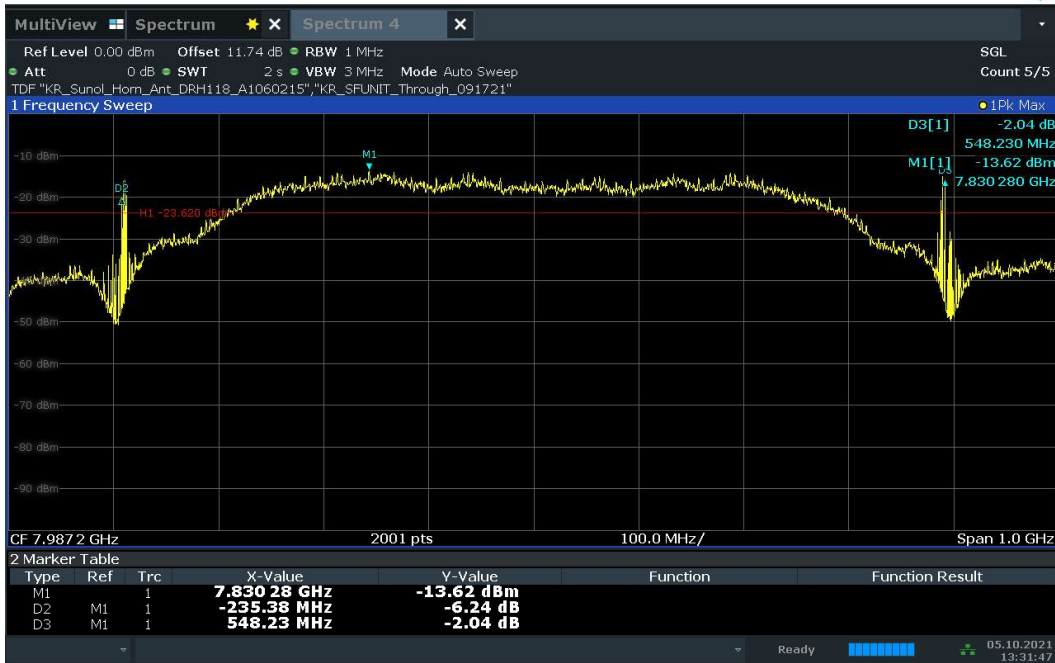


Plot 7-29. 10dBc Bandwidth – CH.9 – SP1 – Preamble 27



Plot 7-30. 10dBc Bandwidth – CH.9 – SP3 – Preamble 27

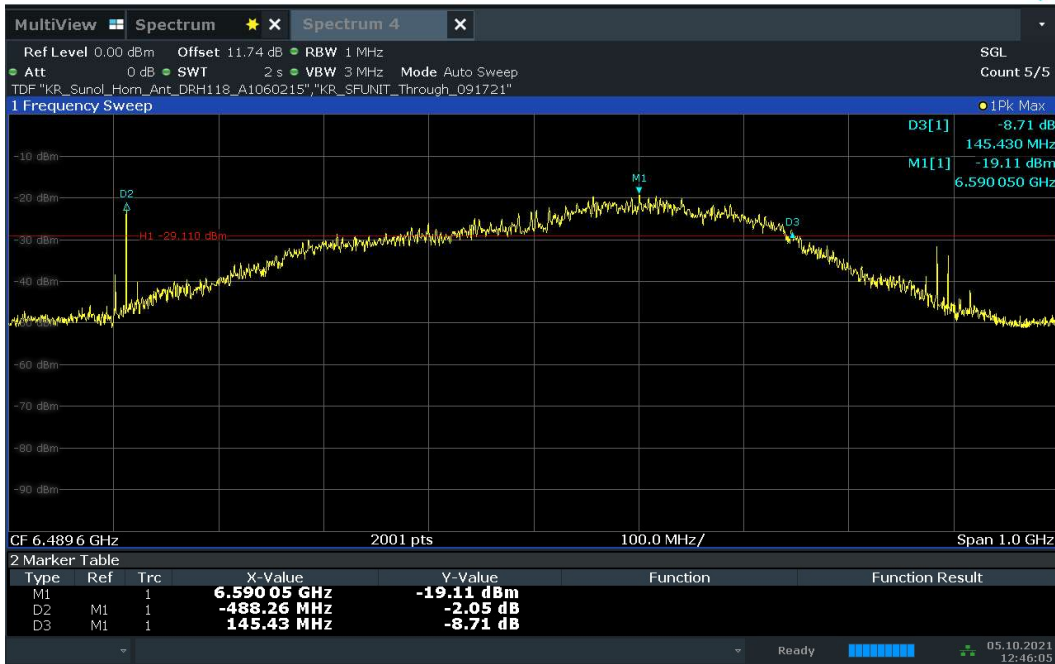
FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 27 of 86

Frequency [GHz]	Channel	Preamble Id	Config	Mode	F _M [GHz]	F _L [GHz]	F _H [GHz]	F _c [GHz]	Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
6.5	5	9	SP0	BPRF	6.590	6.102	6.735	6.419	634	500	Pass
		9	SP1	BPRF	6.613	6.103	6.751	6.427	649	500	Pass
		9	SP3	BPRF	6.616	6.102	6.751	6.426	649	500	Pass
		10	SP0	BPRF	6.510	6.101	6.883	6.492	782	500	Pass
		10	SP1	BPRF	6.616	6.101	6.883	6.492	782	500	Pass
		10	SP3	BPRF	6.613	6.100	6.882	6.491	782	500	Pass
		11	SP0	BPRF	6.578	6.102	6.751	6.427	650	500	Pass
		11	SP1	BPRF	6.616	6.100	6.882	6.491	782	500	Pass
		11	SP3	BPRF	6.613	6.097	6.879	6.488	782	500	Pass
		12	SP0	BPRF	6.627	6.102	6.739	6.421	637	500	Pass
		12	SP1	BPRF	6.616	6.100	6.882	6.491	782	500	Pass
		12	SP3	BPRF	6.616	6.103	6.751	6.427	648	500	Pass
		27	SP0	HPRF	6.560	6.099	6.881	6.490	782	500	Pass
		27	SP1	HPRF	6.560	6.097	6.879	6.488	782	500	Pass
		27	SP3	HPRF	6.552	6.098	6.880	6.489	782	500	Pass
8.0	9	9	SP0	BPRF	8.002	7.596	8.208	7.902	611	500	Pass
		9	SP1	BPRF	8.019	7.596	8.225	7.911	629	500	Pass
		9	SP3	BPRF	8.019	7.597	8.225	7.911	628	500	Pass
		10	SP0	BPRF	7.992	7.596	8.177	7.886	581	500	Pass
		10	SP1	BPRF	7.992	7.596	8.202	7.899	606	500	Pass
		10	SP3	BPRF	8.018	7.594	8.225	7.910	631	500	Pass
		11	SP0	BPRF	7.991	7.599	8.225	7.912	625	500	Pass
		11	SP1	BPRF	8.018	7.596	8.235	7.915	639	500	Pass
		11	SP3	BPRF	8.019	7.598	8.225	7.912	627	500	Pass
		12	SP0	BPRF	8.011	7.594	8.217	7.905	622	500	Pass
		12	SP1	BPRF	8.018	7.599	8.225	7.912	626	500	Pass
		12	SP3	BPRF	8.018	7.595	8.225	7.910	630	500	Pass
		27	SP0	HPRF	7.995	7.598	8.237	7.918	639	500	Pass
		27	SP1	HPRF	7.995	7.598	8.237	7.917	639	500	Pass
		27	SP3	HPRF	8.050	7.596	8.220	7.908	624	500	Pass

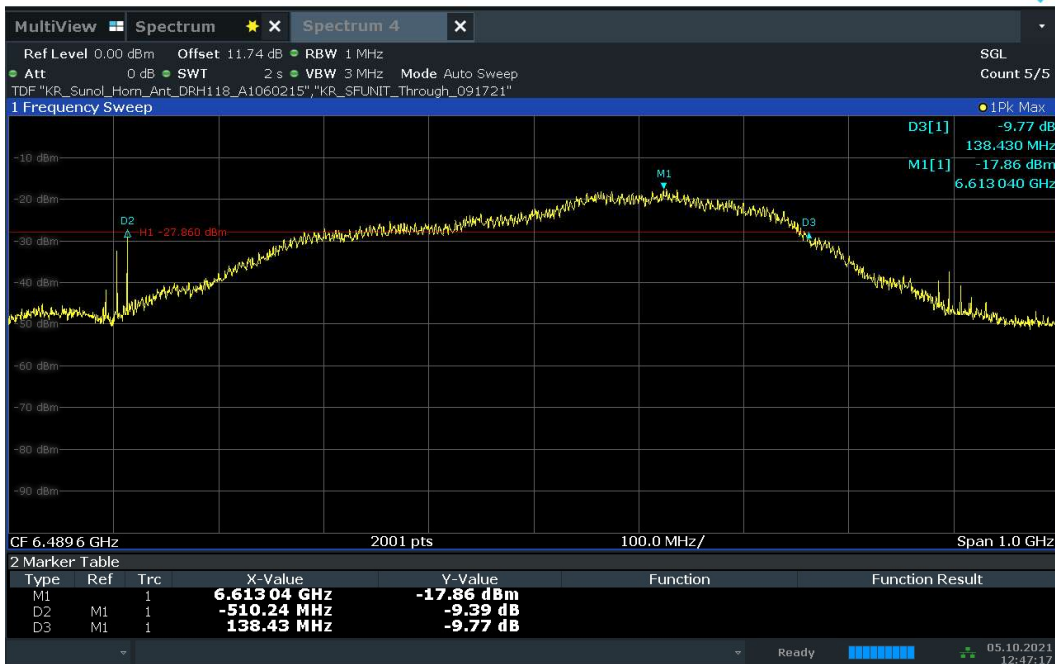
Table 7-3. UWB 10dBc Bandwidth Summary [ANT 2]

FCC ID : A3LSMS908E	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 28 of 86

10dBc Bandwidth Results – Ant 2



Plot 7-31. 10dBc Bandwidth – CH.5 - SP0 – Preamble 9

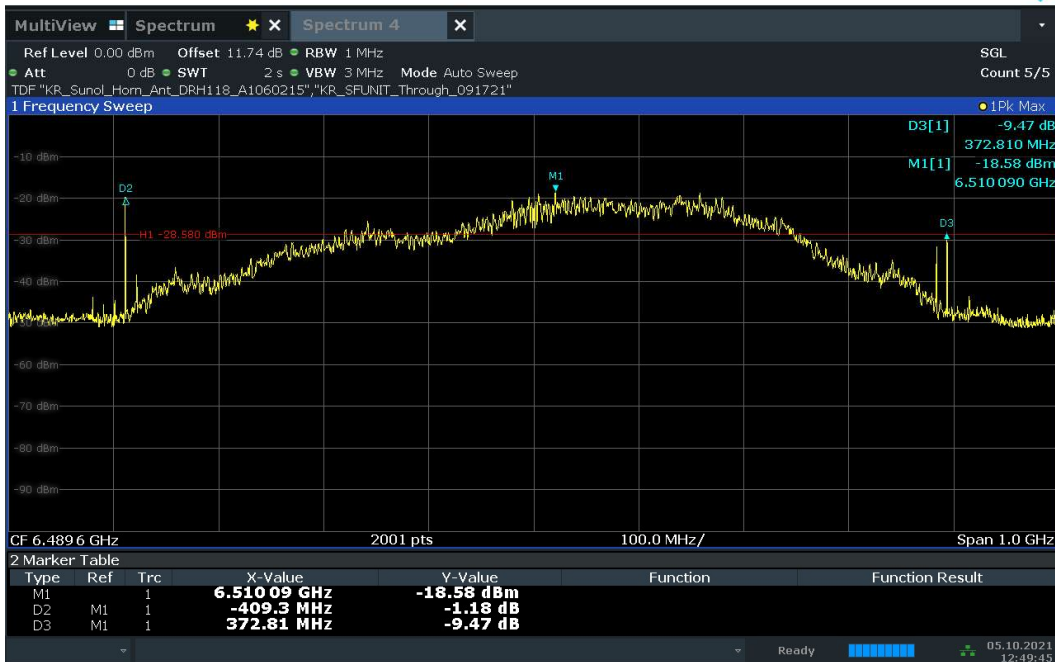


Plot 7-32. 10dBc Bandwidth – CH.5 – SP1 – Preamble 9

FCC ID : A3LSMS908E		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 29 of 86

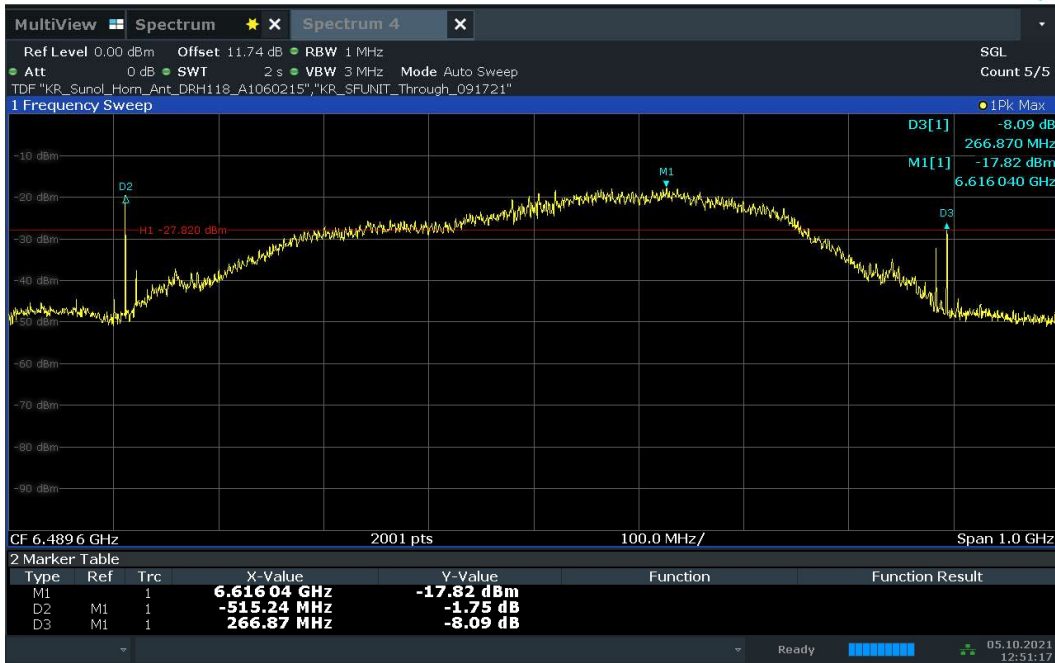


Plot 7-33. 10dBc Bandwidth – CH.5 – SP3 – Preamble 9

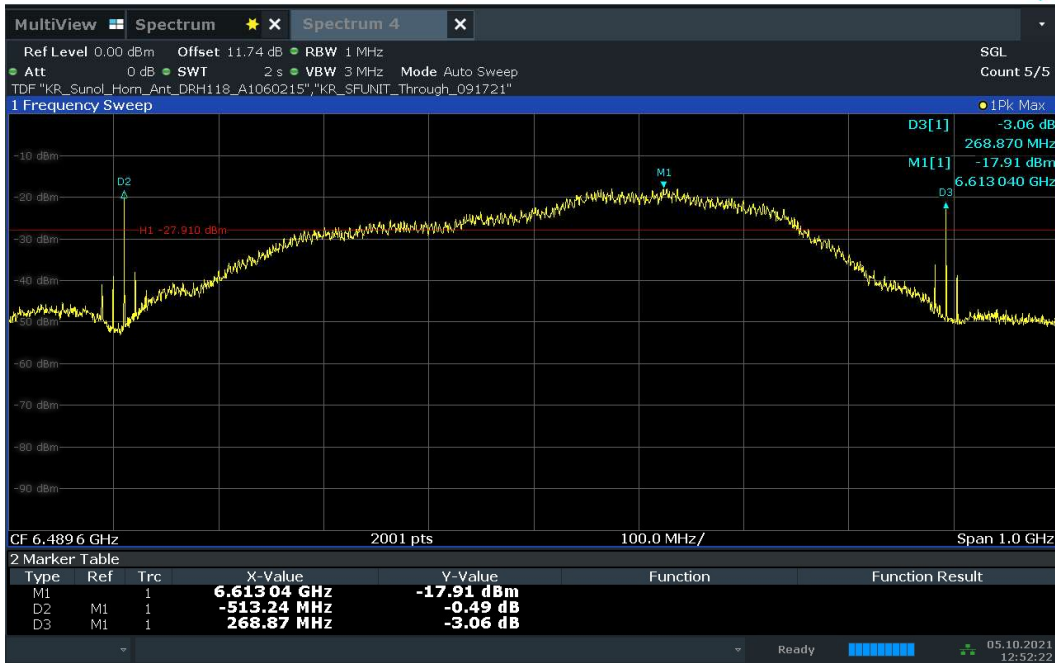


Plot 7-34. 10dBc Bandwidth – CH.5 - SP0 – Preamble 10

FCC ID : A3LSMS908E		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 30 of 86

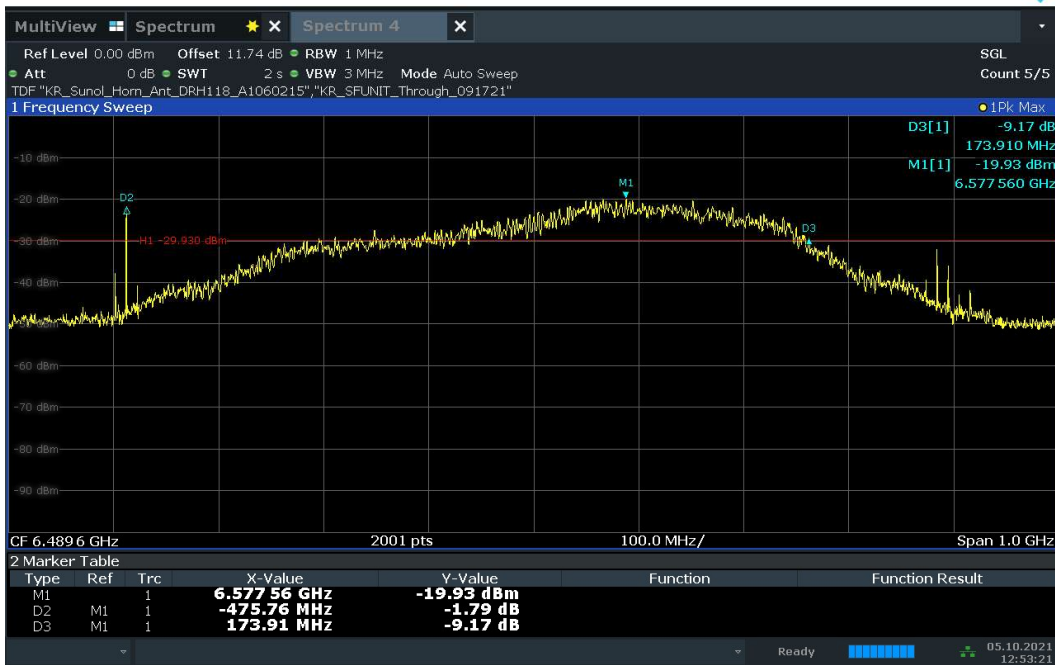


Plot 7-35. 10dBc Bandwidth – CH.5 – SP1 – Preamble 10

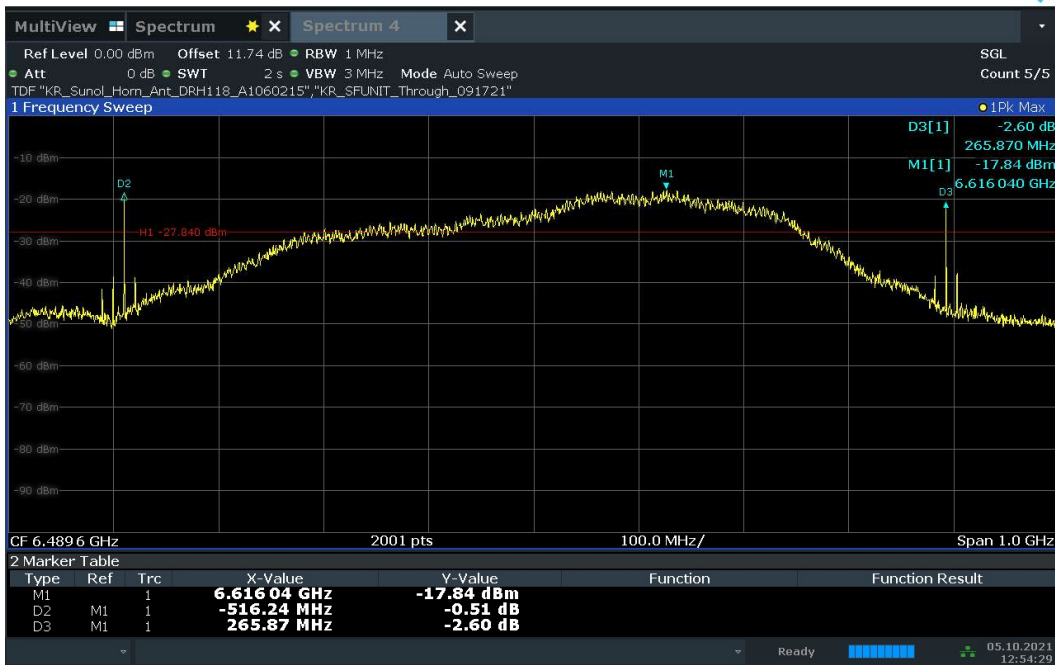


Plot 7-36. 10dBc Bandwidth – CH.5 – SP3 – Preamble 10

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 31 of 86

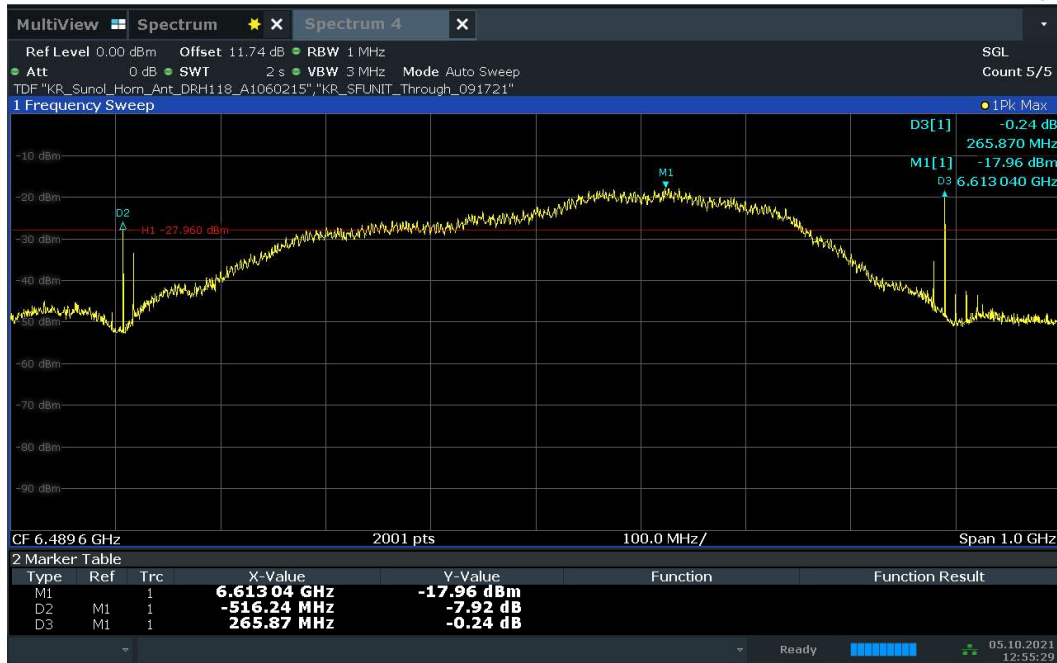


Plot 7-37. 10dBc Bandwidth – CH.5 - SP0 – Preamble 11

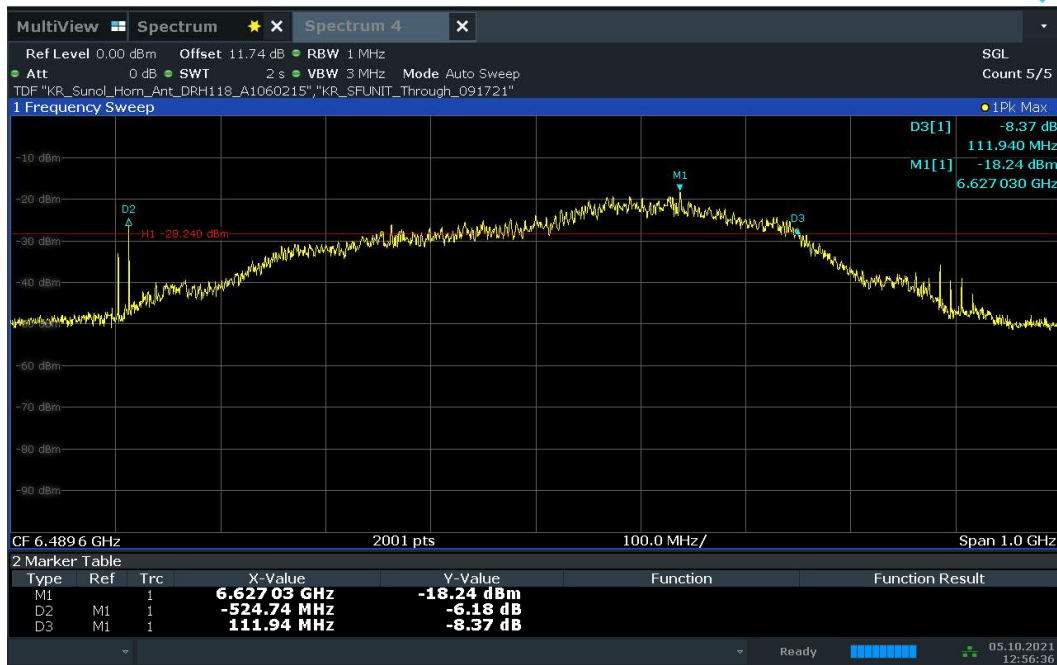


Plot 7-38. 10dBc Bandwidth – CH.5 – SP1 – Preamble 11

FCC ID : A3LSMS908E		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 32 of 86

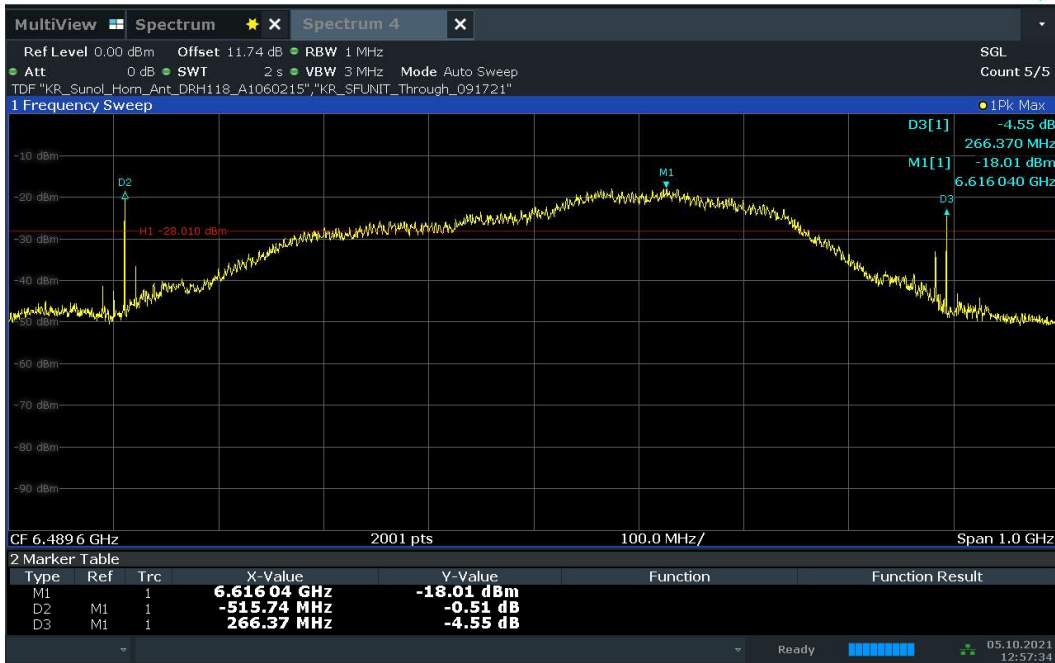


Plot 7-39. 10dBc Bandwidth – CH.5 – SP3 – Preamble 11

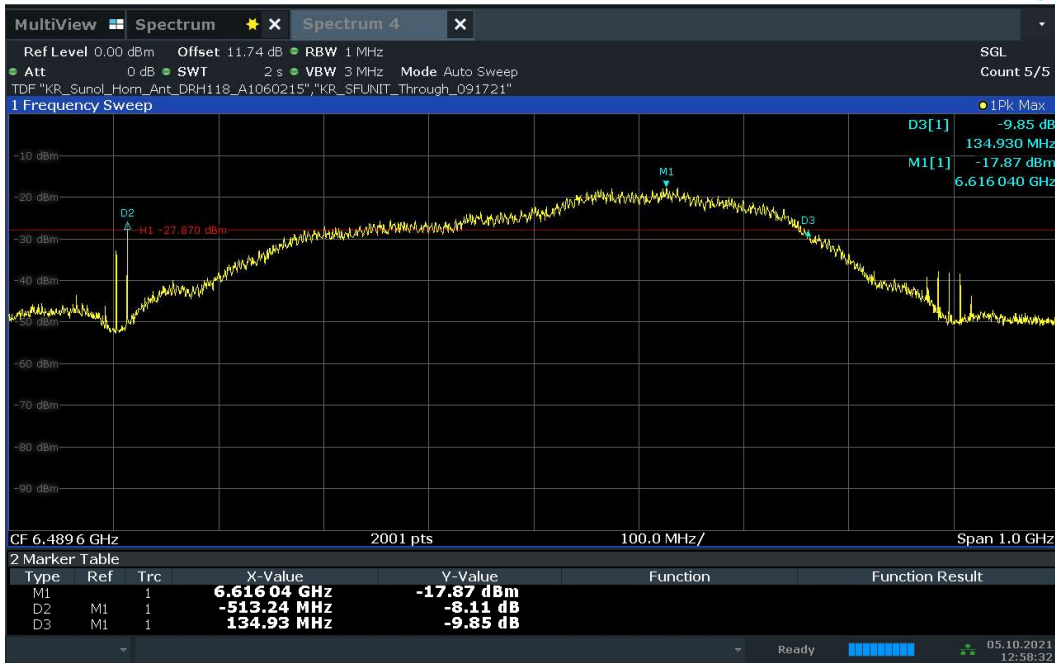


Plot 7-40. 10dBc Bandwidth – CH.5 - SP0 – Preamble 12

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 33 of 86

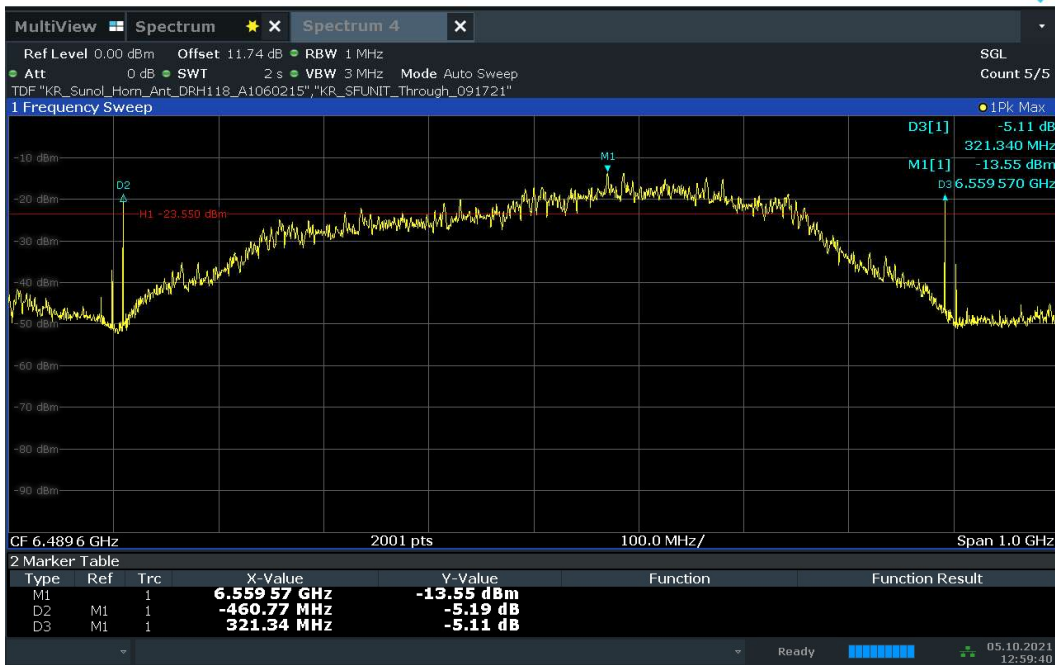


Plot 7-41. 10dBc Bandwidth – CH.5 – SP1 – Preamble 12

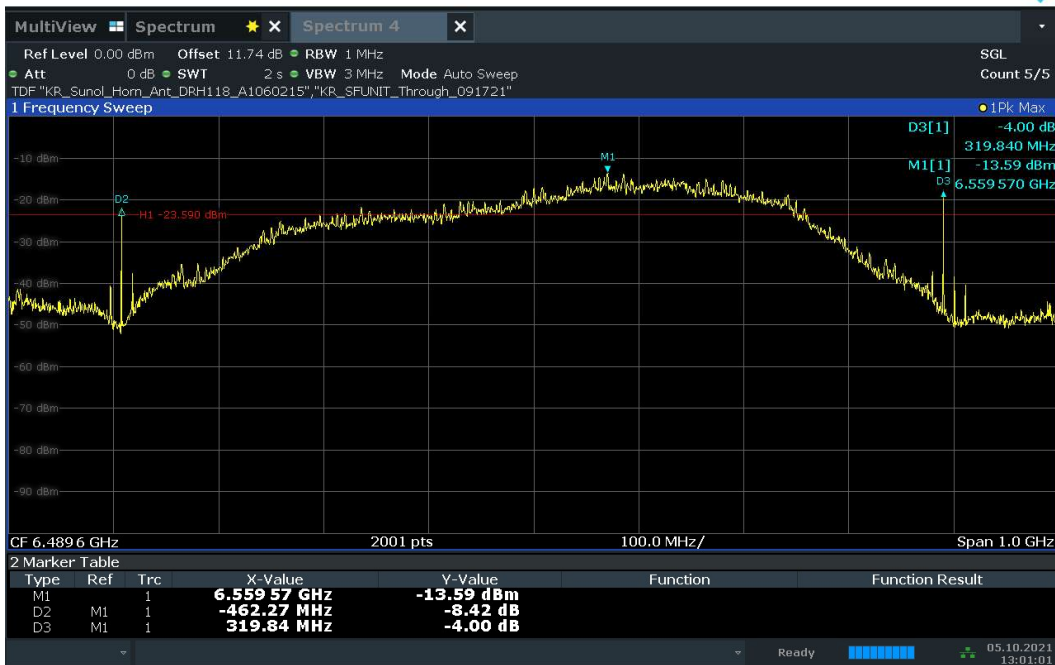


Plot 7-42. 10dBc Bandwidth – CH.5 – SP3 – Preamble 12

FCC ID : A3LSMS908E		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 34 of 86

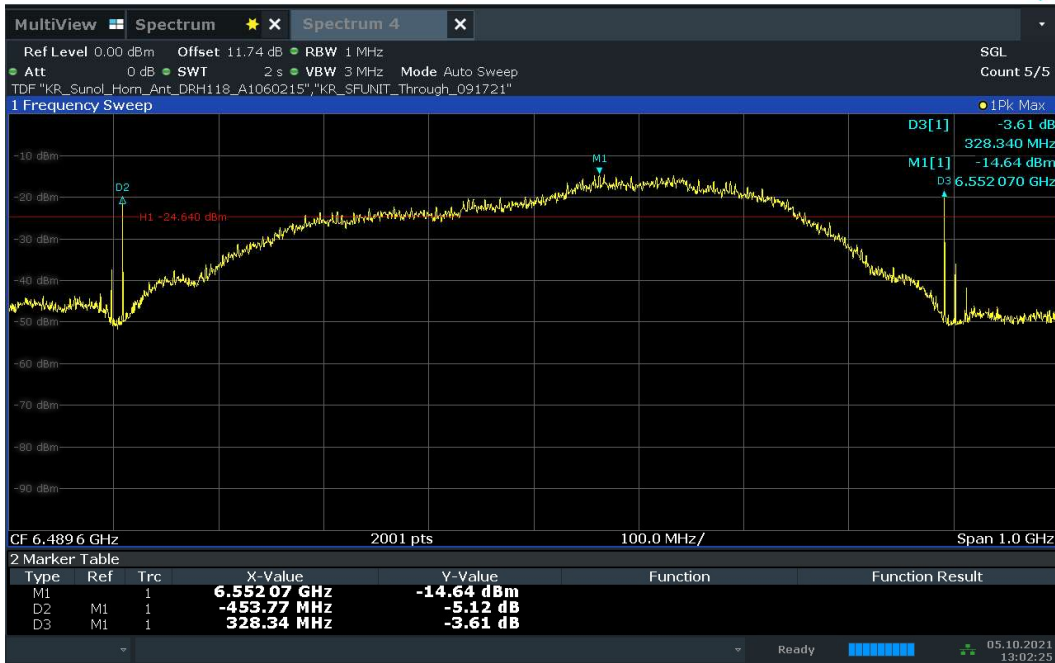


Plot 7-43. 10dBc Bandwidth – CH.5 - SP0 – Preamble 27

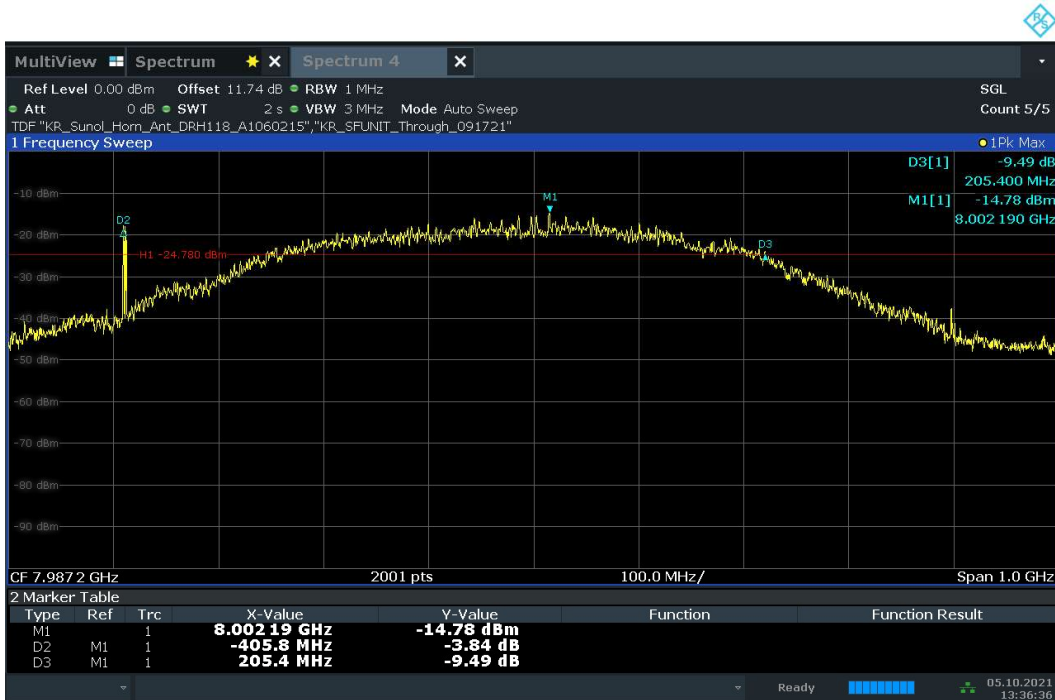


Plot 7-44. 10dBc Bandwidth – CH.5 – SP1 – Preamble 27

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 35 of 86

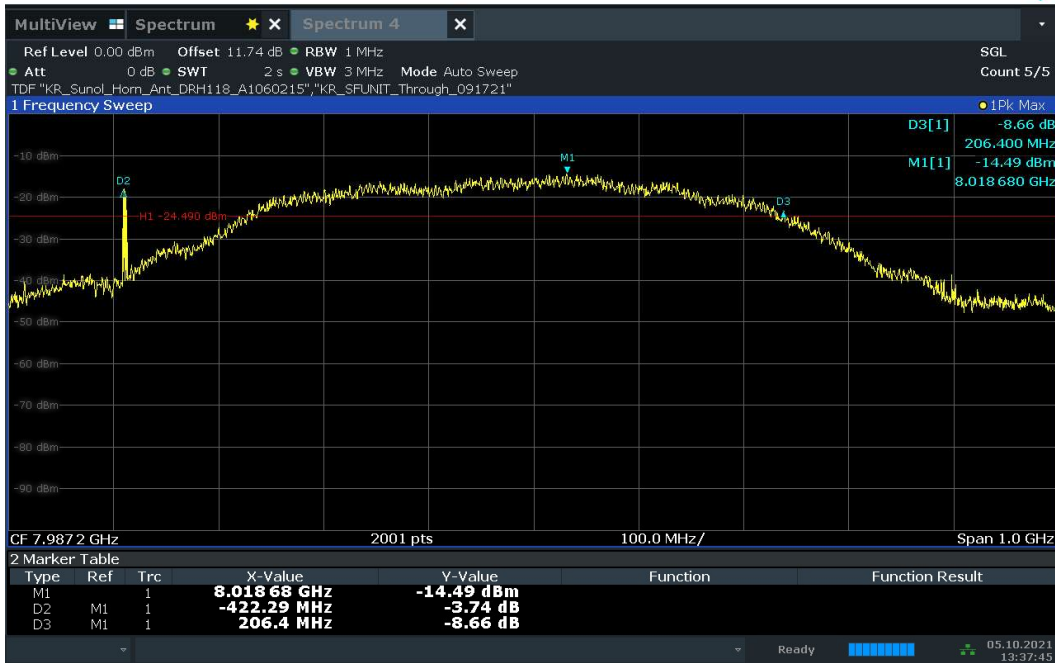


Plot 7-45. 10dBc Bandwidth – CH.5 – SP3 – Preamble 27

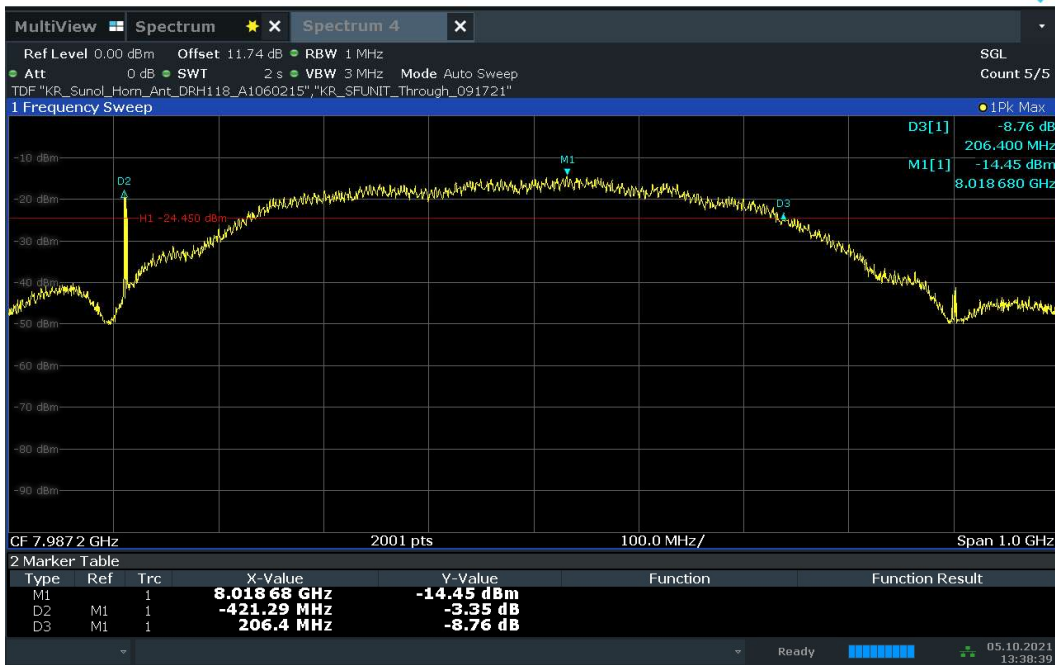


Plot 7-46. 10dBc Bandwidth – CH.9 - SP0 – Preamble 9

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 36 of 86

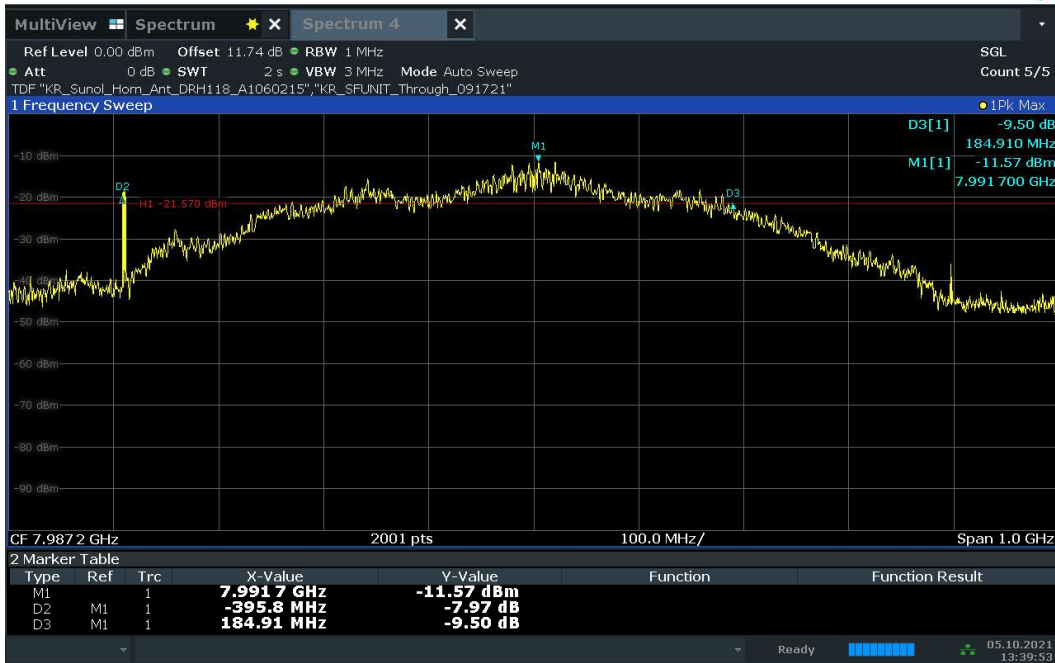


Plot 7-47. 10dBc Bandwidth – CH.9 – SP1 – Preamble 9

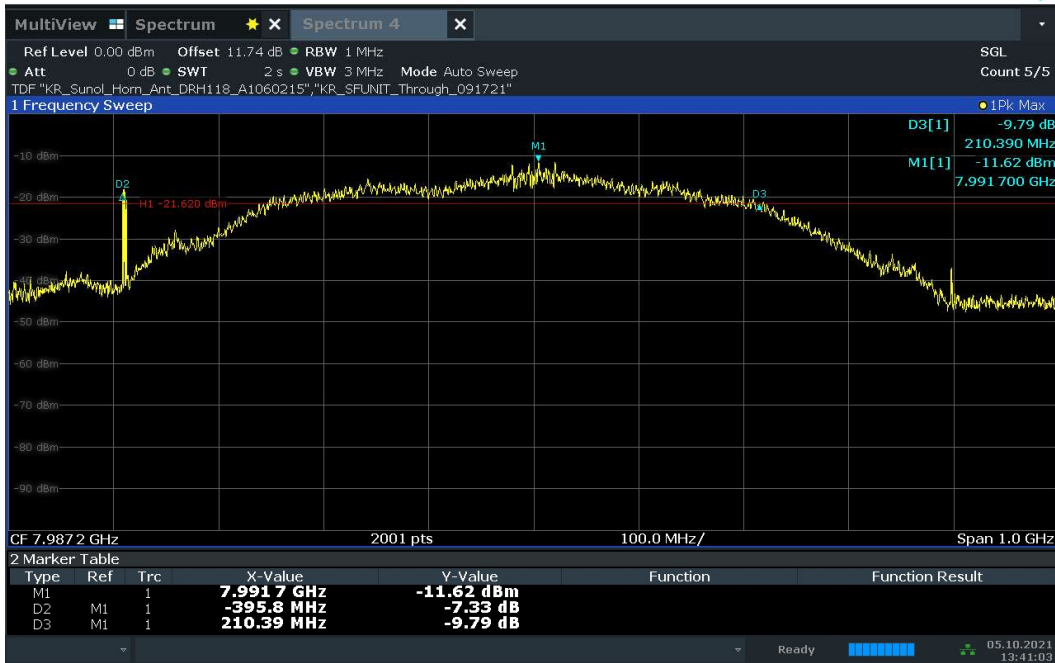


Plot 7-48. 10dBc Bandwidth – CH.9 – SP3 – Preamble 9

FCC ID : A3LSMS908E		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 37 of 86

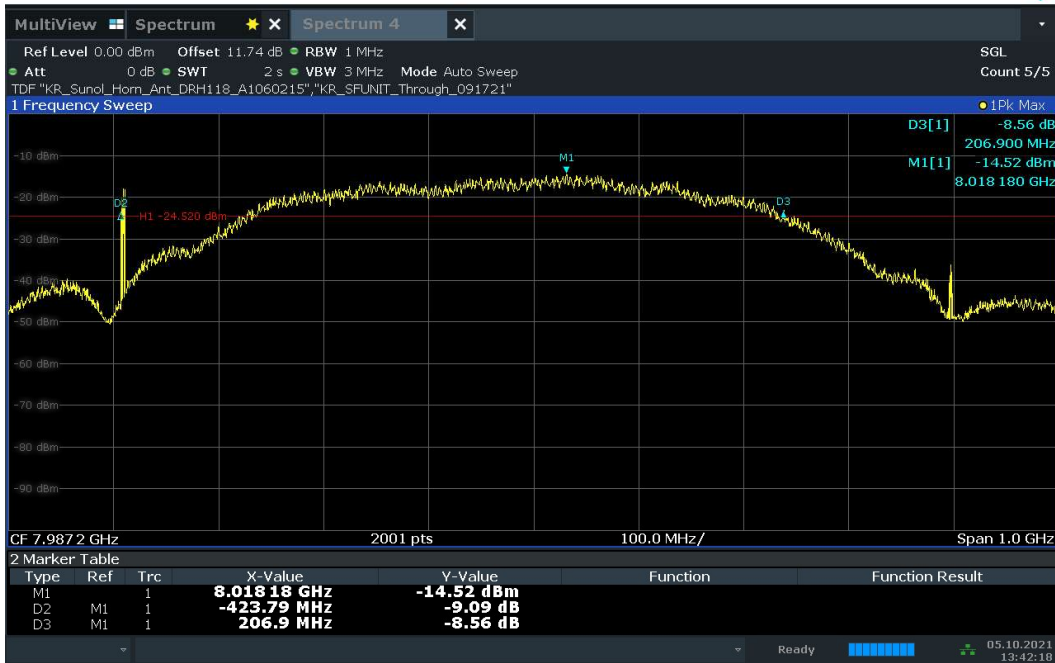


Plot 7-49. 10dBc Bandwidth – CH.9 - SP0 – Preamble 10

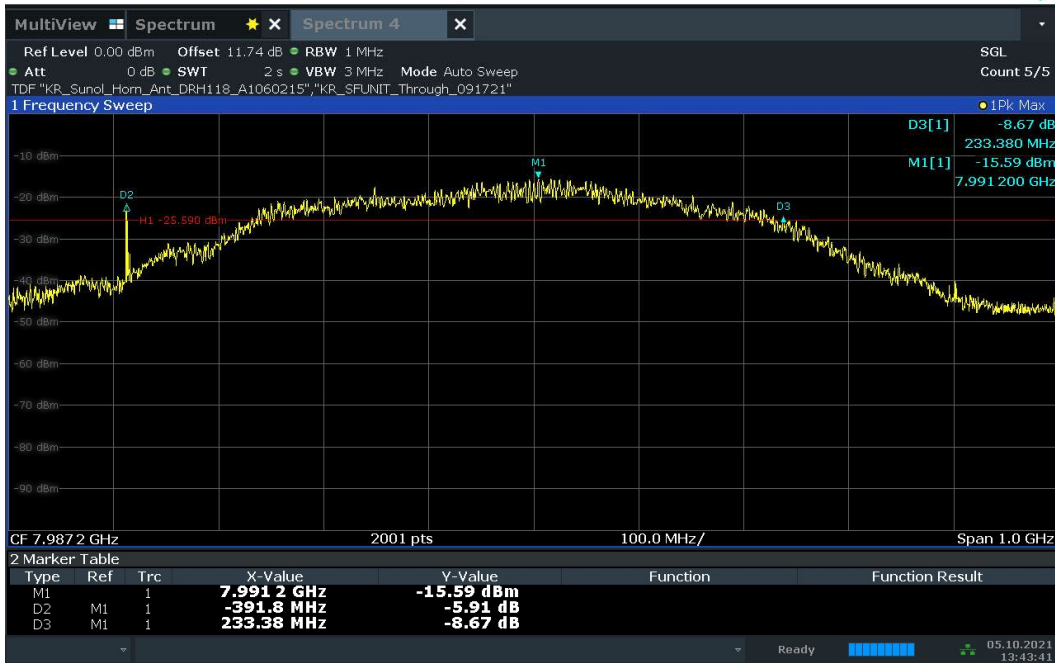


Plot 7-50. 10dBc Bandwidth – CH.9 – SP1 – Preamble 10

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 38 of 86

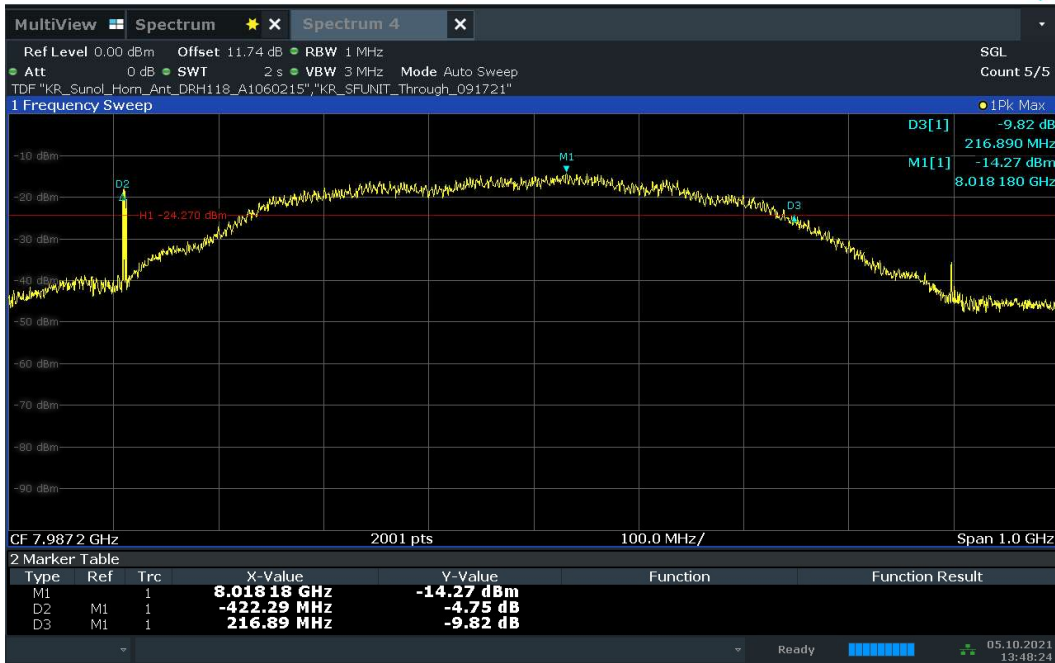


Plot 7-51. 10dBc Bandwidth – CH.9 – SP3 – Preamble 10

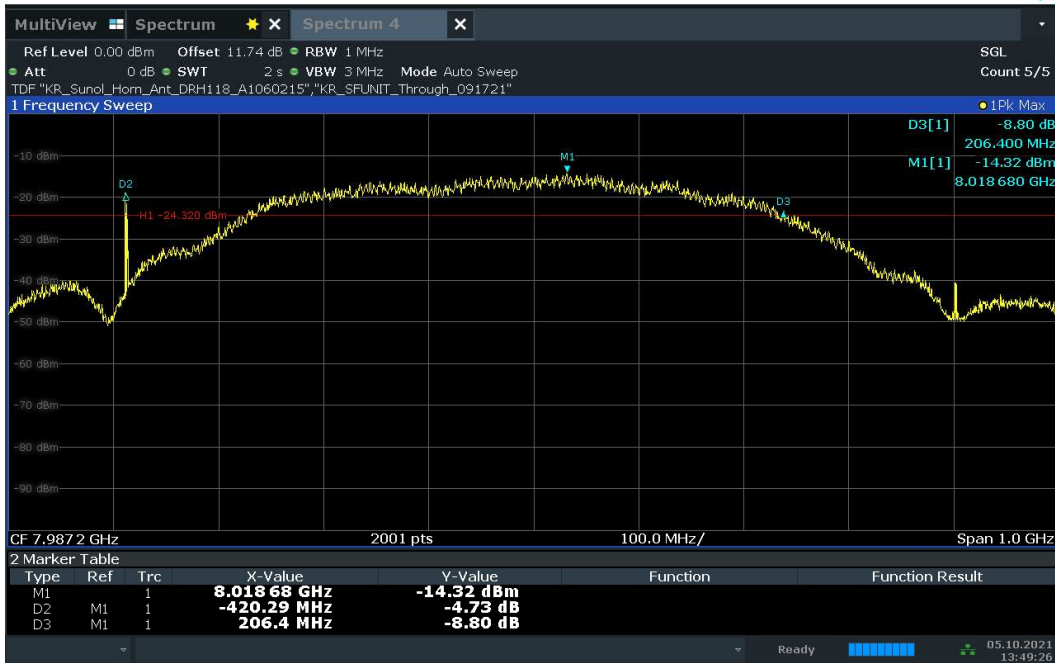


Plot 7-52. 10dBc Bandwidth – CH.9 - SP0 – Preamble 11

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 39 of 86

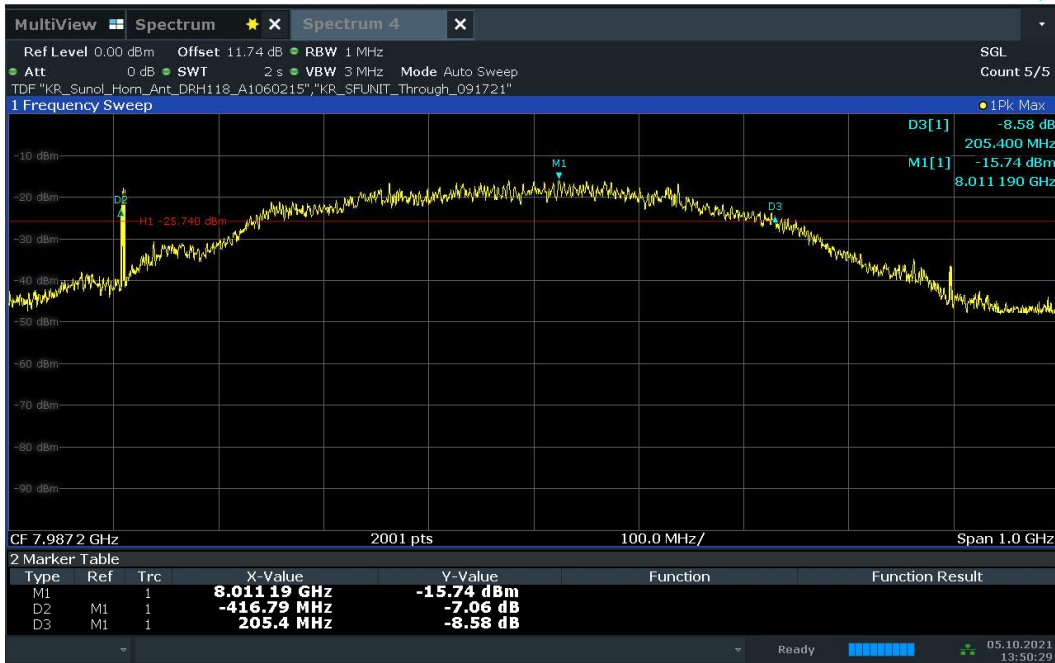


Plot 7-53. 10dBc Bandwidth – CH.9 – SP1 – Preamble 11

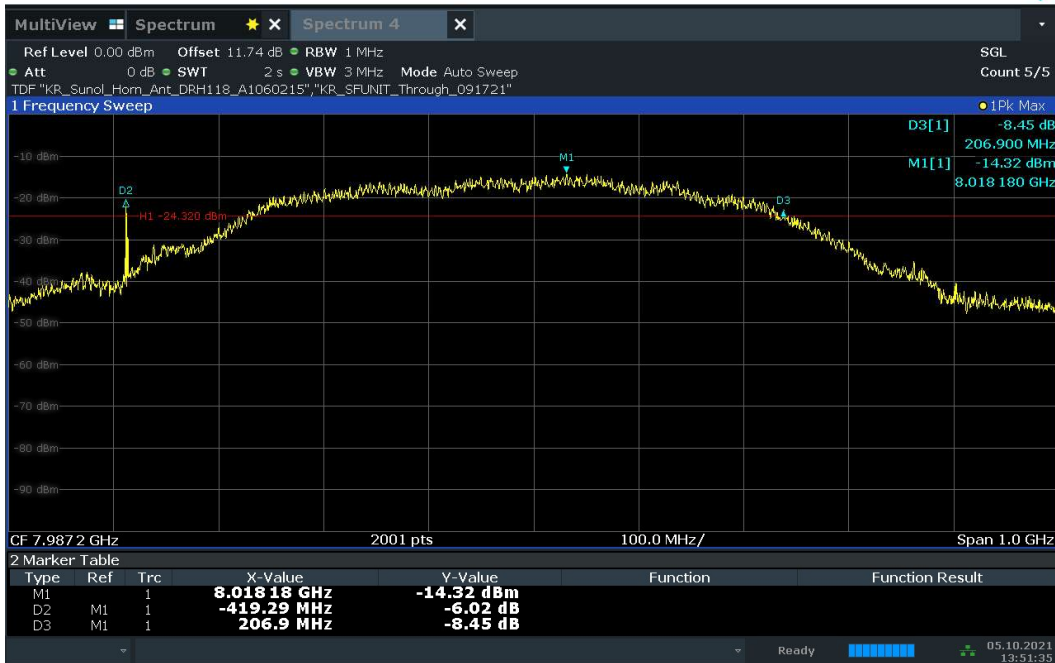


Plot 7-54. 10dBc Bandwidth – CH.9 – SP3 – Preamble 11

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 40 of 86

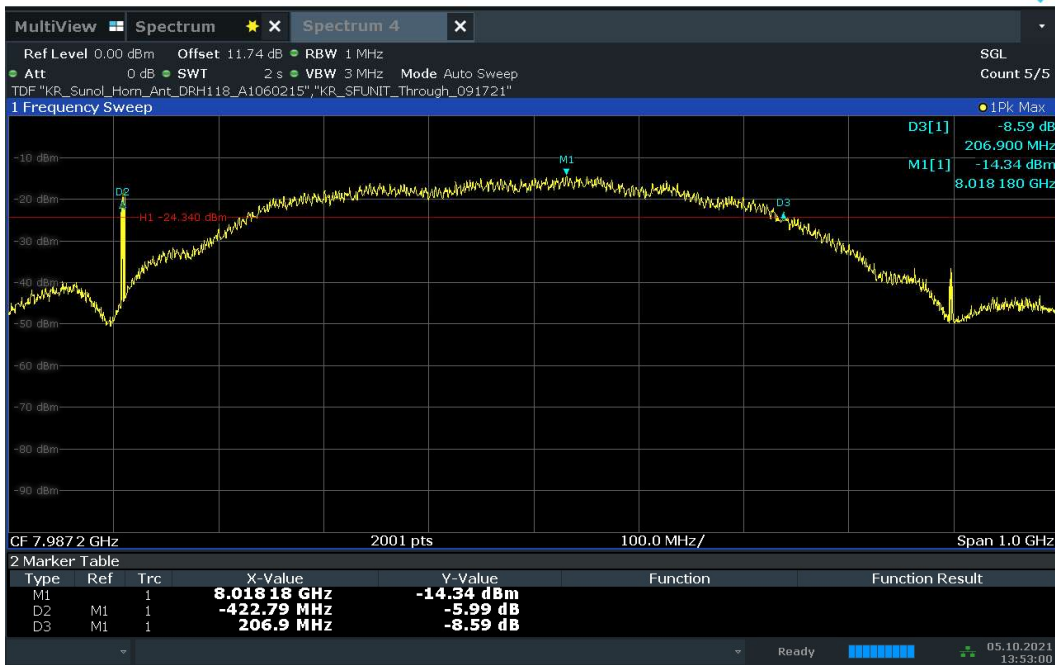


Plot 7-55. 10dBc Bandwidth – CH.9 - SP0 – Preamble 12

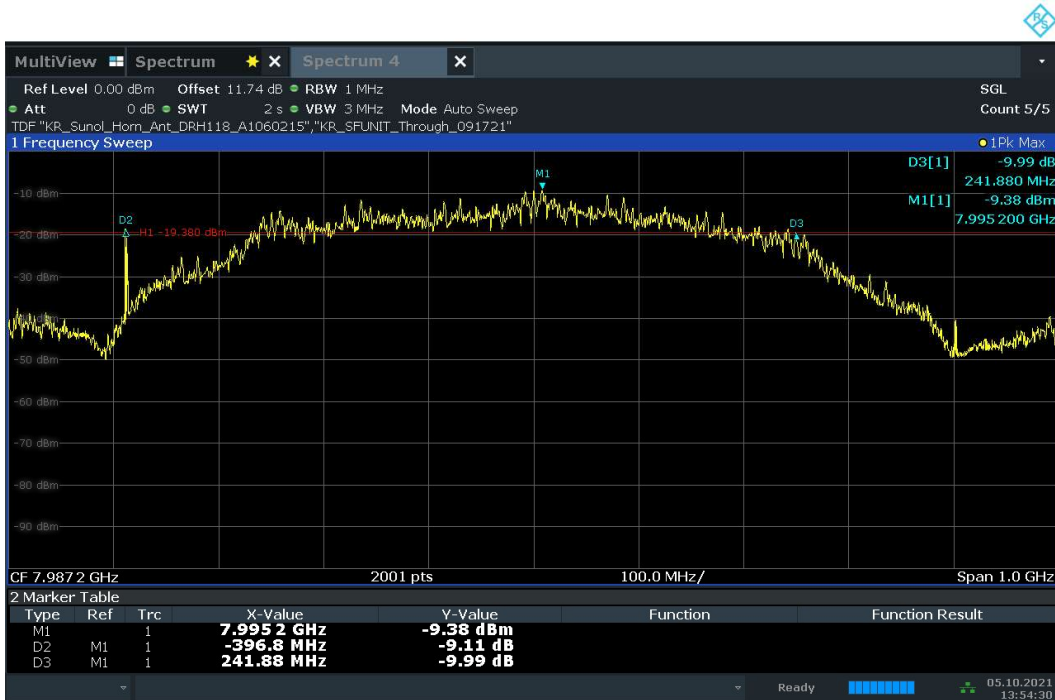


Plot 7-56. 10dBc Bandwidth – CH.9 – SP1 – Preamble 12

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 41 of 86

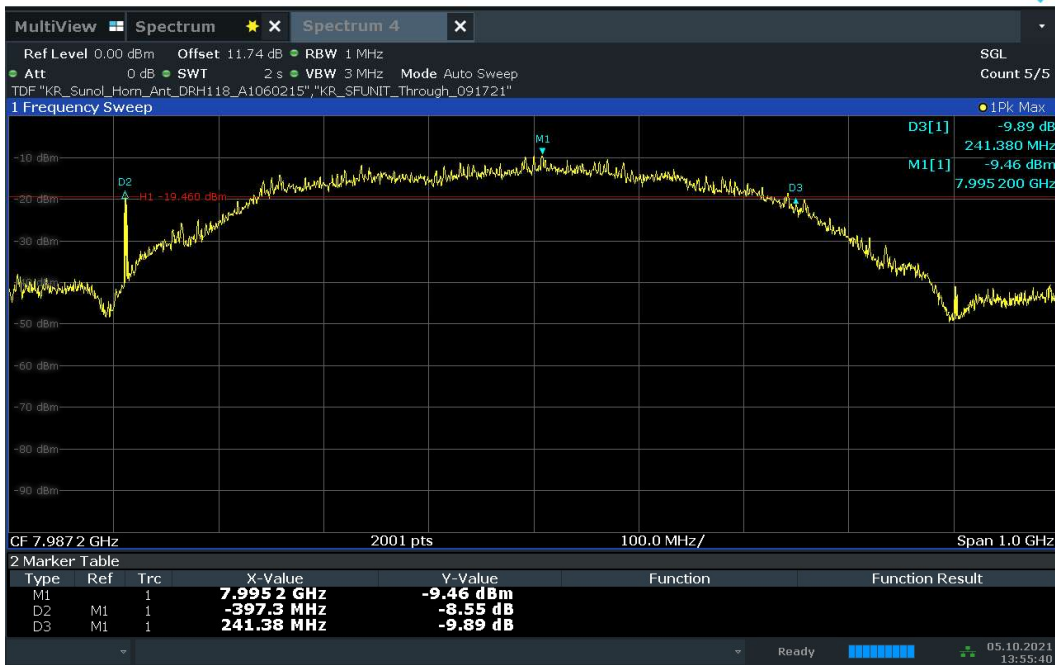


Plot 7-57. 10dBc Bandwidth – CH.9 – SP3 – Preamble 12

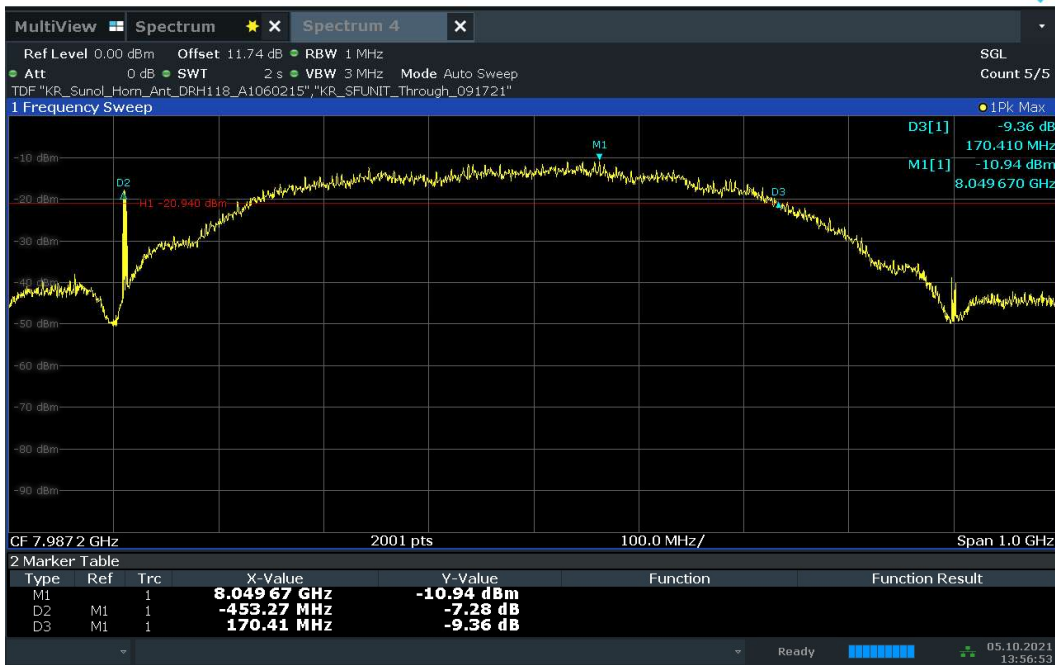


Plot 7-58. 10dBc Bandwidth – CH.9 - SP0 – Preamble 27

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 42 of 86



Plot 7-59. 10dBc Bandwidth – CH.9 – SP1 – Preamble 27



Plot 7-60. 10dBc Bandwidth – CH.9 – SP3 – Preamble 27

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 43 of 86

7.3 Cessation Time §15.519(a)(1)

Test Overview and Limit

§15.519(a)(1) A UWB device operating under the provisions of this section shall transmit only when it is sending information to an associated receiver. The UWB intentional radiator shall cease transmission within 10 seconds unless it receives an acknowledgment from the associated receiver that its transmission is being received an acknowledgment of reception must continue to be received by the UWB intentional radiator at least every 10 seconds or the UWB device must cease transmitting.

Test Settings

1. RBW = 1MHz
2. VBW = 3MHz
3. Span = 0 Span Mode
4. Sweep time shall be sufficient to demonstrate EUTs compliance with the rule part.
5. Vertical Markers are placed to indicate the point in which the receiver ceases acknowledging the EUT and the point 10s after.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

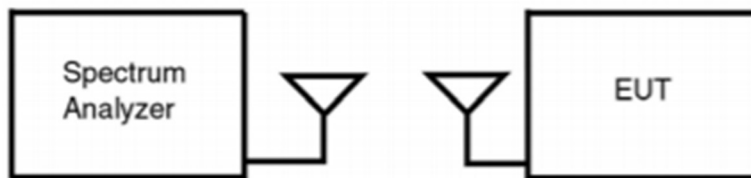
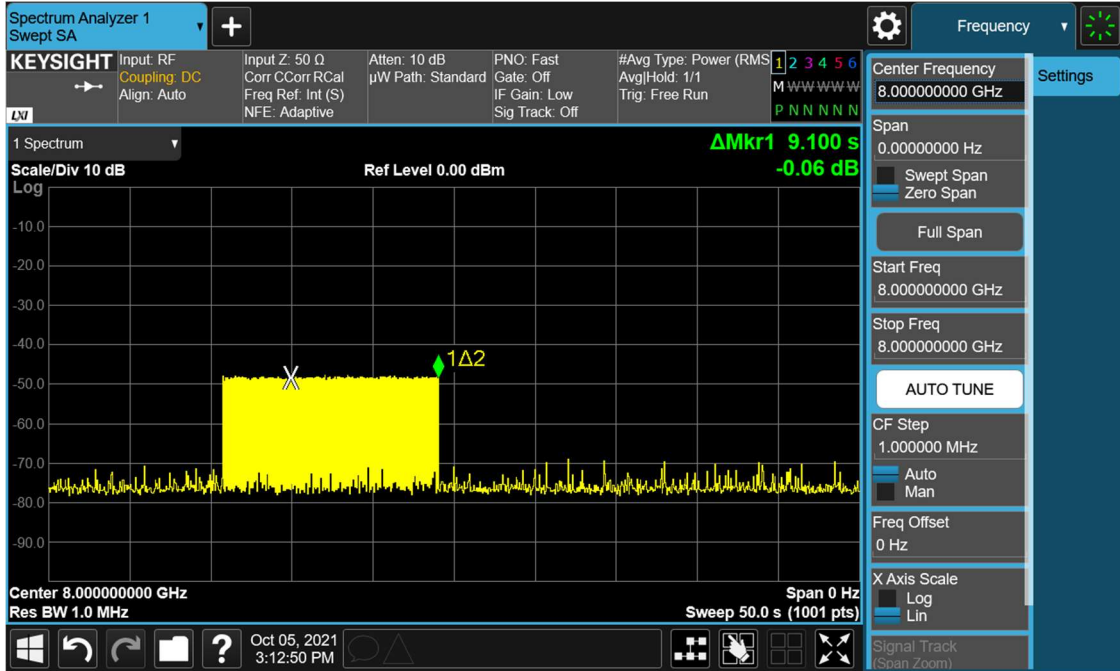


Figure 7-2. Test Instrument and Measurement Setup

FCC ID : A3LSMS908E		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset	Page 44 of 86	



Plot 7-61. Cessation Time Plot

FCC ID : A3LSMS908E	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2109220110-17.A3L	Test Dates: 9/27 – 10/10/2021	EUT Type: Portable Handset		Page 45 of 86