



802.11n / HT20 MCS0 / SISO / Core 1

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.880	17.640	16.560	16.380
26 dB Bandwidth (MHz)	5.920	29.340	44.880	45.180
99% Bandwidth (MHz)	17.814	24.128	25.819	24.753

Table 196

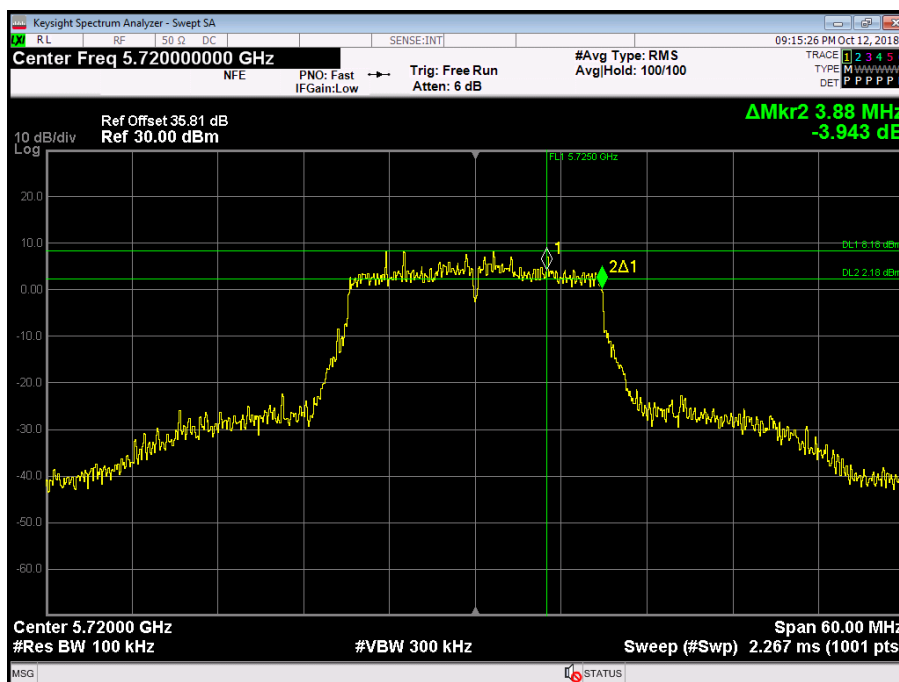


Figure 271 - 5720 MHz - 6 dB DTS Bandwidth



Figure 272 - 5720 MHz - 26 dB Emission Bandwidth



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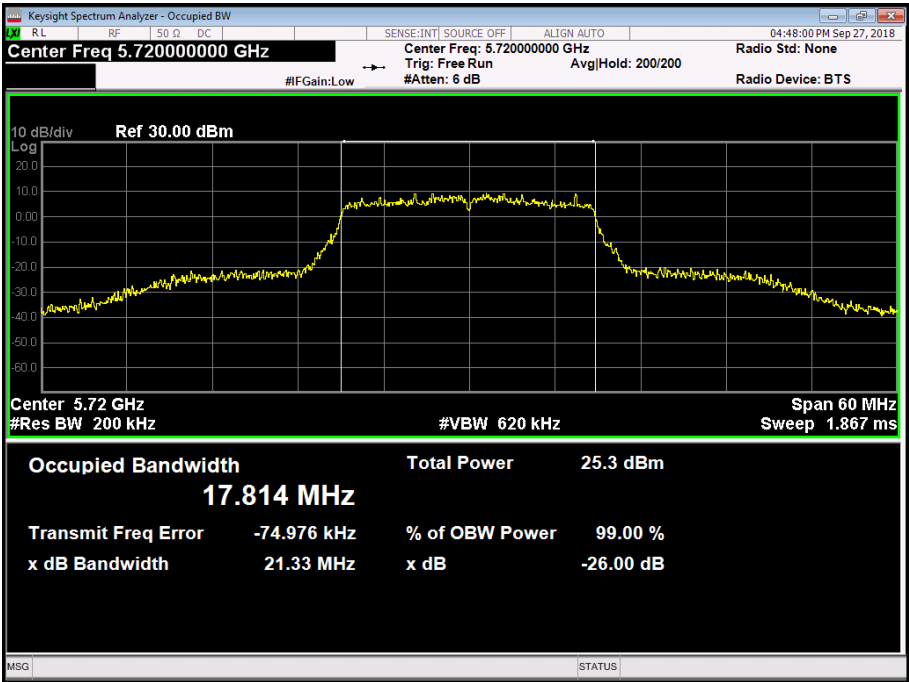


Figure 273 - 5720 MHz - 99% Occupied Bandwidth

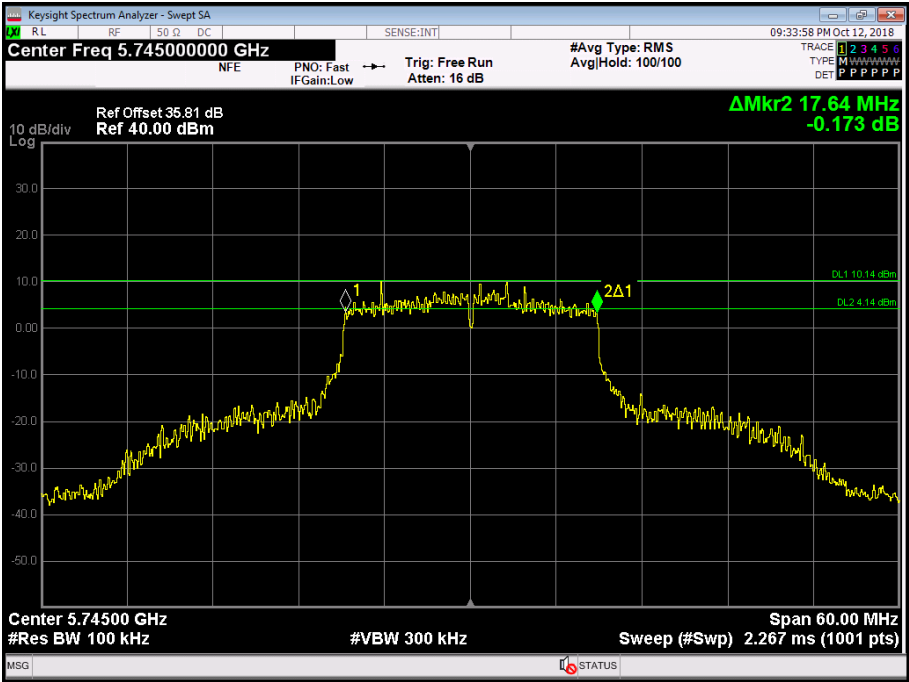


Figure 274 - 5745 MHz - 6 dB DTS Bandwidth



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Figure 275 - 5745 MHz - 26 dB Emission Bandwidth

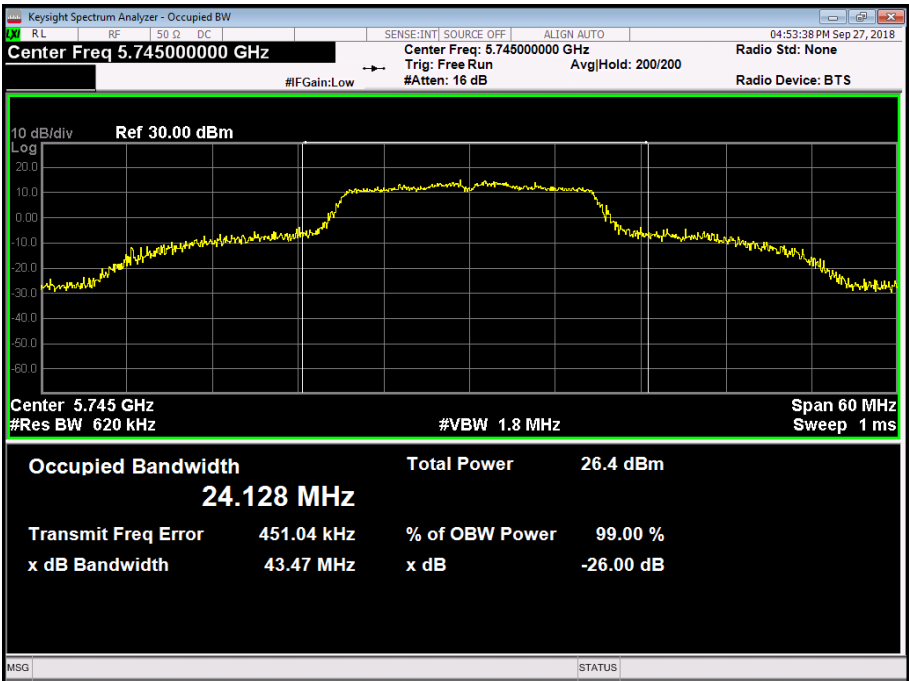


Figure 276 - 5745 MHz - 99% Occupied Bandwidth

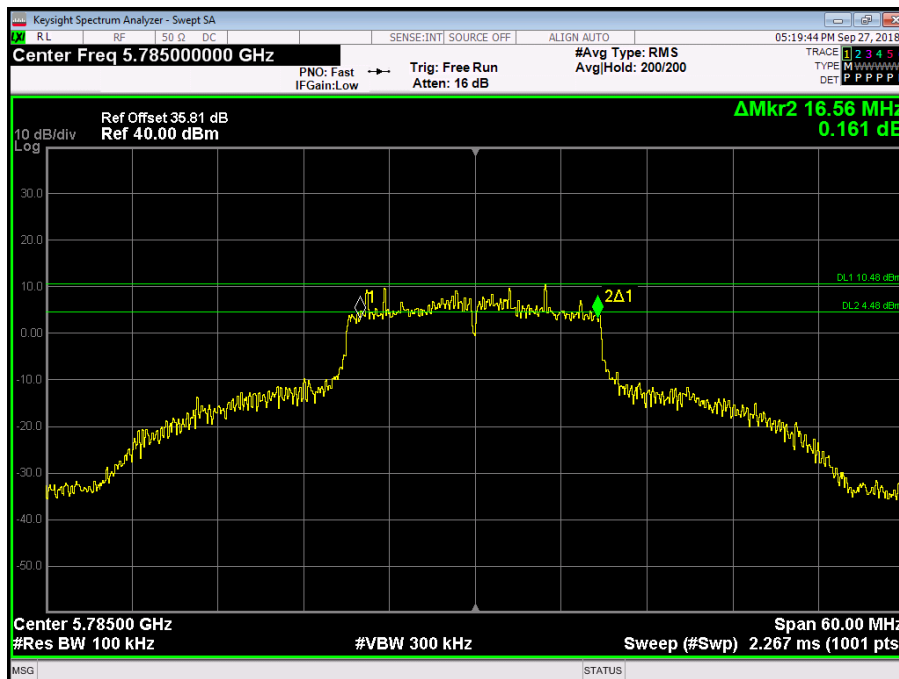


Figure 277 - 5785 MHz - 6 dB DTS Bandwidth



Figure 278 - 5785 MHz - 26 dB Emission Bandwidth



Product Service

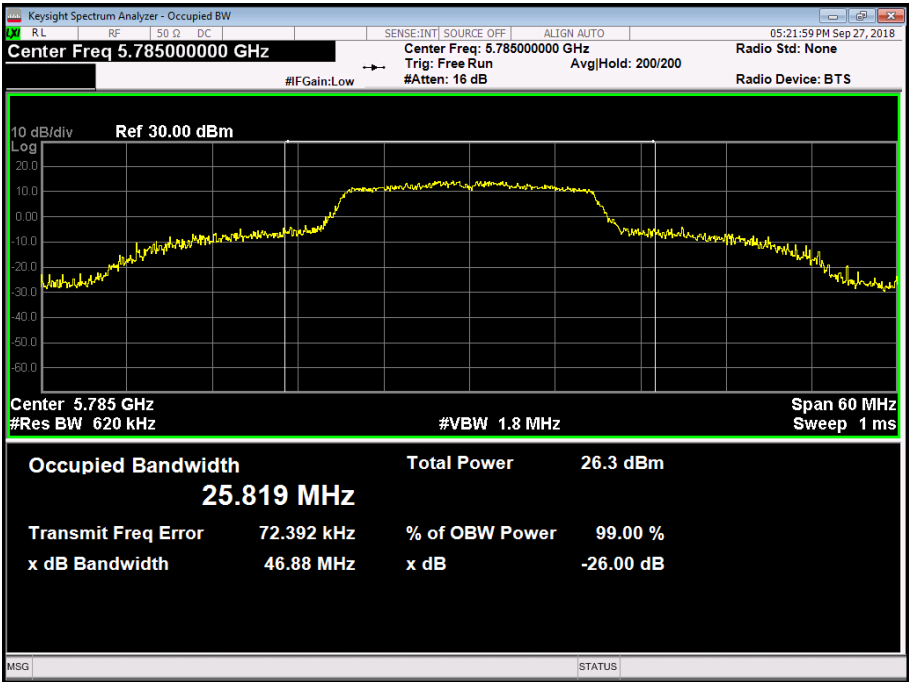


Figure 279 - 5785 MHz - 99% Occupied Bandwidth

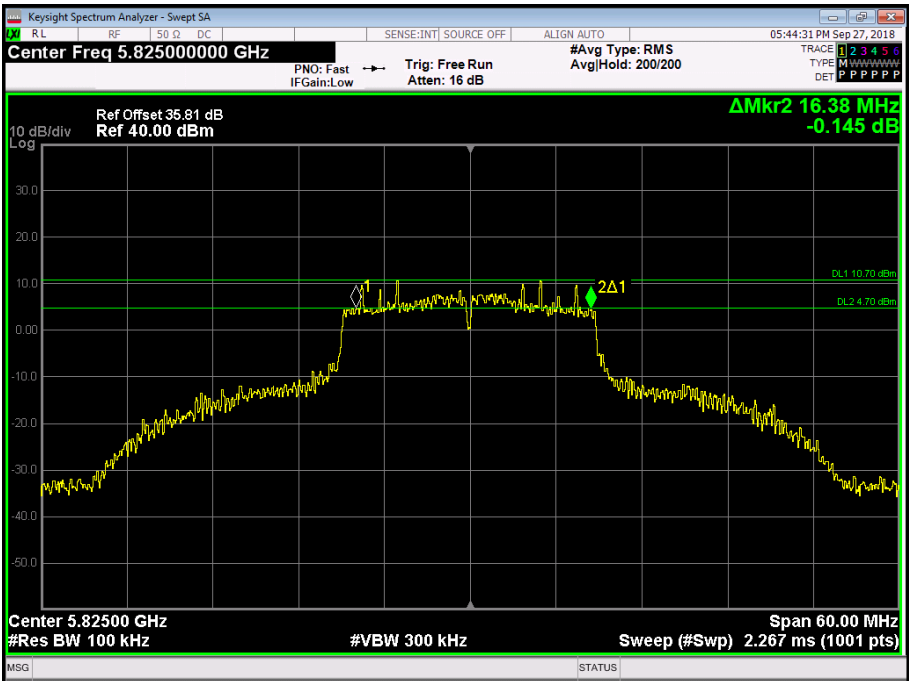


Figure 280 - 5825 MHz - 6 dB DTS Bandwidth



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Figure 281 - 5825 MHz - 26 dB Emission Bandwidth

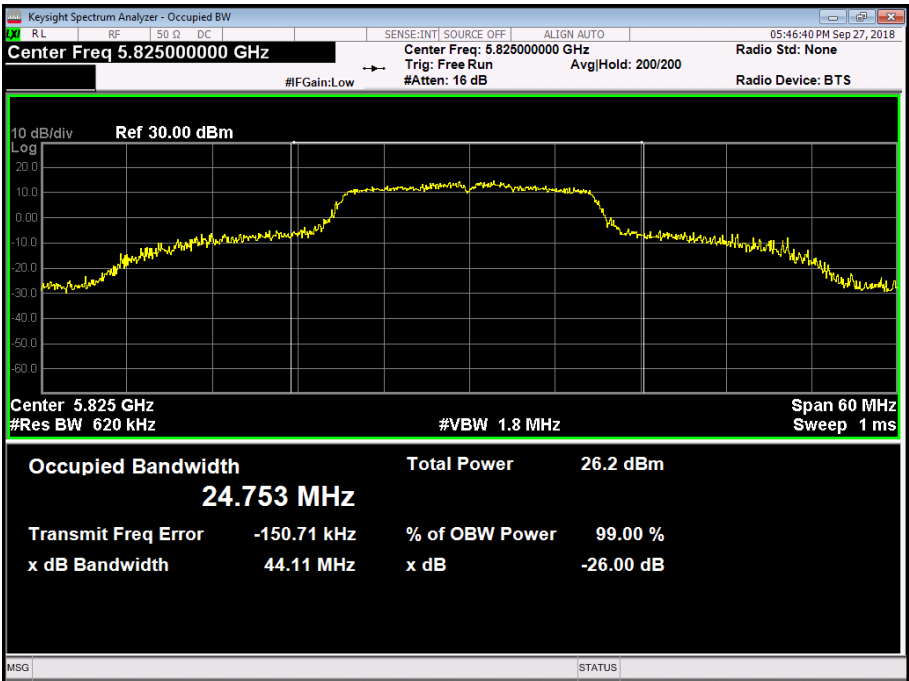


Figure 282 - 5825 MHz - 99% Occupied Bandwidth



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

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.640	17.640	15.540	17.040
26 dB Bandwidth (MHz)	5.920	37.620	45.420	44.700
99% Bandwidth (MHz)	17.719	27.454	28.708	27.336

Table 197

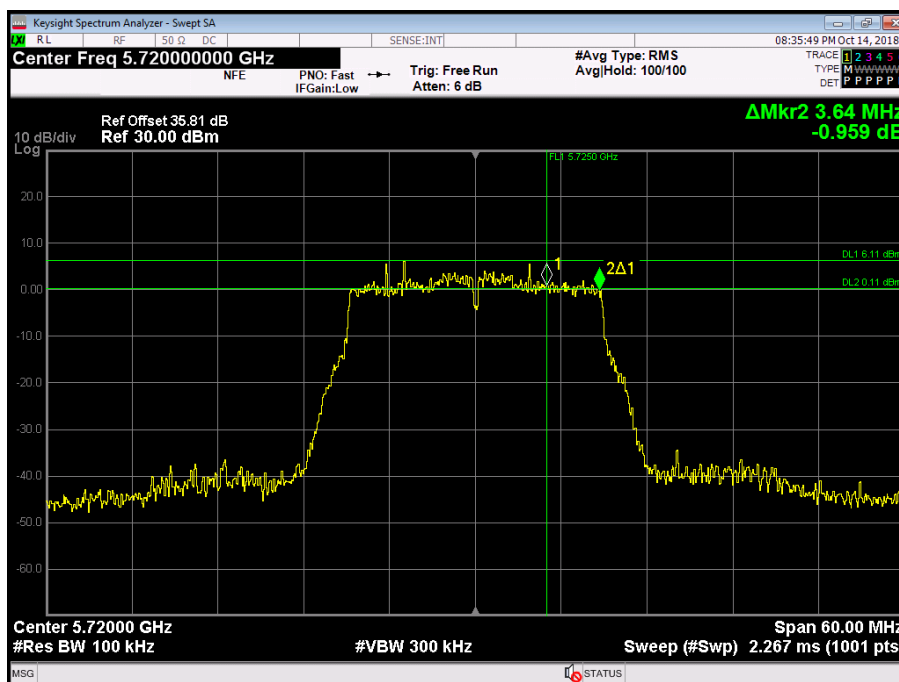


Figure 283 - 5720 MHz - 6 dB DTS Bandwidth

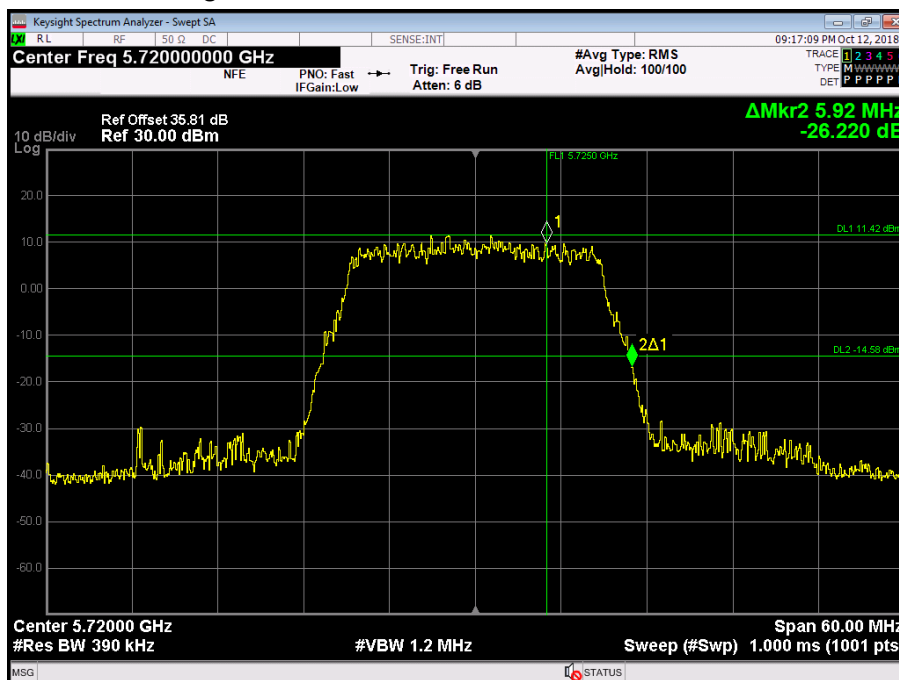


Figure 284 - 5720 MHz - 26 dB Emission Bandwidth



Product Service

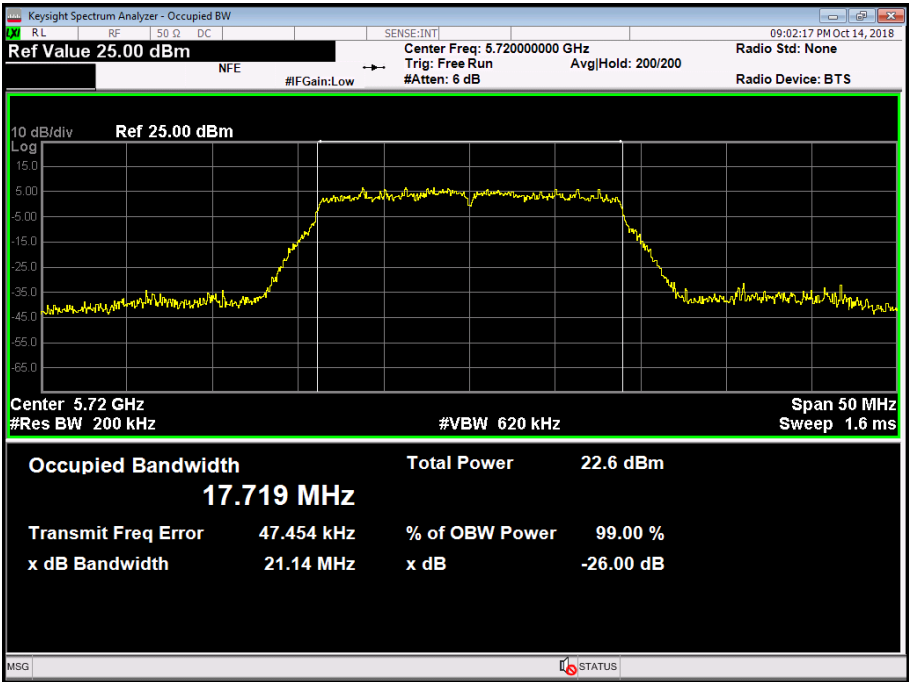


Figure 285 - 5720 MHz - 99% Occupied Bandwidth

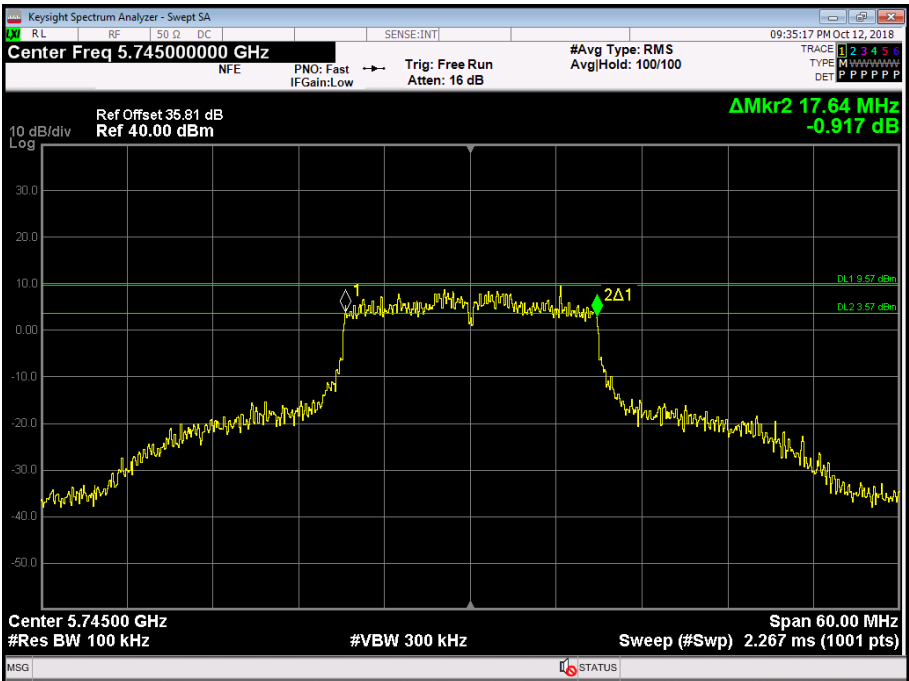


Figure 286 - 5745 MHz - 6 dB DTS Bandwidth



Product Service



Figure 287 - 5745 MHz - 26 dB Emission Bandwidth

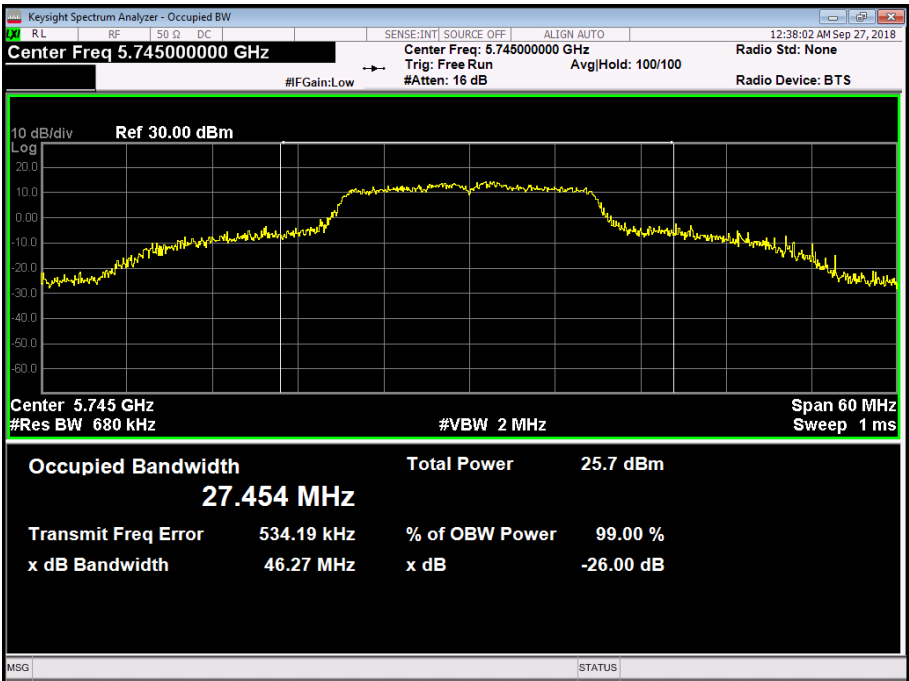


Figure 288 - 5745 MHz - 99% Occupied Bandwidth

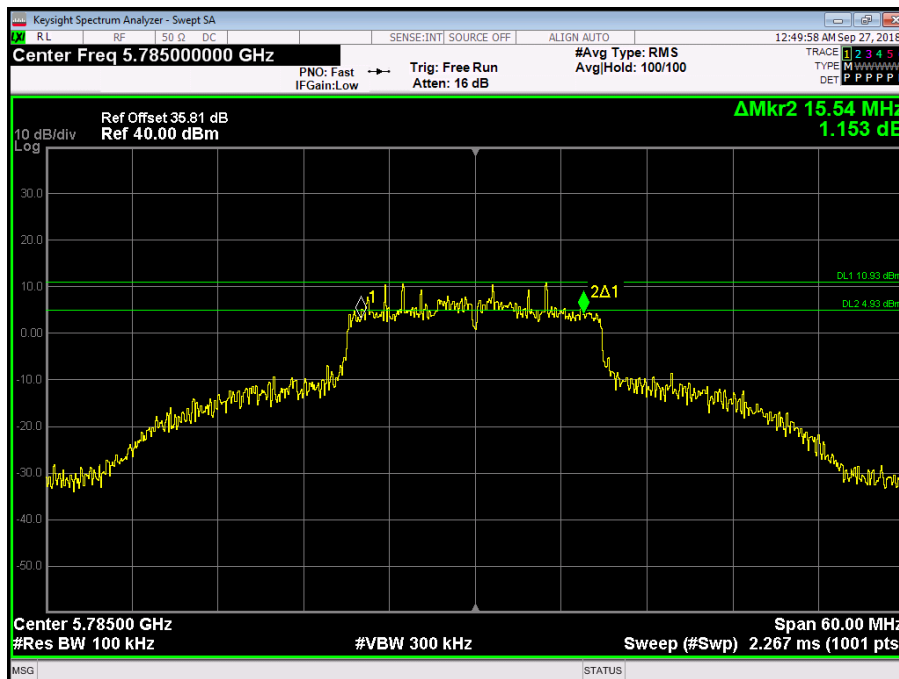


Figure 289 - 5785 MHz - 6 dB DTS Bandwidth

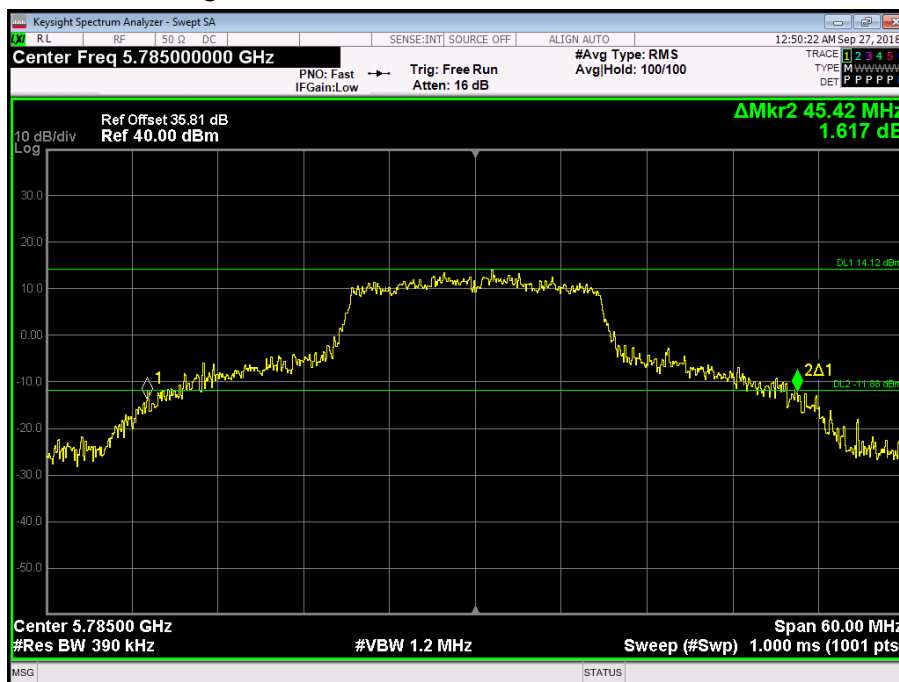


Figure 290 - 5785 MHz - 26 dB Emission Bandwidth



Product Service

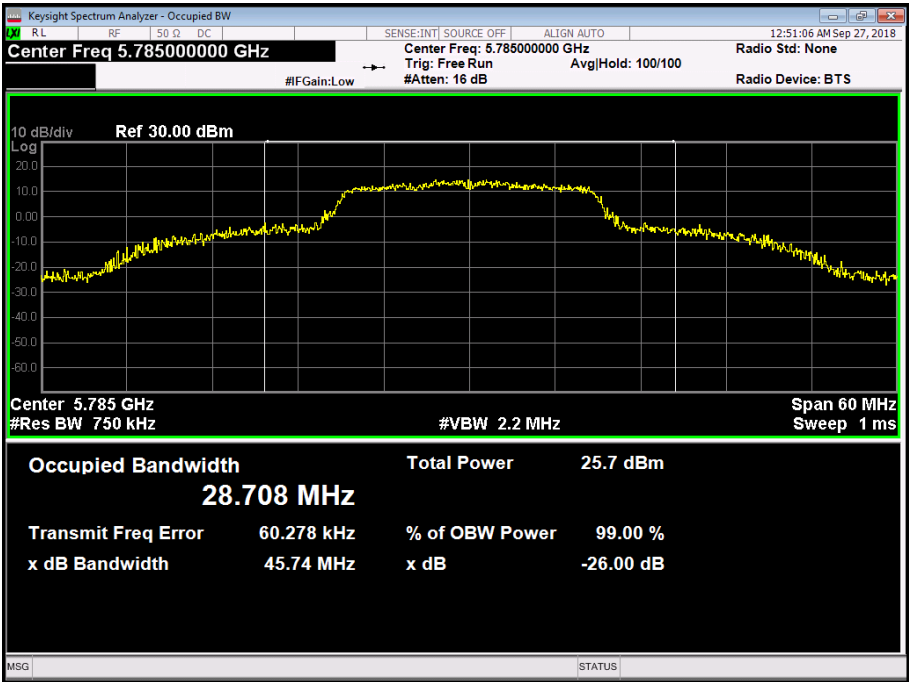


Figure 291 - 5785 MHz - 99% Occupied Bandwidth

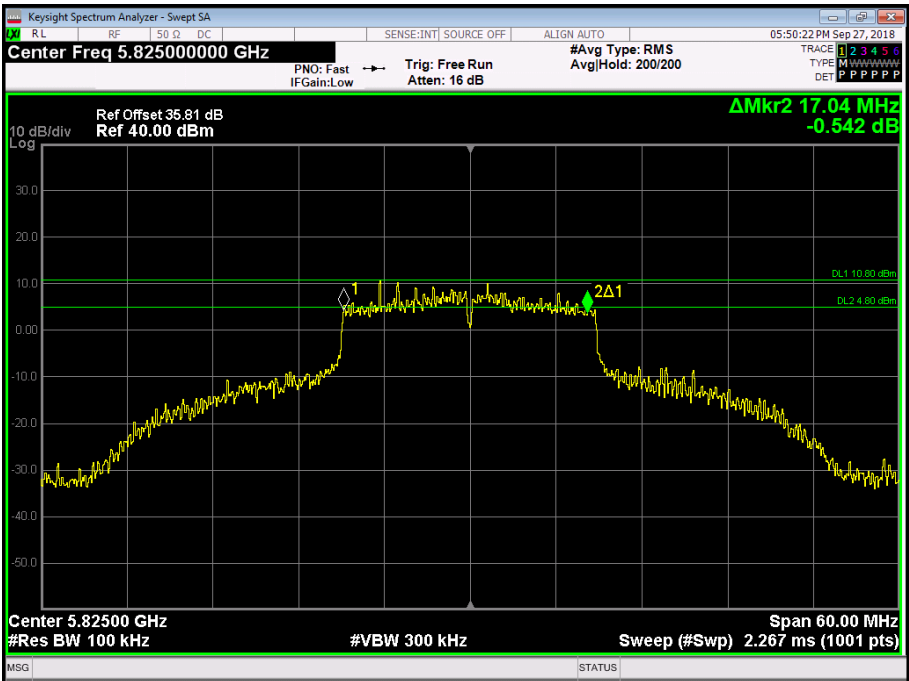


Figure 292 - 5825 MHz - 6 dB DTS Bandwidth



Product Service

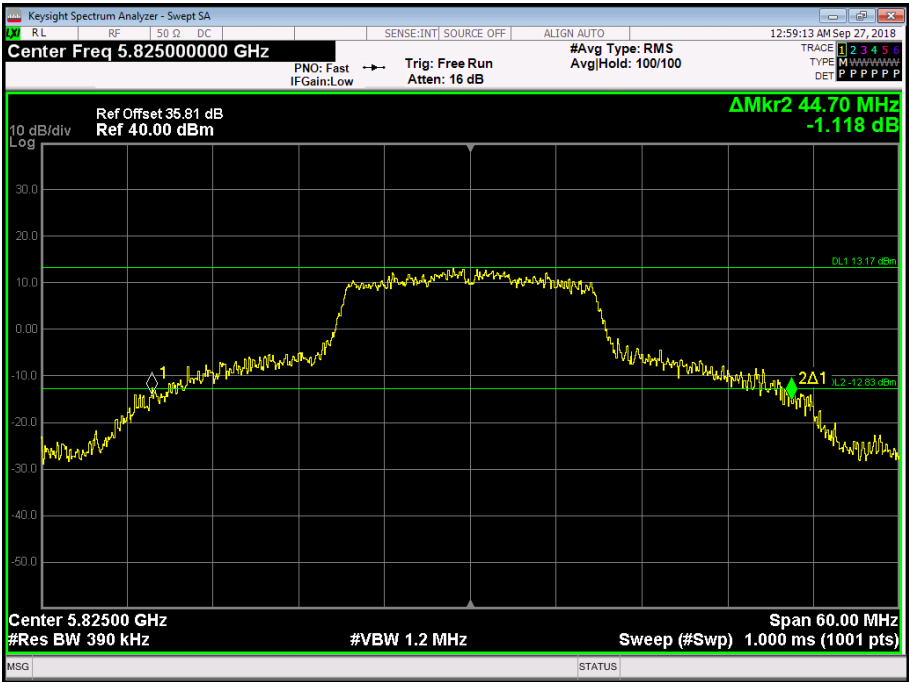


Figure 293 - 5825 MHz - 26 dB Emission Bandwidth

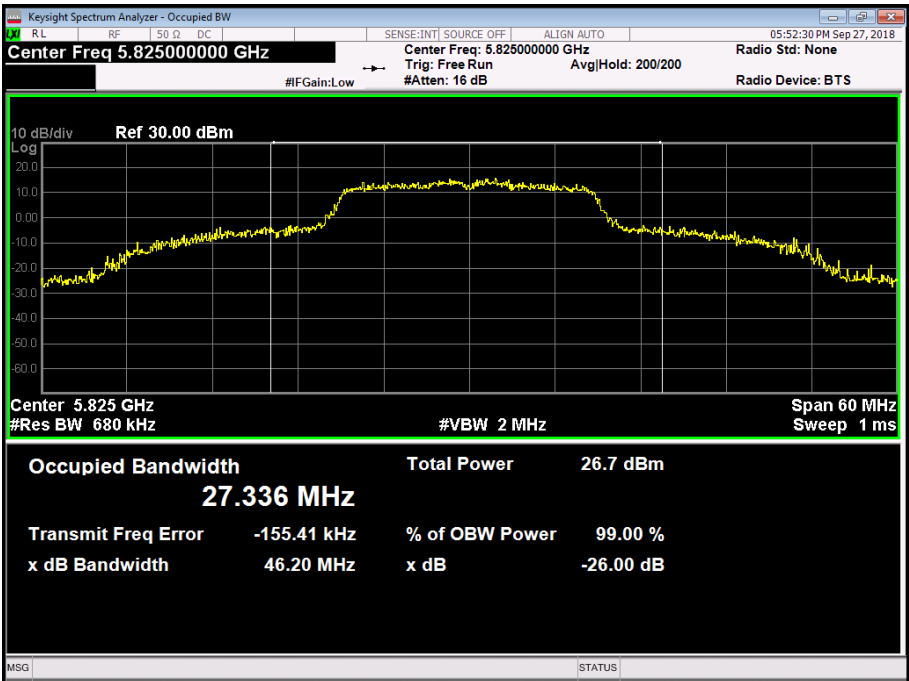


Figure 294 - 5825 MHz - 99% Occupied Bandwidth

802.11n / HT20 MCS8 / MIMO SDM / Cores 0+1

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.220	16.440	15.840	15.180
26 dB Bandwidth (MHz)	5.920	42.080	45.180	45.840
99% Bandwidth (MHz)	17.697	28.669	29.880	27.538

Table 198

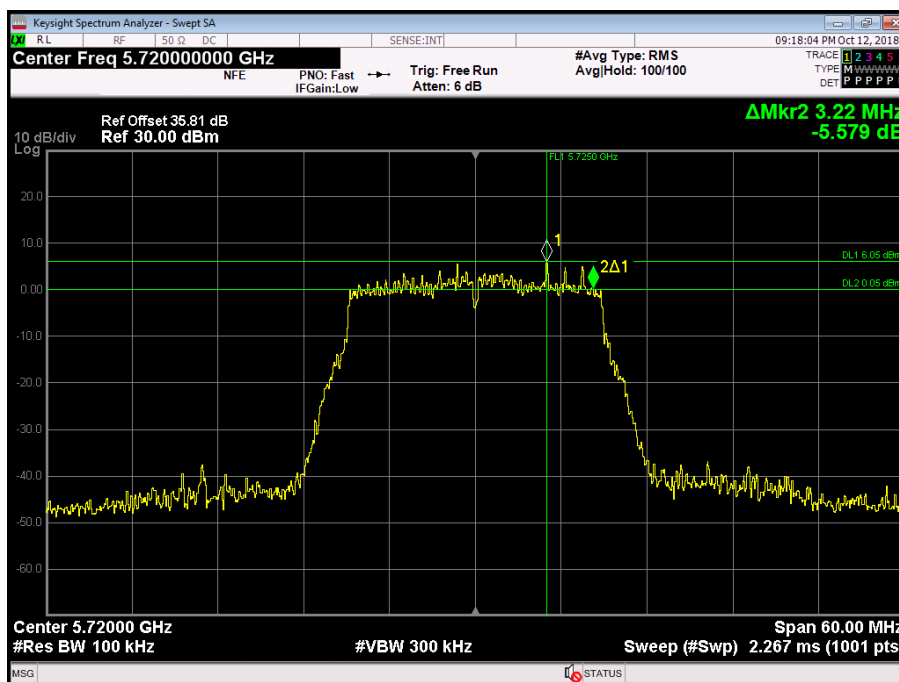


Figure 295 - 5720 MHz - 6 dB DTS Bandwidth

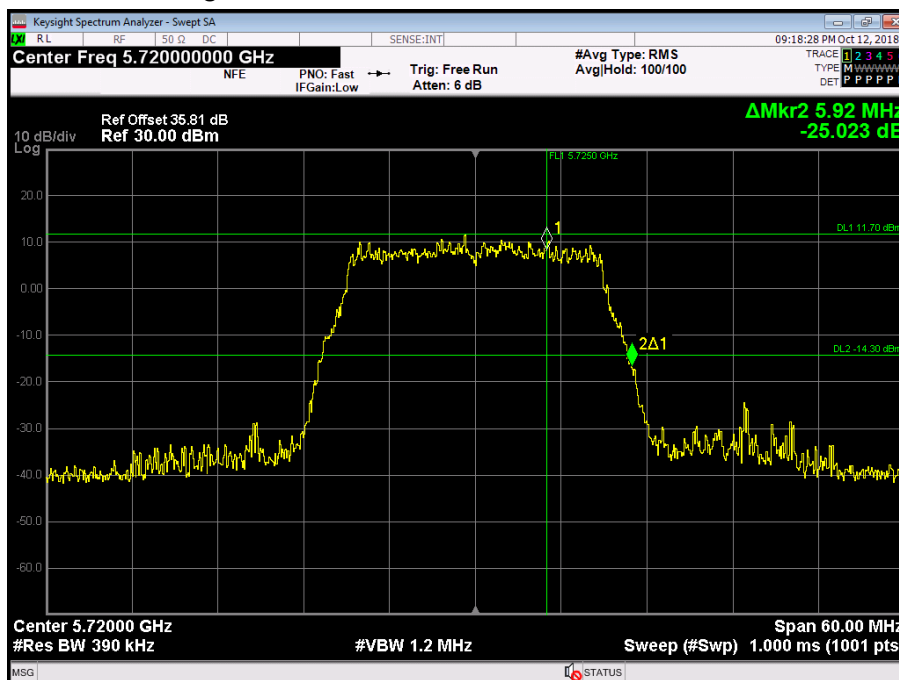


Figure 296 - 5720 MHz - 26 dB Emission Bandwidth



Product Service

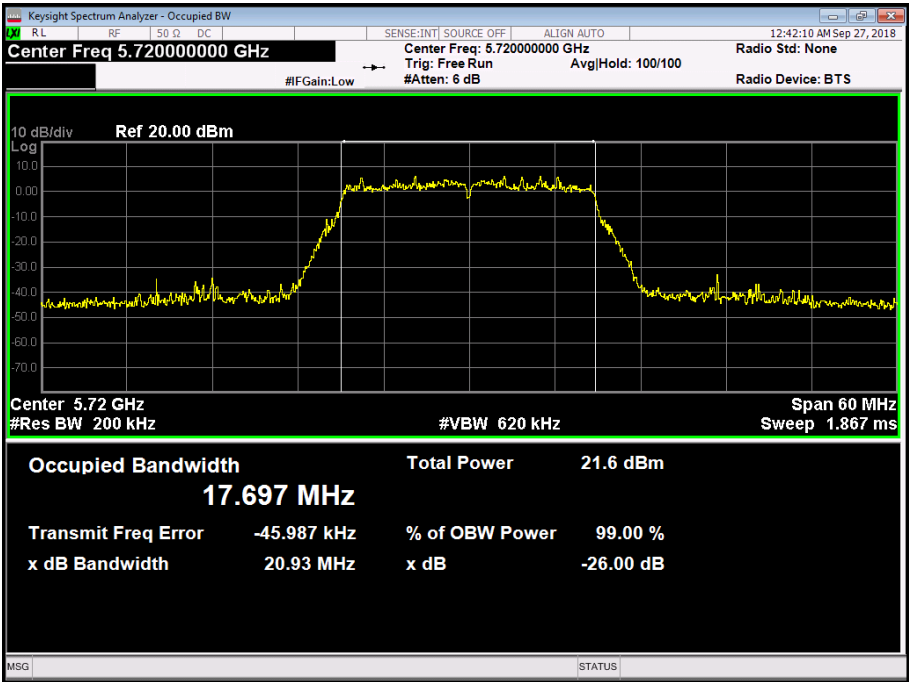


Figure 297 - 5720 MHz - 99% Occupied Bandwidth

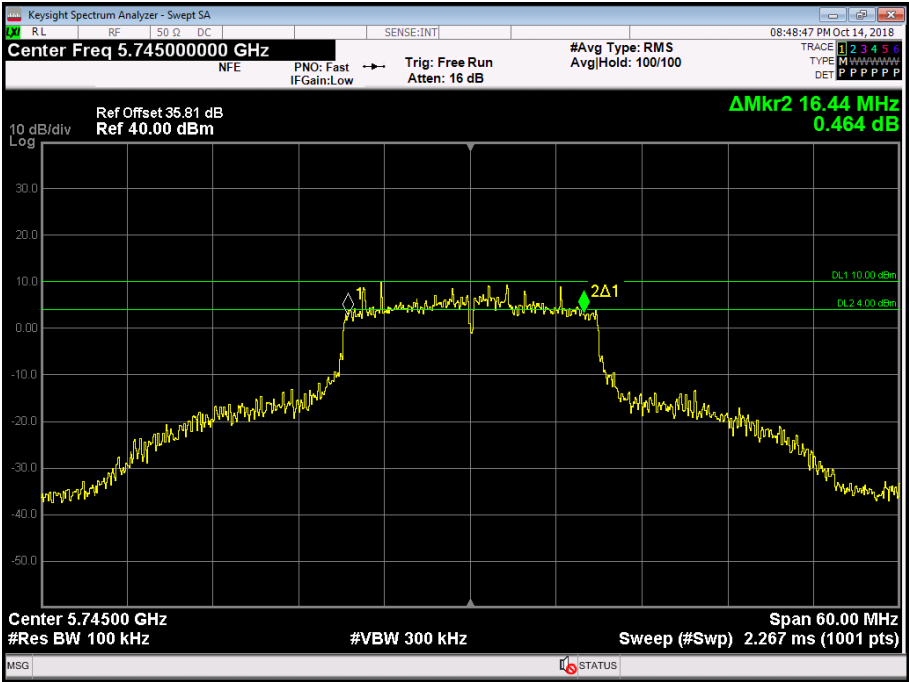


Figure 298 - 5745 MHz - 6 dB DTS Bandwidth



Product Service

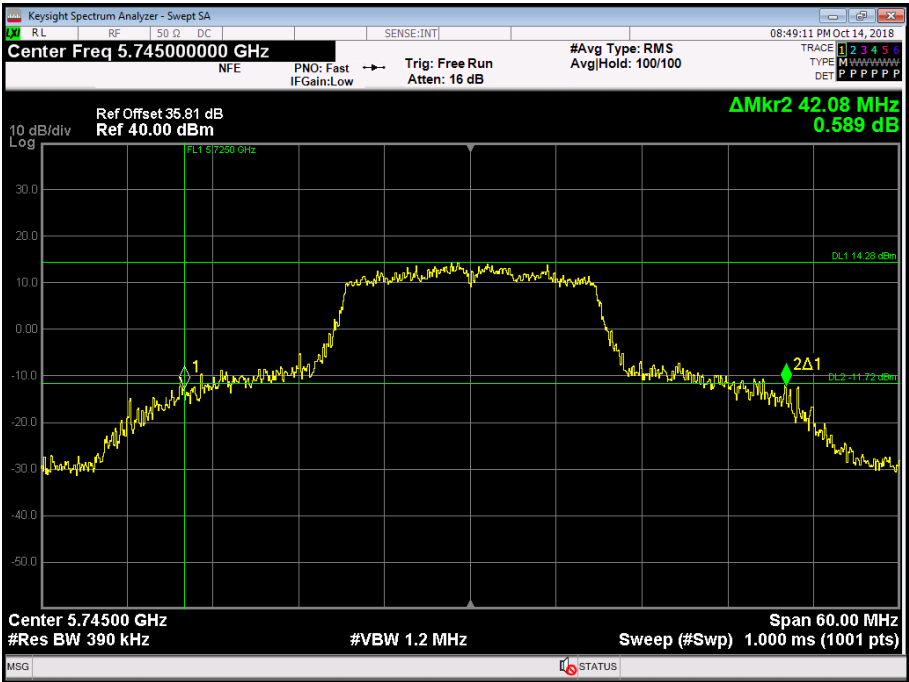


Figure 299 - 5745 MHz - 26 dB Emission Bandwidth

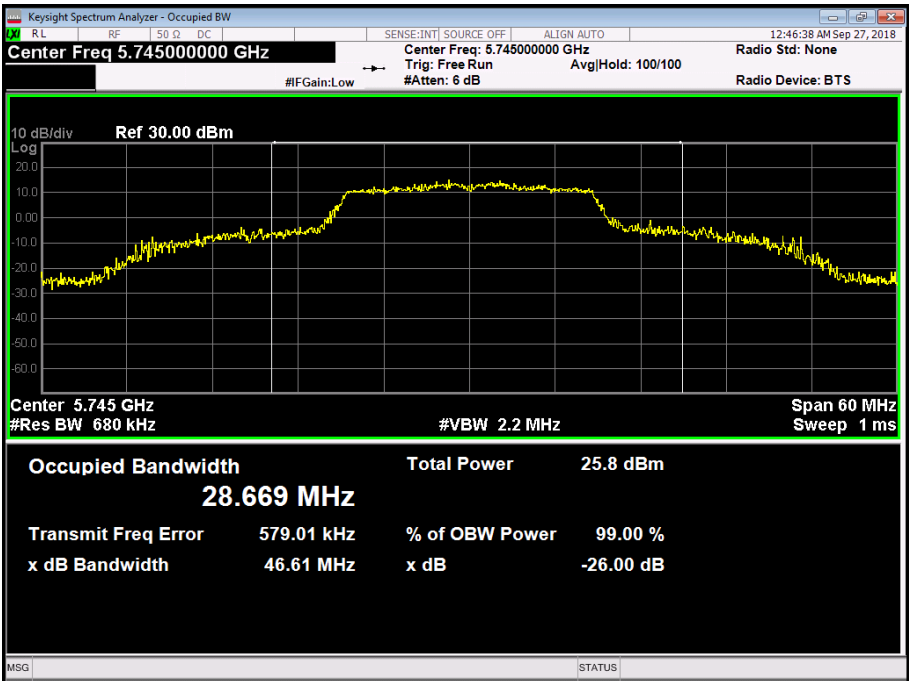


Figure 300 - 5745 MHz - 99% Occupied Bandwidth

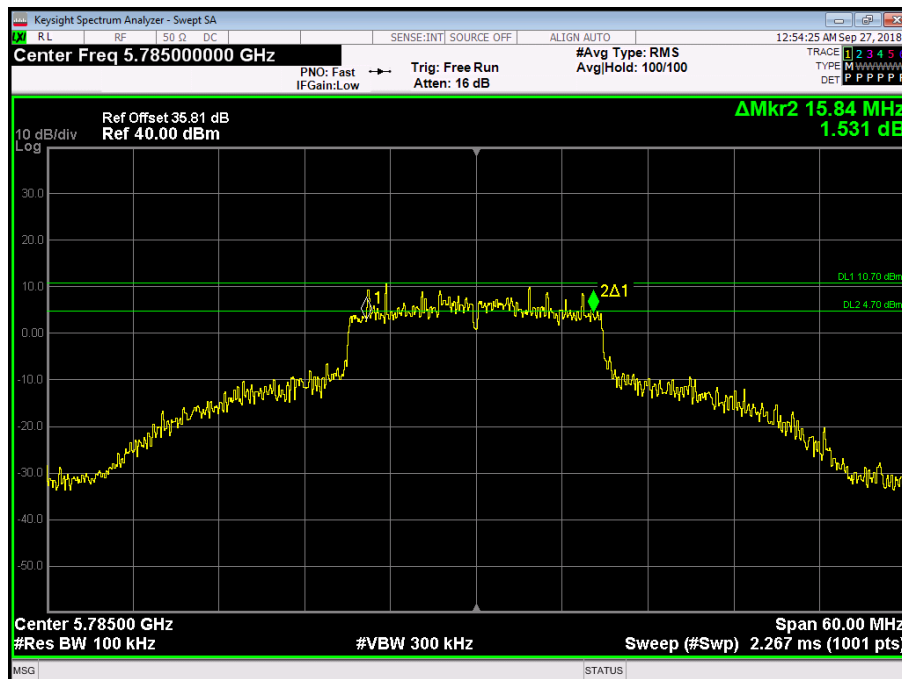


Figure 301 - 5785 MHz - 6 dB DTS Bandwidth

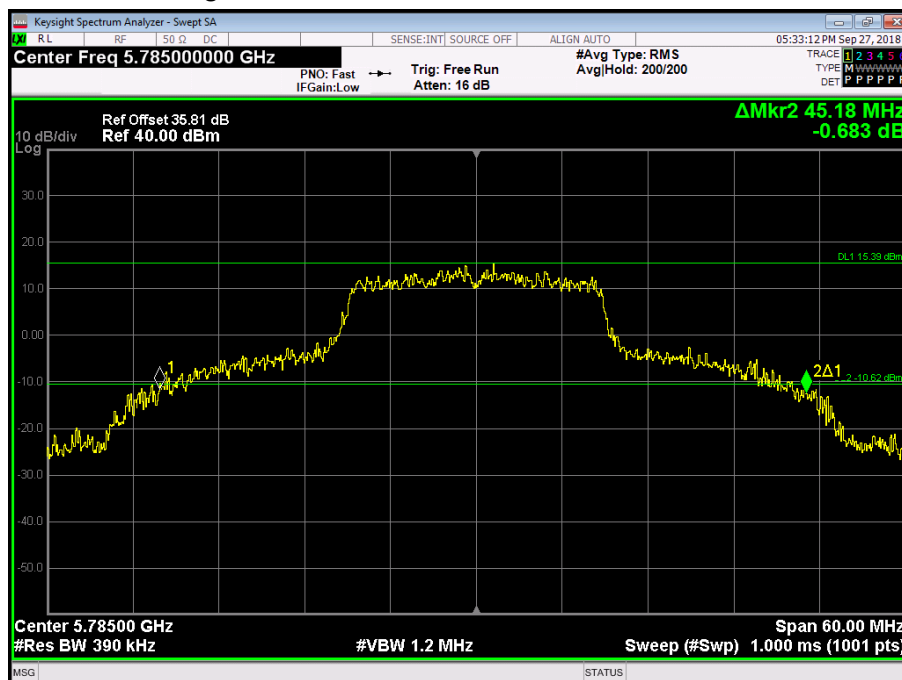


Figure 302 - 5785 MHz - 26 dB Emission Bandwidth



Product Service

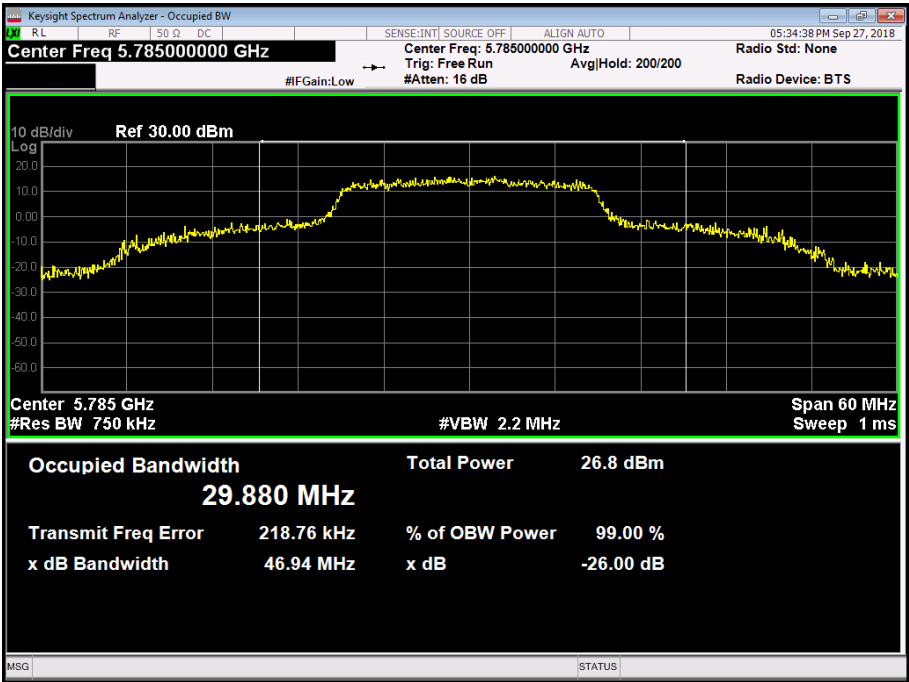


Figure 303 - 5785 MHz - 99% Occupied Bandwidth



Figure 304 - 5825 MHz - 6 dB DTS Bandwidth



Product Service

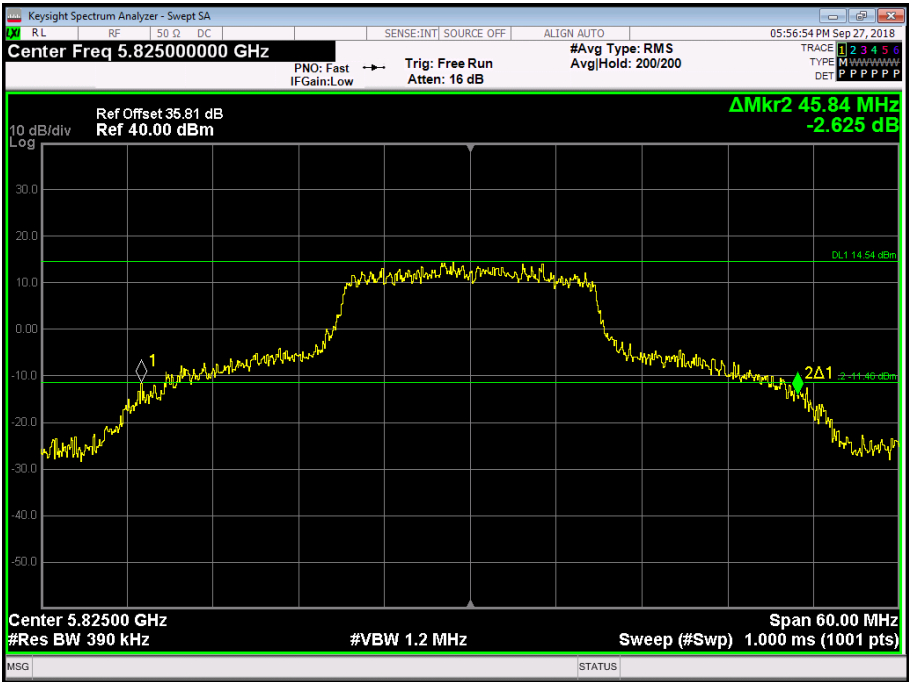


Figure 305 - 5825 MHz - 26 dB Emission Bandwidth

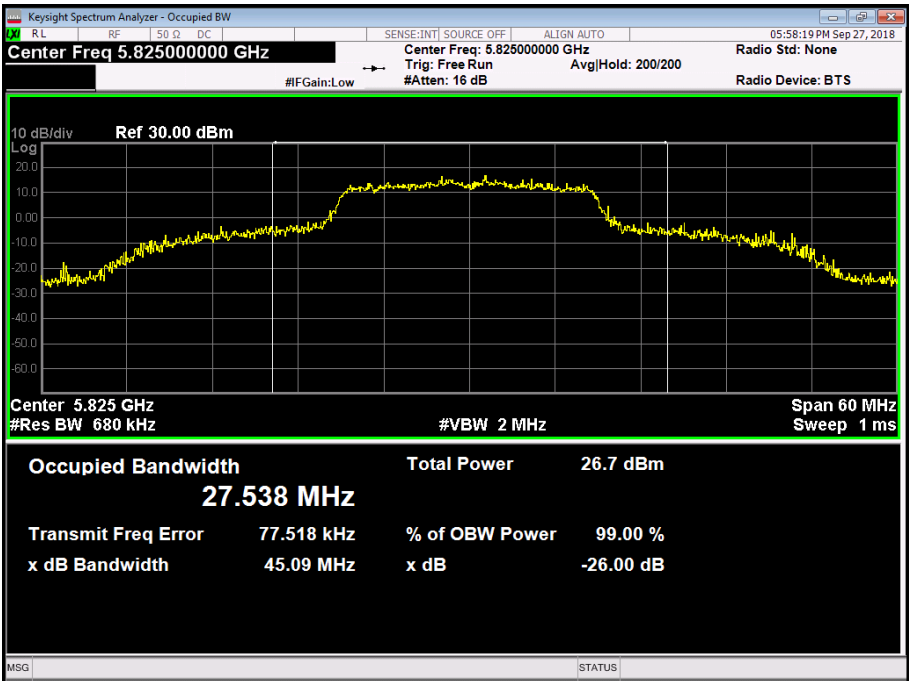


Figure 306 - 5825 MHz - 99% Occupied Bandwidth



802.11n / HT40 MCS0 / SISO / Core 1

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.360	36.360	36.600
26 dB Bandwidth (MHz)	5.160	41.400	87.000
99% Bandwidth (MHz)	36.515	36.740	36.909

Table 199

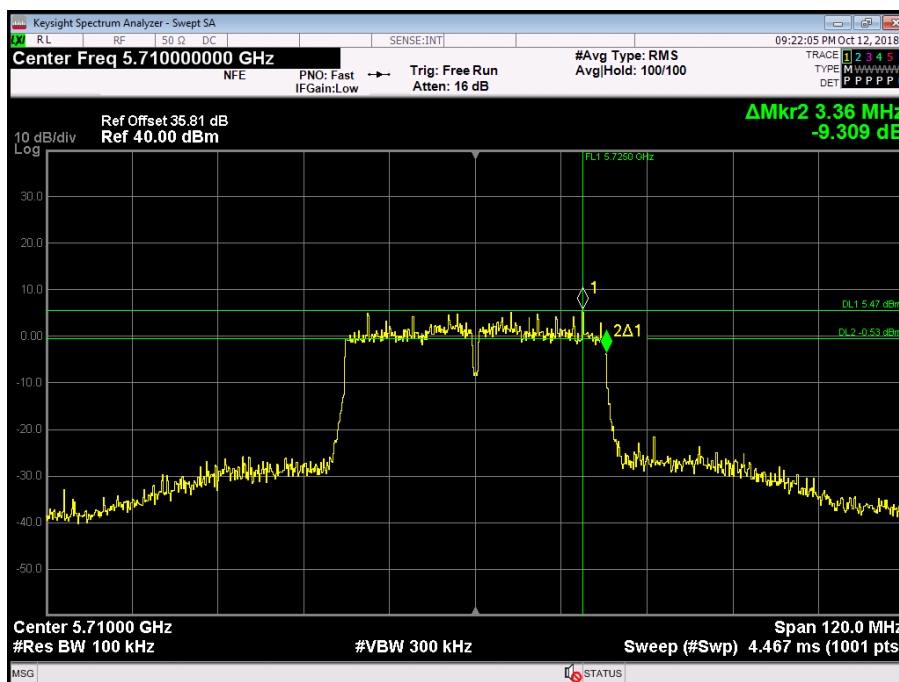


Figure 307 - 5710 MHz - 6 dB DTS Bandwidth

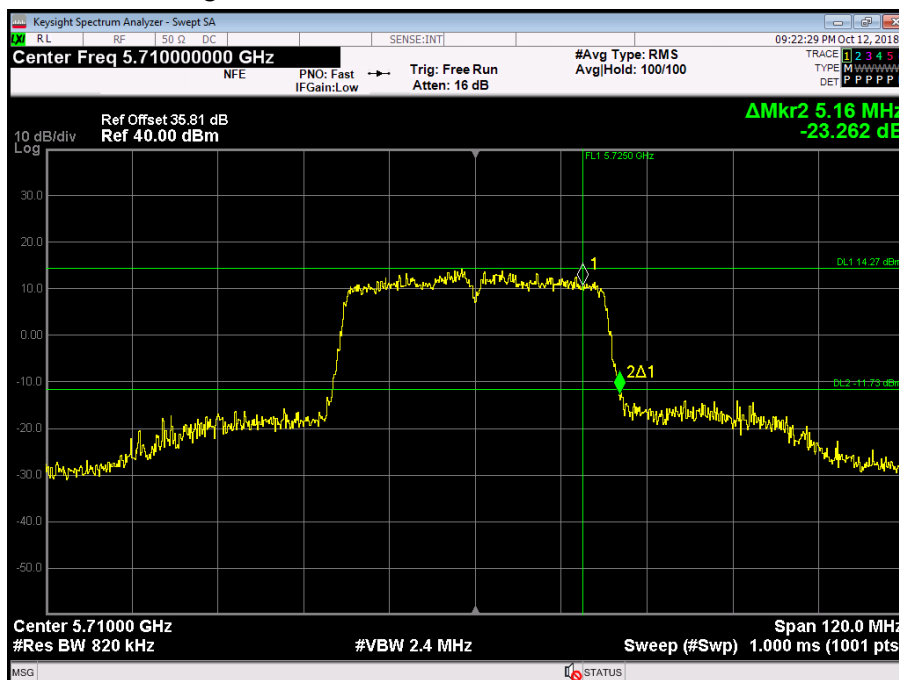


Figure 308 - 5710 MHz - 26 dB Emission Bandwidth



Product Service

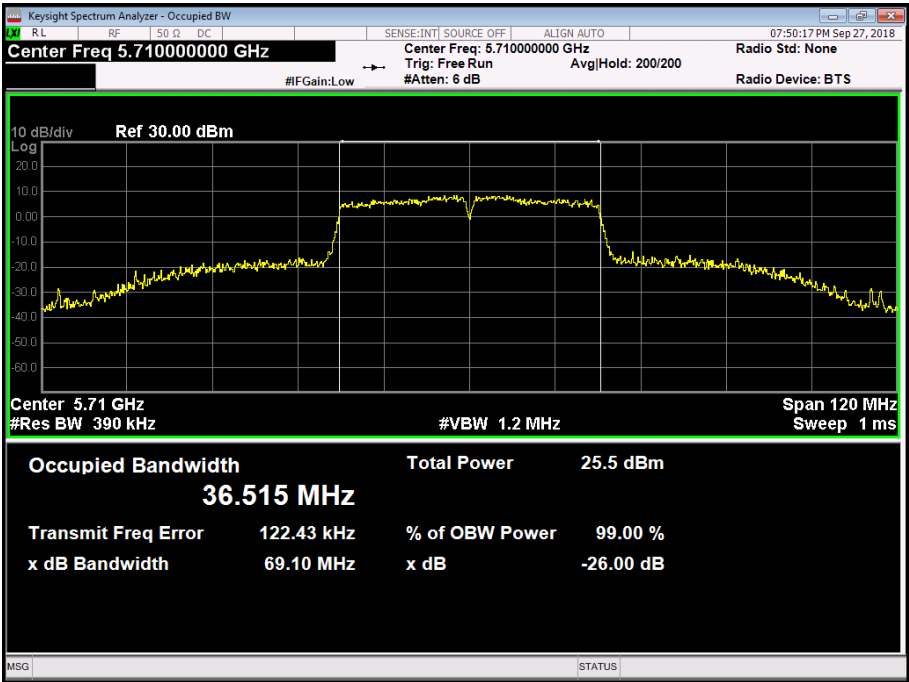


Figure 309 - 5710 MHz - 99% Occupied Bandwidth

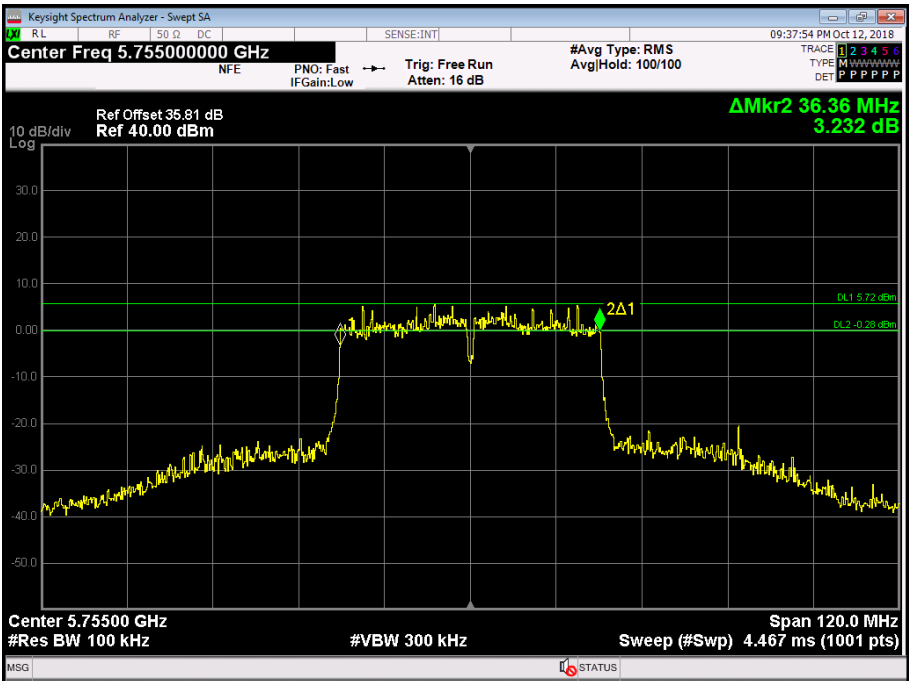


Figure 310 - 5755 MHz - 6 dB DTS Bandwidth



Product Service

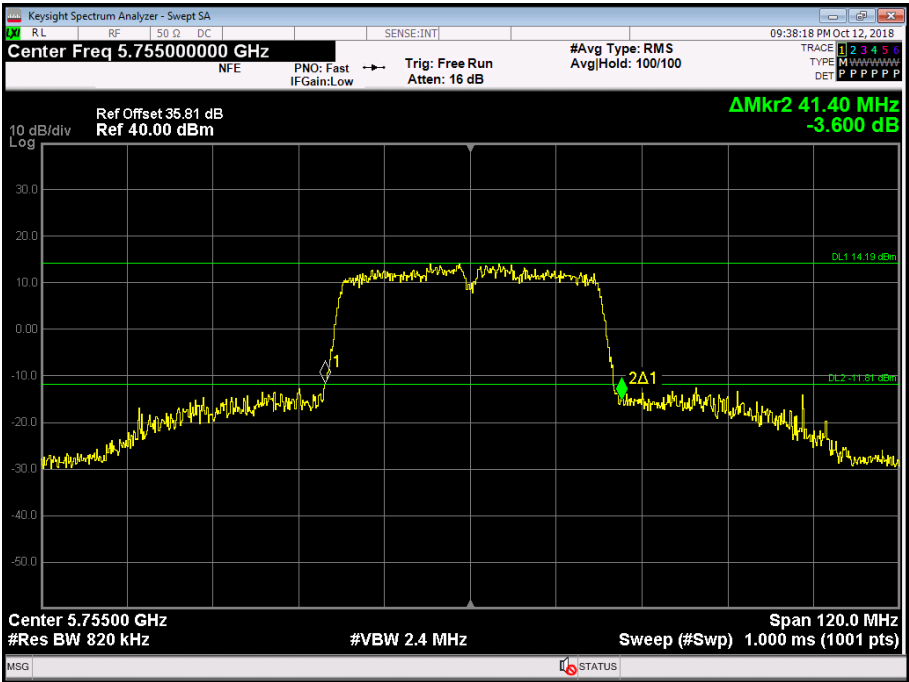


Figure 311 - 5755 MHz - 26 dB Emission Bandwidth

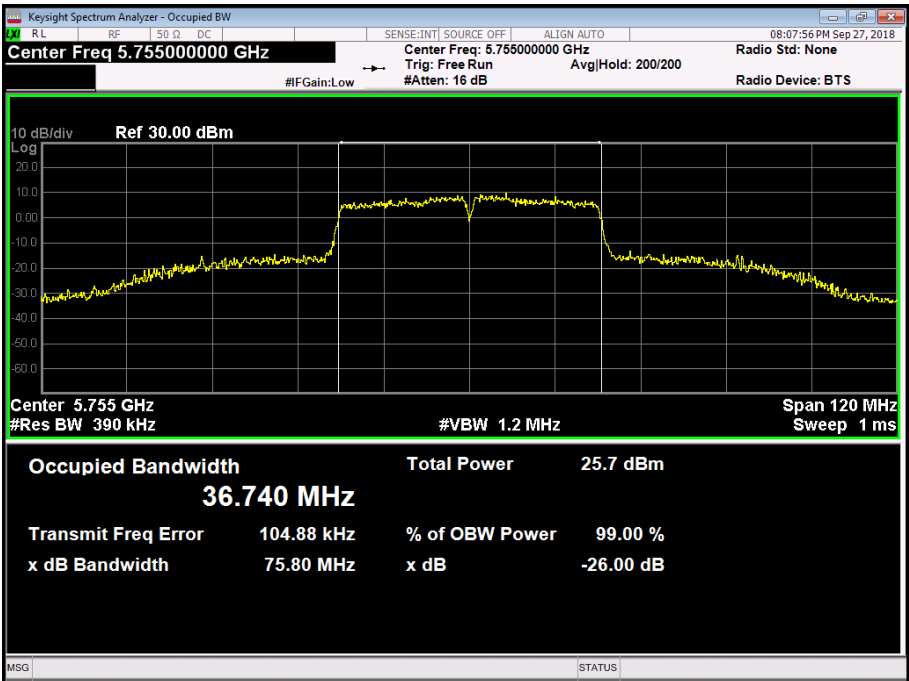


Figure 312 - 5755 MHz - 99% Occupied Bandwidth

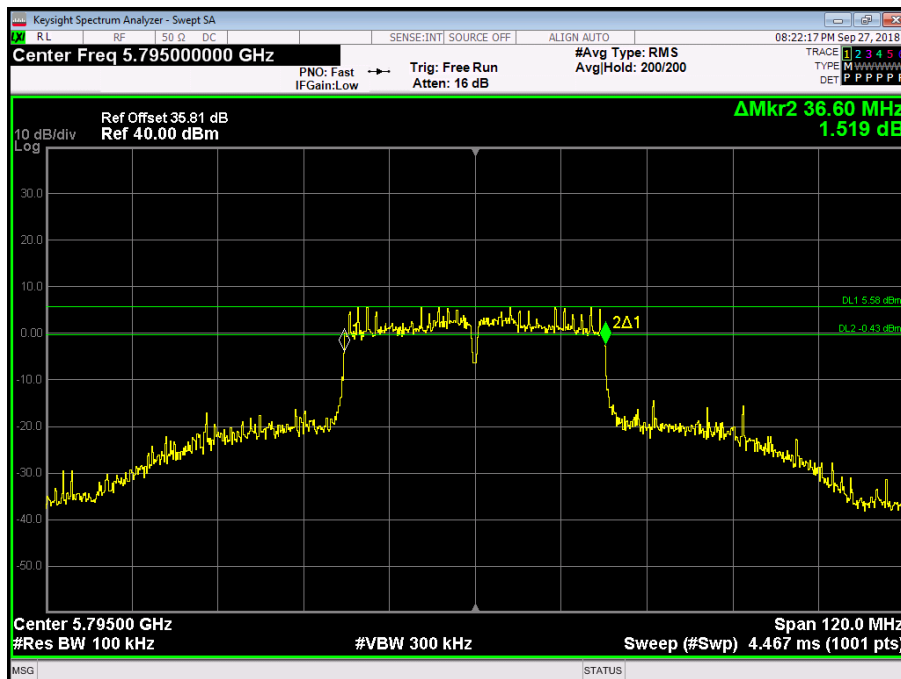


Figure 313 - 5795 MHz - 6 dB DTS Bandwidth



Figure 314 - 5795 MHz - 26 dB Emission Bandwidth



Product Service

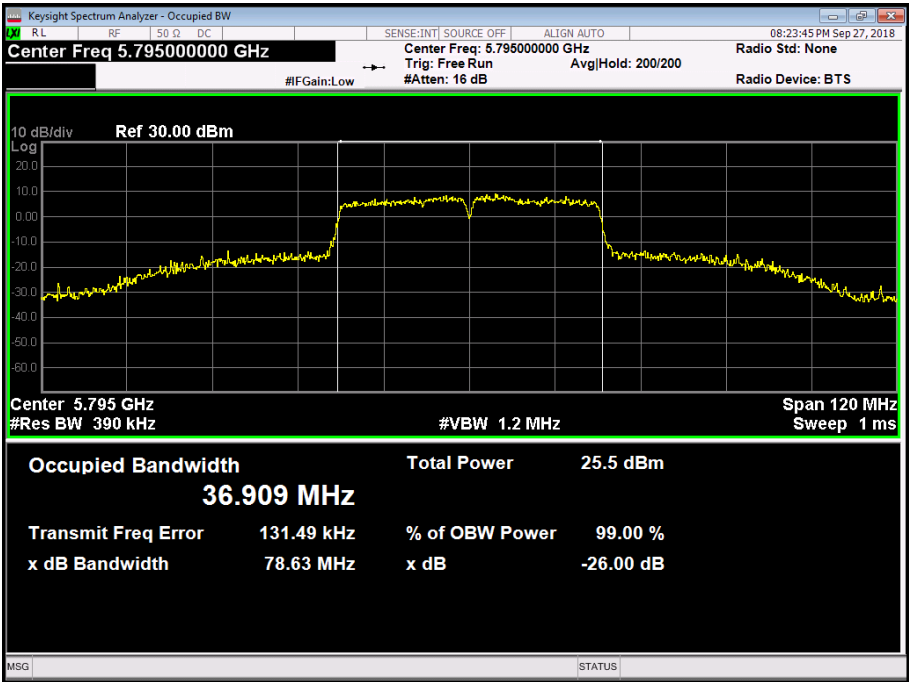


Figure 315 - 5795 MHz - 99% Occupied Bandwidth



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

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.120	35.640	36.480
26 dB Bandwidth (MHz)	21.000	70.440	89.640
99% Bandwidth (MHz)	36.617	36.843	45.260

Table 200

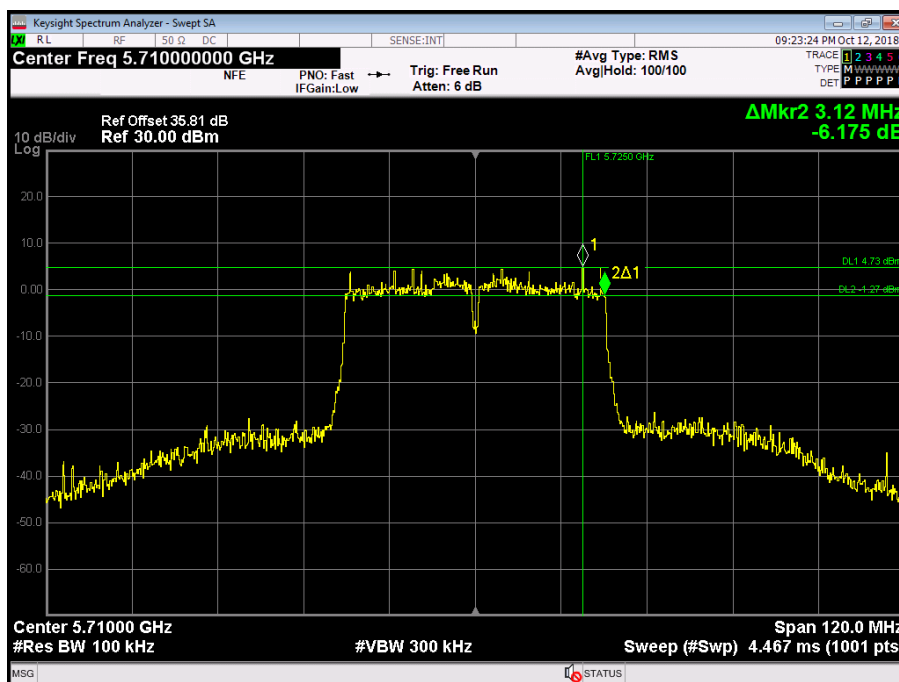


Figure 316 - 5710 MHz - 6 dB DTS Bandwidth

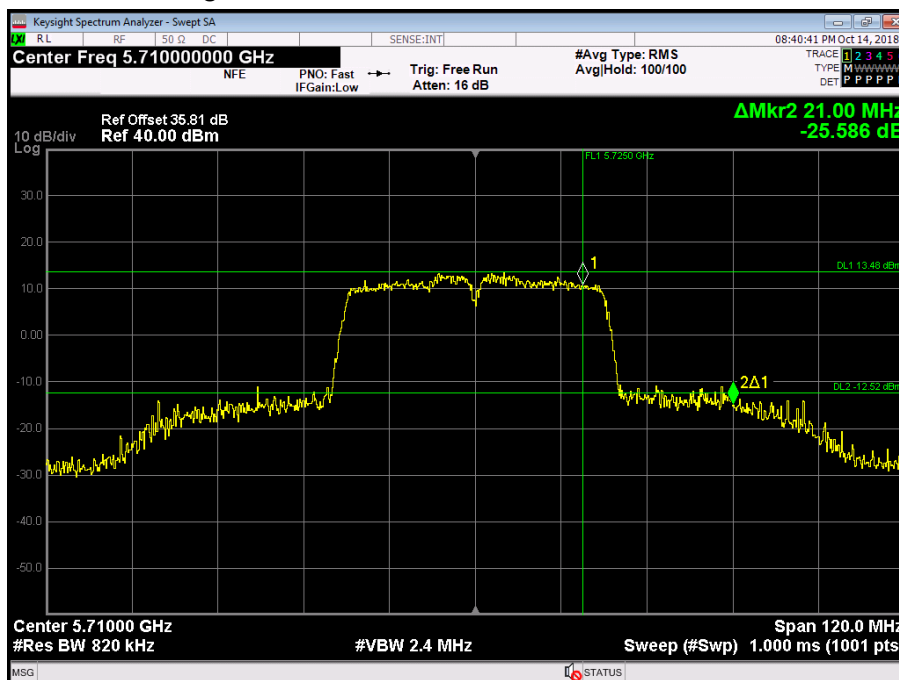


Figure 317 - 5710 MHz - 26 dB Emission Bandwidth



Product Service

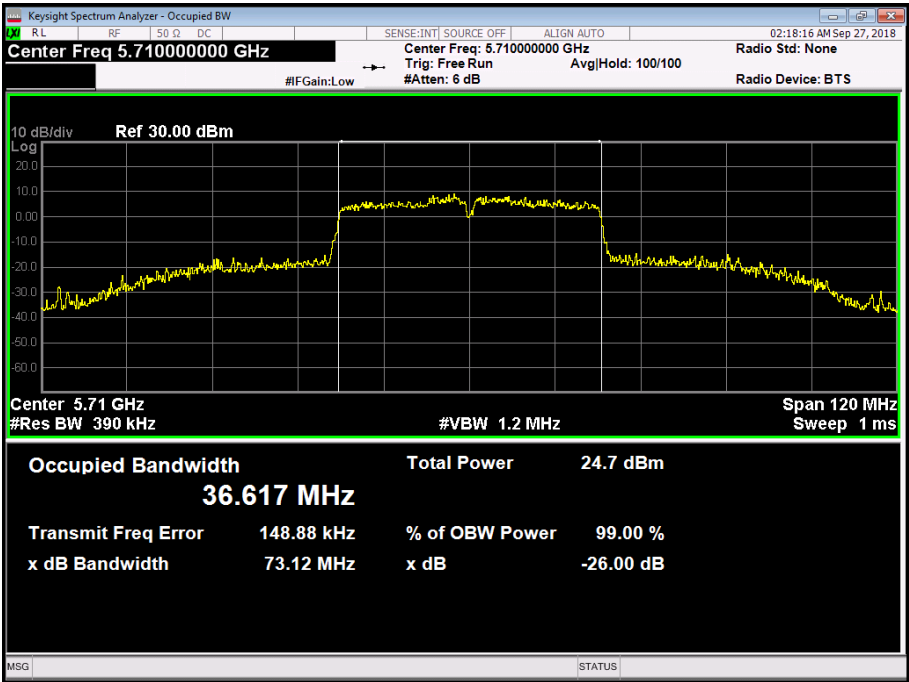


Figure 318 - 5710 MHz - 99% Occupied Bandwidth

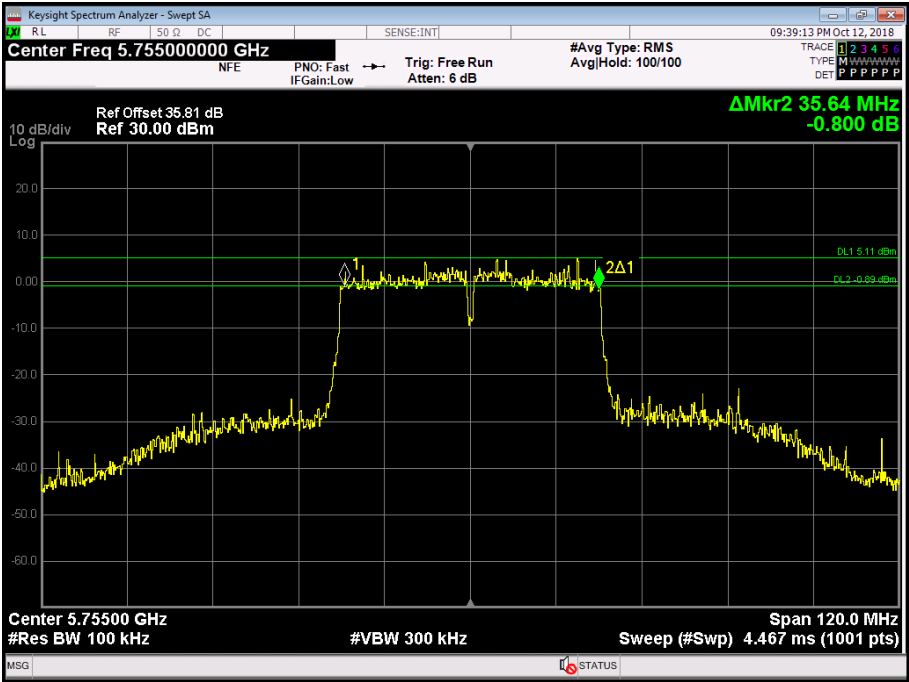


Figure 319 - 5755 MHz - 6 dB DTS Bandwidth



Product Service



Figure 320 - 5755 MHz - 26 dB Emission Bandwidth

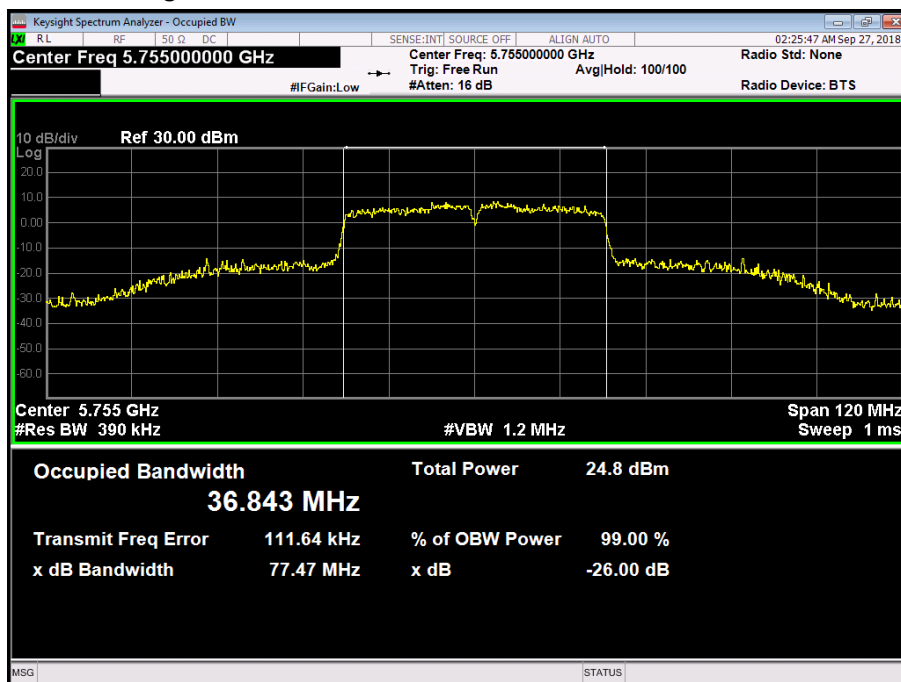


Figure 321 - 5755 MHz - 99% Occupied Bandwidth

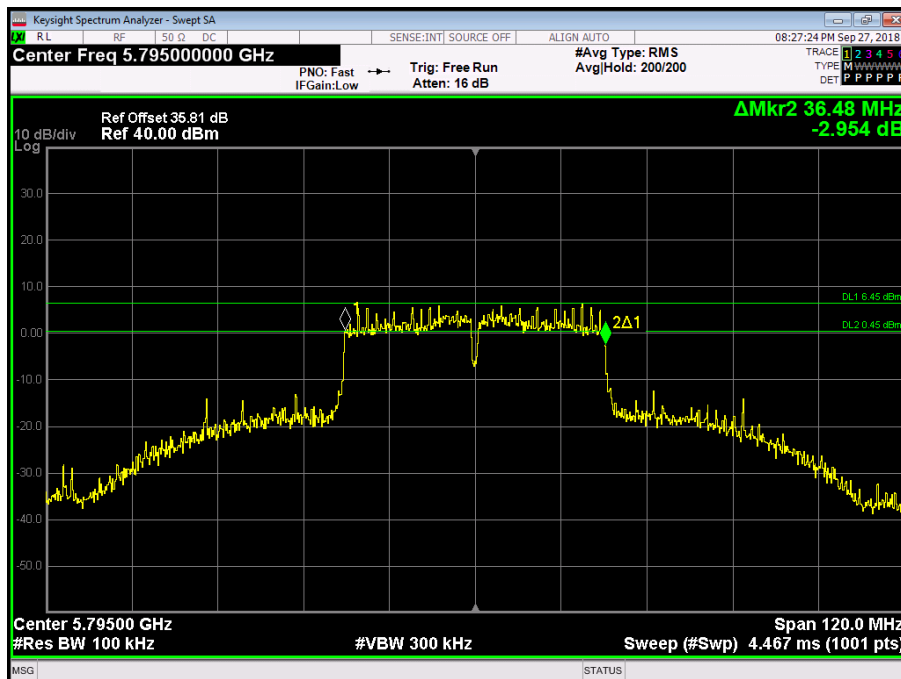


Figure 322 - 5795 MHz - 6 dB DTS Bandwidth

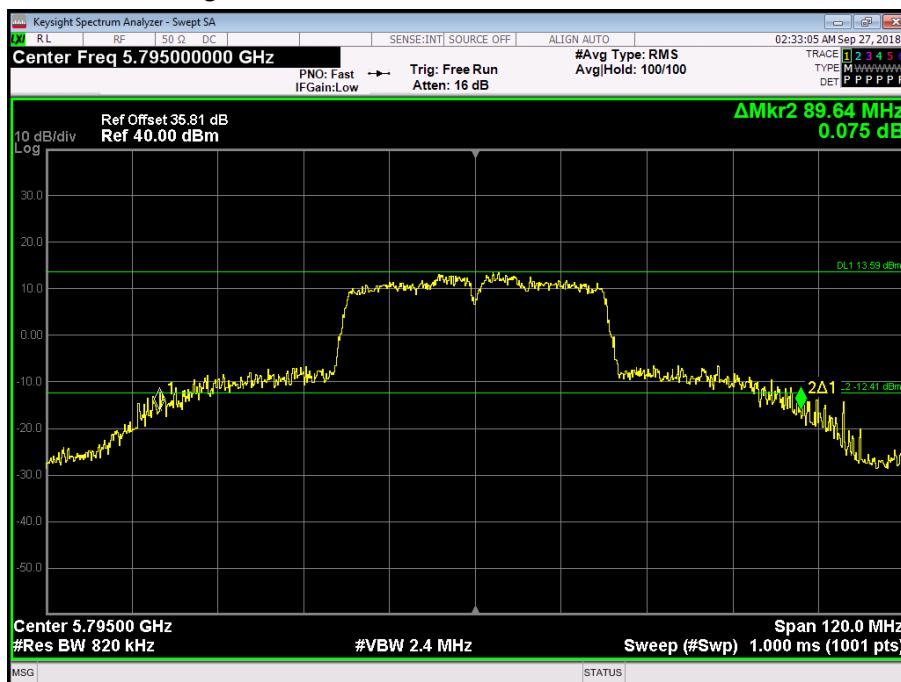


Figure 323 - 5795 MHz - 26 dB Emission Bandwidth



Product Service

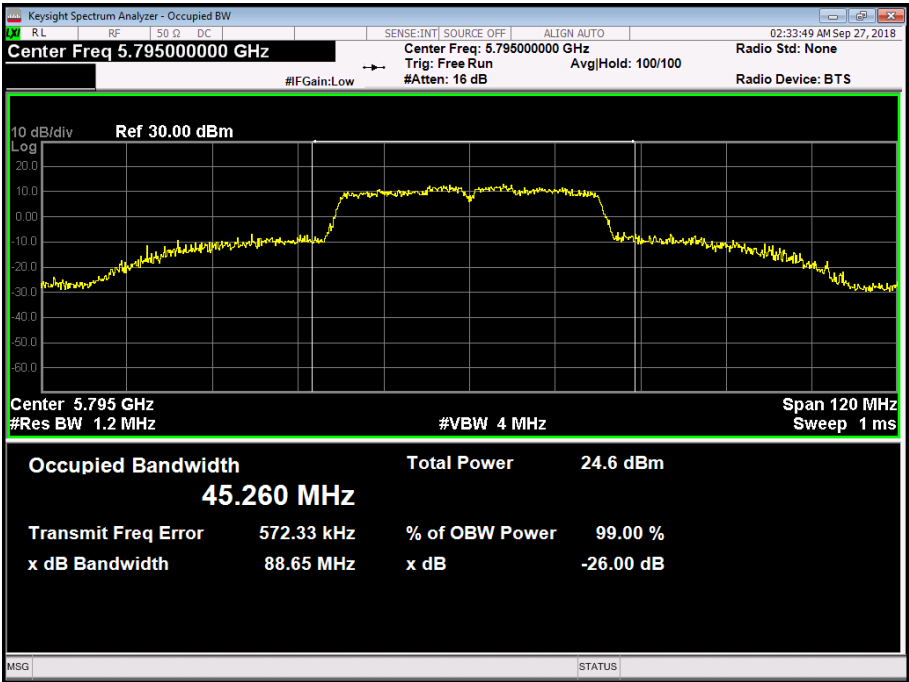


Figure 324 - 5795 MHz - 99% Occupied Bandwidth



802.11n / HT40 MCS8 / MIMO SDM / Cores 0+1

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.120	36.000	36.000
26 dB Bandwidth (MHz)	28.680	52.560	86.400
99% Bandwidth (MHz)	36.769	36.469	45.373

Table 201

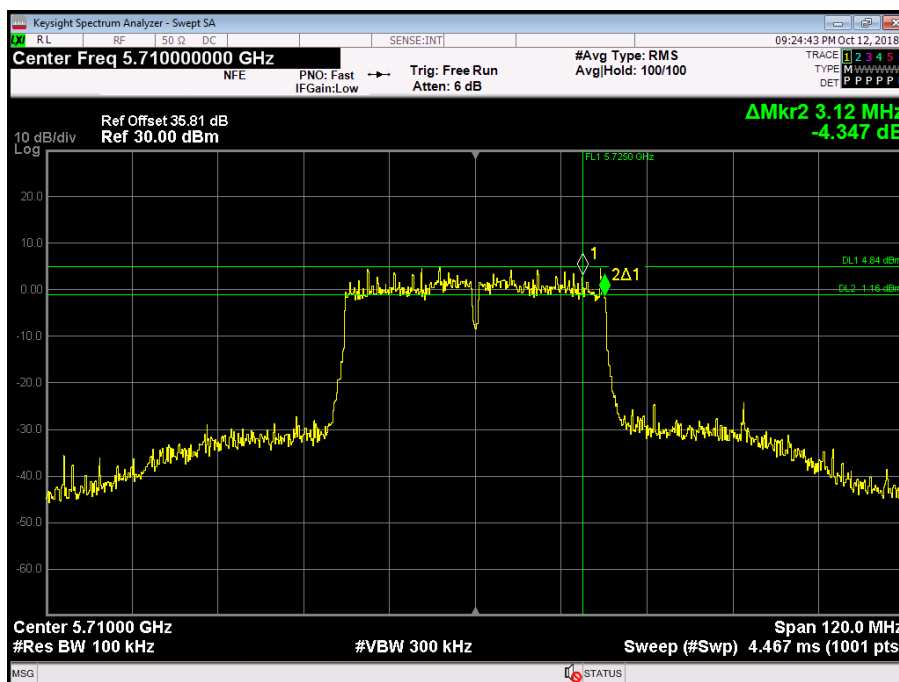


Figure 325 - 5710 MHz - 6 dB DTS Bandwidth



Figure 326 - 5710 MHz - 26 dB Emission Bandwidth



Product Service

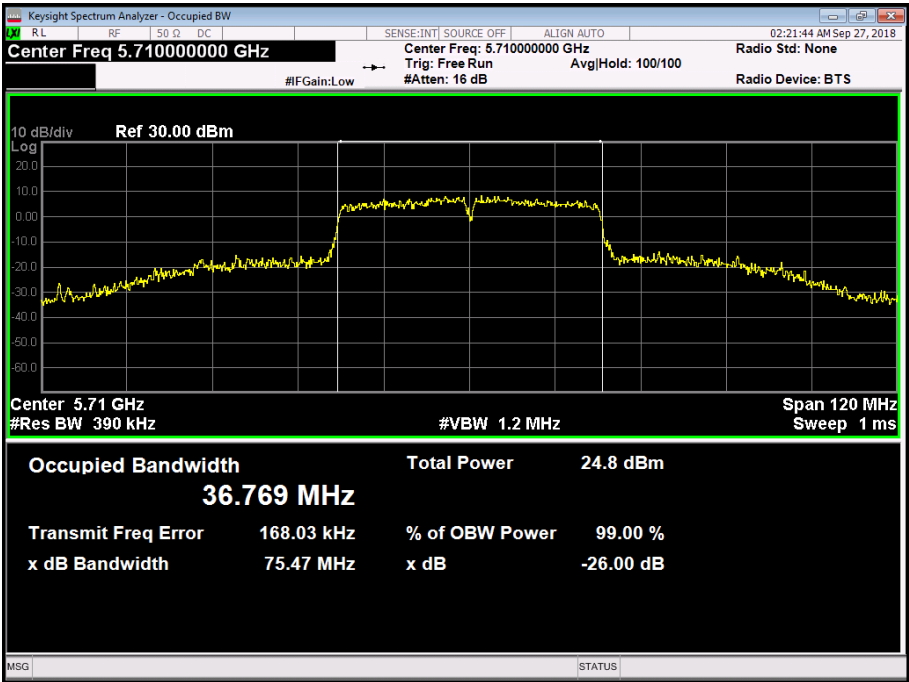


Figure 327 - 5710 MHz - 99% Occupied Bandwidth

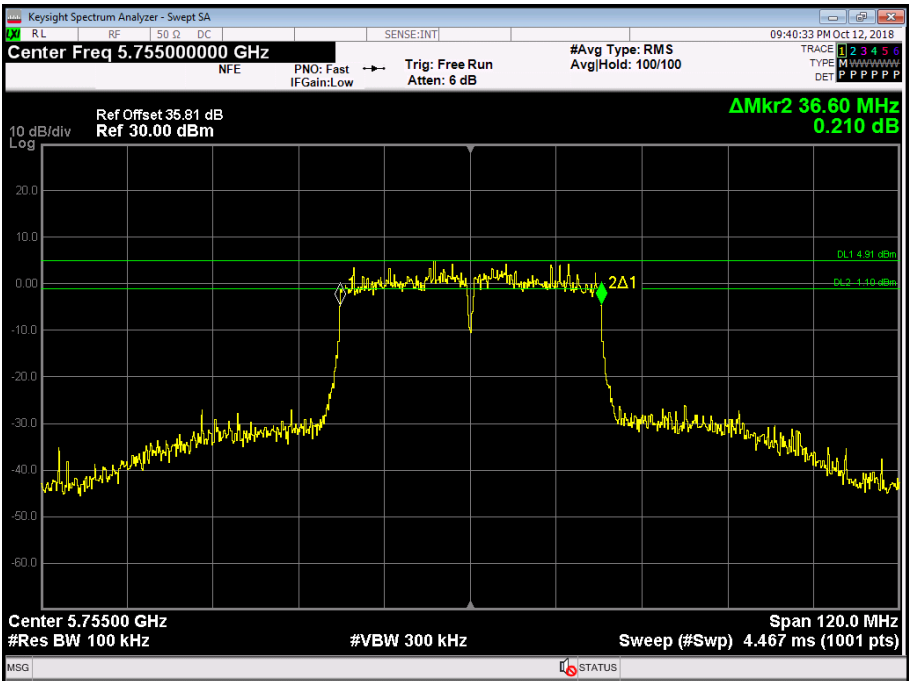


Figure 328 - 5755 MHz - 6 dB DTS Bandwidth



Product Service

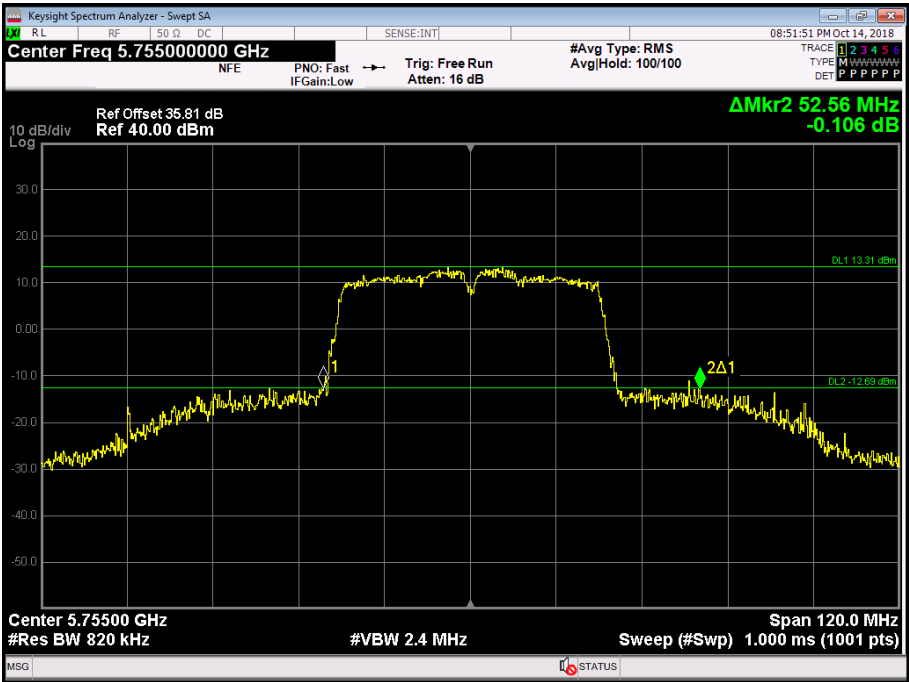


Figure 329 - 5755 MHz - 26 dB Emission Bandwidth

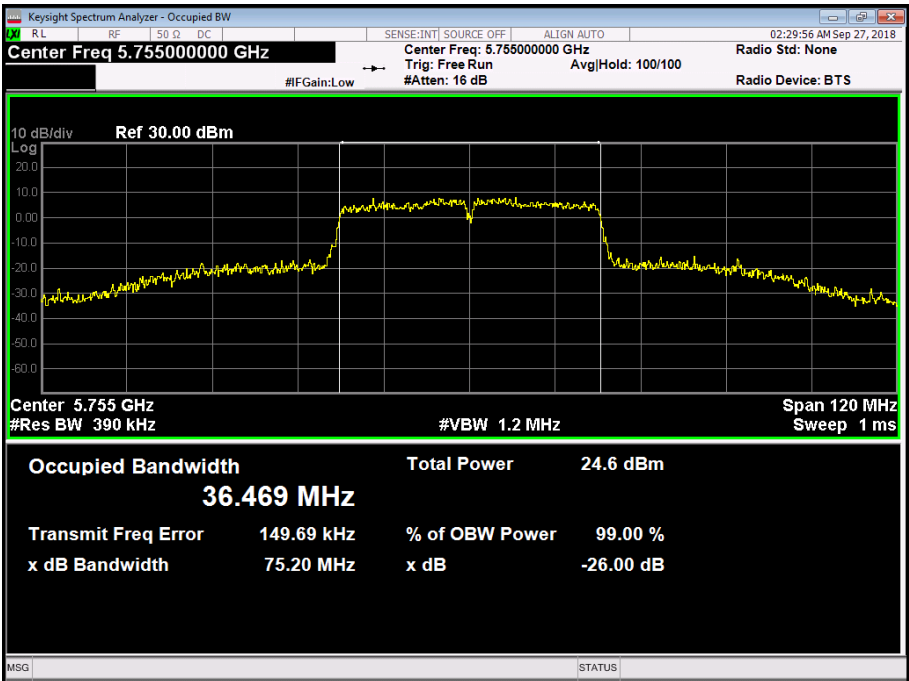


Figure 330 - 5755 MHz - 99% Occupied Bandwidth

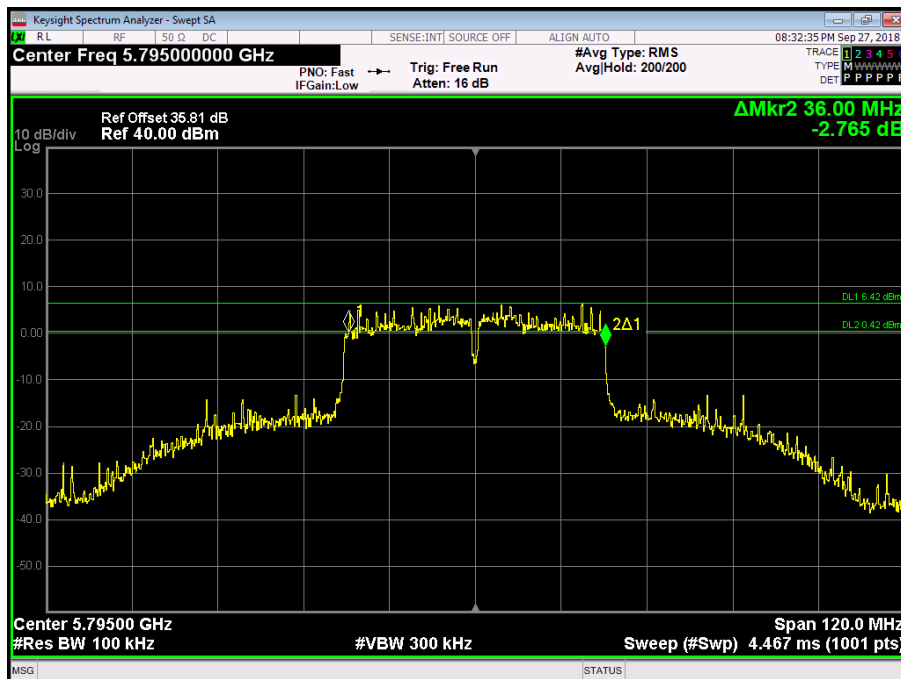


Figure 331 - 5795 MHz - 6 dB DTS Bandwidth

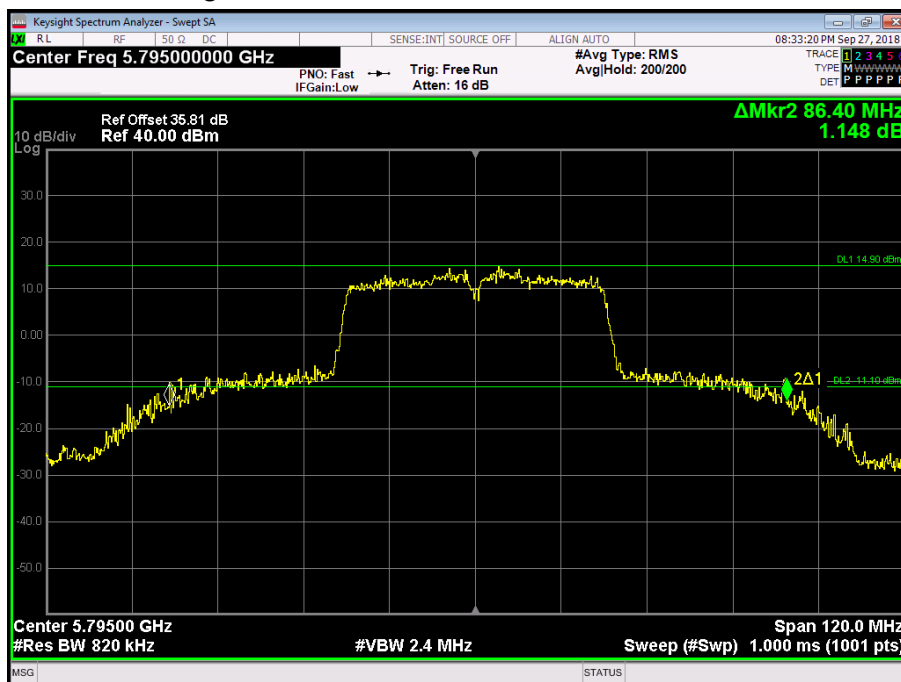


Figure 332 - 5795 MHz - 26 dB Emission Bandwidth



Product Service

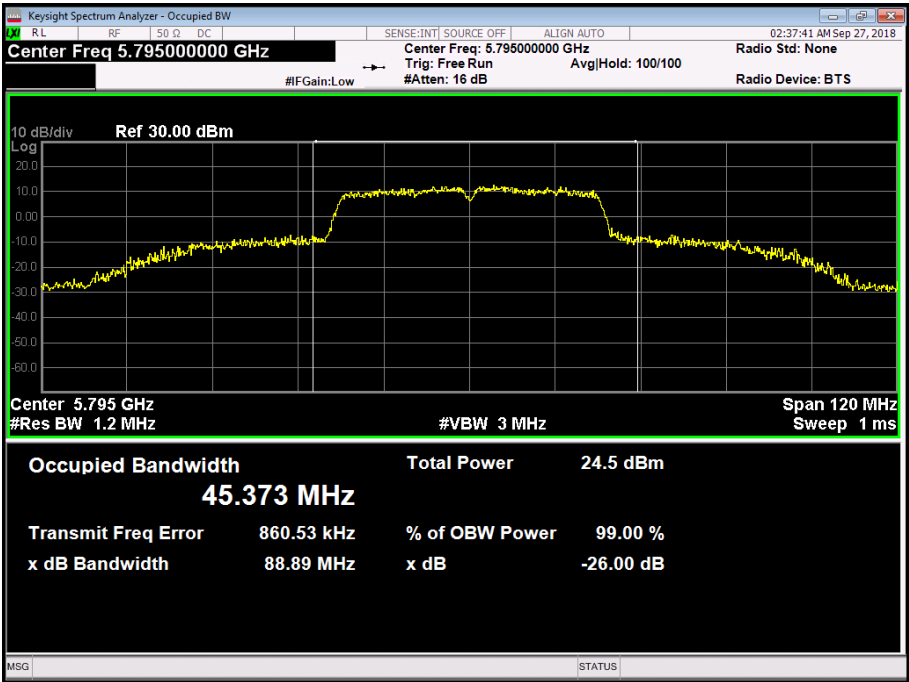


Figure 333 - 5795 MHz - 99% Occupied Bandwidth



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

Channel	Straddle	Bottom	Middle	Top
Frequency (MHz)	5720	5745	5785	5825
6 dB Bandwidth (MHz)	3.880	16.800	17.340	17.280
26 dB Bandwidth (MHz)	6.100	38.660	45.720	43.980
99% Bandwidth (MHz)	17.777	22.894	29.854	27.343

Table 202

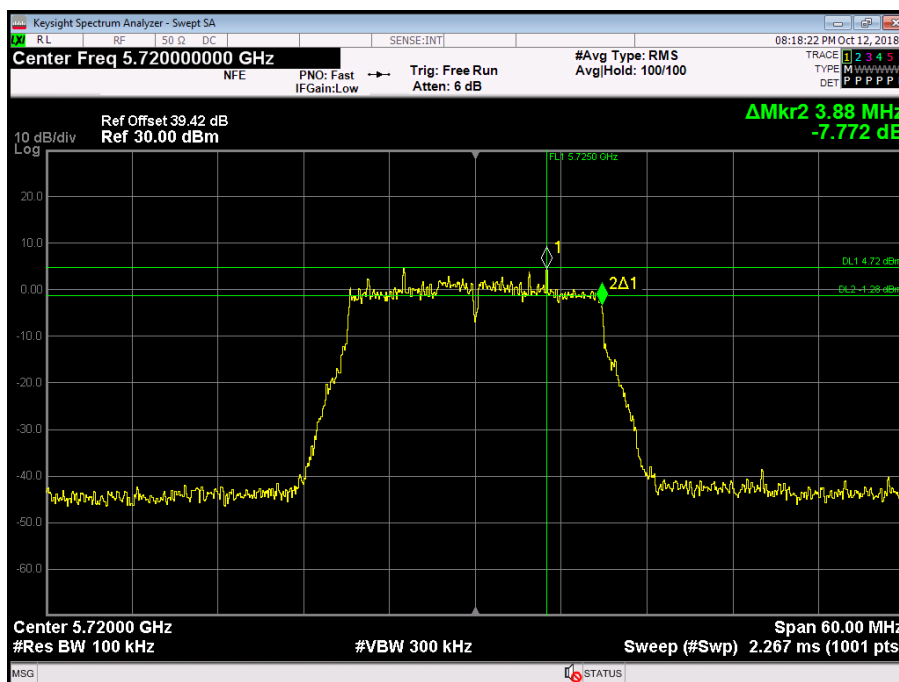


Figure 334 - 5720 MHz - 6 dB DTS Bandwidth



Figure 335 - 5720 MHz - 26 dB Emission Bandwidth



Product Service

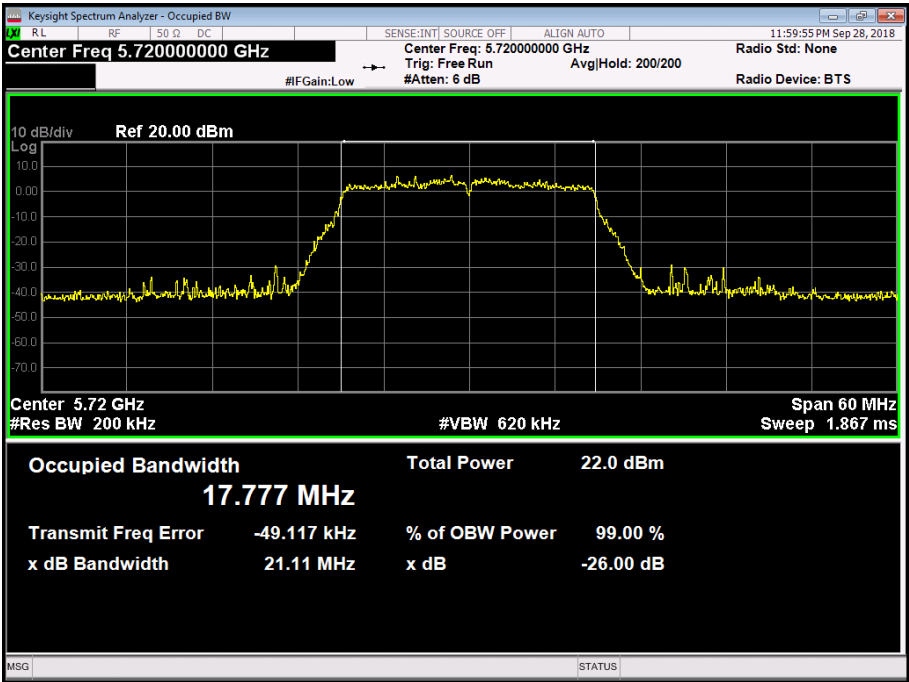


Figure 336 - 5720 MHz - 99% Occupied Bandwidth

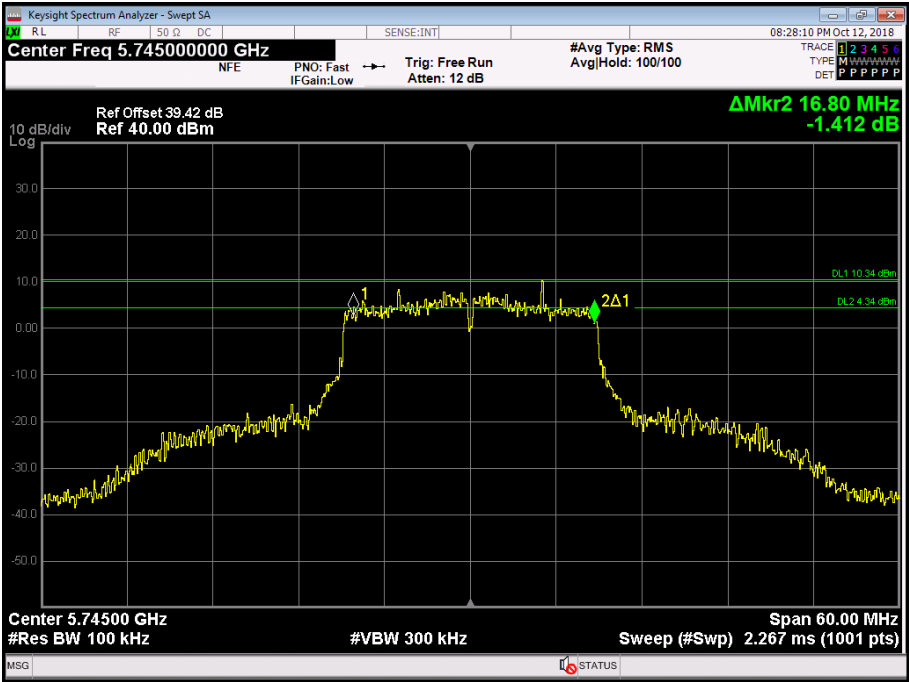


Figure 337 - 5745 MHz - 6 dB DTS Bandwidth



Product Service

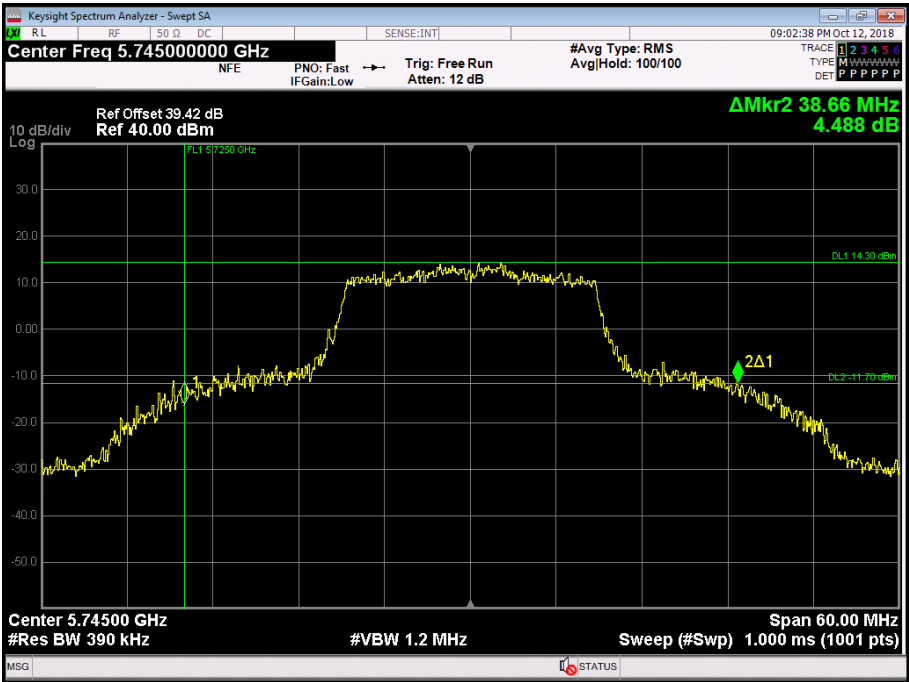


Figure 338 - 5745 MHz - 26 dB Emission Bandwidth

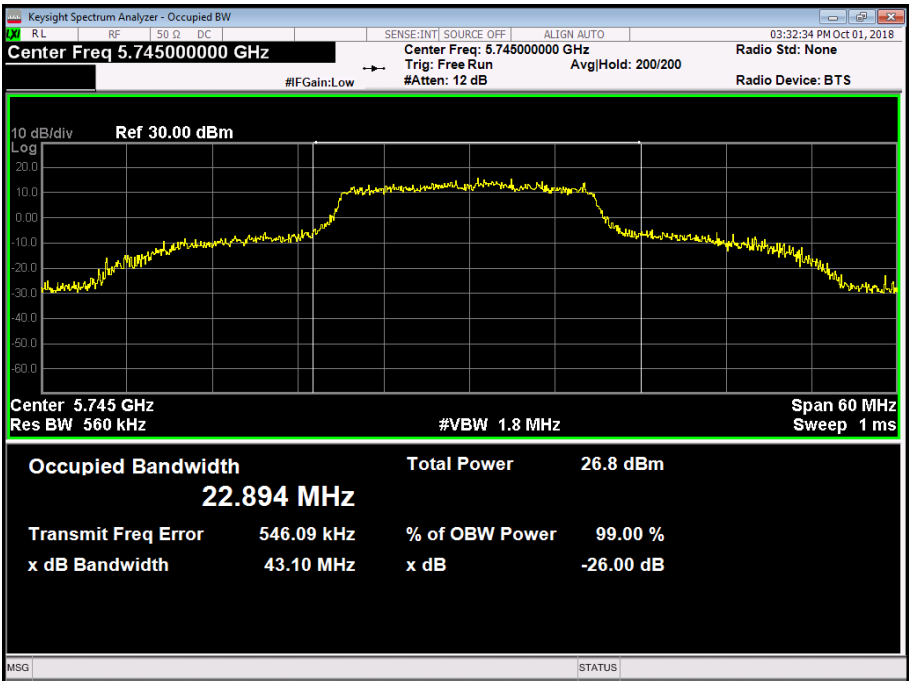


Figure 339 - 5745 MHz - 99% Occupied Bandwidth

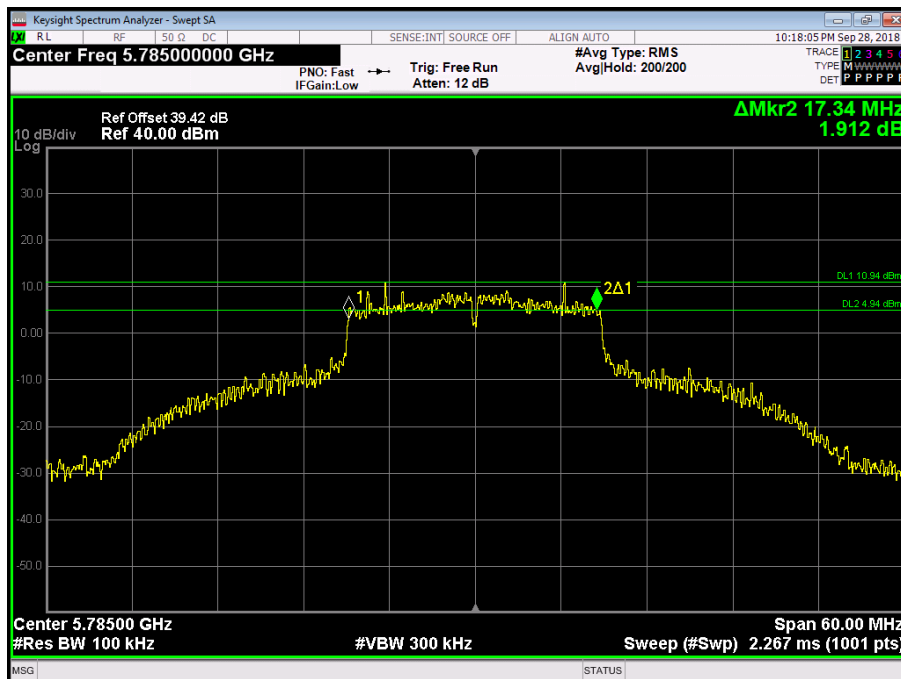


Figure 340 - 5785 MHz - 6 dB DTS Bandwidth

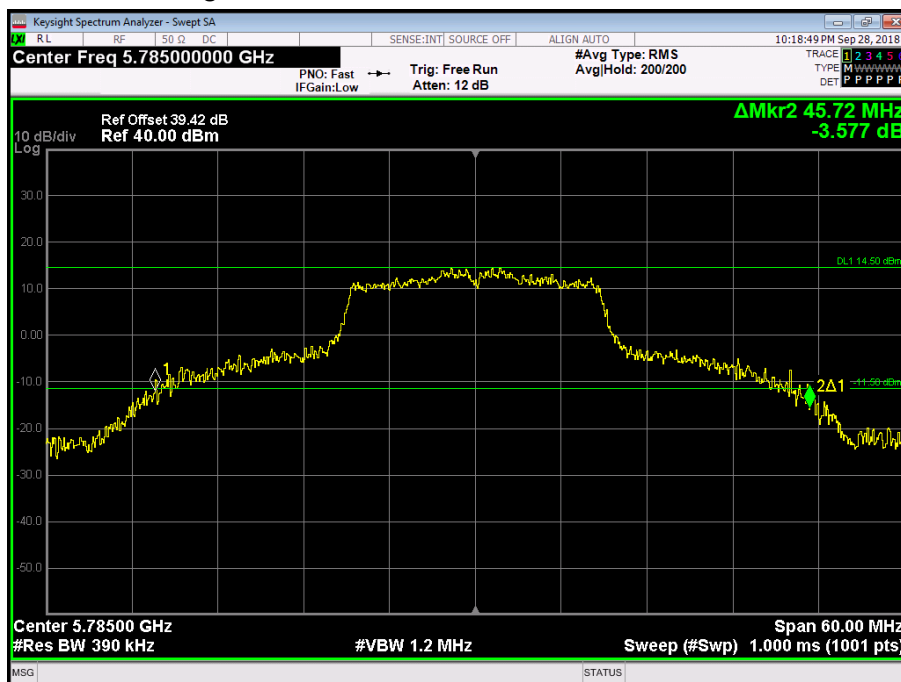


Figure 341 - 5785 MHz - 26 dB Emission Bandwidth



Product Service

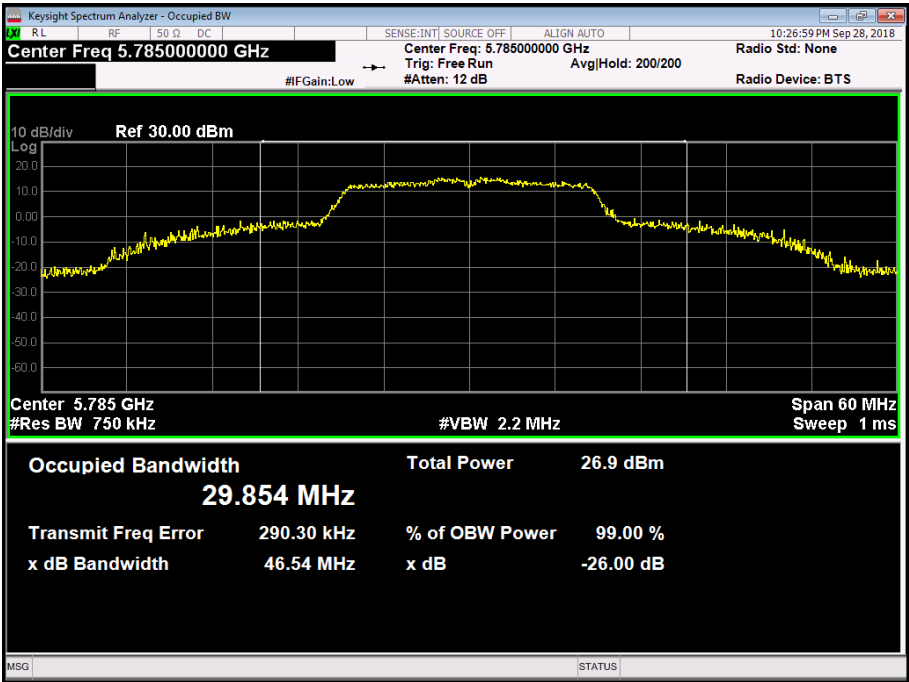


Figure 342 - 5785 MHz - 99% Occupied Bandwidth

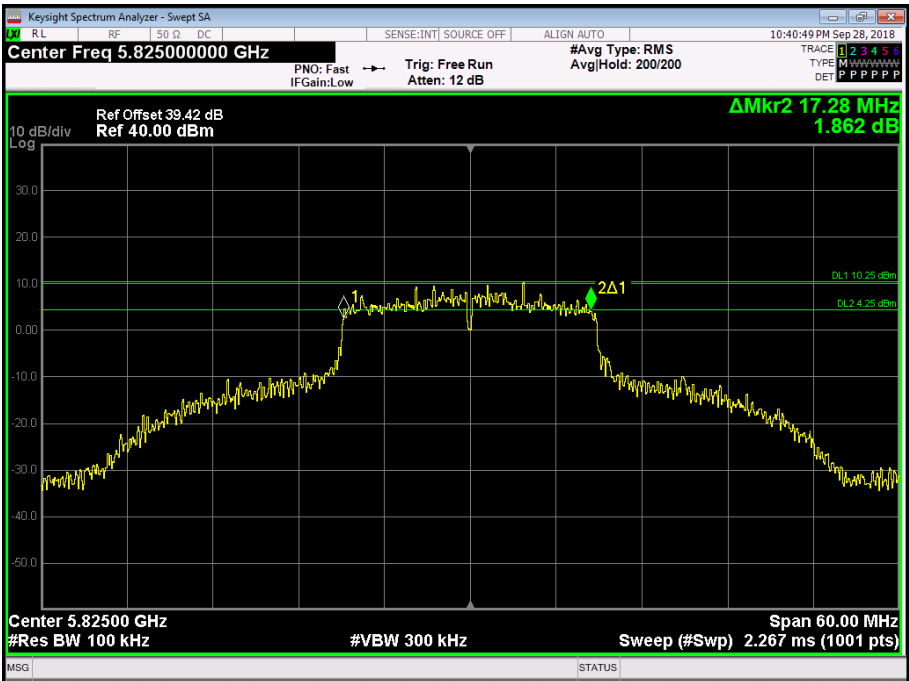


Figure 343 - 5825 MHz - 6 dB DTS Bandwidth



Figure 344 - 5825 MHz - 26 dB Emission Bandwidth

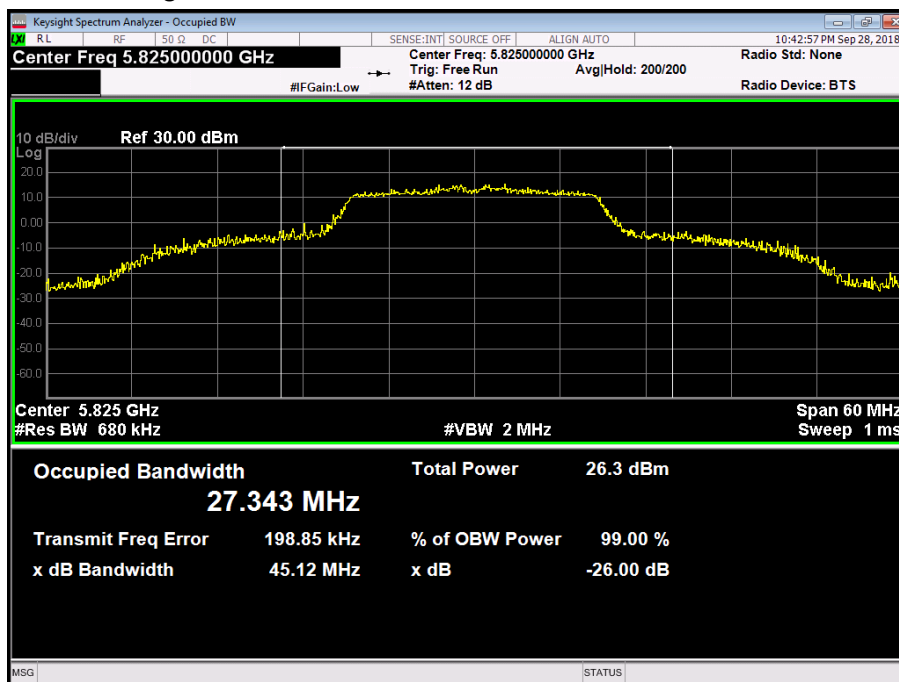


Figure 345 - 5825 MHz - 99% Occupied Bandwidth



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

Channel	Straddle	Bottom	Top
Frequency (MHz)	5710	5755	5795
6 dB Bandwidth (MHz)	3.360	35.520	35.400
26 dB Bandwidth (MHz)	9.960	43.080	80.280
99% Bandwidth (MHz)	37.066	36.187	36.679

Table 203



Figure 346 - 5710 MHz - 6 dB DTS Bandwidth



Figure 347 - 5710 MHz - 26 dB Emission Bandwidth



Product Service

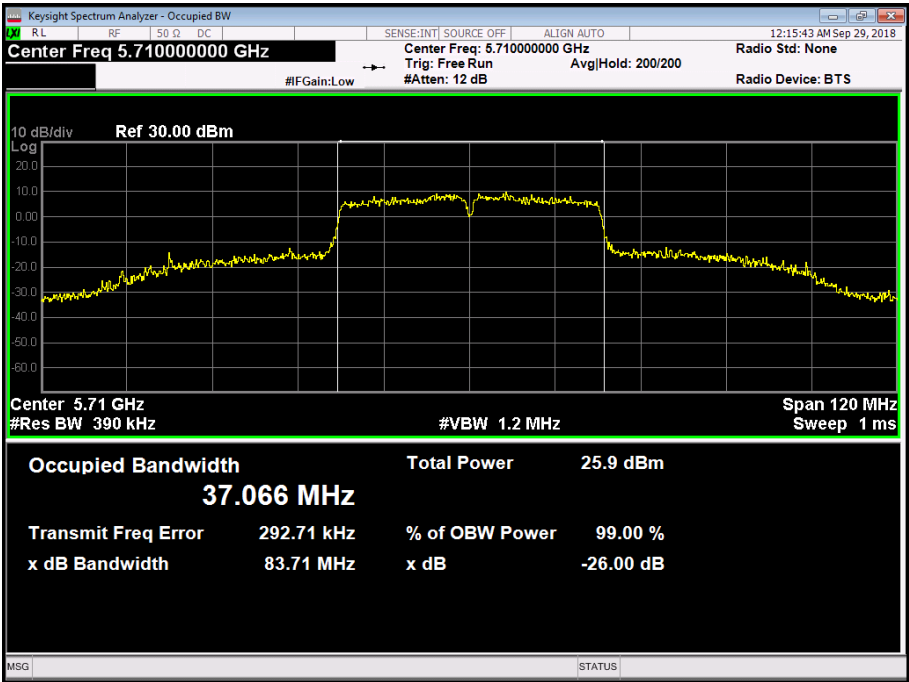


Figure 348 - 5710 MHz - 99% Occupied Bandwidth

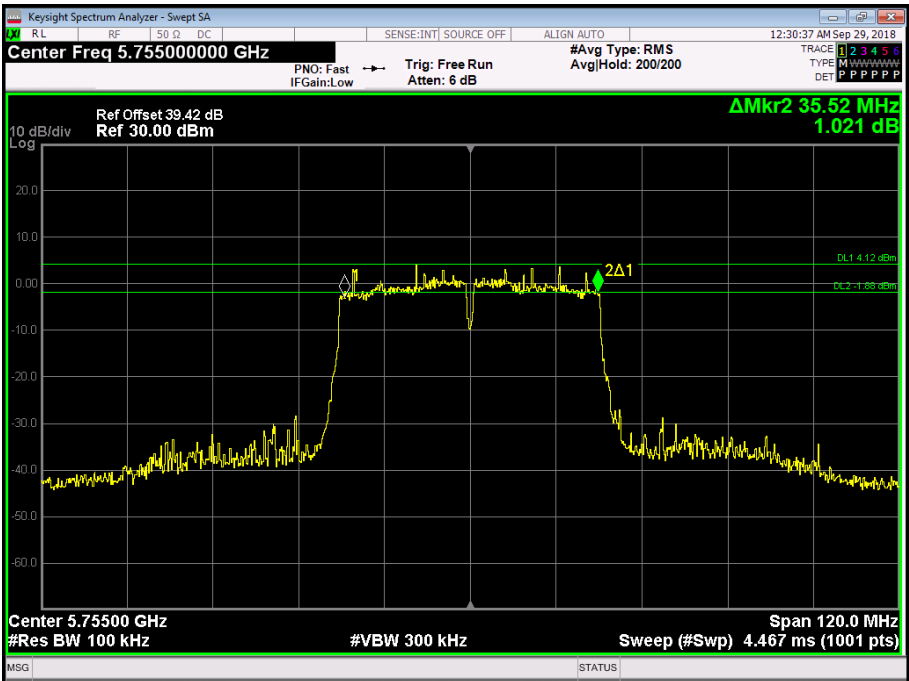


Figure 349 - 5755 MHz - 6 dB DTS Bandwidth



Product Service

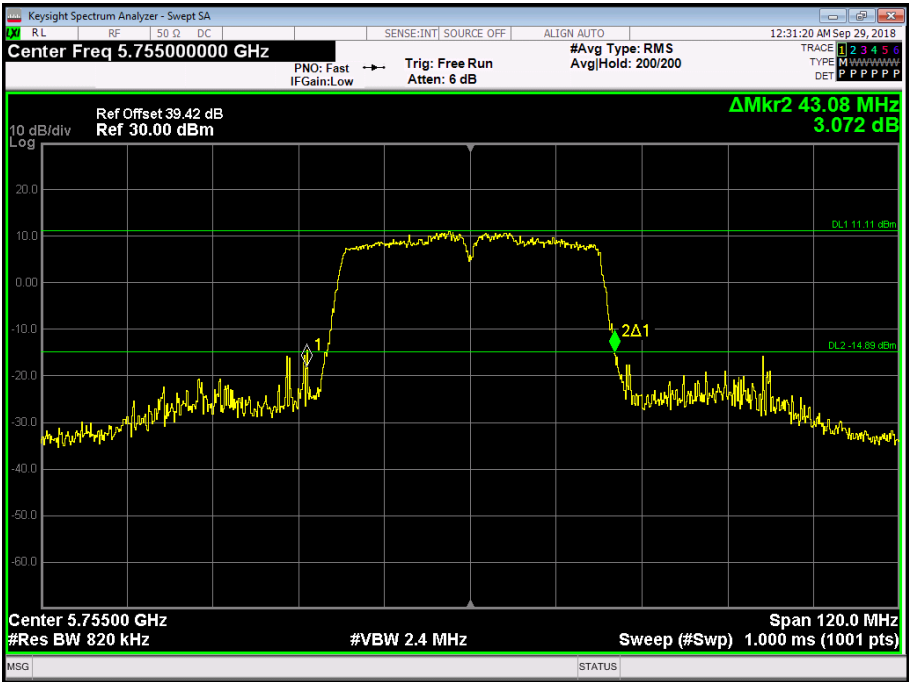


Figure 350 - 5755 MHz - 26 dB Emission Bandwidth

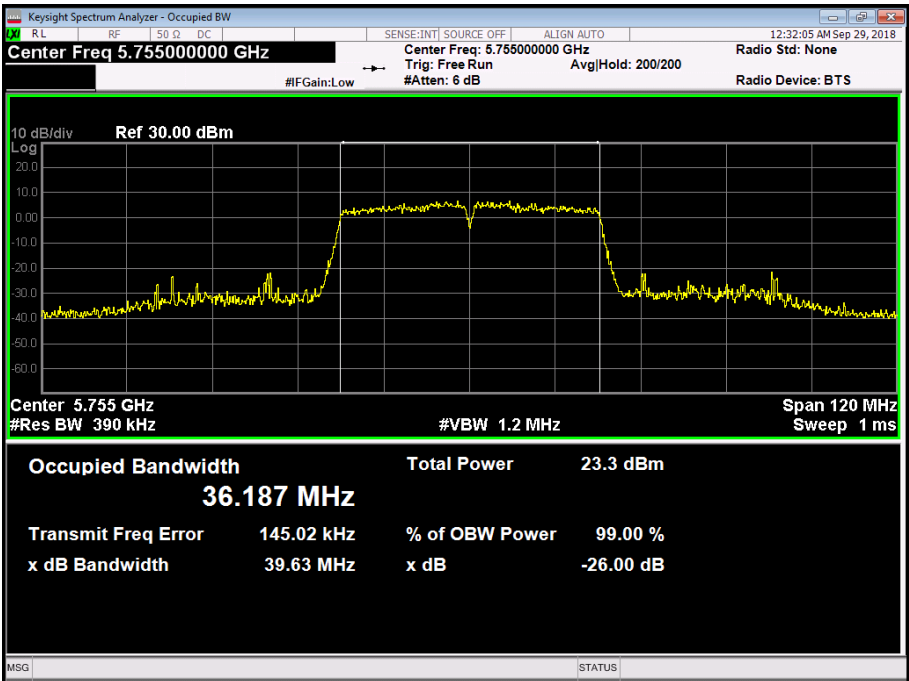


Figure 351 - 5755 MHz - 99% Occupied Bandwidth

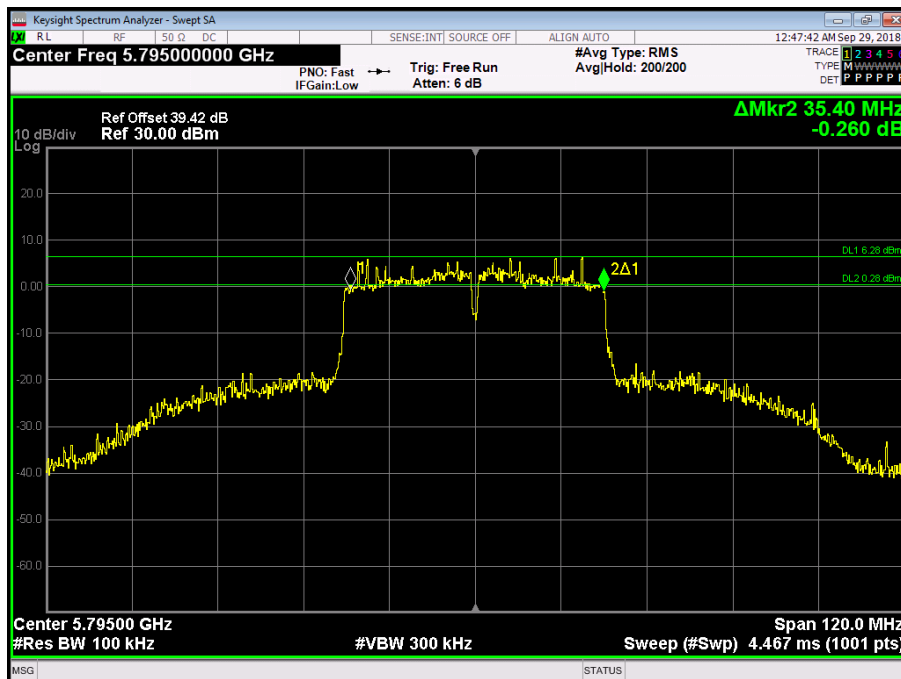


Figure 352 - 5795 MHz - 6 dB DTS Bandwidth



Figure 353 - 5795 MHz - 26 dB Emission Bandwidth



Product Service

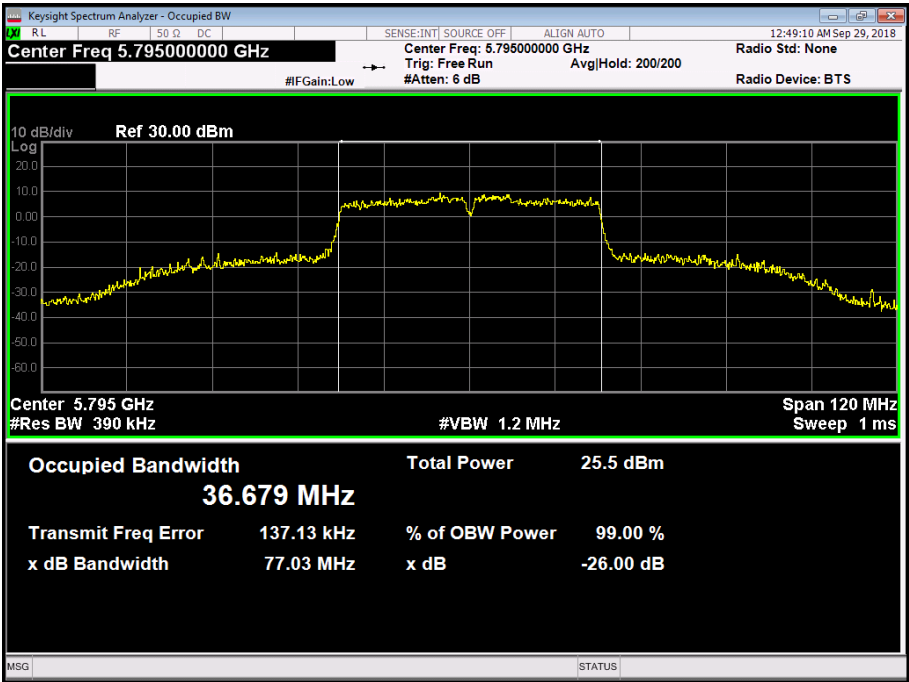


Figure 354 - 5795 MHz - 99% Occupied Bandwidth



802.11ac / VHT80 MCS0x1 / SISO / Core 1

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	2.920	75.840
26 dB Bandwidth (MHz)	6.040	82.080
99% Bandwidth (MHz)	76.020	75.796

Table 204

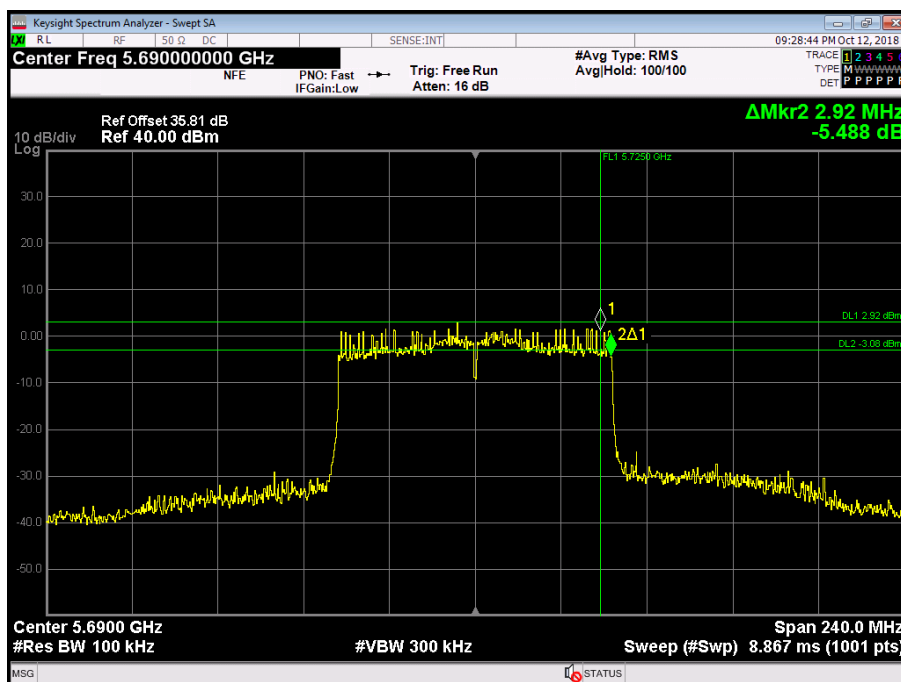


Figure 355 - 5690 MHz - 6 dB DTS Bandwidth

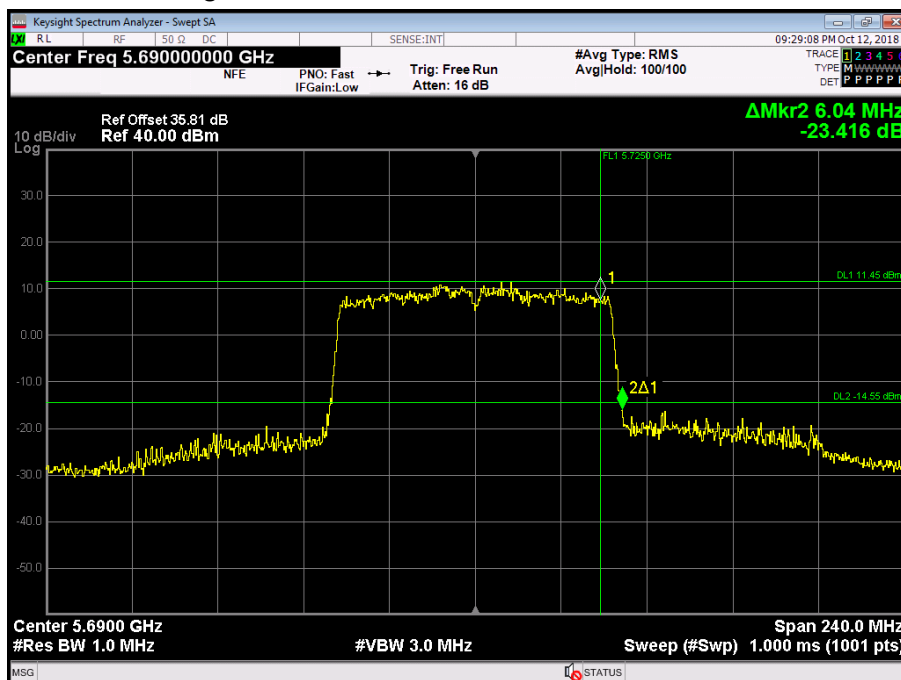


Figure 356 - 5690 MHz - 26 dB Emission Bandwidth



Product Service

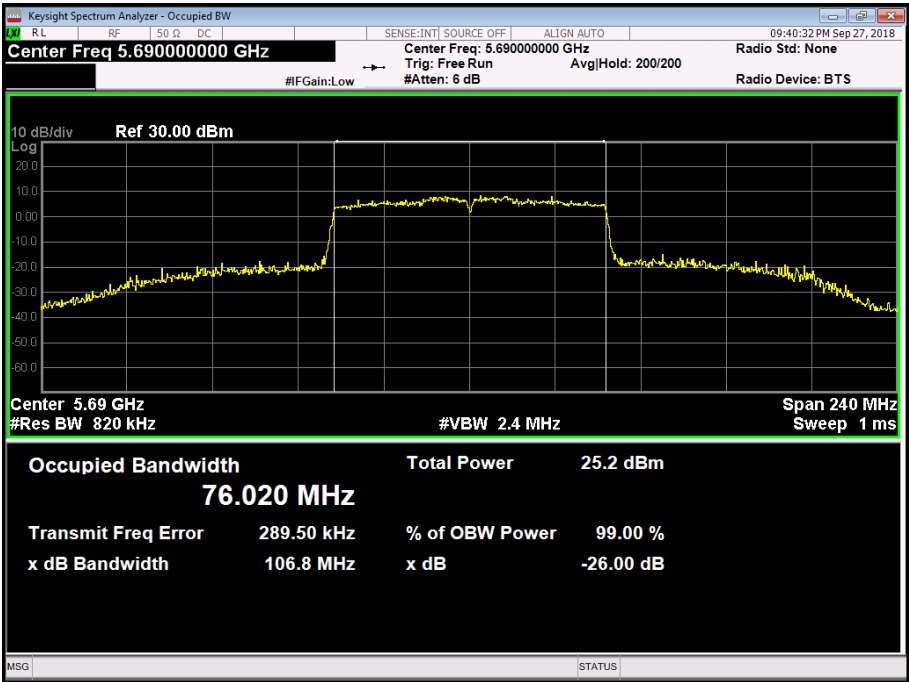


Figure 357 - 5690 MHz - 99% Occupied Bandwidth

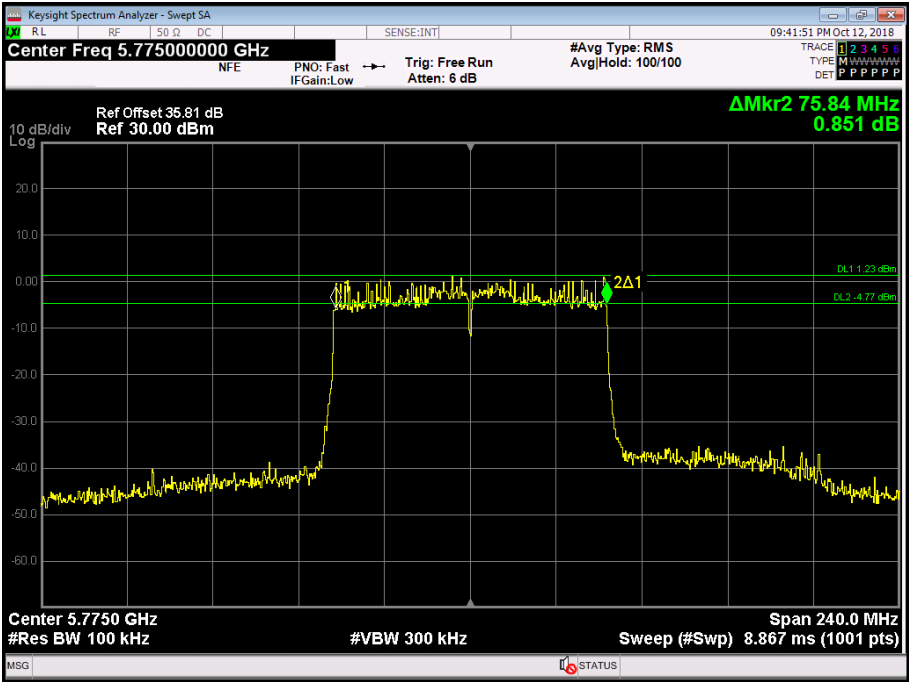


Figure 358 - 5775 MHz - 6 dB DTS Bandwidth

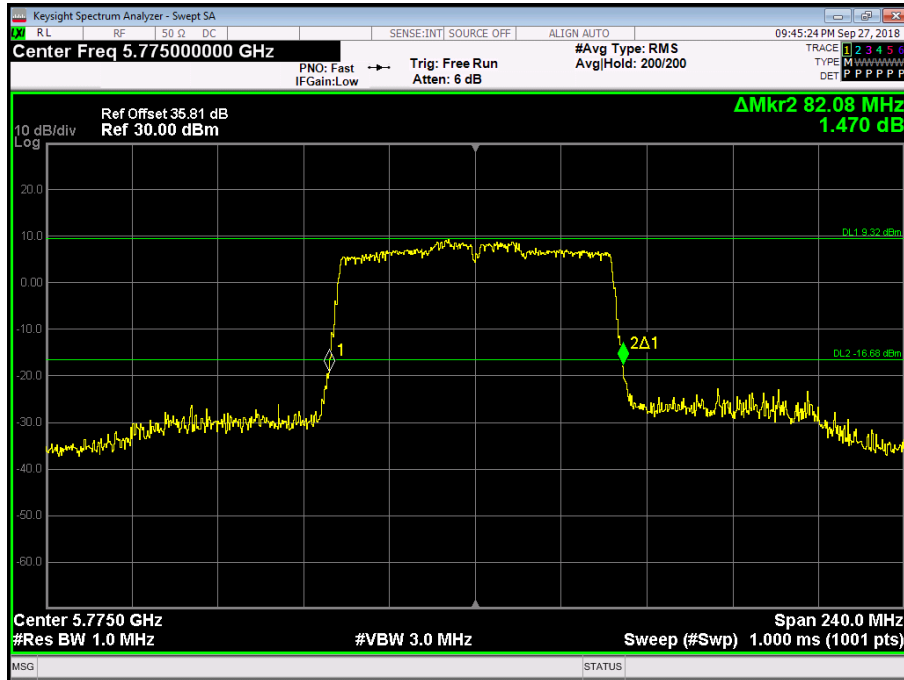


Figure 359 - 5775 MHz - 26 dB Emission Bandwidth

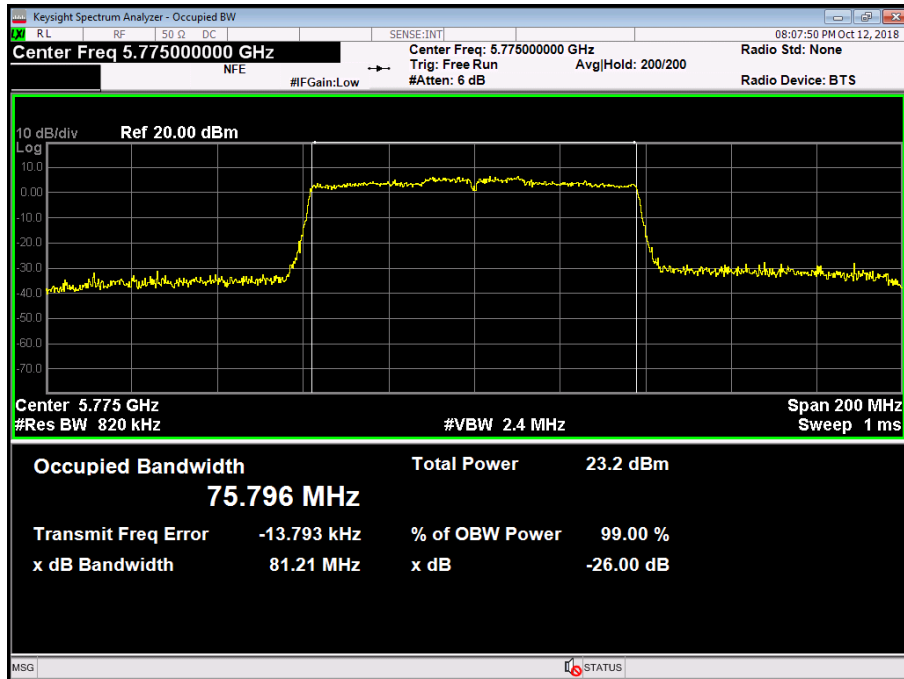


Figure 360 - 5775 MHz - 99% Occupied Bandwidth



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

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	2.920	75.600
26 dB Bandwidth (MHz)	6.520	82.080
99% Bandwidth (MHz)	76.160	75.714

Table 205

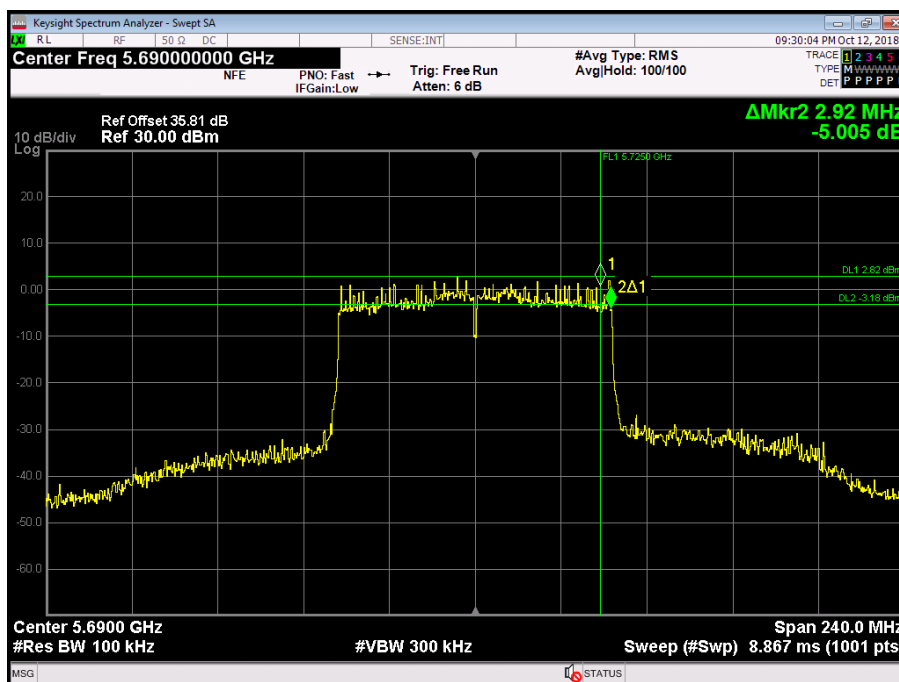


Figure 361 - 5690 MHz - 6 dB DTS Bandwidth

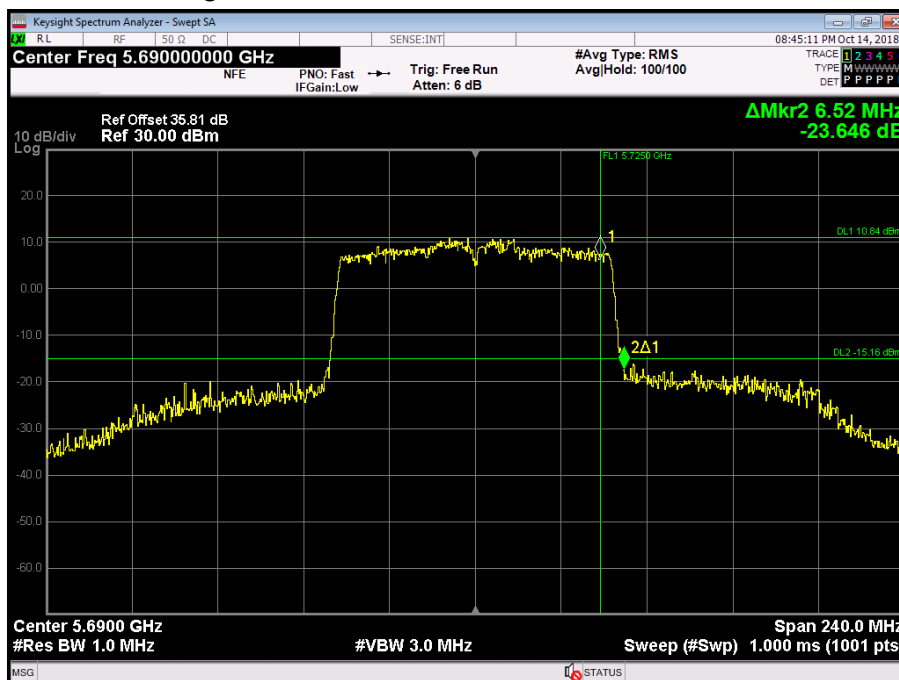


Figure 362 - 5690 MHz - 26 dB Emission Bandwidth



Product Service

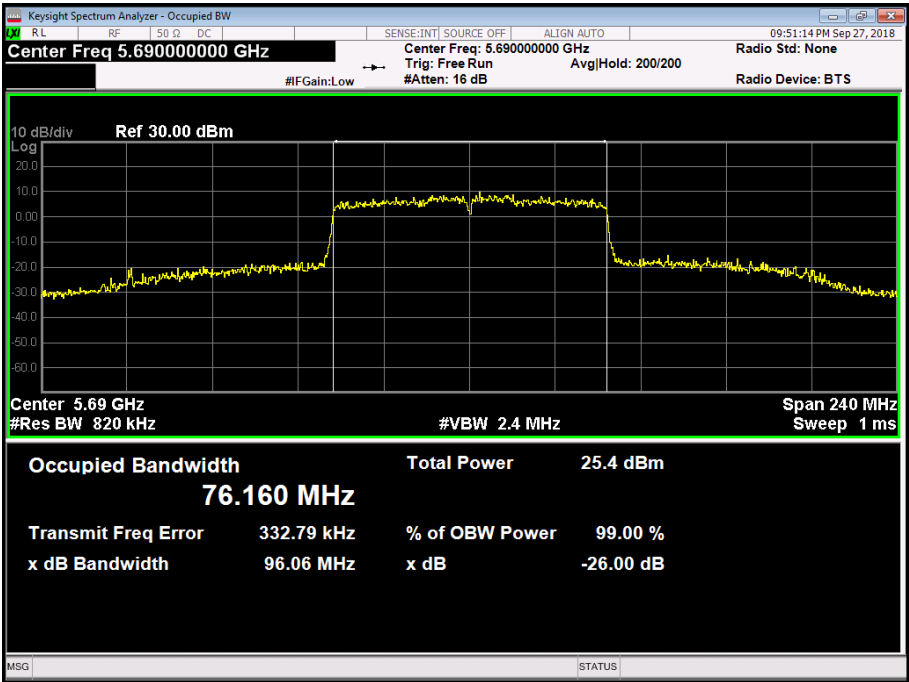


Figure 363 - 5690 MHz - 99% Occupied Bandwidth

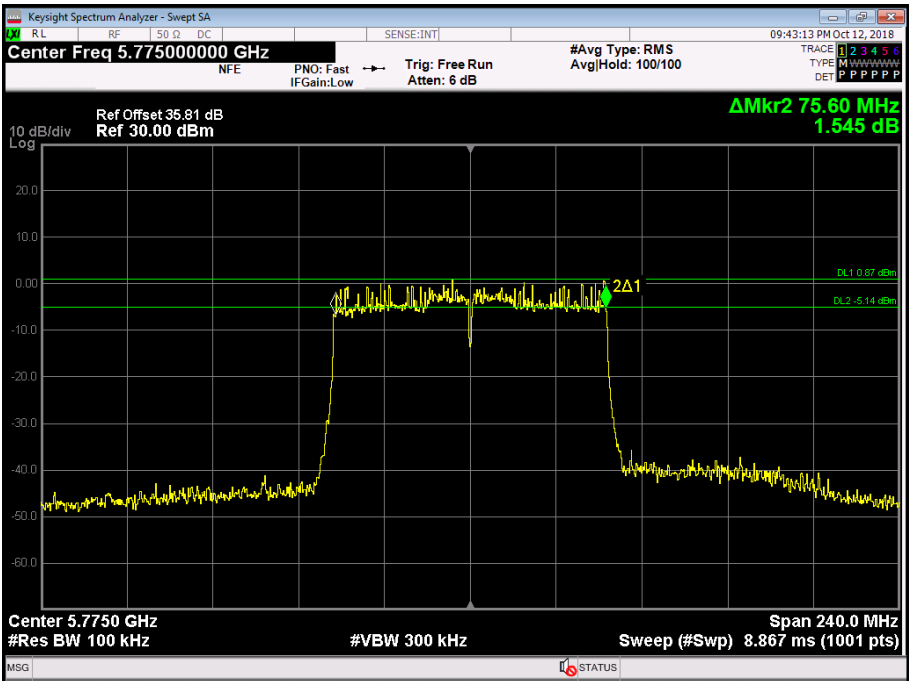


Figure 364 - 5775 MHz - 6 dB DTS Bandwidth



Product Service



Figure 365 - 5775 MHz - 26 dB Emission Bandwidth

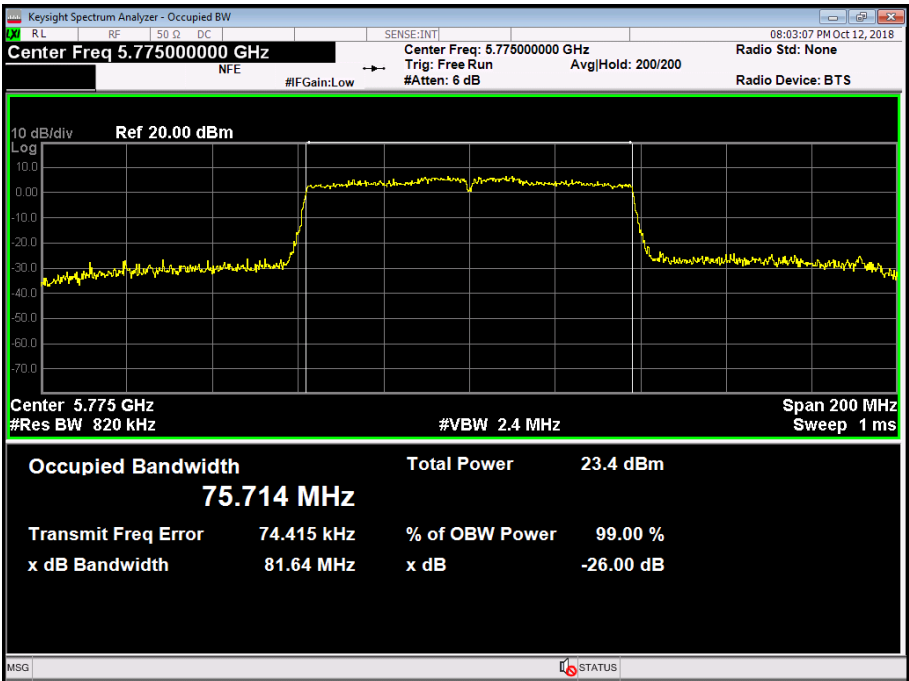


Figure 366 - 5775 MHz - 99% Occupied Bandwidth



802.11ac / VHT80 MCS0x2 / MIMO SDM / Cores 0+1

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	2.920	75.600
26 dB Bandwidth (MHz)	50.440	82.800
99% Bandwidth (MHz)	77.511	75.711

Table 206



Figure 367 - 5690 MHz - 6 dB DTS Bandwidth

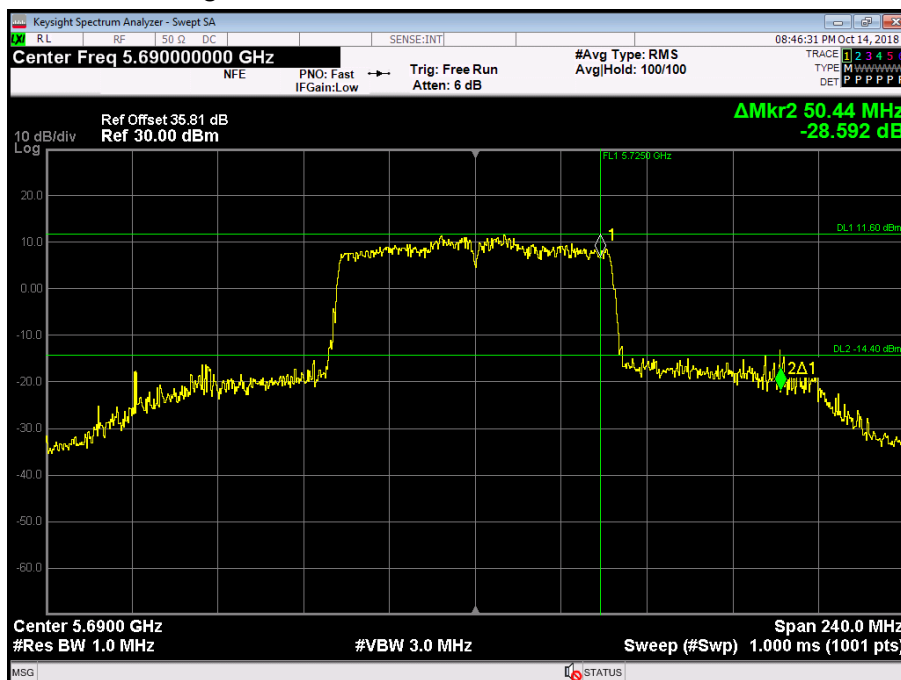


Figure 368 - 5690 MHz - 26 dB Emission Bandwidth



Product Service

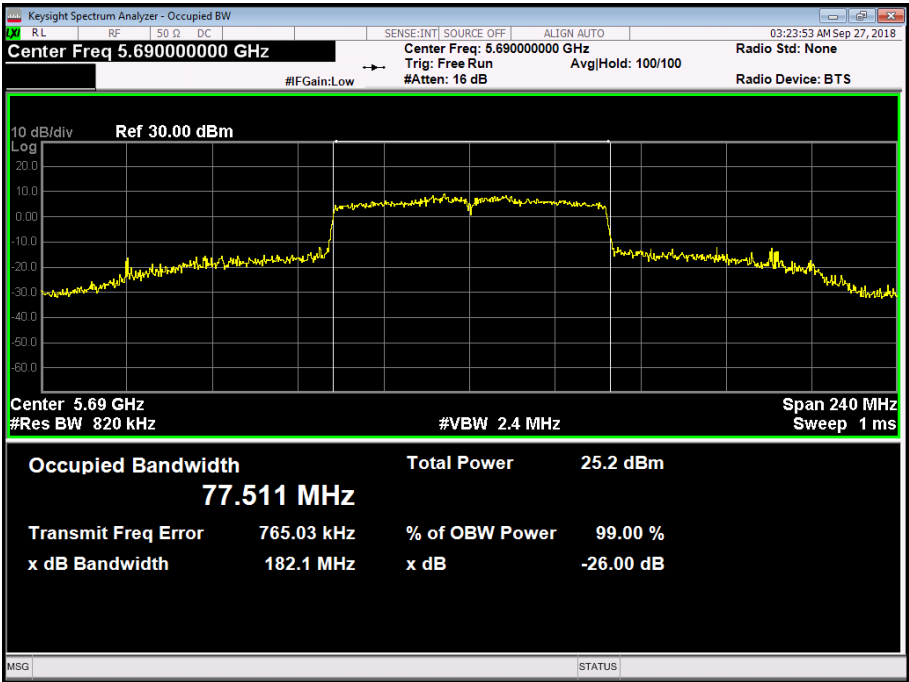


Figure 369 - 5690 MHz - 99% Occupied Bandwidth

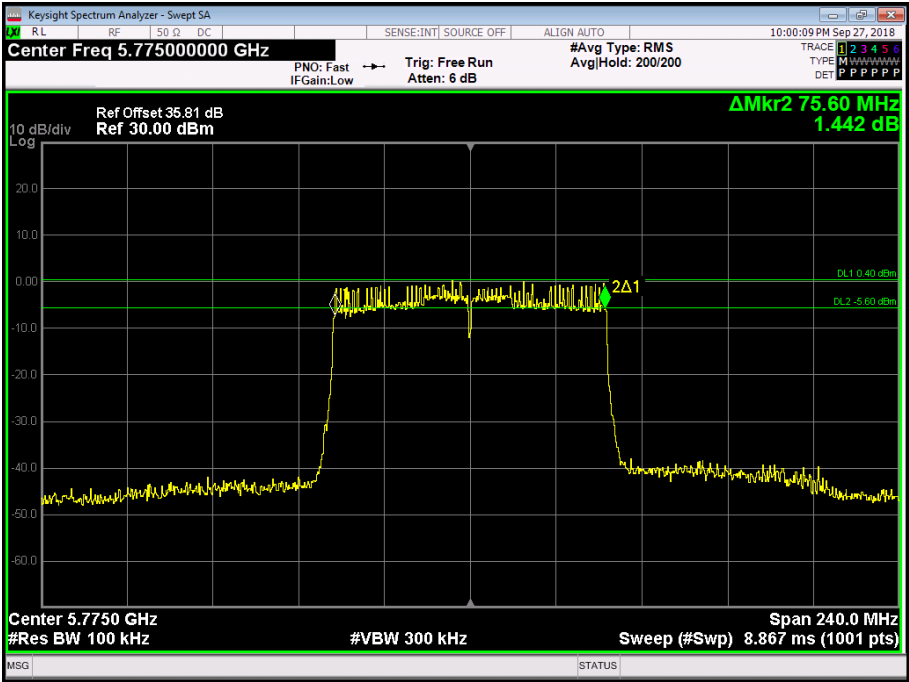


Figure 370 - 5775 MHz - 6 dB DTS Bandwidth



Product Service

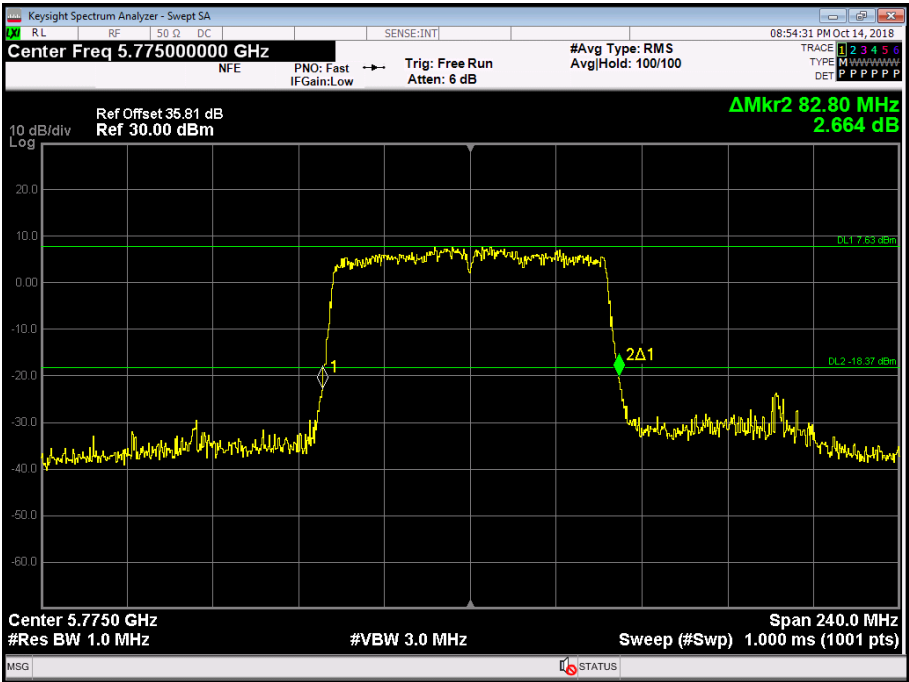


Figure 371 - 5775 MHz - 26 dB Emission Bandwidth

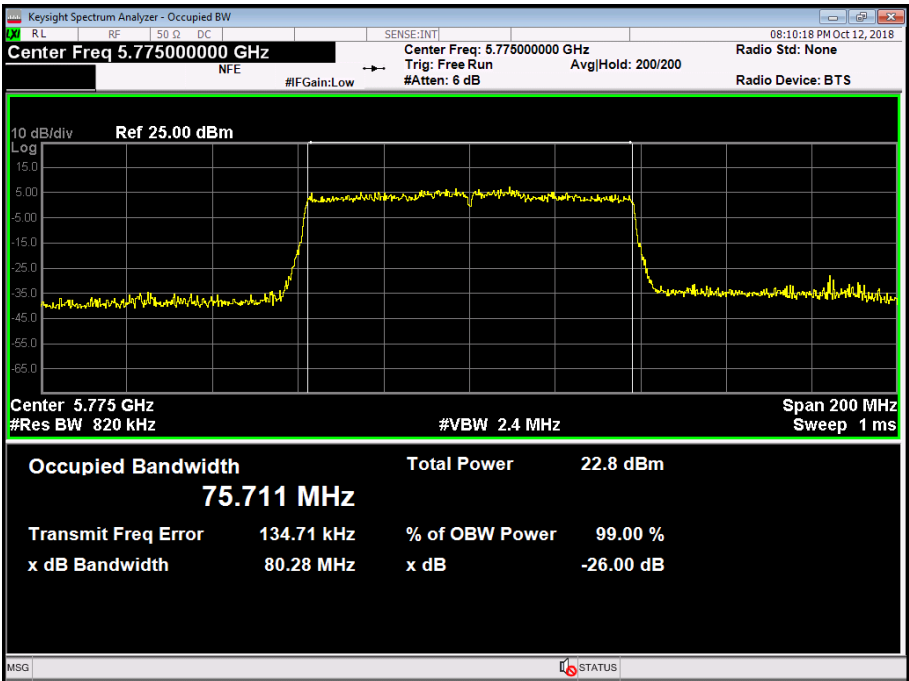


Figure 372 - 5775 MHz - 99% Occupied Bandwidth



802.11ac / VHT80 MCS0x1 / MIMO TxBF / Cores 0+1

Channel	Straddle	Middle
Frequency (MHz)	5690	5775
6 dB Bandwidth (MHz)	-2.120	65.760
26 dB Bandwidth (MHz)	6.280	80.640
99% Bandwidth (MHz)	76.130	75.682

Table 207

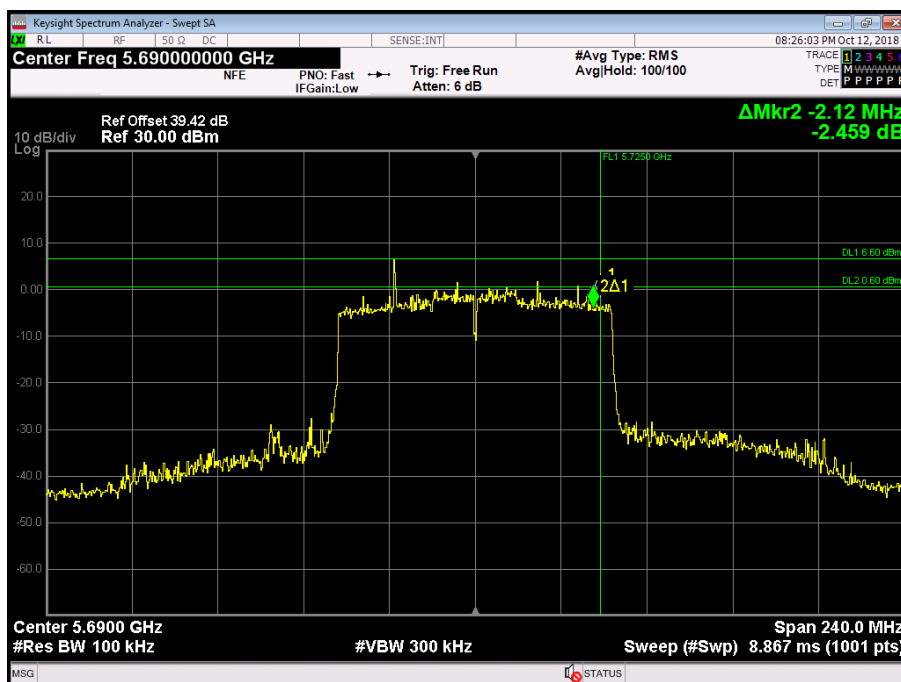


Figure 373 - 5690 MHz - 6 dB DTS Bandwidth



Figure 374 - 5690 MHz - 26 dB Emission Bandwidth



Product Service

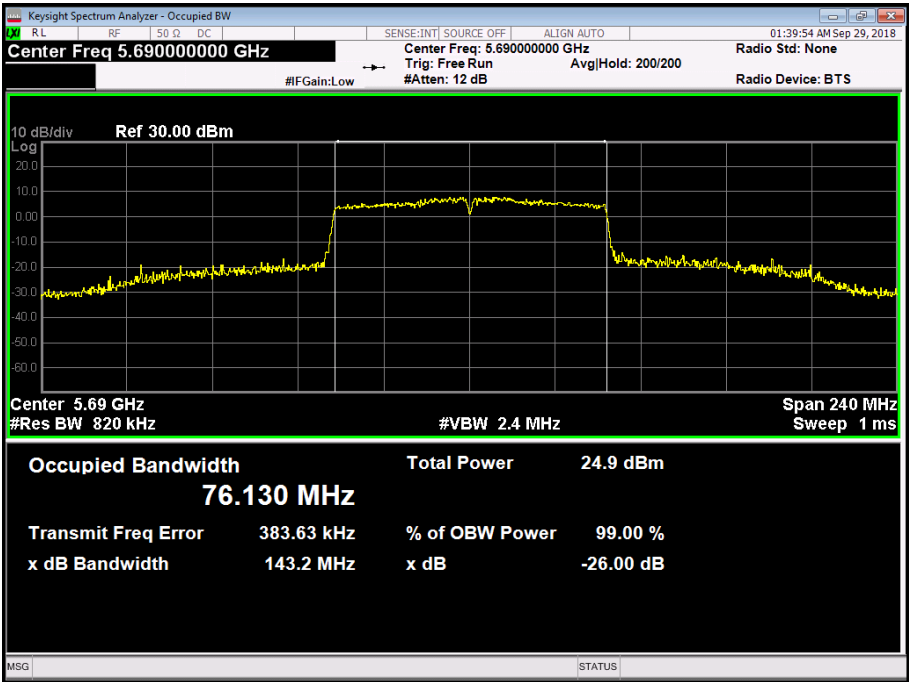


Figure 375 - 5690 MHz - 99% Occupied Bandwidth

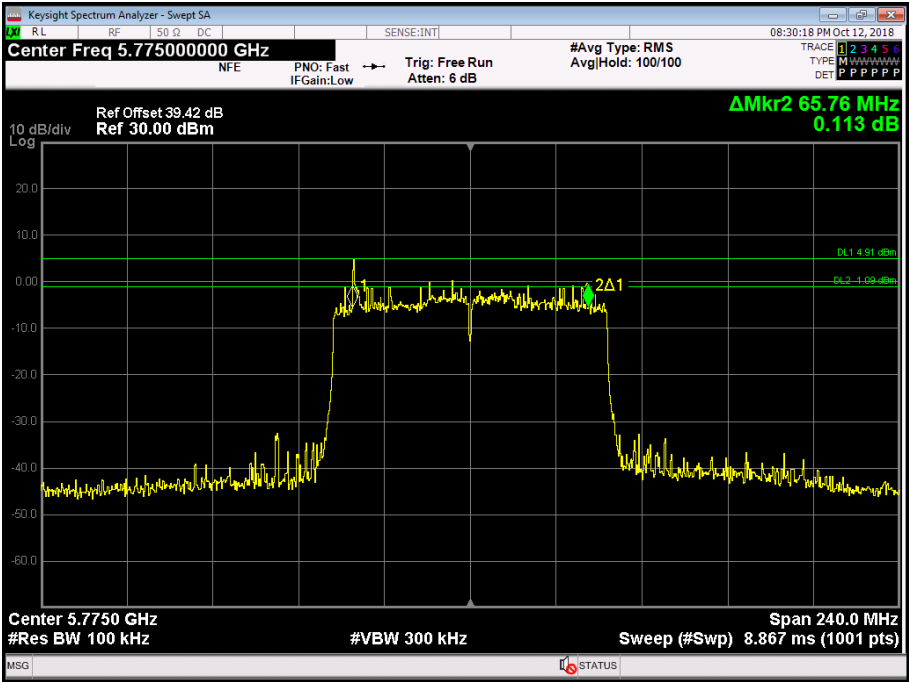


Figure 376 - 5775 MHz - 6 dB DTS Bandwidth



Product Service

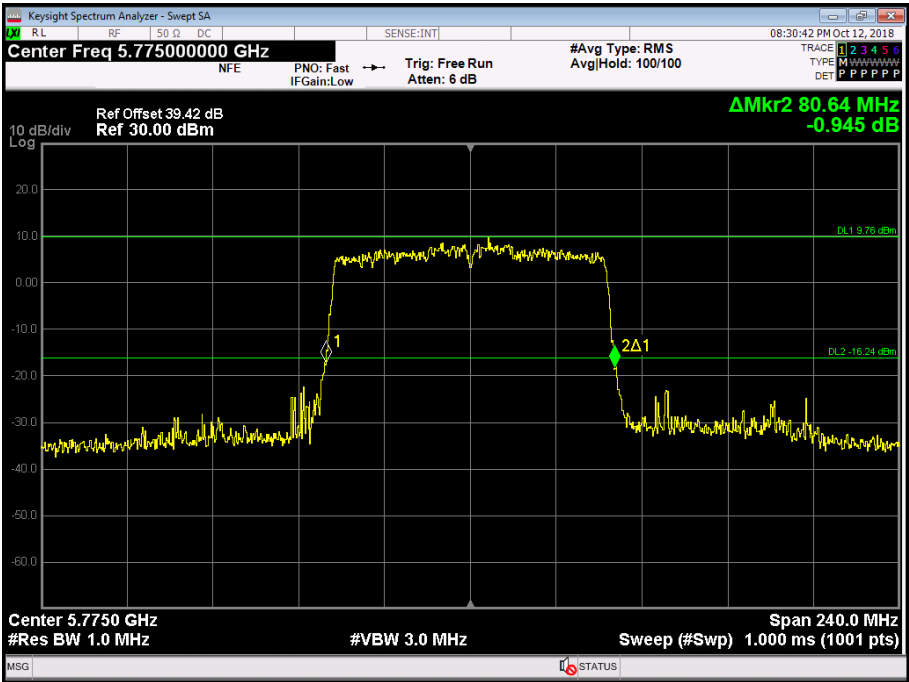


Figure 377 - 5775 MHz - 26 dB Emission Bandwidth

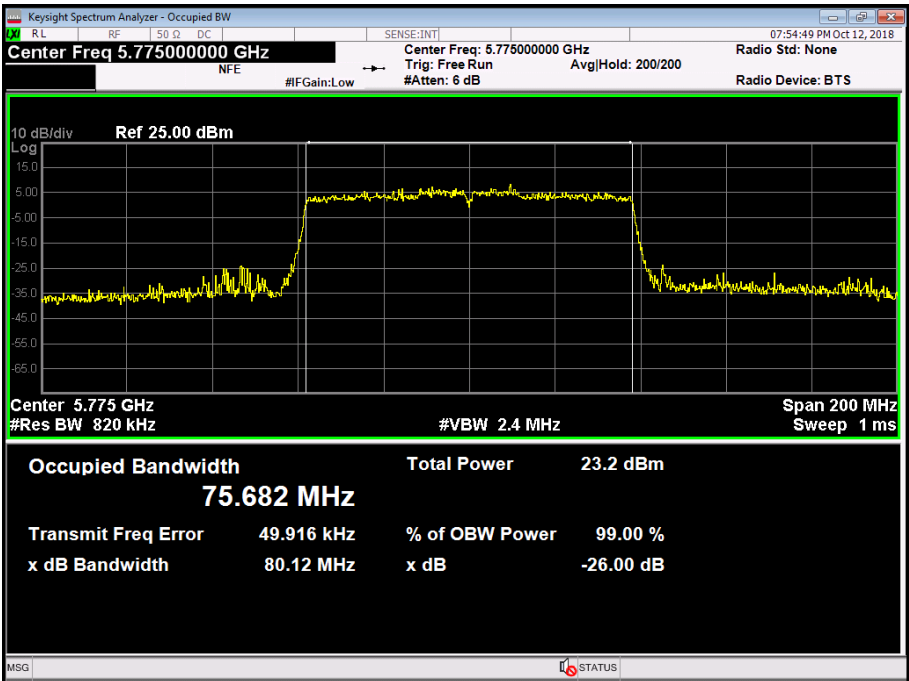


Figure 378 - 5775 MHz - 99% Occupied Bandwidth



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
20dB/2W Attenuator	Narda	4772-20	462	-	O/P Mon
Hygrometer	Rotronic	I-1000	2891	12	18-Sept-2019
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	09-Oct-2018
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	06-Mar-2019
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
Attenuator (10 dB)	Suhner	6810.17.A	3965	12	18-Jul-2019
Attenuator (10dB, 150W)	Narda	769-10	3368	12	17-Jul-2019
PXA Signal Analyser	Keysight Technologies;	N9030A	4653	12	05-Feb-2019
Power splitter - 2 port	Mini-Circuits	ZN2PD-63-S+	4742	12	29-Sep-2019
Power splitter - 2 port	Mini-Circuits	ZN2PD-63-S+	4743	12	29-Sep-2019
Power splitter - 4 port	Mini-Circuits	ZN4PD1-63-S+	4744	12	29-Sep-2019
EMI Receiver	Keysight Technologies;	N9038A MXE	4628	12	4-July-2019

Table 208



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

A1932, S/N: C02X5003L3J0 - Modification State 0

2.4.3 Date of Test

28-August-2018 to 12-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:

Field Strength (dB μ V/m at 3m) = EIRP (dBm) + 95.2 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 22.7 - 23.7 °C
Relative Humidity 42.3 - 53.7 %

2.4.6 Test Results

SISO - 20 MHz Bandwidth

Mode	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dB μ V/m)
802.11a	6Mbps	100	5470.0	61.74
802.11a	6Mbps	140	5725.0	63.80
802.11a	6Mbps	144	5850.0	58.76
802.11a	6Mbps	149	5725.0	58.74
802.11a	6Mbps	165	5850.0	58.54

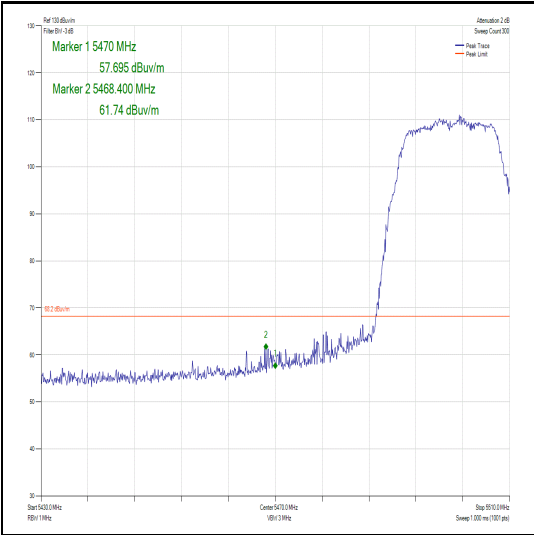


Figure 379 – Channel 100 - Authorised Band Edge

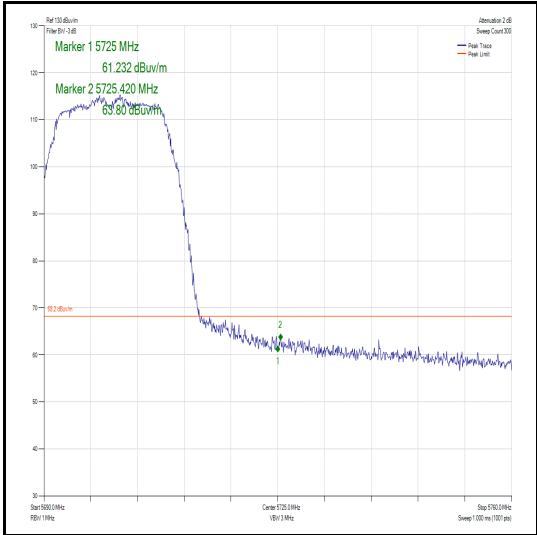


Figure 380 – Channel 140 - Authorised Band Edge

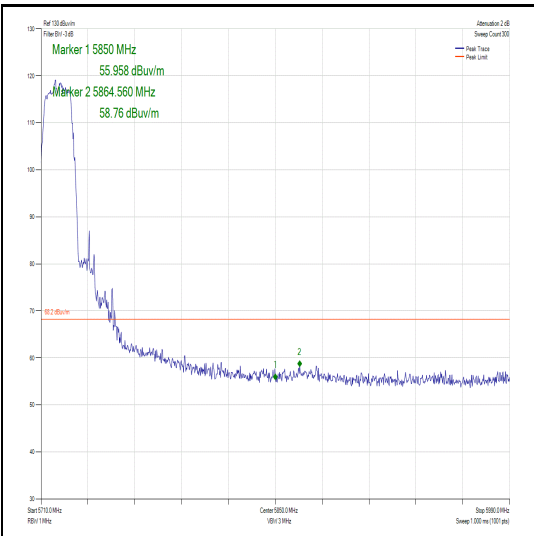


Figure 381 – Channel 144 - Authorised Band Edge

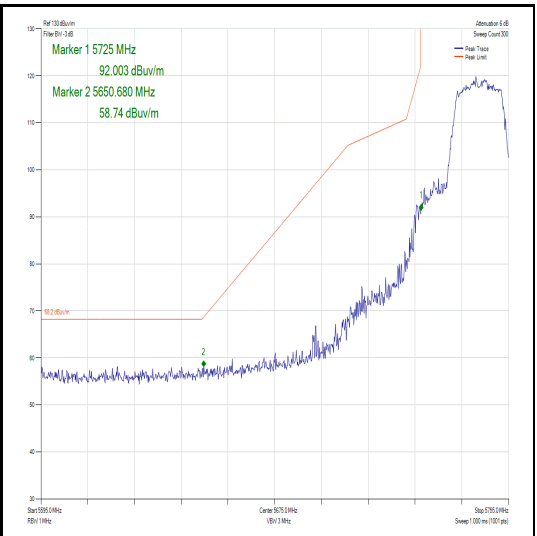


Figure 382 – Channel 149 - Authorised Band Edge

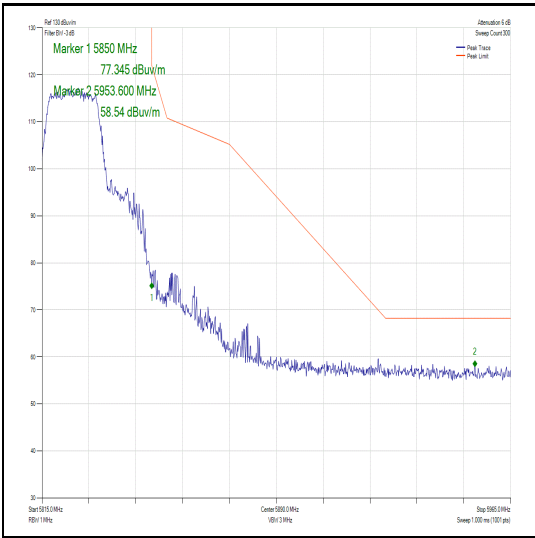


Figure 383 – Channel 165 - Authorised Band Edge



SISO - 20 MHz Bandwidth

Mode	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dBuV/m)
802.11n	MCS0	100	5470.0	59.72
802.11n	MCS0	140	5725.0	62.65
802.11n	MCS0	144	5850.0	58.60
802.11n	MCS0	149	5725.0	57.88
802.11n	MCS0	165	5850.0	58.85

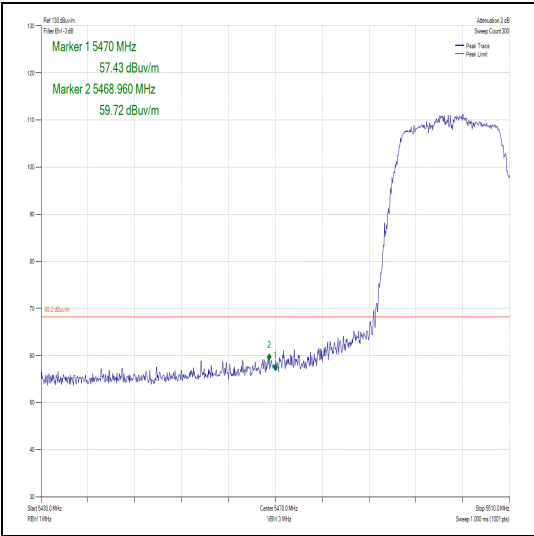


Figure 384 – Channel 100 - Authorized Band Edge

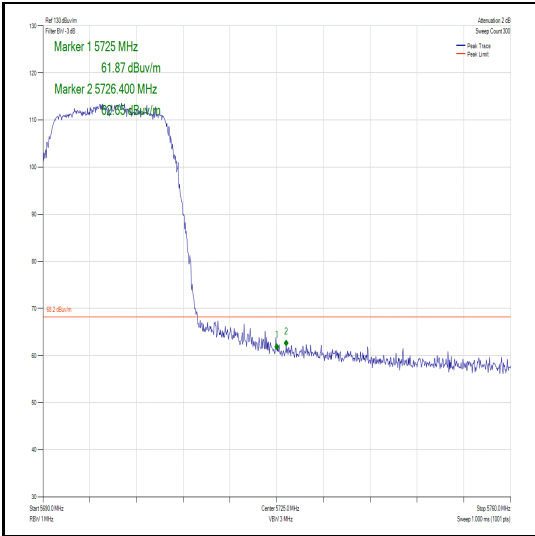


Figure 385 – Channel 140 - Authorized Band Edge

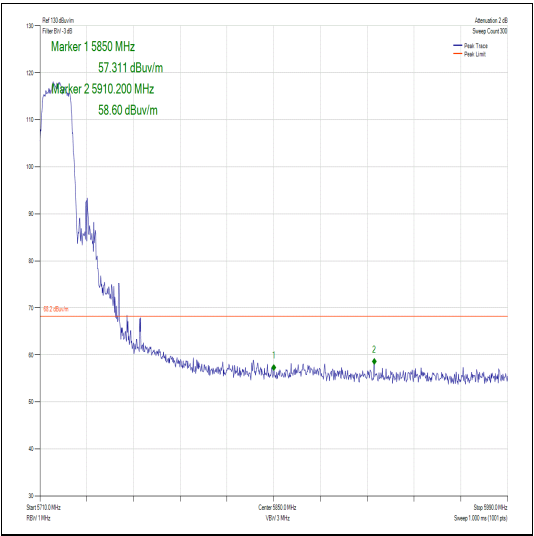


Figure 386 – Channel 144 - Authorized Band Edge

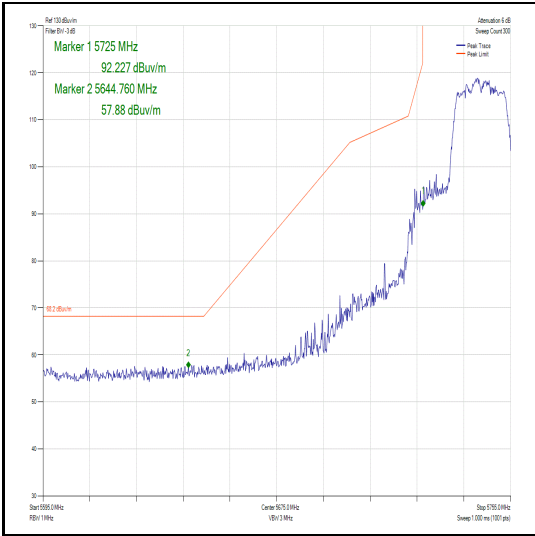


Figure 387 – Channel 149 - Authorized Band Edge



Product Service

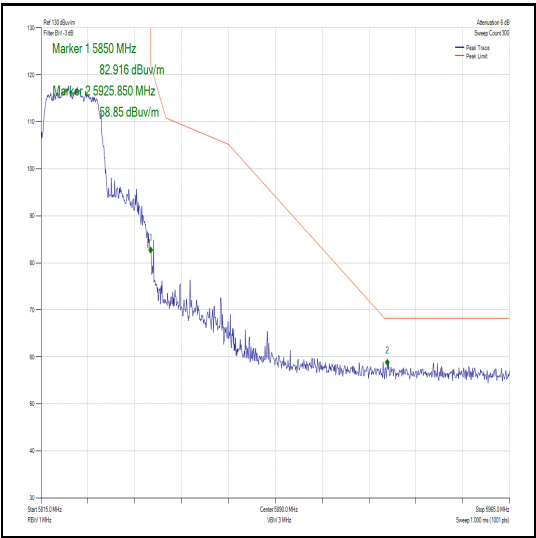


Figure 388 – Channel 165 - Authorised Band Edge

MIMO 2TX - 20 MHz Bandwidth

Mode	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dBuV/m)
802.11n	MCS0	100	5470.0	65.98
802.11n	MCS0	140	5725.0	66.29
802.11n	MCS0	144	5850.0	58.88
802.11n	MCS0	149	5725.0	59.78
802.11n	MCS0	165	5850.0	57.88

Table 209 - Authorised Band Edge Results

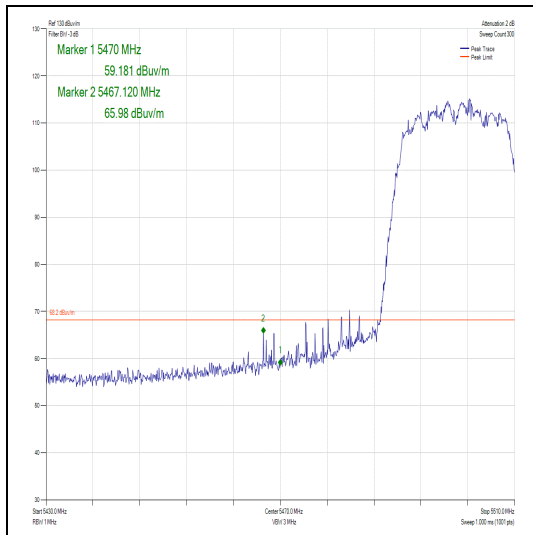


Figure 389 – Channel 100 - Authorised Band Edge

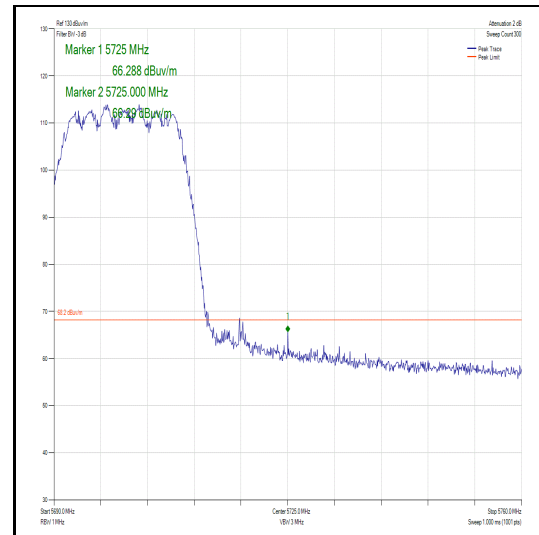


Figure 390 – Channel 140 - Authorised Band Edge

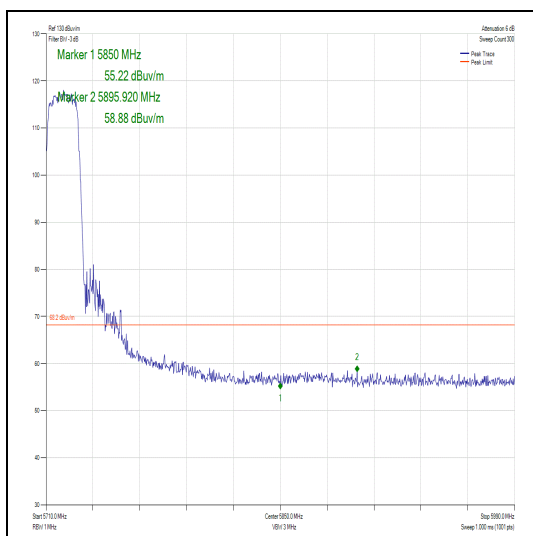


Figure 391 – Channel 144 - Authorised Band Edge

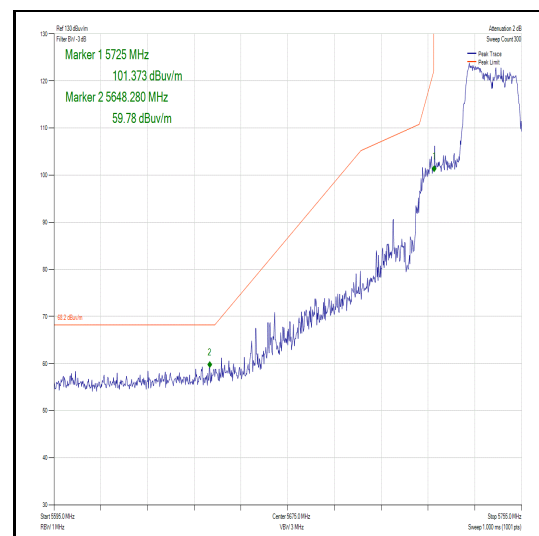


Figure 392 – Channel 149 - Authorised Band Edge



Product Service

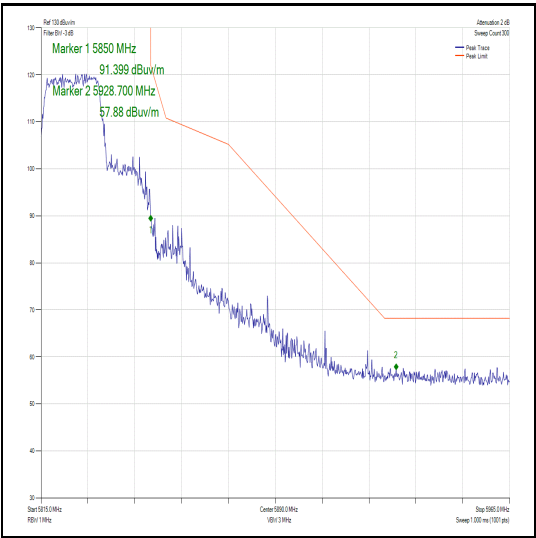


Figure 393 – Channel 165 - Authorised Band Edge

SISO - 40 MHz Bandwidth

Mode	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dBuV/m)
802.11n	MCS0	102	5470.0	62.37
802.11n	MCS0	134	5725.0	63.95
802.11n	MCS0	142	5850.0	64.68
802.11n	MCS0	151	5725.0	67.78
802.11n	MCS0	159	5850.0	63.52

Table 210 - Authorised Band Edge Results

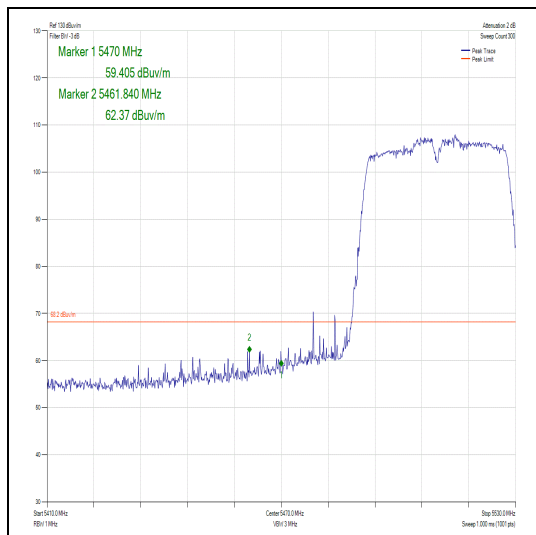


Figure 394 – Channel 102 - Authorised Band Edge

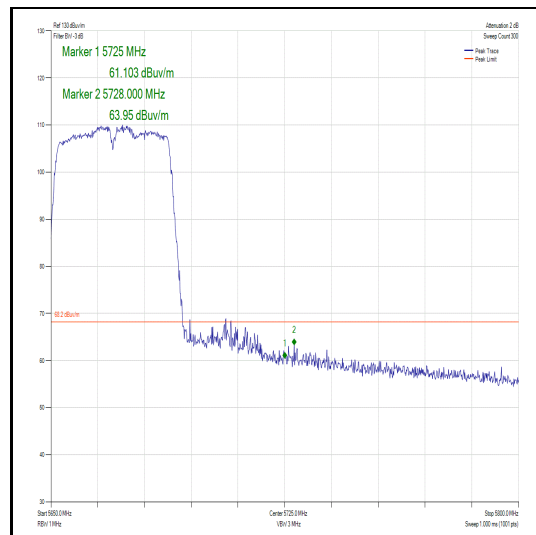


Figure 395 – Channel 134 - Authorised Band Edge

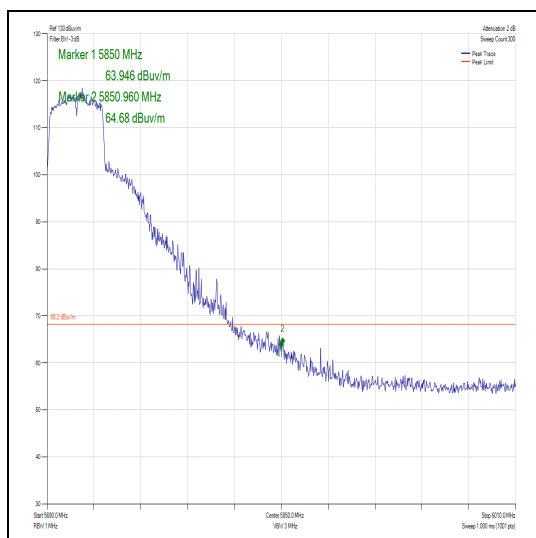


Figure 396 – Channel 142 - Authorised Band Edge

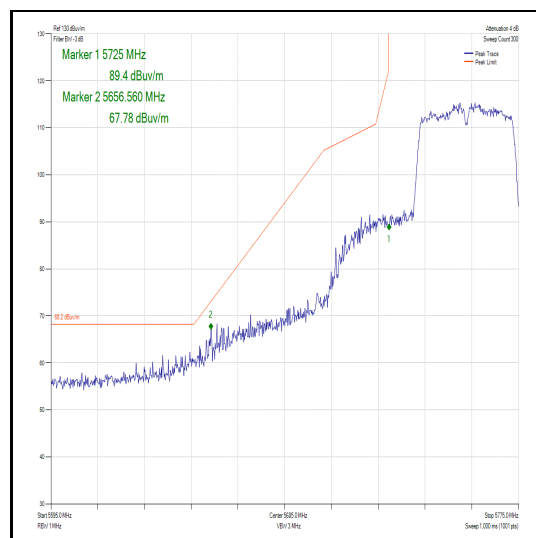


Figure 397 – Channel 151 - Authorised Band Edge



Product Service

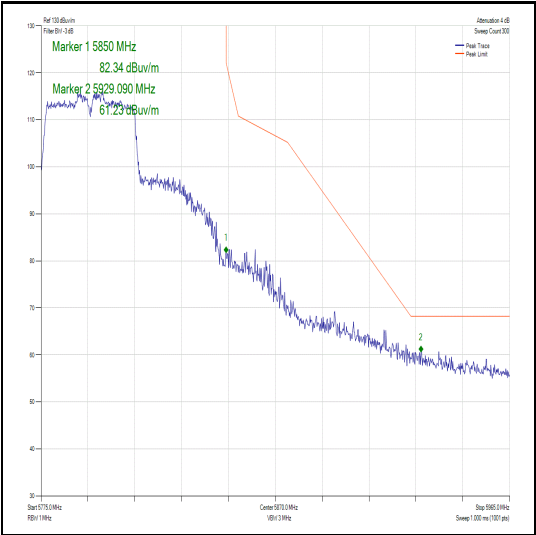


Figure 398 – Channel 159 - Authorised Band Edge



MIMO 2TX - 40 MHz Bandwidth

Mode	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dBuV/m)
802.11n	MCS0	102	5470.0	60.41
802.11n	MCS0	134	5725.0	65.43
802.11n	MCS0	142	5850.0	60.86
802.11n	MCS0	151	5725.0	63.57
802.11n	MCS0	159	5850.0	63.44

Table 211 - Authorised Band Edge Results

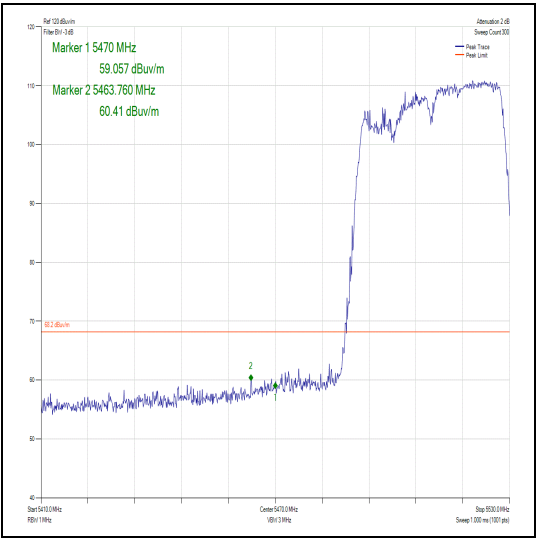


Figure 399 – Channel 102 - Authorised Band Edge

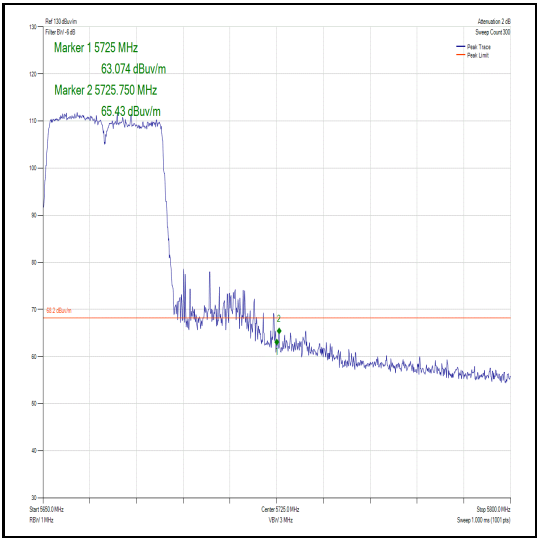


Figure 400 – Channel 134 - Authorised Band Edge

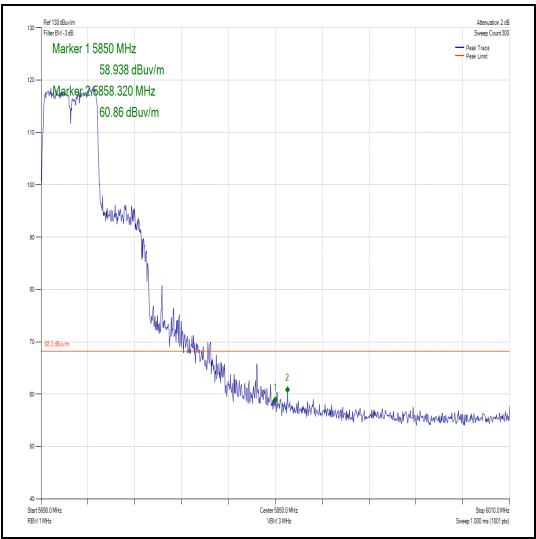


Figure 401 – Channel 142 - Authorised Band Edge

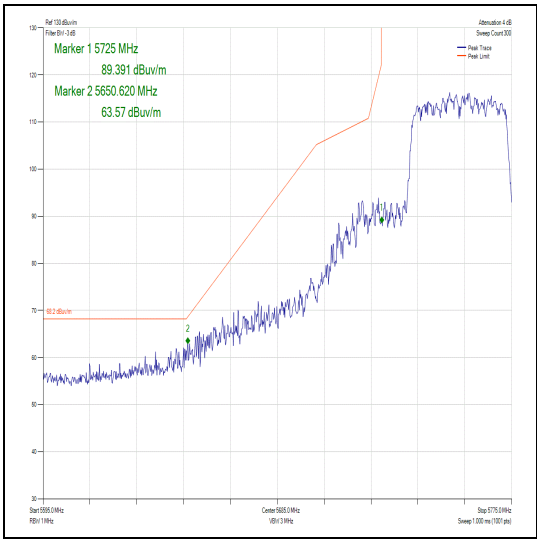


Figure 402 – Channel 151 - Authorised Band Edge



Product Service

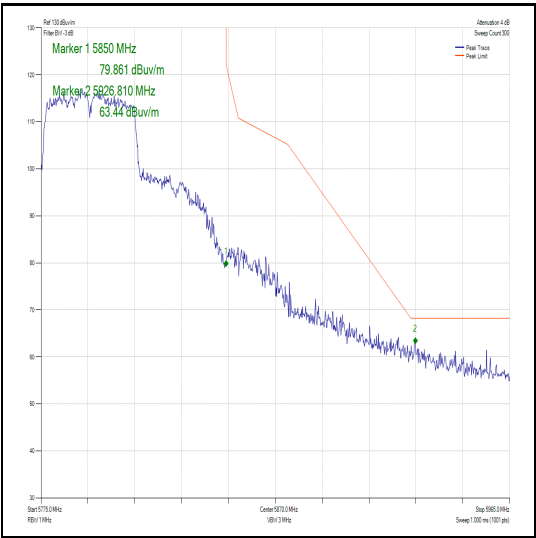


Figure 403 – Channel 159 - Authorised Band Edge

SISO - 80 MHz Bandwidth

Mode	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dBuV/m)
802.11ac	MCS0	106	5470.00	64.21
802.11ac	MCS0	122	5725.00	66.61
802.11ac	MCS0	138	5850.00	65.00
802.11ac	MCS0	155	5725.00	64.71
802.11ac	MCS0	155	5850.00	63.34

Table 212 - Authorised Band Edge Results

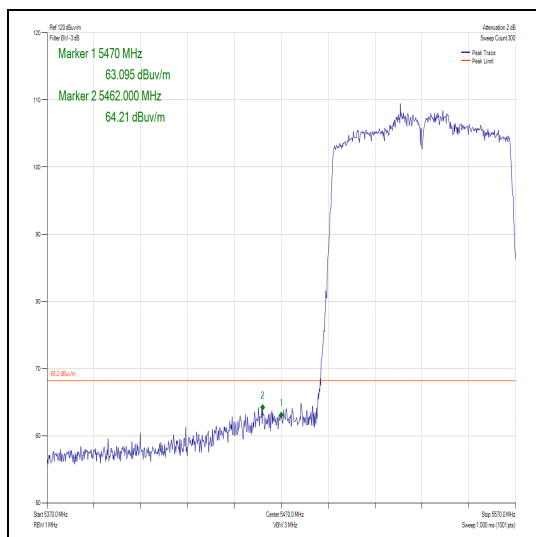


Figure 404 – Channel 106 - Authorised Band Edge

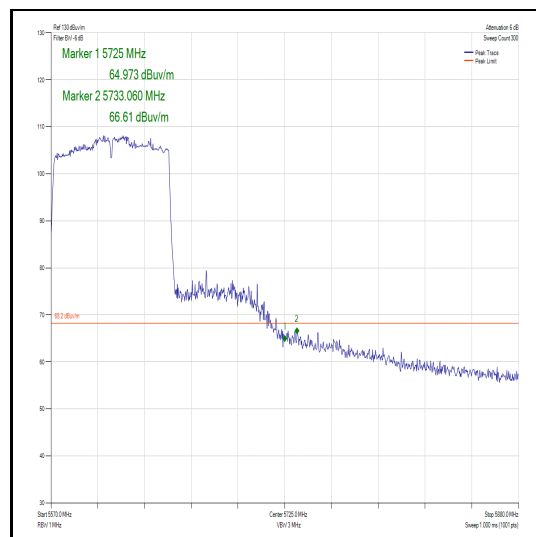


Figure 405 – Channel 122 - Authorised Band Edge

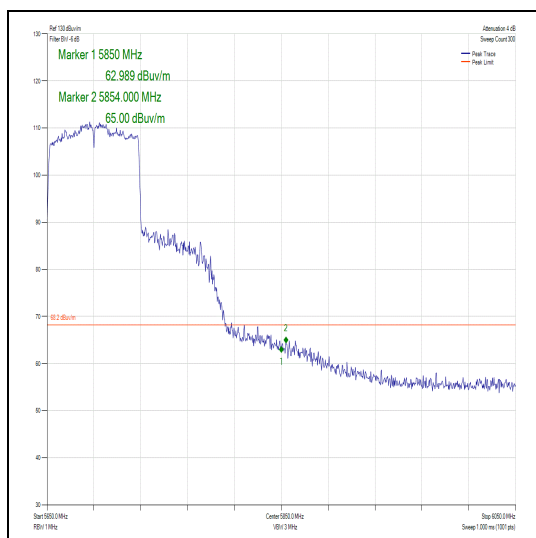


Figure 406 – Channel 138 - Authorised Band Edge

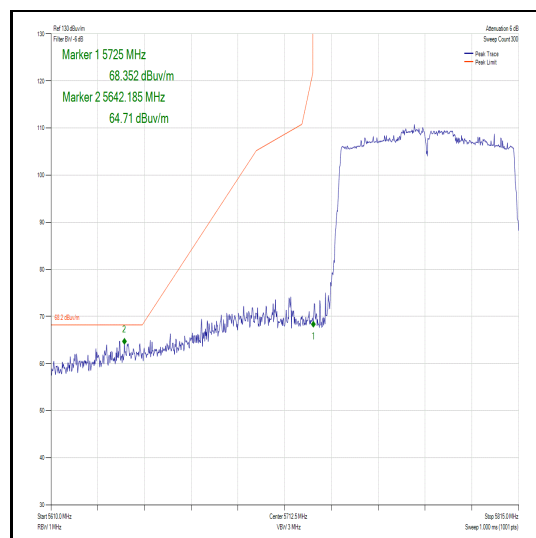


Figure 407 – Channel 155 - Authorised Lower Band Edge

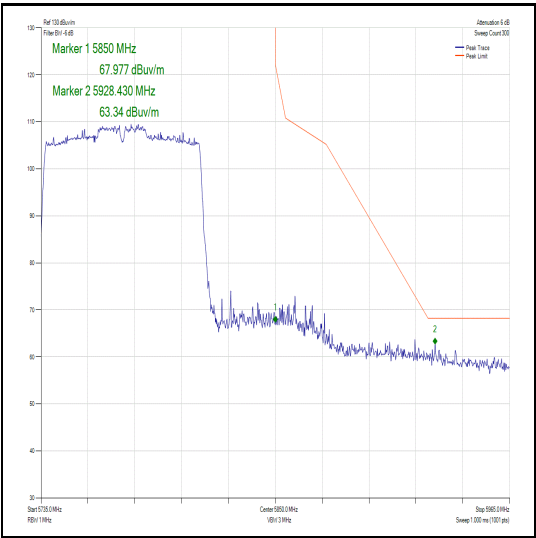


Figure 408 – Channel 155 - Authorized Upper Band Edge



MIMO 2TX - 80 MHz Bandwidth

Mode	Data Rate/MCS	Transmitter Channel	Band Edge Frequency (MHz)	Peak Level (dBuV/m)
802.11ac	MCS0	106	5470.00	62.00
802.11ac	MCS0	122	5725.00	64.37
802.11ac	MCS0	138	5850.00	65.15
802.11ac	MCS0	155	5725.00	63.10
802.11ac	MCS0	155	5850.00	64.25

Table 213 - Authorised Band Edge Results

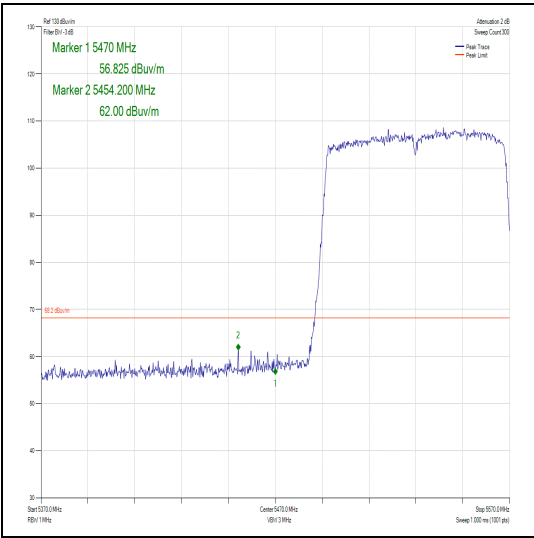


Figure 409 – Channel 106 - Authorised Band Edge

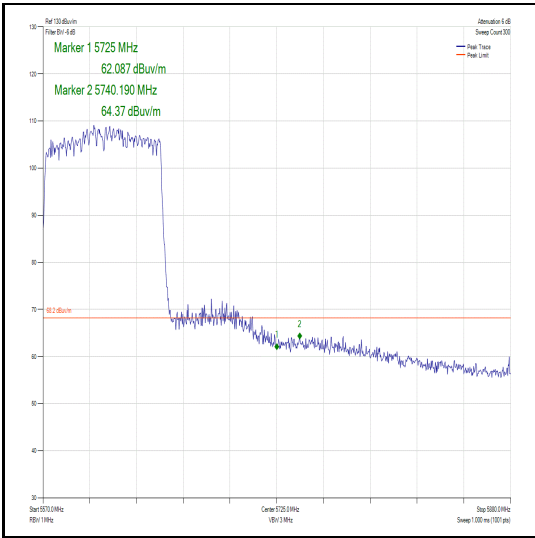


Figure 410 – Channel 122 - Authorised Band Edge

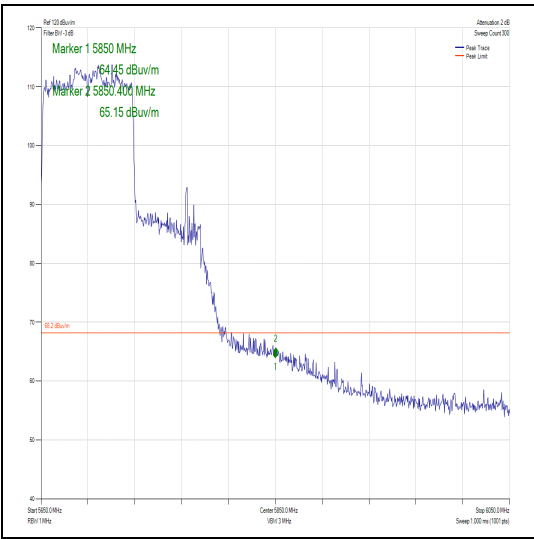


Figure 411 – Channel 138 - Authorised Band Edge

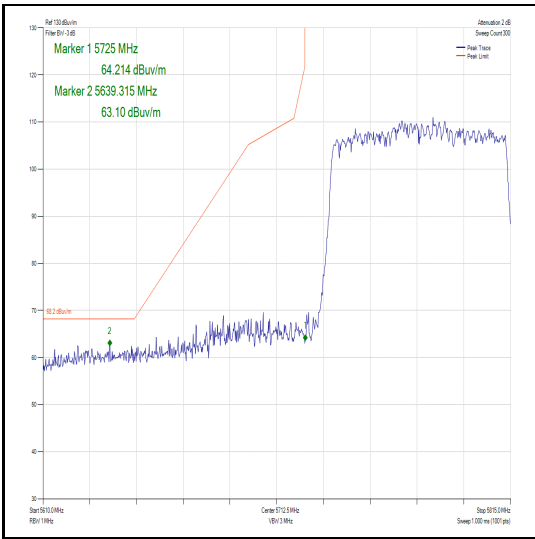


Figure 412 – Channel 155 - Authorised Lower Band Edge

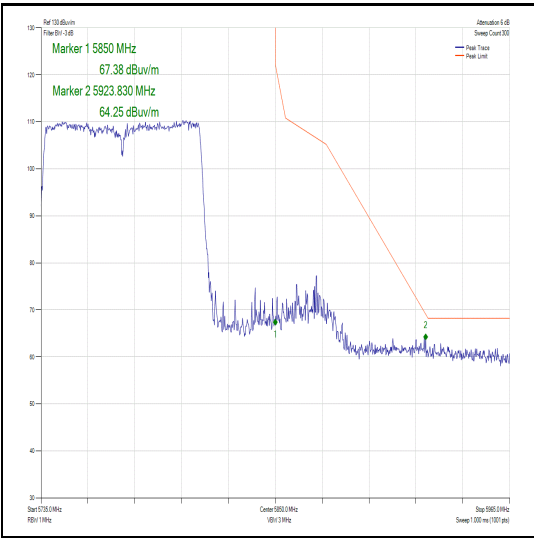


Figure 413 – Channel 155 - Authorized Upper Band Edge



2.4.7 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 5.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
Cable (2m)	Rhophase	KPS-1503-2000-KPS	3965	12	12-Dec-2018
Mains Voltage Monitor	TUV SUD Product Service	MVM1	1378	12	17-Apr-2019
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	22-Nov-2018
Pre-Amplifier	Agilent	8449B (3008A0223)	N/A	-	O/P Mon
Cable (40GHz)	Rosenberger	LU1-001-2000	5020	-	O/P Mon
Cable (Rx, Nm-Nm, 7m)	Scott Cables	SLU18-NMNM-07.00M	4498	-	O/P Mon
EMI Receiver	Keysight Technologies	N9038A MXE	4628	12	4-Jul-2019
Mast Controller	Maturo GmbH	NCD	4810	-	TU
Tilt Antenna Mast	Maturo GmbH	TAM 4.0-P	4811	-	TU
9m N type RF cable	Rosenberger	2303-0 9.0m PNm PNm	4827	6	4-Jan-2019
Double Ridge Broadband Horn Antenna	Schwarzbeck	BBHA 9120 B	4848	12	12-Feb-2019
Hygrometer	Rotronic	HP21	4989	12	26-Apr-2019

Table 214

TU – Traceability Unscheduled.

O/P Mon – Output Monitored using calibrated equipment.