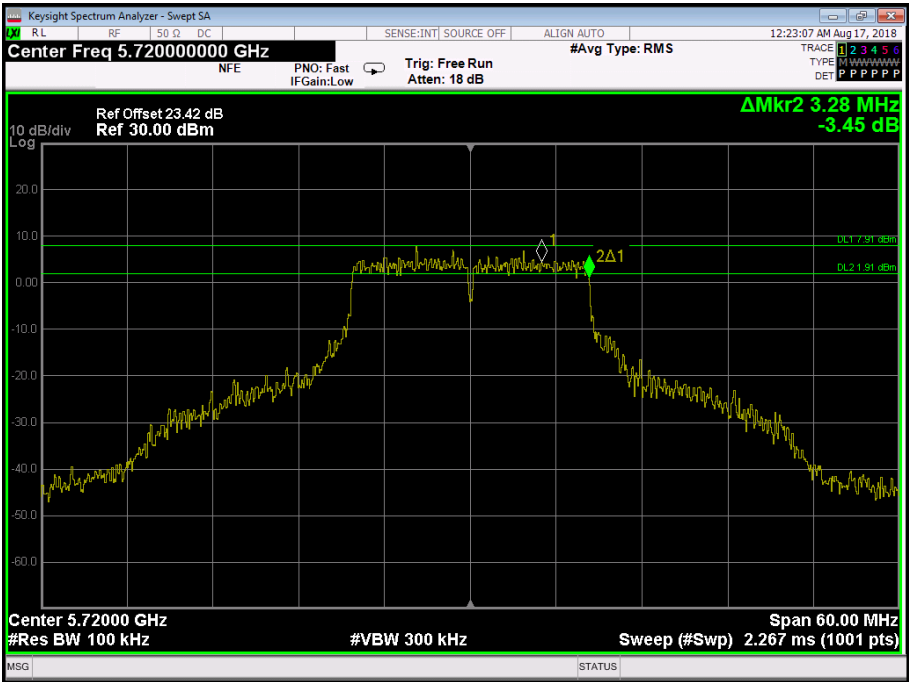


Figure 372 - 5720 MHz - 6 dB DTS Bandwidth

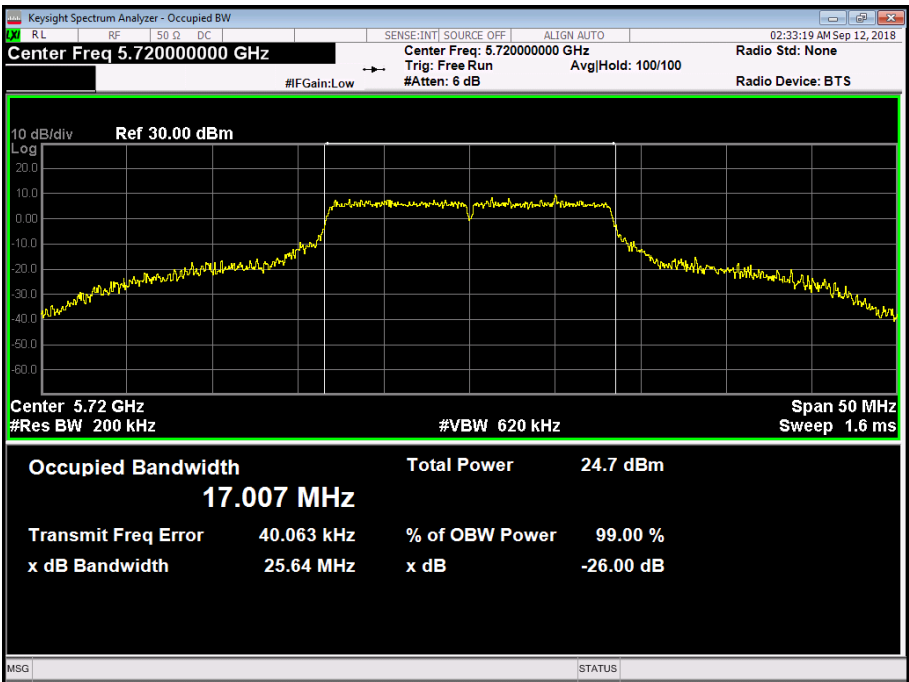


Figure 373 - 5720 MHz - 99% Occupied Bandwidth



Product Service

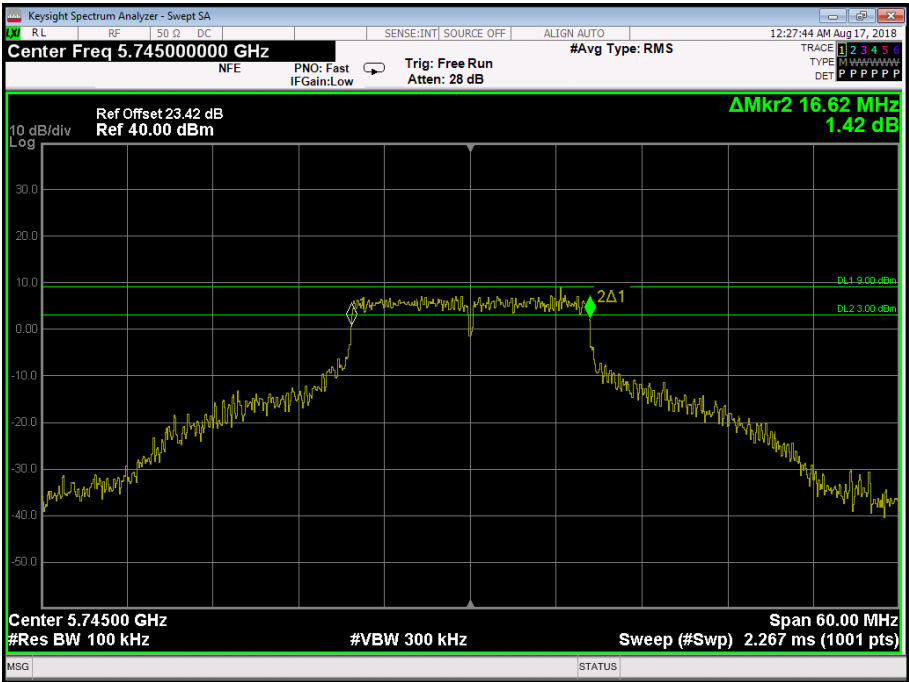


Figure 374 - 5745 MHz - 6 dB DTS Bandwidth

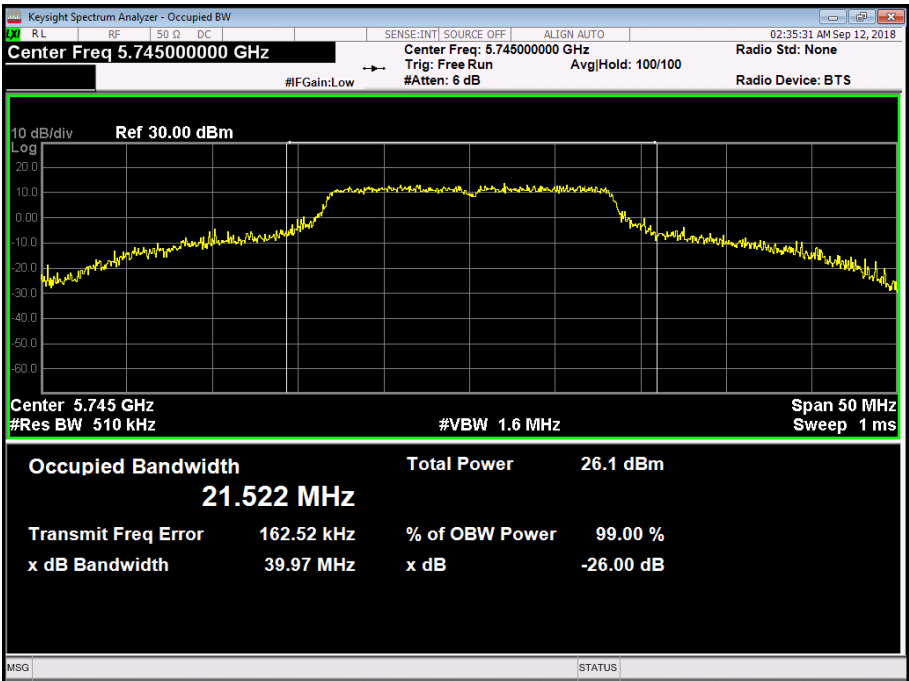


Figure 375 - 5745 MHz - 99% Occupied Bandwidth



Product Service

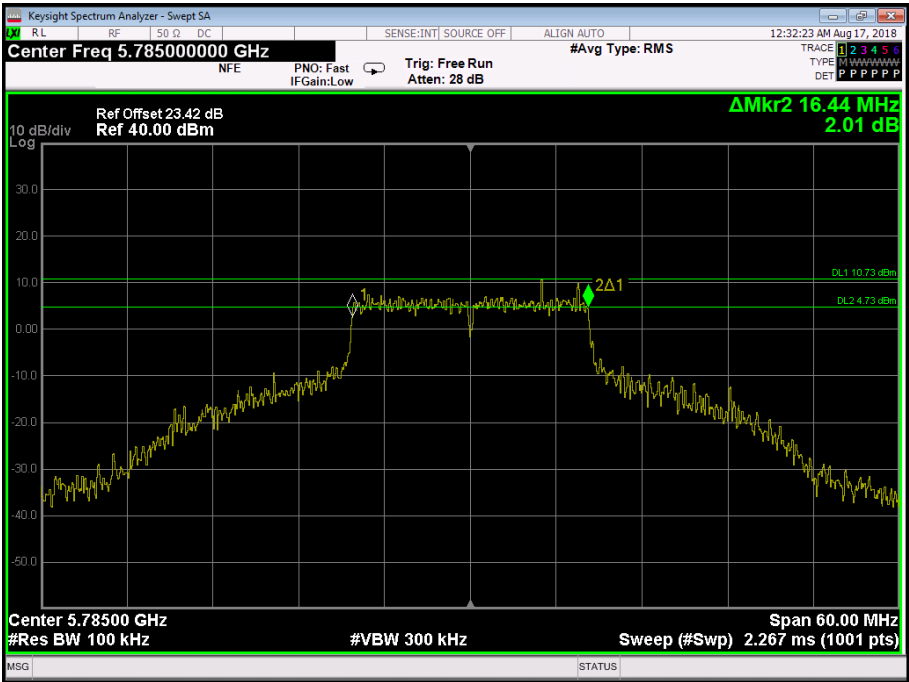


Figure 376 - 5785 MHz - 6 dB DTS Bandwidth

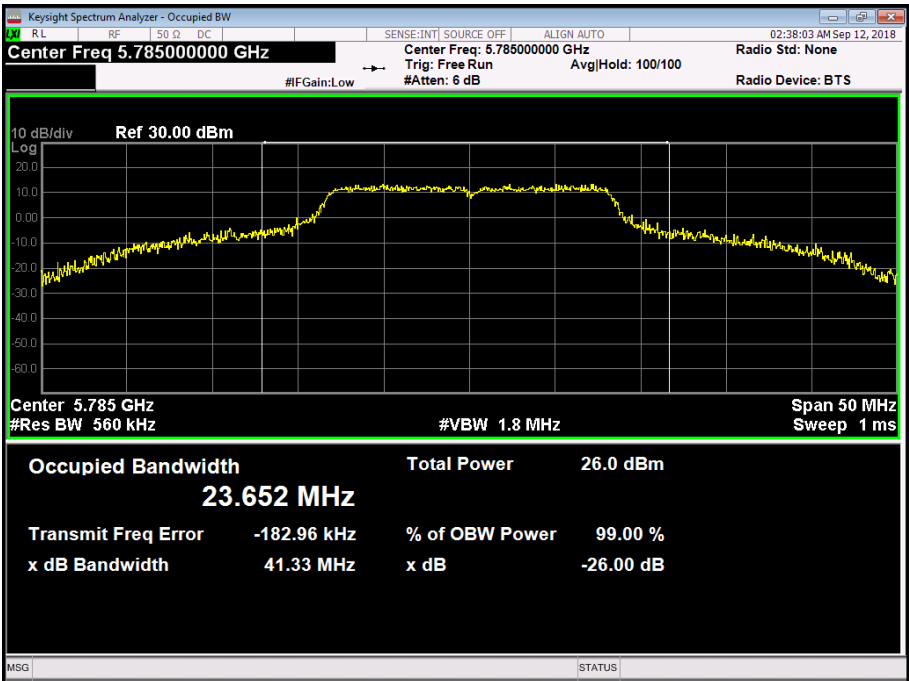


Figure 377 - 5785 MHz - 99% Occupied Bandwidth



Product Service

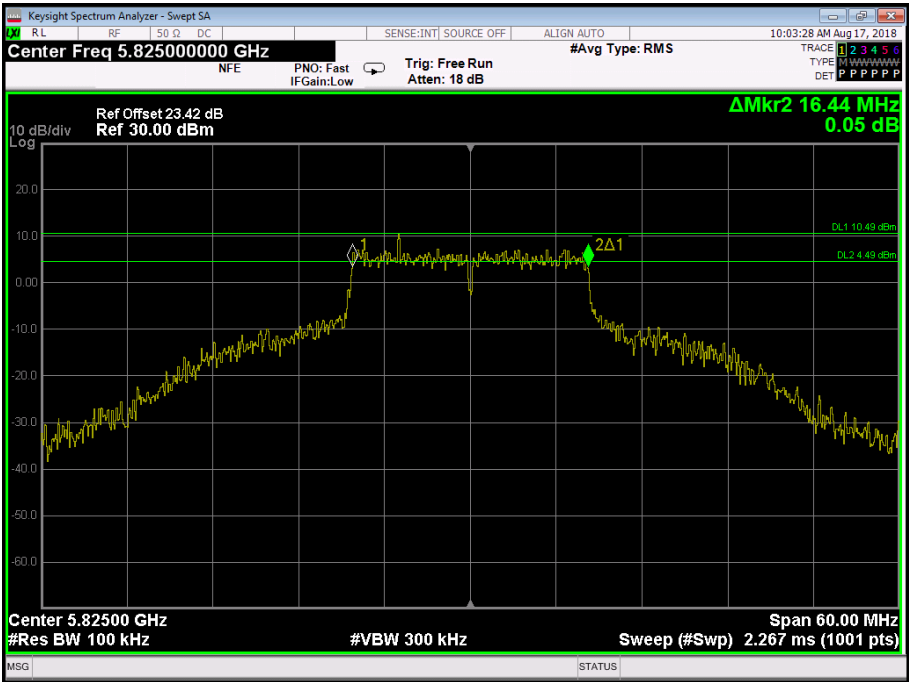


Figure 378 - 5825 MHz - 6 dB DTS Bandwidth

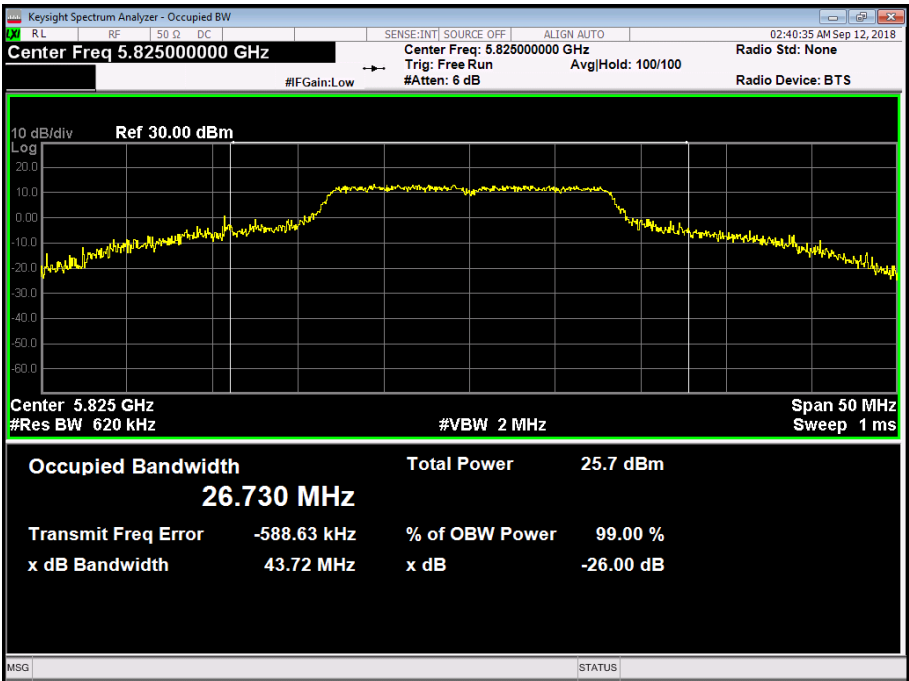


Figure 379 - 5825 MHz - 99% Occupied Bandwidth



802.11n / HT20 MCS0 / SISO / Core Aux

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.880	17.700	17.700	17.880
26 dB Bandwidth (MHz)	26.28	44.08	46.17	47.37
99% Bandwidth (MHz)	18.174	22.747	25.001	27.943

Table 361

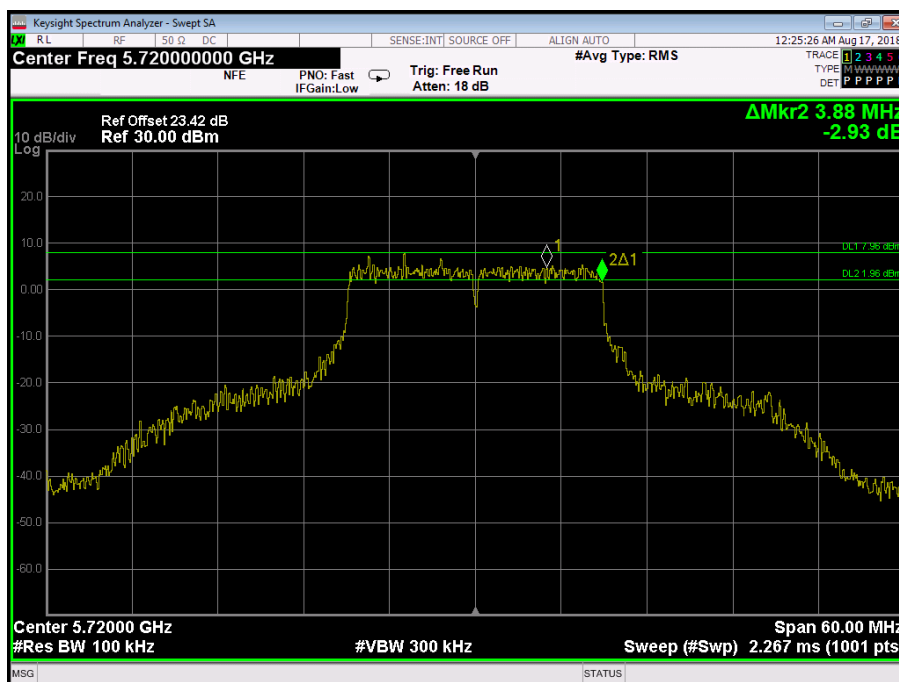


Figure 380 - 5720 MHz - 6 dB DTS Bandwidth

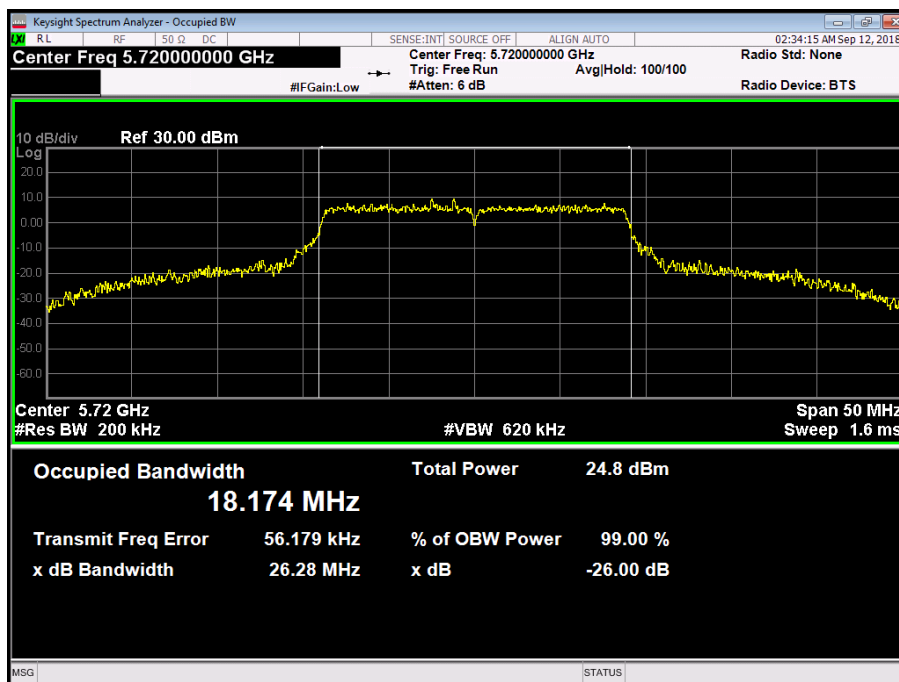


Figure 381 - 5720 MHz - 99% Occupied Bandwidth



Product Service

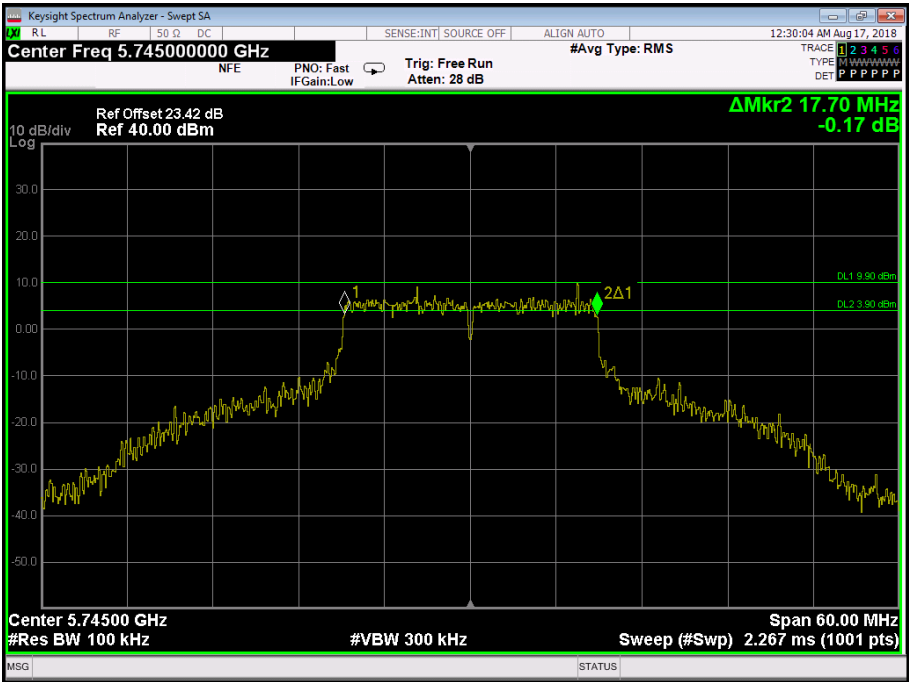


Figure 382 - 5745 MHz - 6 dB DTS Bandwidth

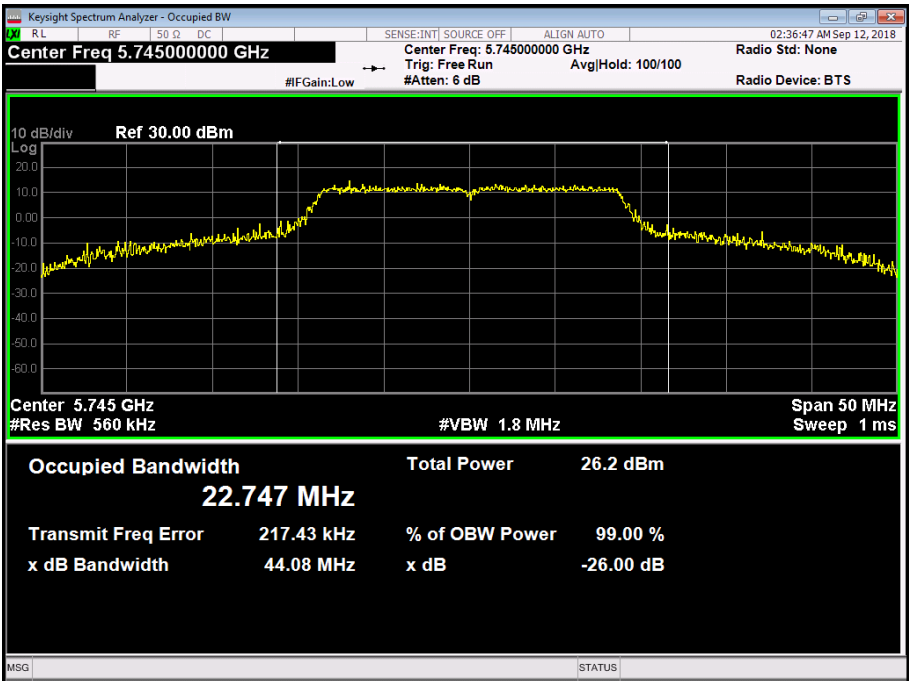


Figure 383 - 5745 MHz - 99% Occupied Bandwidth



Product Service

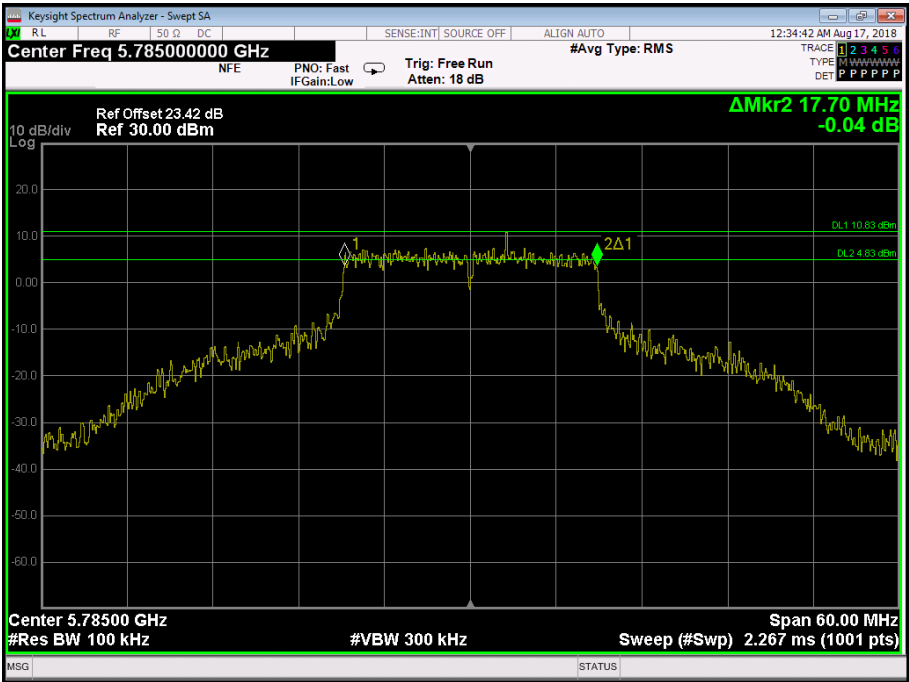


Figure 384 - 5785 MHz - 6 dB DTS Bandwidth

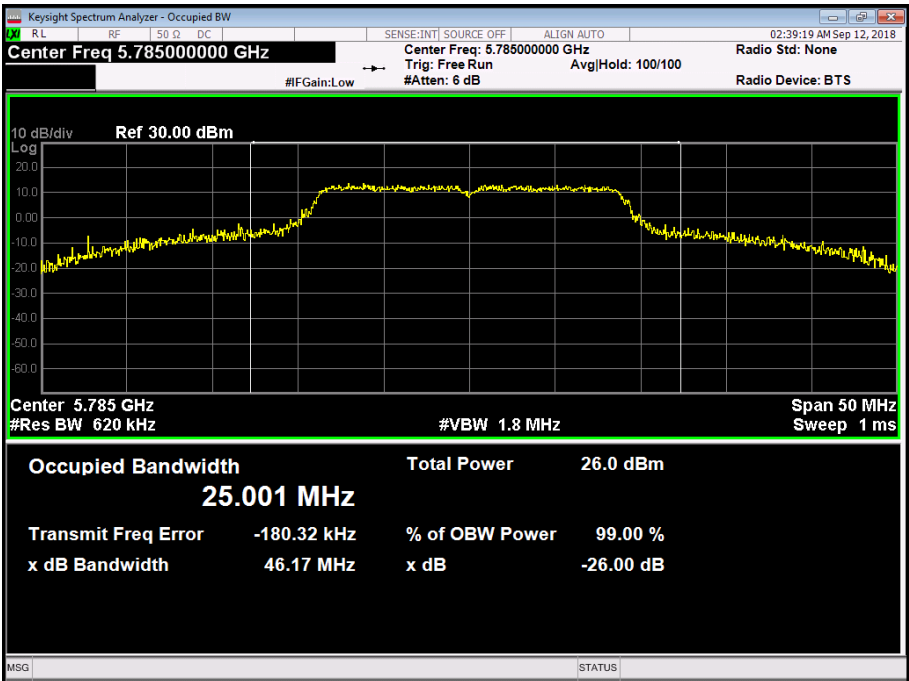


Figure 385 - 5785 MHz - 99% Occupied Bandwidth



Product Service

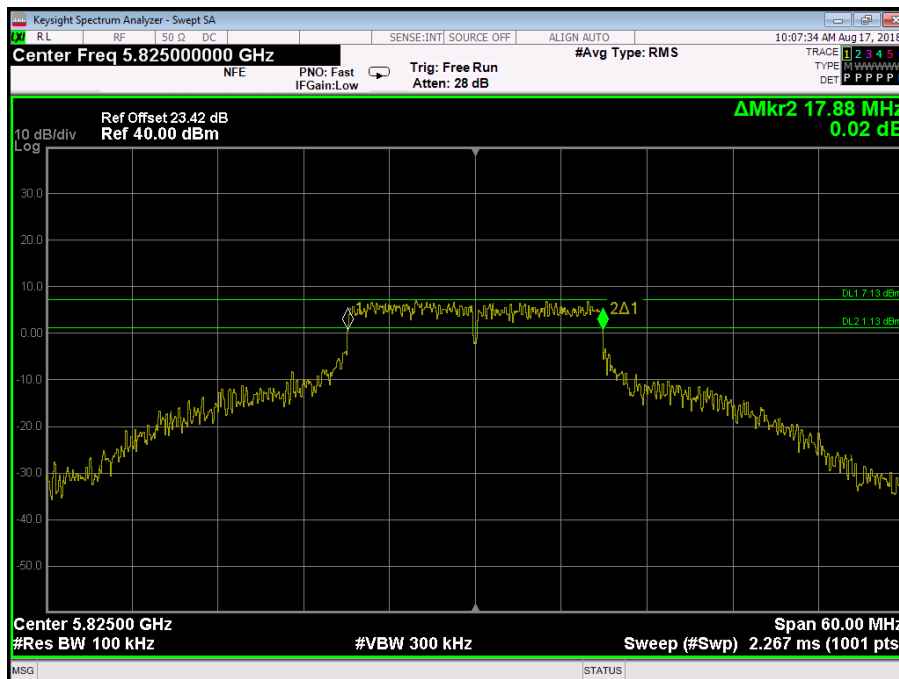


Figure 386 - 5825 MHz - 6 dB DTS Bandwidth

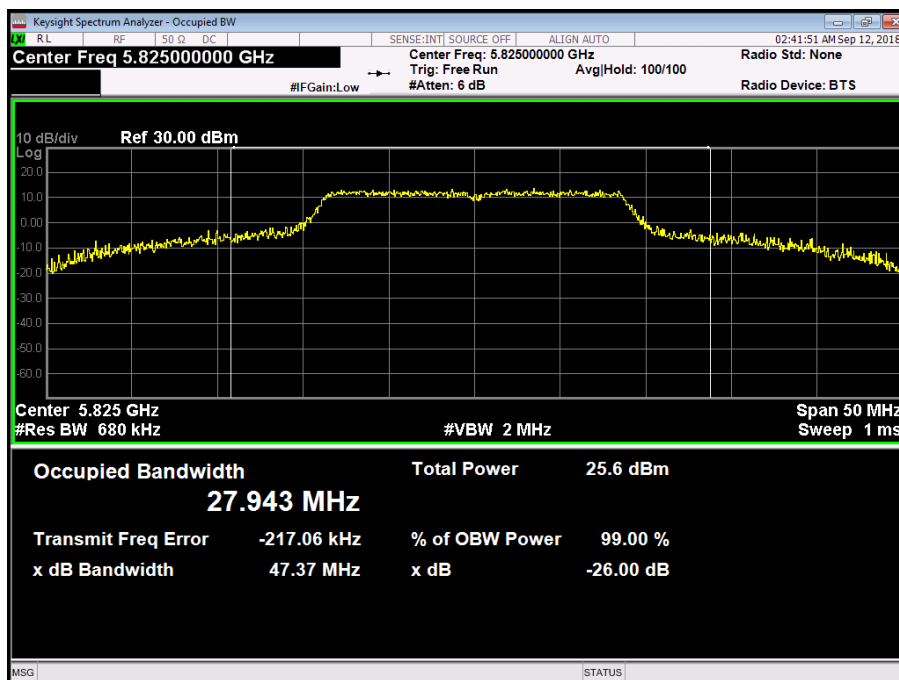


Figure 387 - 5825 MHz - 99% Occupied Bandwidth



802.11n / HT40 MCS0 / SISO / Core Aux

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.240	36.480	36.480
26 dB Bandwidth (MHz)	86.12	92.62	94.73
99% Bandwidth (MHz)	42.760	46.187	54.668

Table 362

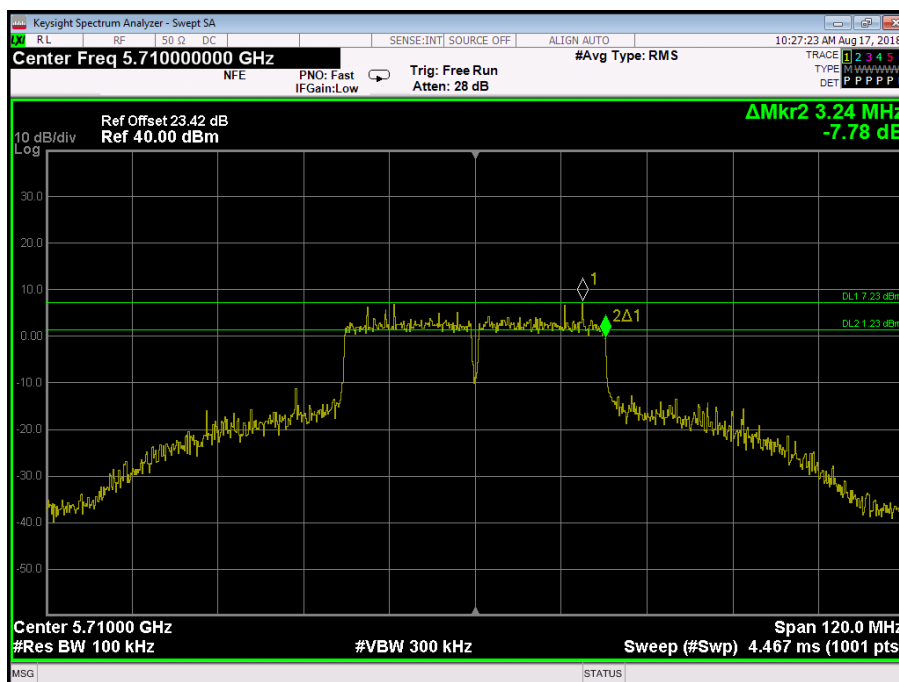


Figure 388 - 5710 MHz - 6 dB DTS Bandwidth

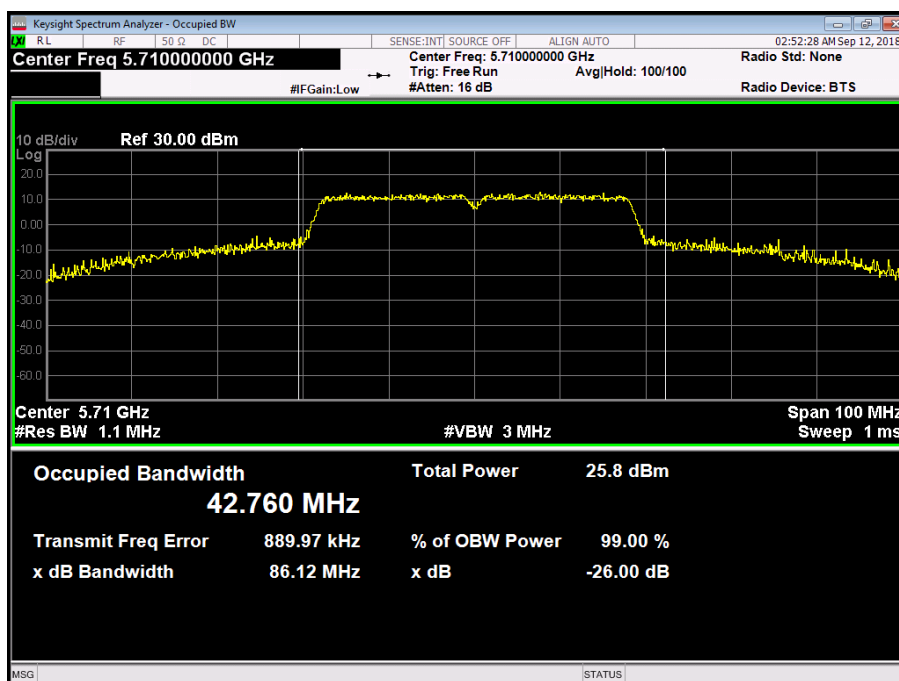


Figure 389 - 5710 MHz - 99% Occupied Bandwidth



Product Service

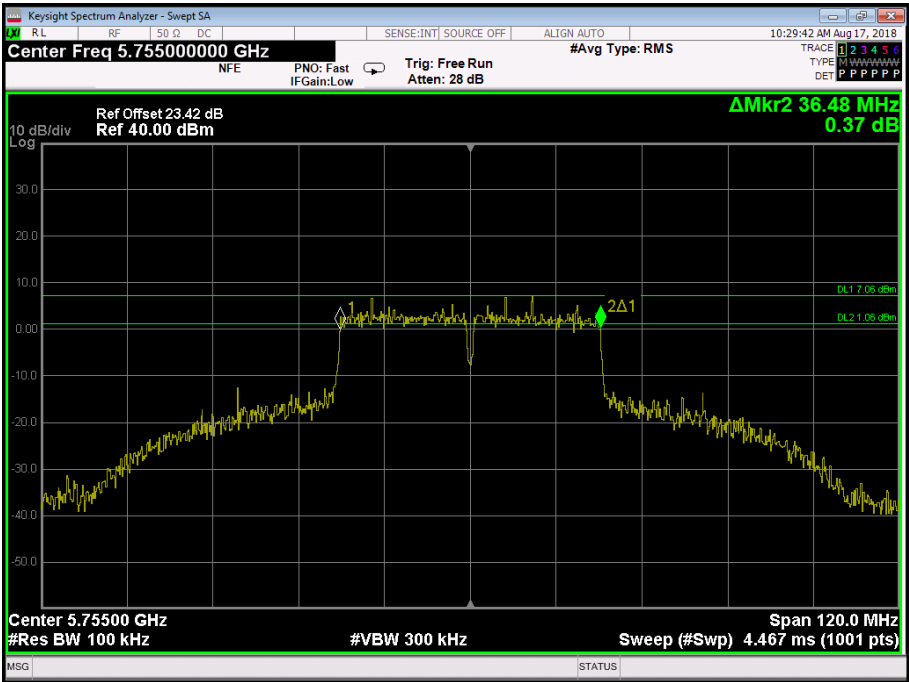


Figure 390 - 5755 MHz - 6 dB DTS Bandwidth

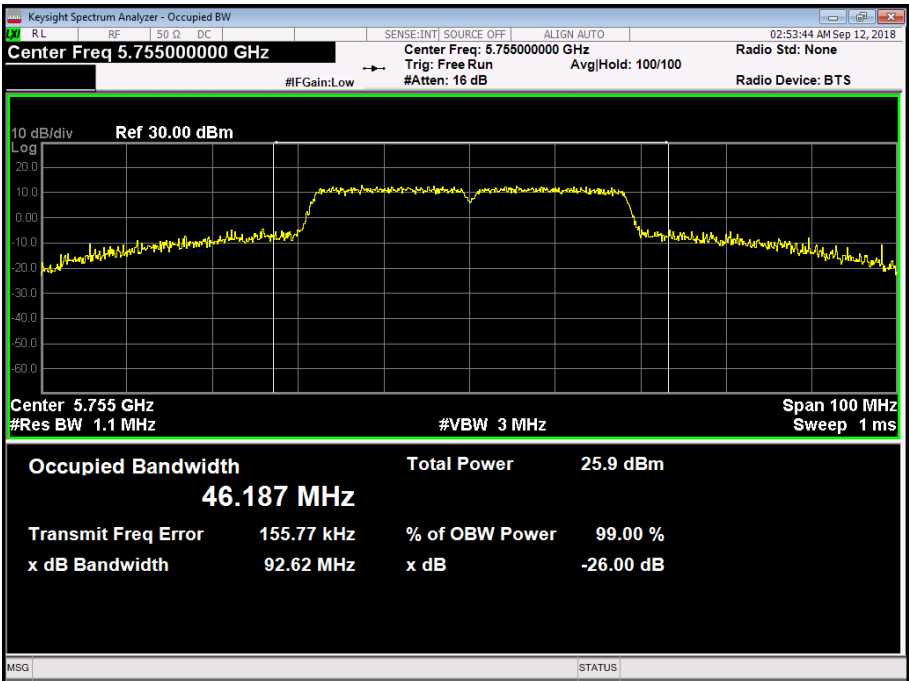


Figure 391 - 5755 MHz - 99% Occupied Bandwidth



Product Service

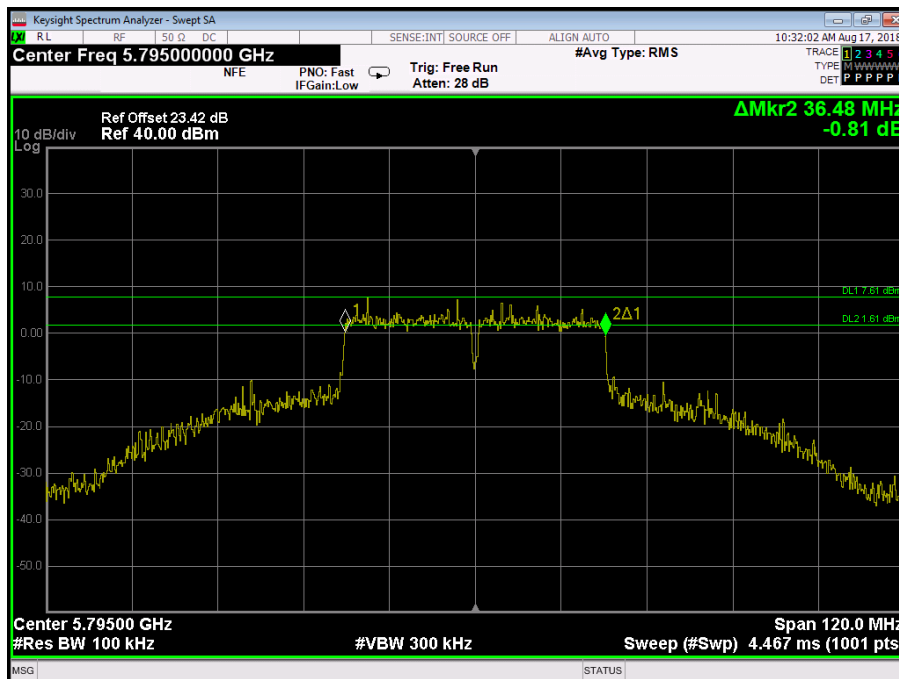


Figure 392 - 5795 MHz - 6 dB DTS Bandwidth

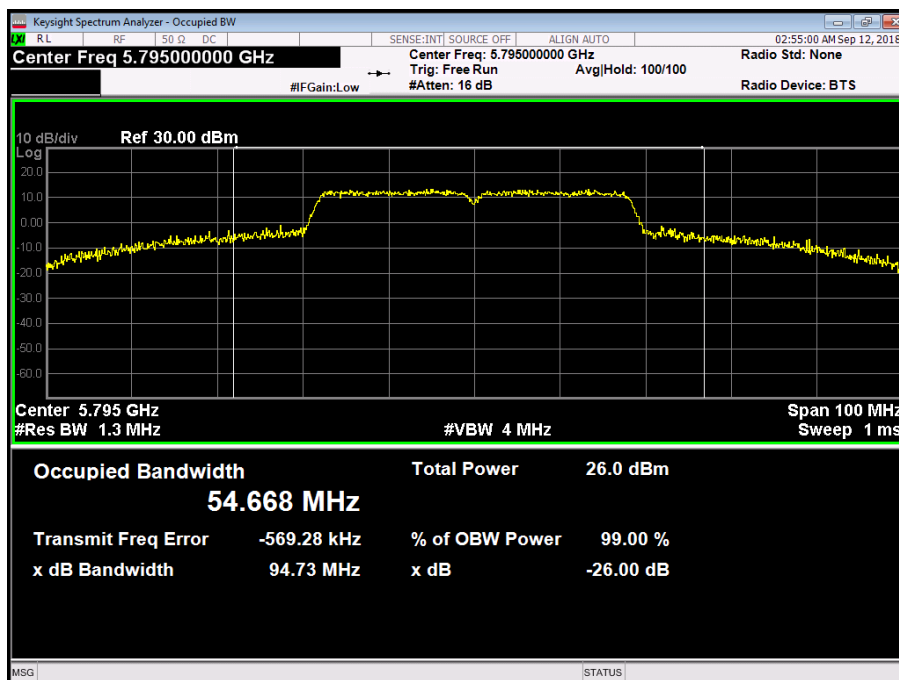


Figure 393 - 5795 MHz - 99% Occupied Bandwidth



802.11ac / VHT80 MCS0x1 / SISO / Core Aux

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	2.920	74.160
26 dB Bandwidth (MHz)	128.9	165.3
99% Bandwidth (MHz)	81.666	75.957

Table 363

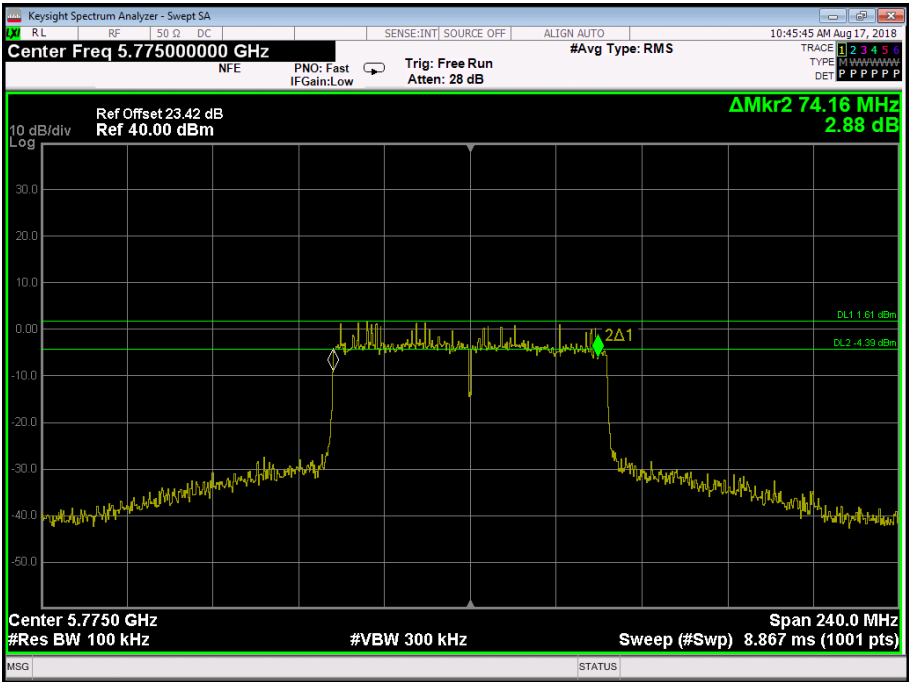


Figure 394 - 5775 MHz - 6 dB DTS Bandwidth

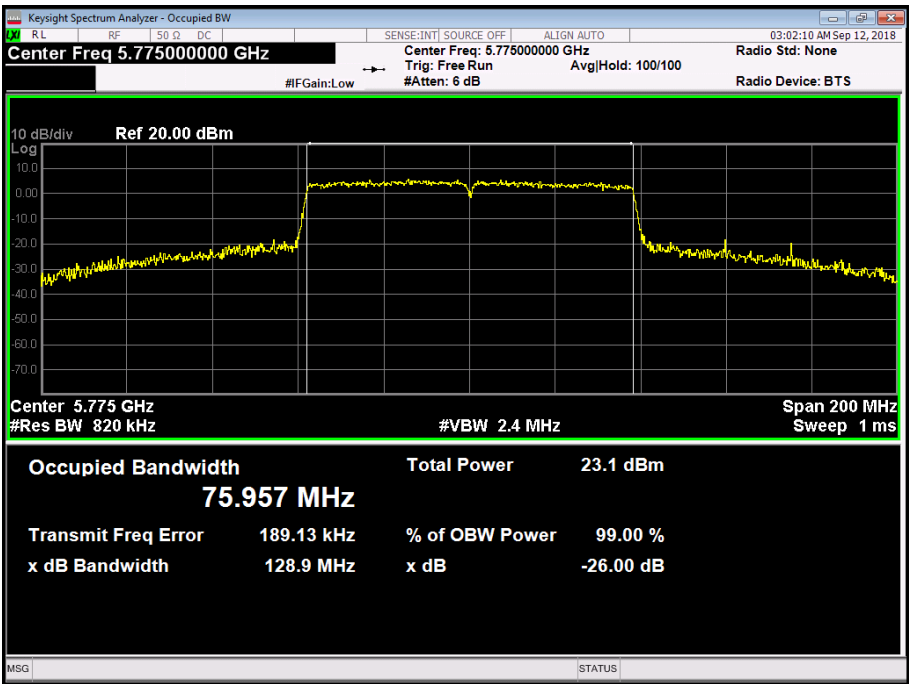


Figure 395 - 5775 MHz - 99% Occupied Bandwidth



Product Service

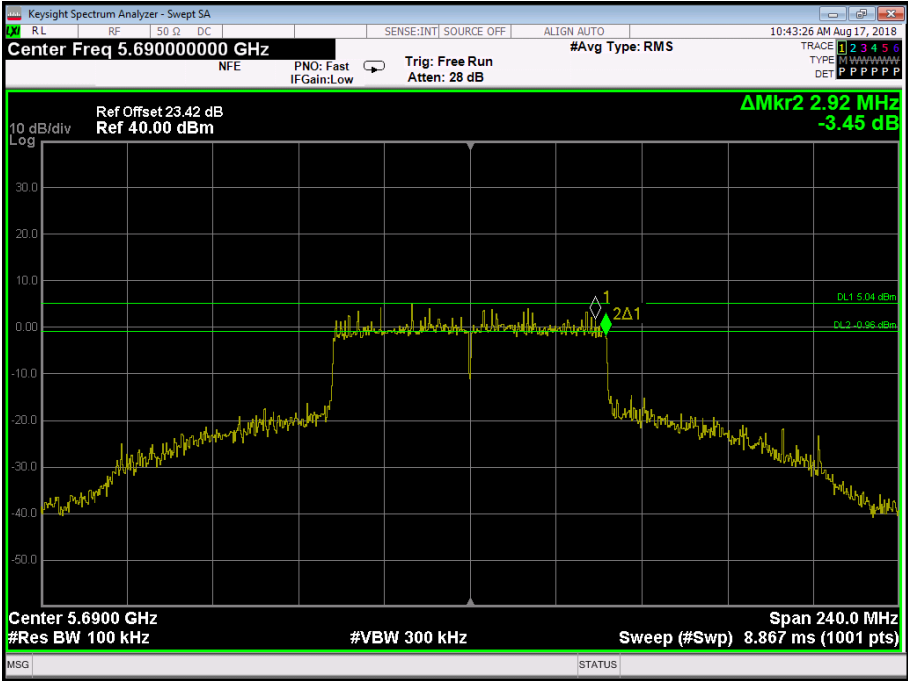


Figure 396 - 5690 MHz - 6 dB DTS Bandwidth

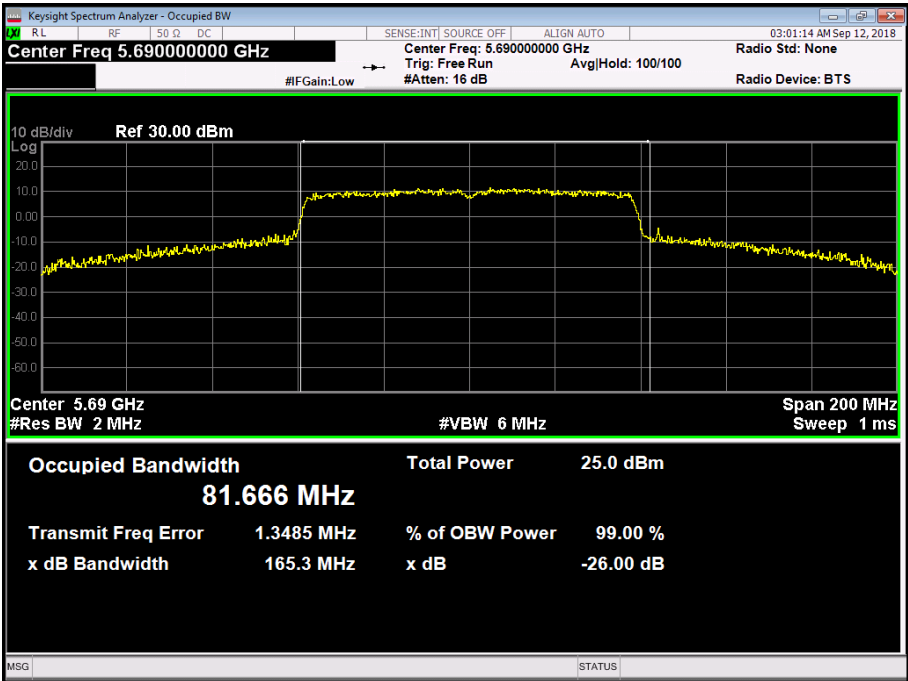


Figure 397 - 5690 MHz - 99% Occupied Bandwidth



2.3.10 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 3.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
Directional Coupler	Hewlett Packard	11692D	451	-	O/P Mon
Attenuator (20dB, 2W)	Pasternack	PE7004-20	2943	12	18-Jul-2019
Attenuator (20dB, 150W)	Narda	769-20	3367	12	17-Jul-2019
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	2-Oct-2018
'3.5mm' - '3.5mm' RF Cable (2m)	Rhophase	3PS-1803-2000-3PS	3702	12	9-Feb-2019
DC - 12.4 GHz 10 dB Attenuator	Suhner	6810.17.A	3965	12	18-Jul-2019
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	6-Mar-2019
PXA Signal Analyser	Keysight Technologies	N9030A	4653	12	5-Feb-2019
Power splitter - 4 port	Mini-Circuits	ZN4PD1-63-S+	4744	12	14-Sep-2018

Table 364

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)
Industry Canada RSS-247, Clause 6.2

2.4.2 Equipment Under Test and Modification State

A1993, S/N: C07WT00HK2V0 - Modification State 0

2.4.3 Date of Test

13-August-2018 & 28-September-2018

2.4.4 Test Method

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

For U-NII-2C channels, the limit line on the following plots equated to -27dBm/MHz. EIRP was converted to field strength at 3m using the following formula:

$$\text{Field Strength (dB}\mu\text{V/m at 3m)} = \text{EIRP (dBm)} + 95.2 \text{ dB}$$

Authorised band edge measurements were performed, with the device operating in SISO, MIMO and TxBF set-ups, 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 19.0 - 24.5 °C
Relative Humidity 35.0 - 57.0 %

2.4.6 Test Results

Main - 20 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dBuV/m)
SISO	802.11a	100	5470.0	63.88
SISO	802.11a	140	5725.0	65.76
SISO	802.11a	144	5850.0	59.80
SISO	802.11a	149	5725.0	56.40
SISO	802.11a	165	5850.0	57.70

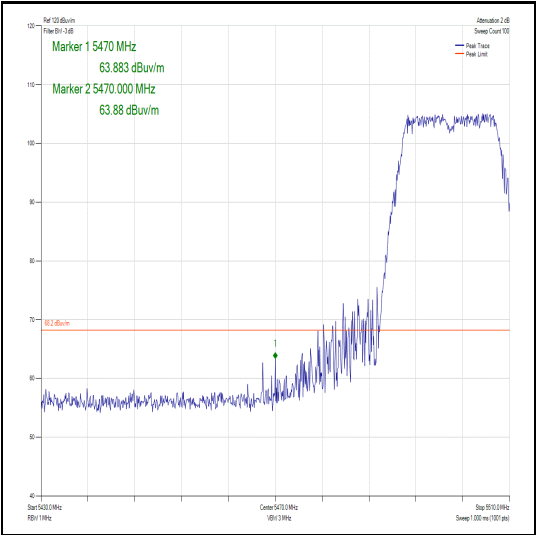


Figure 398 – Channel 100 - Authorised Band Edge

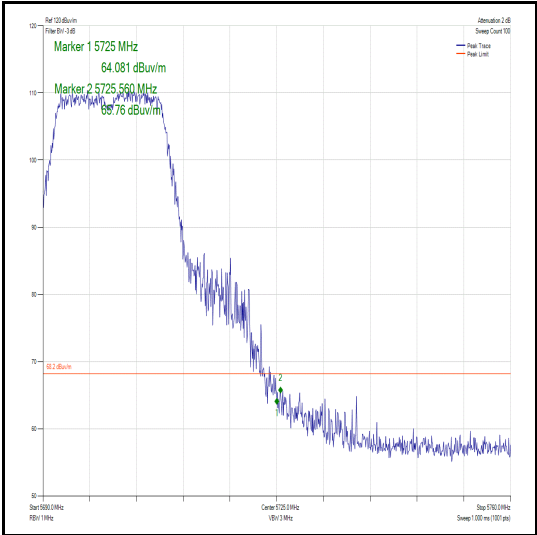


Figure 399 – Channel 140 - Authorised Band Edge

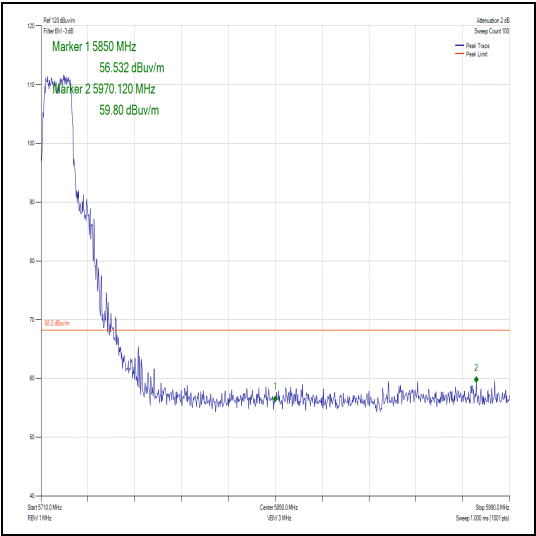


Figure 400 – Channel 144 - Authorised Band Edge

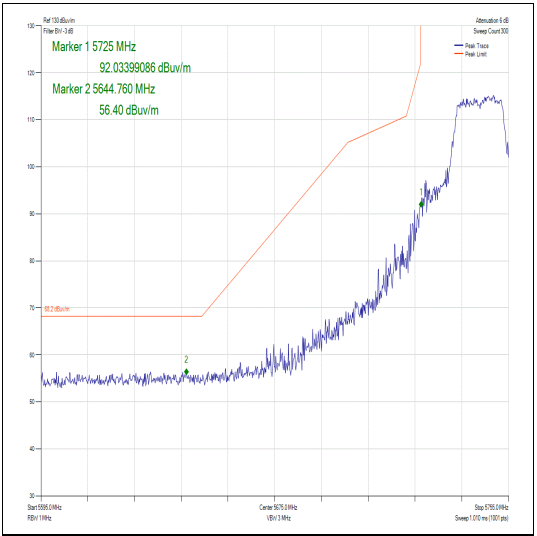


Figure 401 – Channel 149 - Authorised Band Edge



Product Service

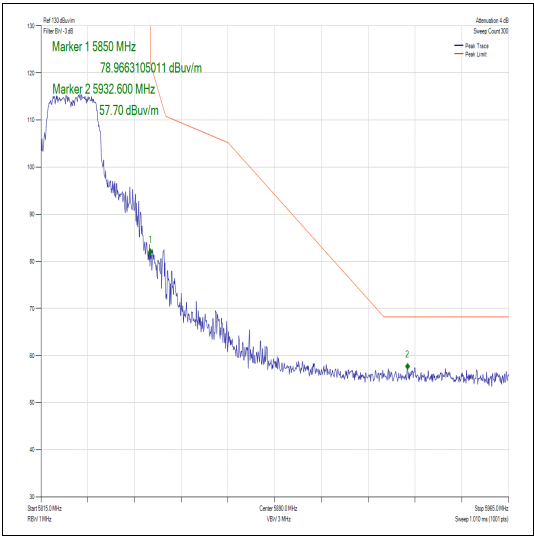


Figure 402 – Channel 165 - Authorized Band Edge



Main - 20 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dBuV/m)
SISO	802.11n	100	5470.0	65.60
SISO	802.11n	140	5725.0	65.72
SISO	802.11n	144	5850.0	59.35
SISO	802.11n	149	5725.0	56.98
SISO	802.11n	165	5850.0	57.91

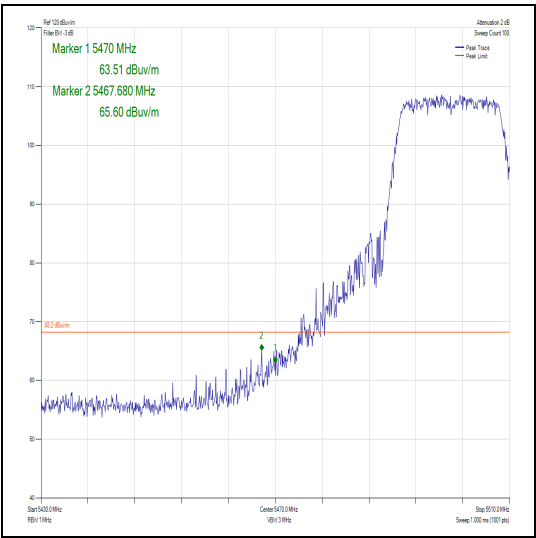


Figure 403 – Channel 100 - Authorised Band Edge

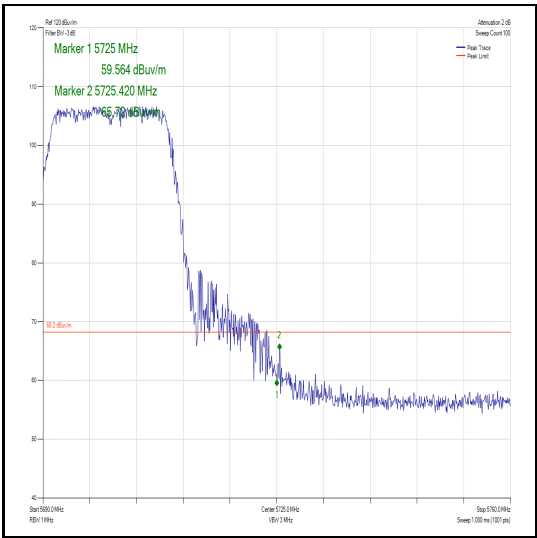


Figure 404 – Channel 140 - Authorised Band Edge

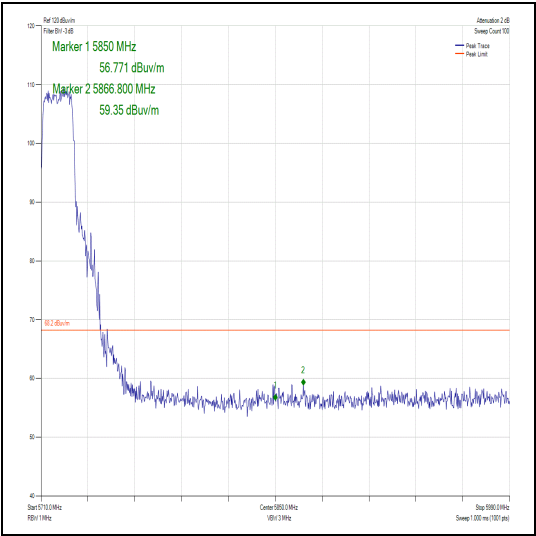


Figure 405 – Channel 144 - Authorised Band Edge

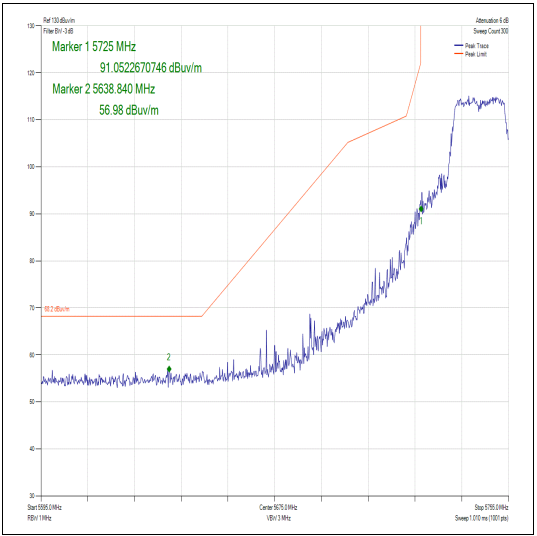


Figure 406 – Channel 149 - Authorised Band Edge

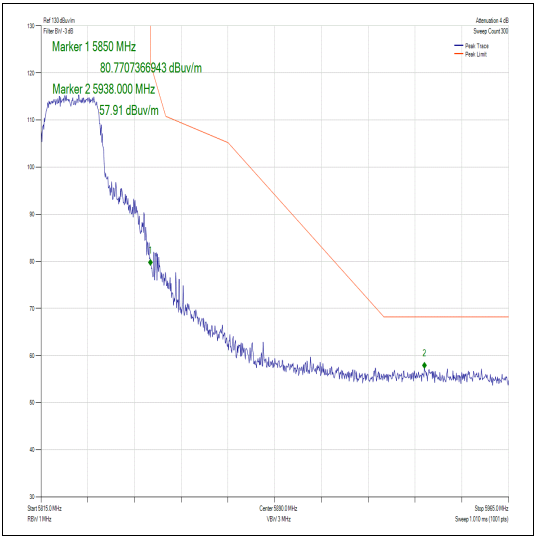


Figure 407 – Channel 165 - Authorised Band Edge