



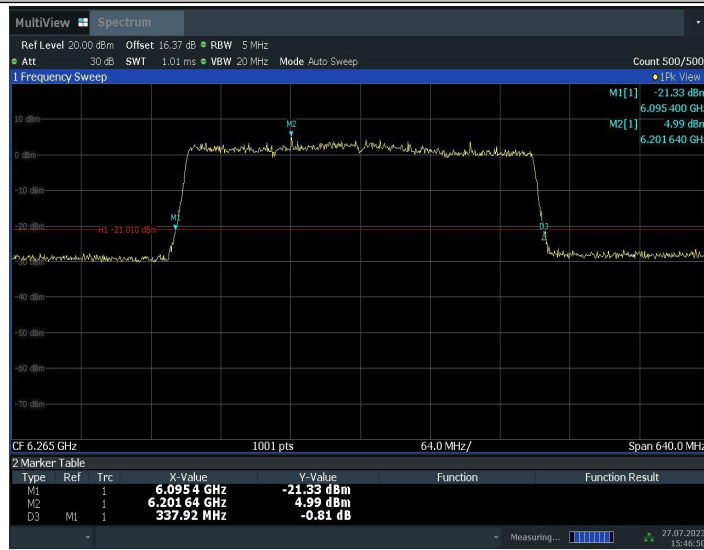
11BE320MIMO_Ant2_6105



11BE320MIMO_Ant1_6265



11BE320MIMO_Ant2_6265



15:46:50 27.07.2023

11BE320MIMO_Ant1_6425



15:47:04 27.07.2023

11BE320MIMO_Ant2_6425



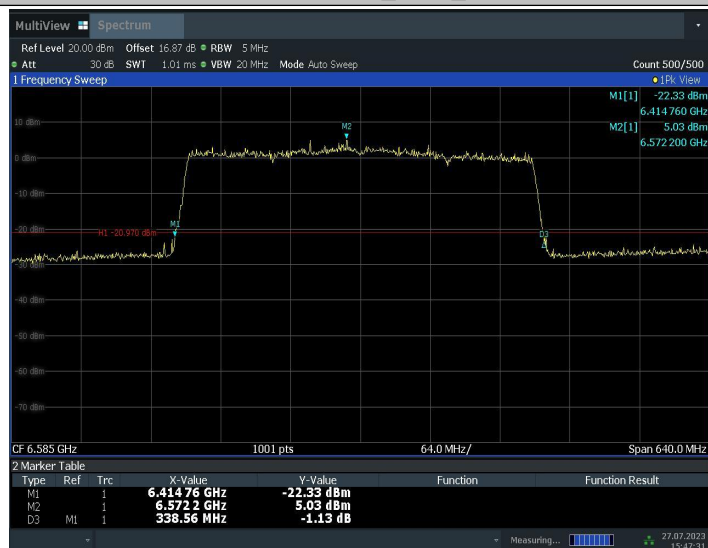
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11BE320MIMO_Ant2_6585



15:47:32 27.07.2023

11BE320MIMO_Ant1_6745



15:47:44 27.07.2023

11BE320MIMO_Ant2_6745



15:47:51 27.07.2023

11BE320MIMO_Ant1_6905



11BE320MIMO_Ant2_6905



A.5. 99% Occupied bandwidth

Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- Step a) through step c) might require iteration to adjust within the specified range.
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Measurement Limit:

99% of the occupied bandwidth must be contained within all the U-NII sub-bands authorized for that equipment class. The limit for the 320 MHz channel is 320MHz.

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]
11a	Ant2	5955	18.104	5945.8618	5963.9658
	Ant2	6175	18.062	6165.8970	6183.9594
	Ant2	6415	18.096	6405.8880	6423.9838
	Ant2	6435	18.135	6425.7811	6443.9165
	Ant2	6475	18.098	6465.8185	6483.9168
	Ant2	6515	18.106	6505.8407	6523.9469
	Ant2	6535	18.123	6525.7993	6543.9227
	Ant2	6695	18.105	6685.8989	6704.0043
	Ant2	6855	18.124	6845.8794	6864.0037
	Ant2	6875	18.153	6865.8408	6883.9940
	Ant2	6895	18.182	6885.7755	6903.9573
	Ant2	6995	18.093	6985.8729	7003.9660
Ant2	7115	19.398	7105.1316	7124.5300	
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]
11BE20MIMO full RU	Ant1	5955	19.554	5945.1749	5964.7290
	Ant2	5955	19.415	5945.2685	5964.6833
	Ant1	6175	19.489	6165.2441	6184.7328
	Ant2	6175	19.434	6165.2447	6184.6787
	Ant1	6415	19.534	6405.1768	6424.7106
	Ant2	6415	19.383	6405.2862	6424.6690
	Ant1	6435	19.485	6425.2338	6444.7193
	Ant2	6435	19.429	6425.2631	6444.6922
	Ant1	6475	19.411	6465.2663	6484.6777
	Ant2	6475	19.424	6465.2448	6484.6684
	Ant1	6515	19.333	6505.2637	6524.5972
	Ant2	6515	19.433	6505.2481	6524.6815

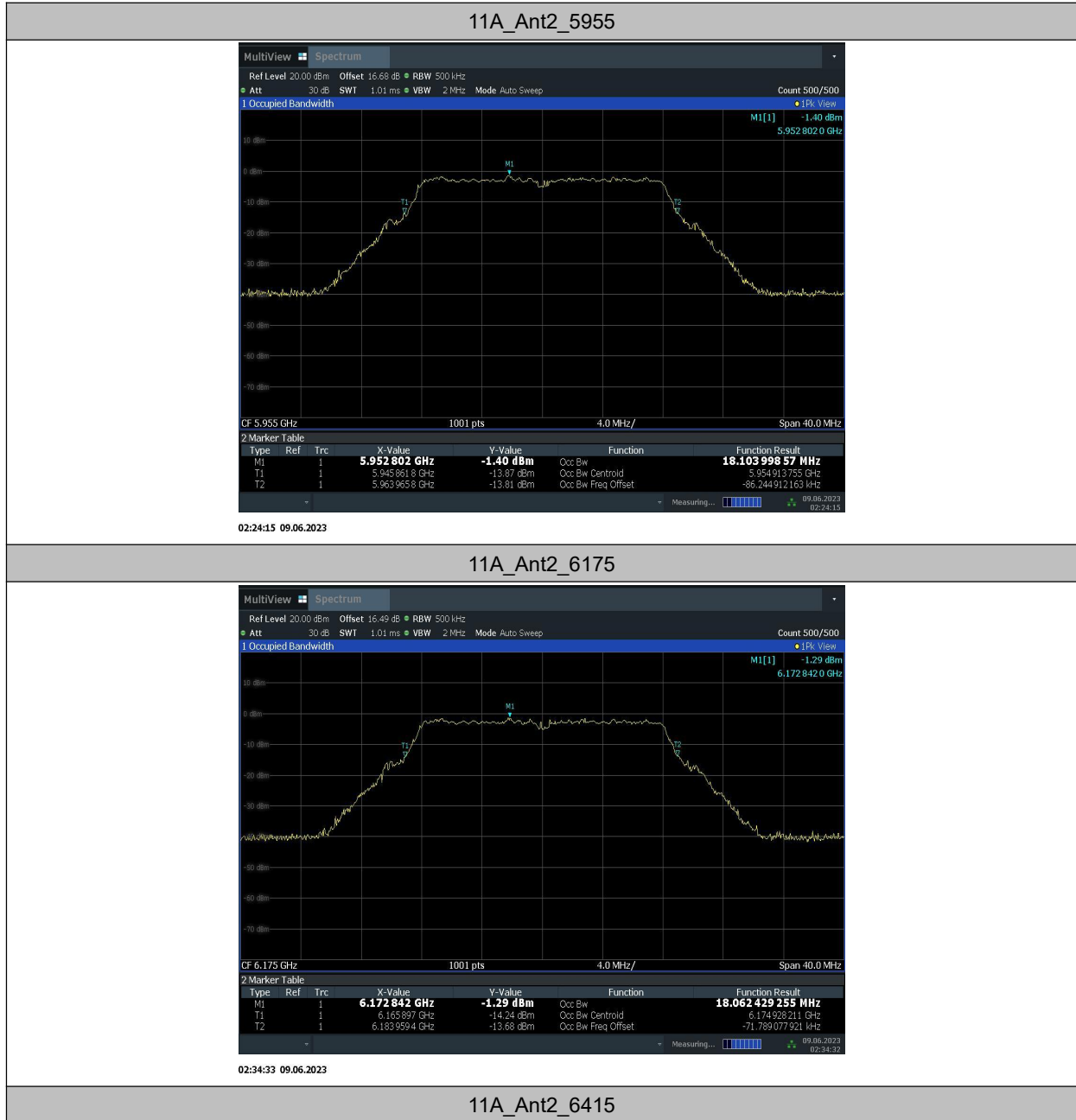
	Ant1	6535	19.4	6525.2737	6544.6733
	Ant2	6535	19.417	6525.2878	6544.7045
	Ant1	6695	19.222	6685.3854	6704.6071
	Ant2	6695	19.392	6685.2803	6704.6724
	Ant1	6855	19.293	6845.3543	6864.6470
	Ant2	6855	19.411	6845.2717	6864.6824
	Ant1	6875	19.192	6865.3962	6884.5881
	Ant2	6875	19.452	6865.2580	6884.7097
	Ant1	6895	19.243	6885.3703	6904.6129
	Ant2	6895	19.454	6885.2392	6904.6930
	Ant1	6995	19.297	6985.3790	7004.6758
	Ant2	6995	19.454	6985.3042	7004.7577
	Ant1	7115	19.32	7105.3298	7124.6498
	Ant2	7115	19.593	7105.1926	7124.7855
11BE40MIMO full RU	Ant1	5965	38.48	5945.7325	5984.2124
	Ant2	5965	38.626	5945.5504	5984.1762
	Ant1	6165	38.341	6145.8218	6184.1631
	Ant2	6165	38.615	6145.5966	6184.2112
	Ant1	6405	38.574	6385.7261	6424.3004
	Ant2	6405	38.632	6385.6648	6424.2969
	Ant1	6445	38.794	6425.5953	6464.3897
	Ant2	6445	38.59	6425.6915	6464.2818
	Ant1	6485	38.642	6465.6913	6504.3335
	Ant2	6485	38.565	6465.6663	6504.2309
	Ant1	6525	38.601	6505.7339	6544.3344
	Ant2	6525	38.631	6505.5867	6544.2178
	Ant1	6565	38.822	6545.6808	6584.5026
	Ant2	6565	38.609	6545.6359	6584.2448
	Ant1	6685	38.912	6665.5561	6704.4685
	Ant2	6685	38.536	6665.6832	6704.2196
	Ant1	6845	38.897	6825.4669	6864.3637
	Ant2	6845	38.674	6825.6150	6864.2893
	Ant1	6885	38.811	6865.5342	6904.3457
	Ant2	6885	38.658	6865.6427	6904.3003
	Ant1	6925	38.719	6905.5480	6944.2672
	Ant2	6925	38.66	6905.5932	6944.2530
	Ant1	6965	38.884	6945.4844	6984.3689
	Ant2	6965	38.635	6945.5833	6984.2180
11BE80MIMO full RU	Ant1	7085	38.753	7065.5349	7104.2876
	Ant2	7085	38.621	7065.6453	7104.2661
	Ant1	5985	78.243	5945.7308	6023.9740
	Ant2	5985	78.689	5945.4820	6024.1715
	Ant1	6145	78.248	6105.8116	6184.0594

	Ant2	6145	78.697	6105.5208	6184.2179
	Ant1	6385	78.685	6345.6846	6424.3695
	Ant2	6385	78.793	6345.4993	6424.2922
	Ant1	6465	78.625	6425.6910	6504.3156
	Ant2	6465	78.669	6425.5631	6504.2319
	Ant1	6545	78.715	6505.7663	6584.4813
	Ant2	6545	78.61	6505.5709	6584.1813
	Ant1	6625	79.03	6585.6102	6664.6399
	Ant2	6625	78.809	6585.4840	6664.2931
	Ant1	6705	78.888	6665.5306	6744.4183
	Ant2	6705	78.699	6665.5196	6744.2191
	Ant1	6785	79.152	6745.2830	6824.4346
	Ant2	6785	78.69	6745.4992	6824.1893
	Ant1	6865	78.924	6825.2844	6904.2088
	Ant2	6865	78.85	6825.4554	6904.3057
	Ant1	6945	79.102	6905.3515	6984.4537
	Ant2	6945	78.932	6905.3793	6984.3116
	Ant1	7025	78.995	6985.3603	7064.3555
	Ant2	7025	78.711	6985.6055	7064.3164
11BE160MIMO full RU	Ant1	6025	159.473	5945.7425	6105.2153
	Ant2	6025	159.17	5945.2113	6104.3818
	Ant1	6185	159.42	6105.4662	6264.8861
	Ant2	6185	159.149	6105.1319	6264.2807
	Ant1	6345	159.376	6265.6462	6425.0222
	Ant2	6345	159.314	6265.1928	6424.5070
	Ant1	6505	159.58	6425.4915	6585.0717
	Ant2	6505	159.315	6425.2858	6584.6003
	Ant1	6665	159.17	6585.6685	6744.8382
	Ant2	6665	159.313	6585.1809	6744.4941
	Ant1	6825	159.655	6744.9290	6904.5843
	Ant2	6825	159.545	6745.0806	6904.6260
	Ant1	6985	159.815	6905.0412	7064.8559
	Ant2	6985	159.378	6905.5176	7064.8957
11BE320MIMO full RU	Ant1	6105	318.045	5946.2141	6264.2594
	Ant2	6105	317.181	5945.2789	6262.4598
	Ant1	6265	319.034	6105.7916	6424.8255
	Ant2	6265	318.764	6104.9188	6423.6826
	Ant1	6425	319.195	6265.8848	6585.0796
	Ant2	6425	317.963	6265.9048	6583.8680
	Ant1	6585	318.166	6426.4894	6744.6552
	Ant2	6585	318.03	6425.5581	6743.5879
	Ant1	6745	317.42	6586.3045	6903.7247
	Ant2	6745	318.304	6585.5128	6903.8170

	Ant1	6905	319.07	6744.6826	7063.7529
	Ant2	6905	319.346	6745.1290	7064.4753

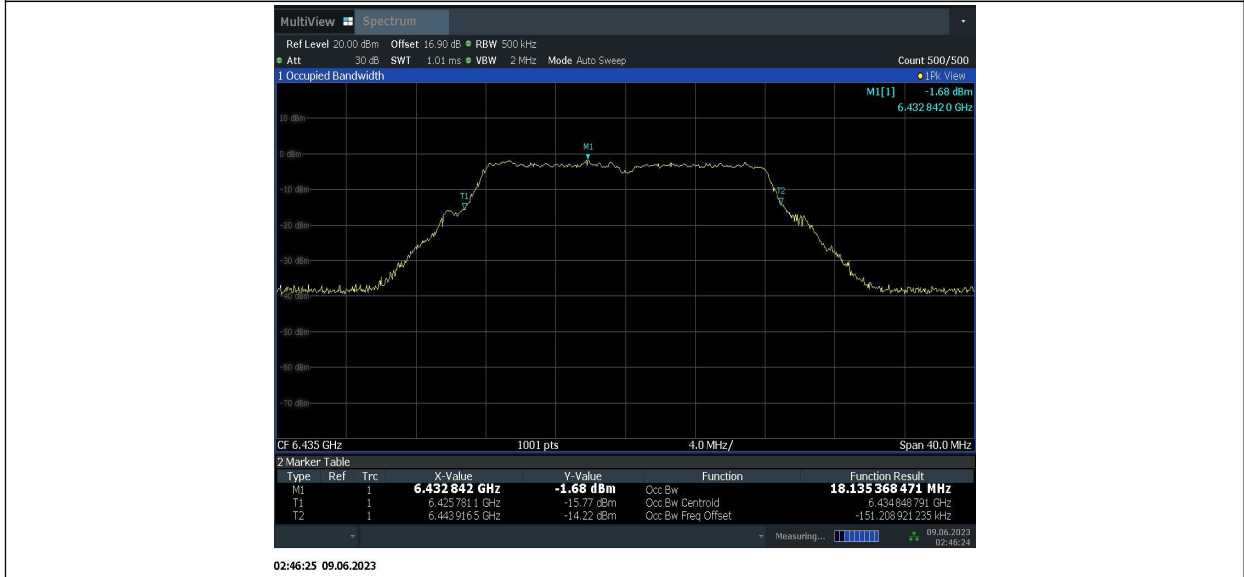
Note: Ant1 of the result table and result graph corresponds to ant7 of the EUT, ant2 of the result table and result graph corresponds to ant10 of the EUT.

Test graphs as below:

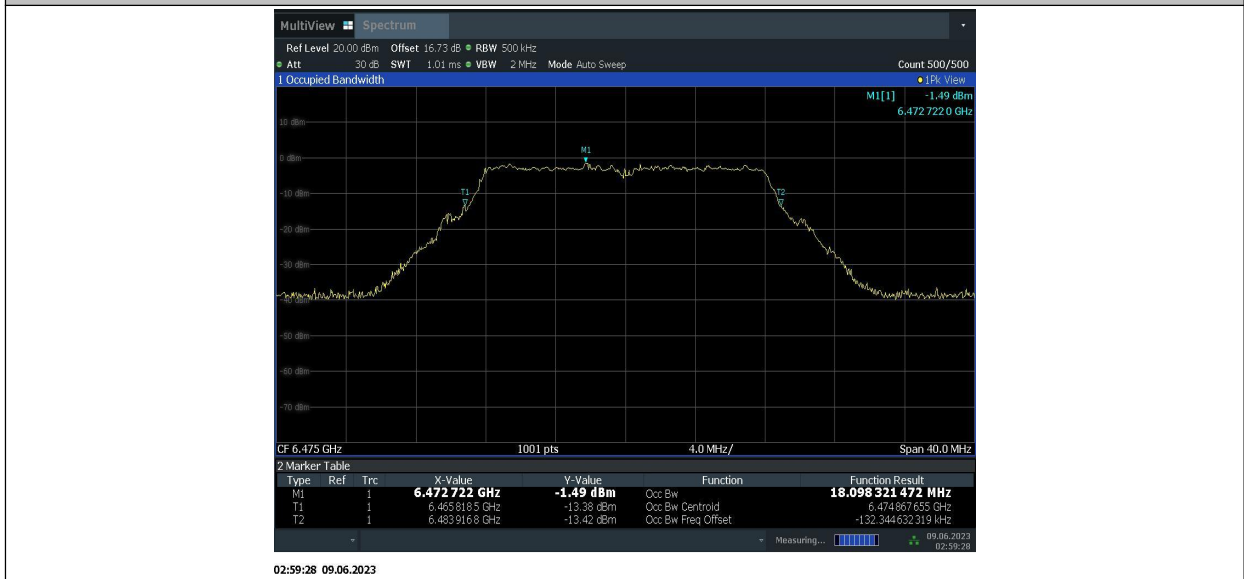




11A_Ant2_6435



11A_Ant2_6475

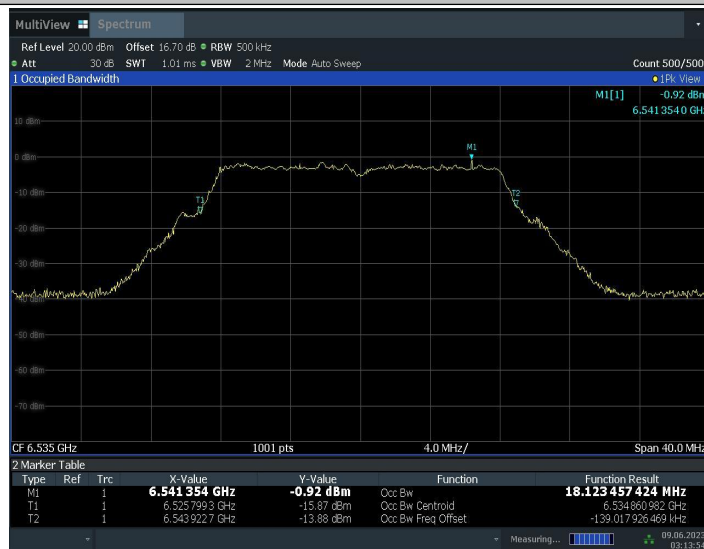


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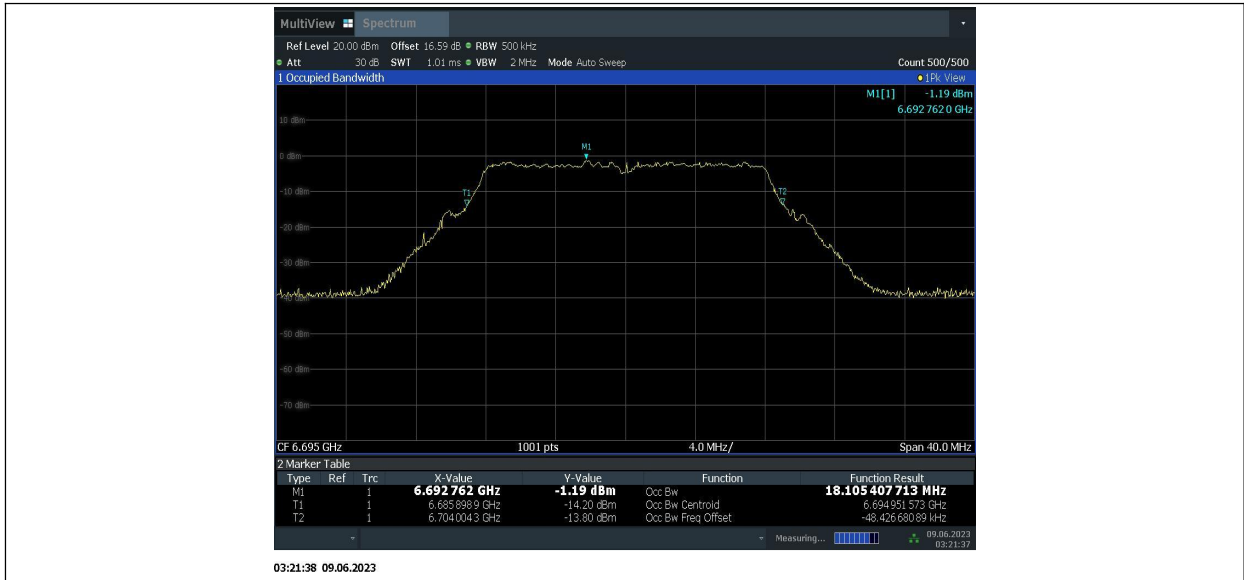
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11A_Ant2_6535

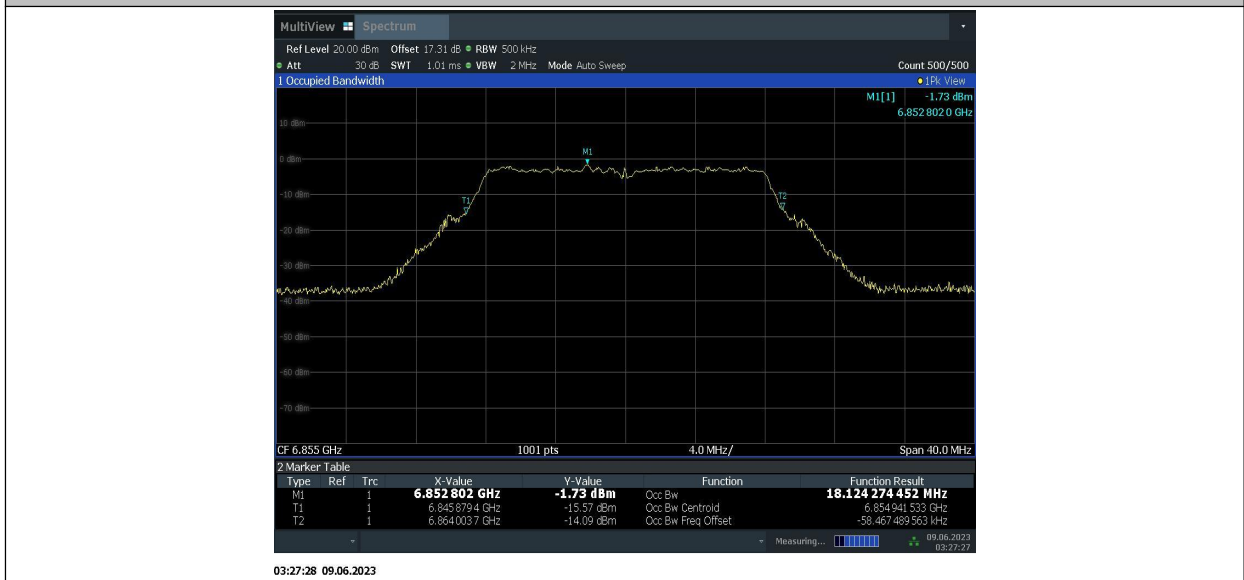


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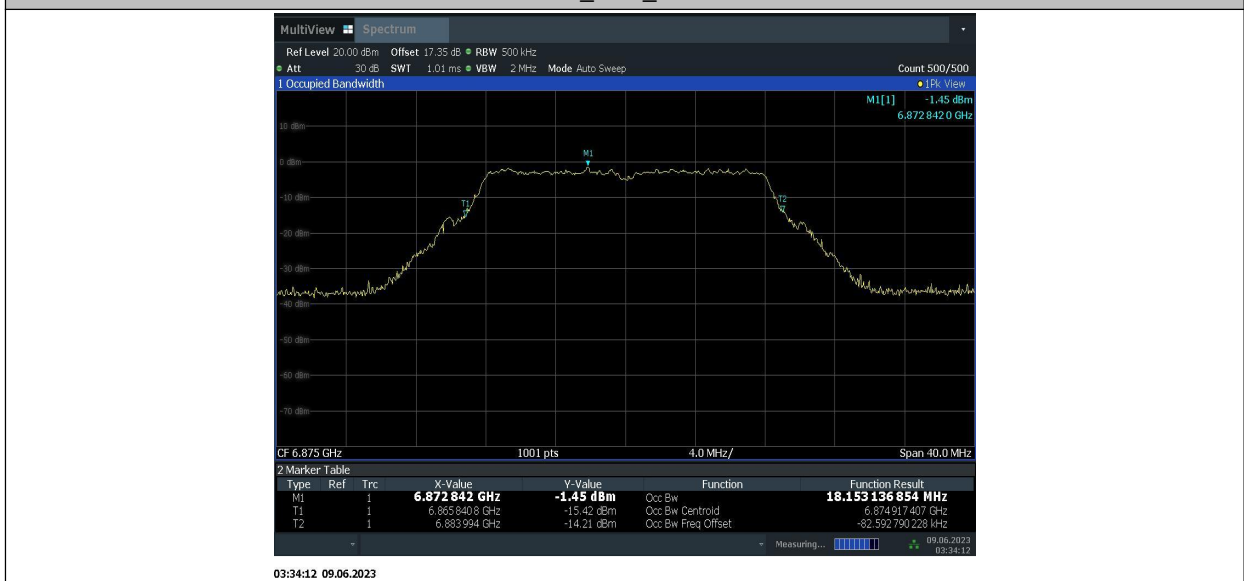
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11A_Ant2_6855



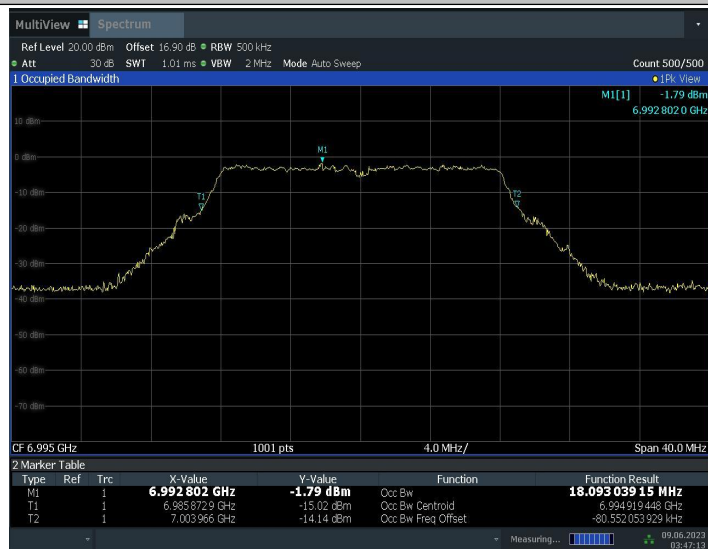
11A_Ant2_6875



11A_Ant2_6895



11A_Ant2_6995



11A_Ant2_7115



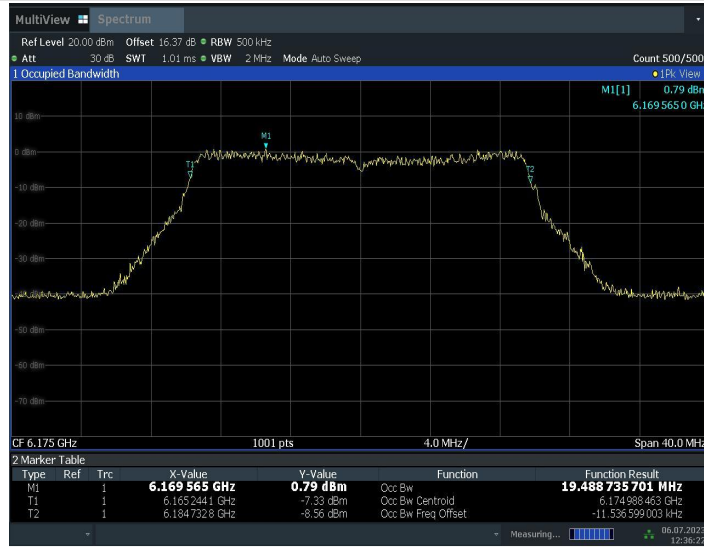
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11BE20MIMO_Ant2_5955



11BE20MIMO_Ant1_6175



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11BE20MIMO_Ant2_6175



12:39:47 06.07.2023

11BE20MIMO_Ant1_6415