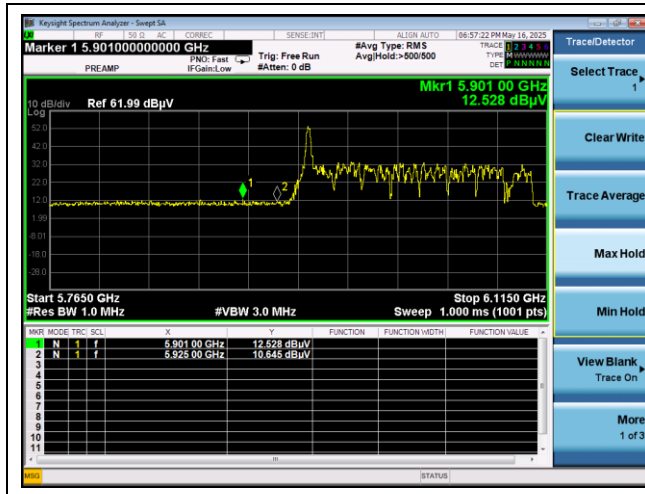
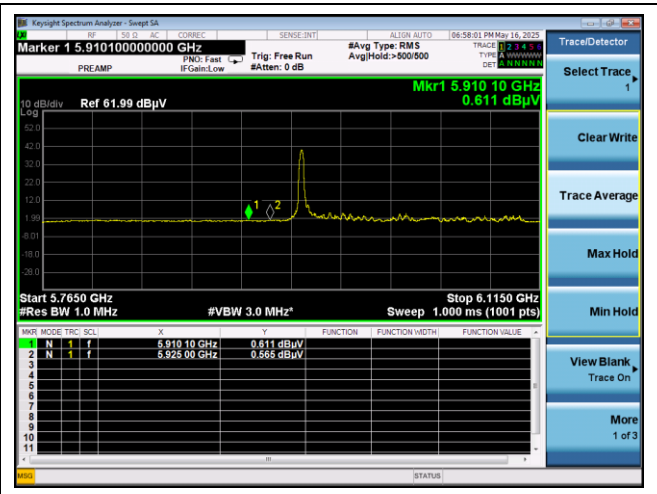


11ax_HE80L_26T

Low channel Band edge (Peak) – Band 5

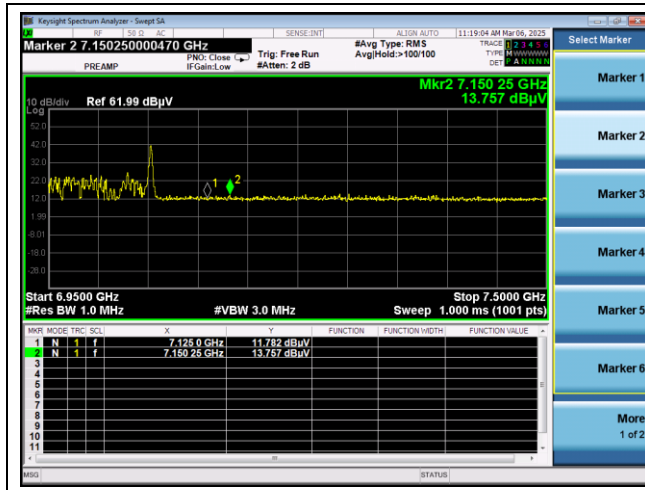


Low channel Band edge (Average) - Band 5

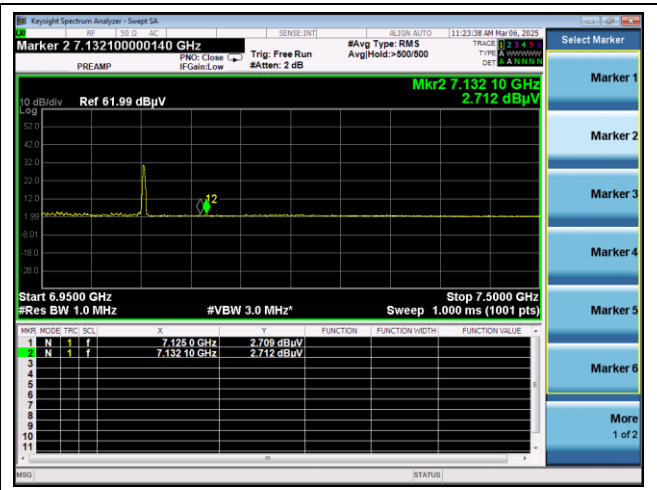


11ax_HE80U_26T

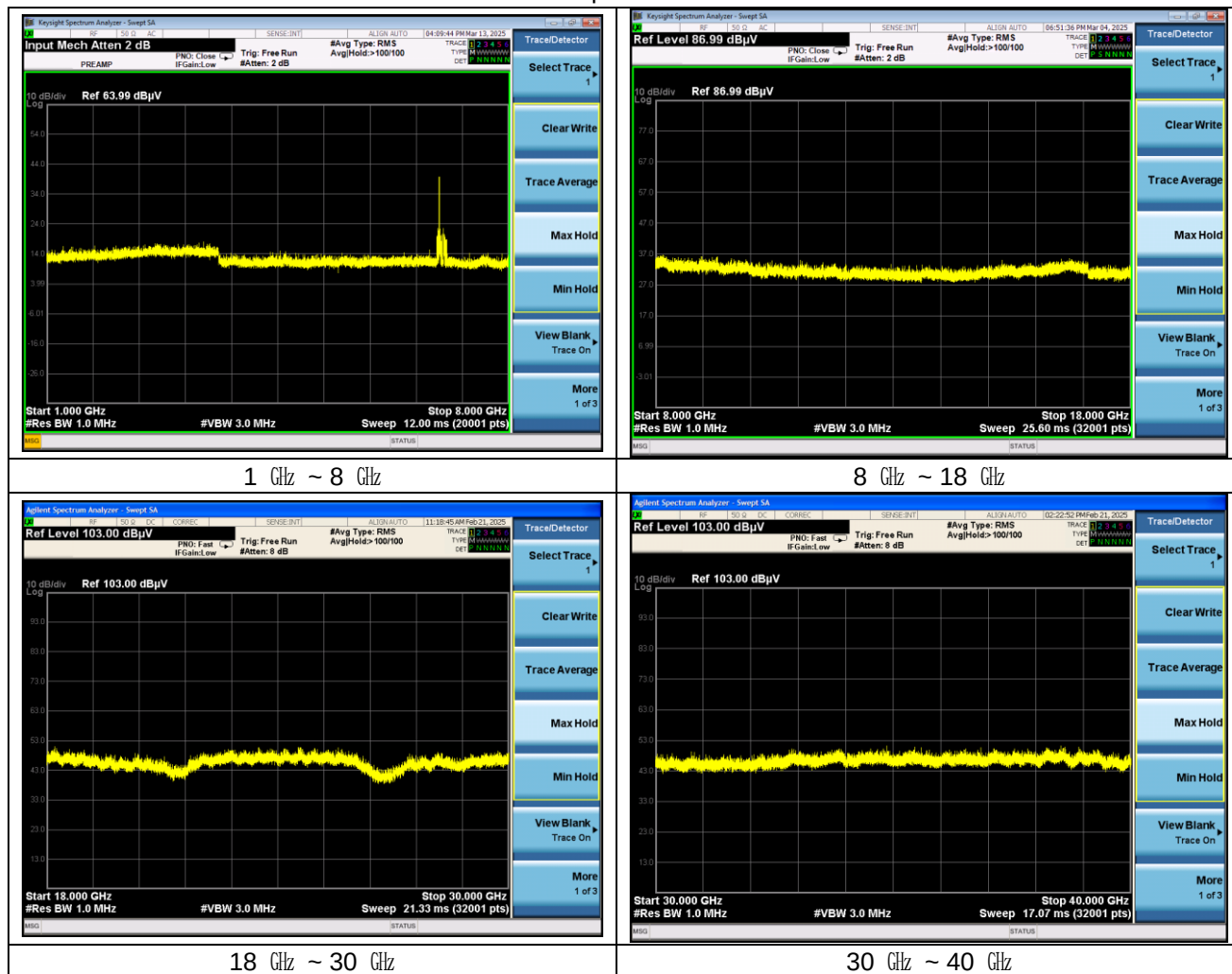
High channel Band edge (Peak) - Band 8



High channel Band edge (Average) - Band 8



Radiated Spurious Emissions

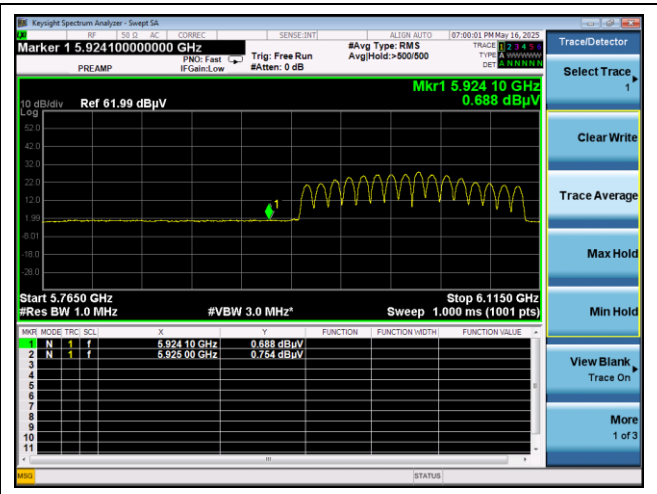


11ax_HE160_SU

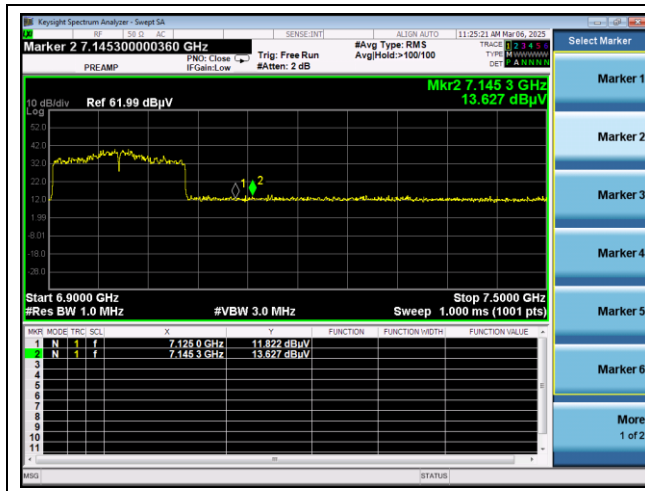
Low channel Band edge (Peak) – Band 5



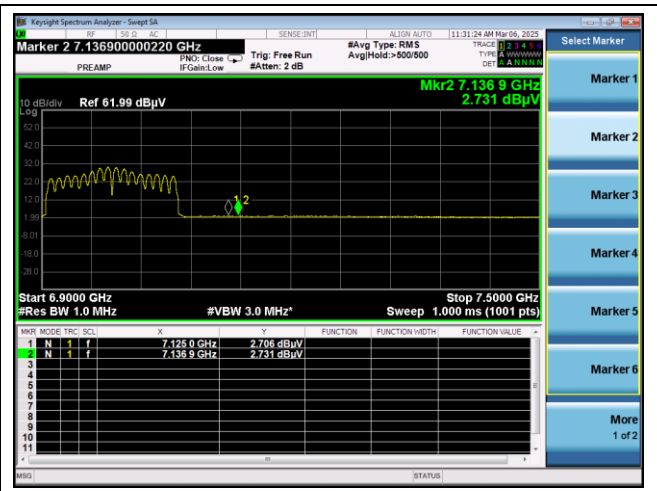
Low channel Band edge (Average) - Band 5



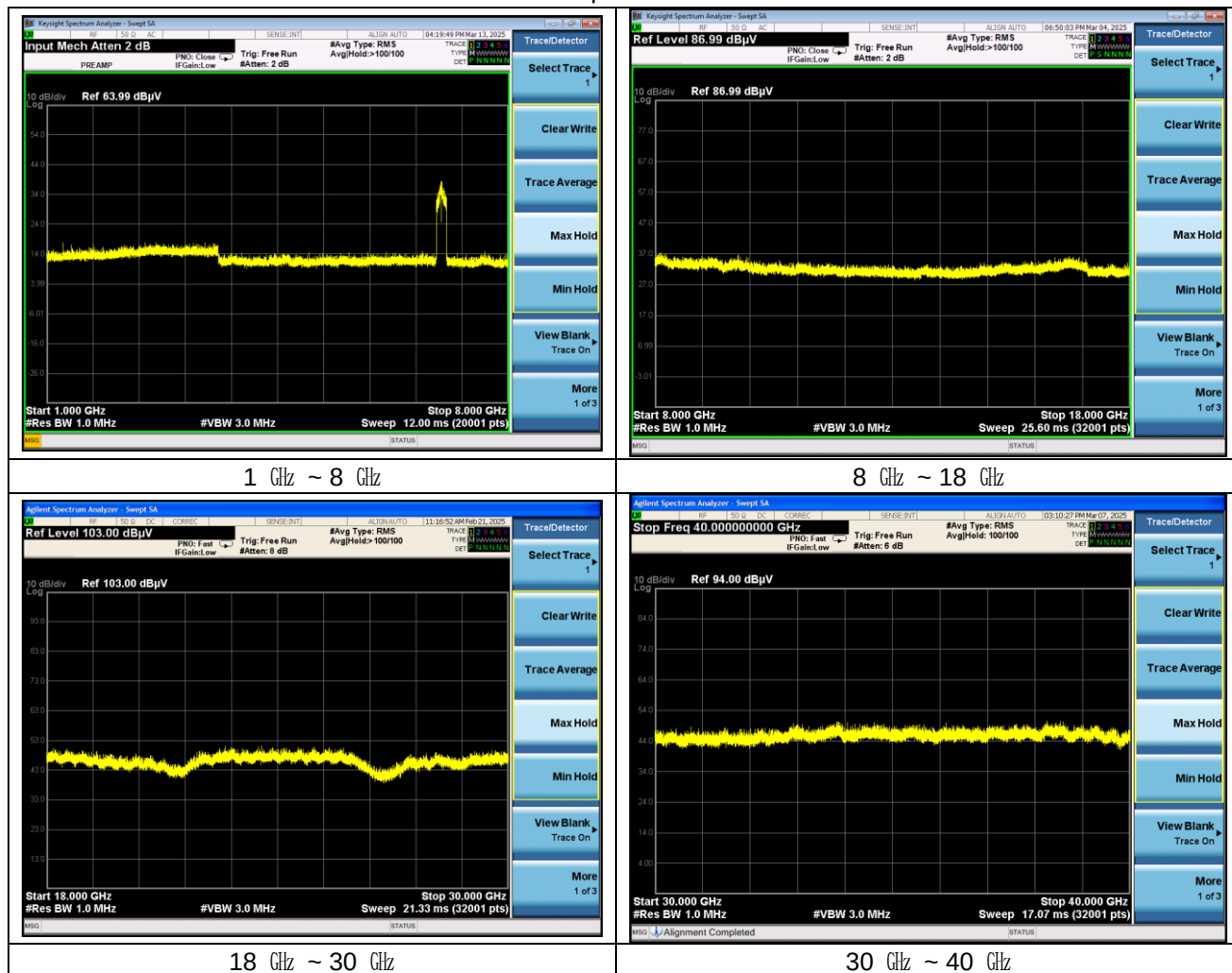
High channel Band edge (Peak) - Band 8



High channel Band edge (Average) - Band 8

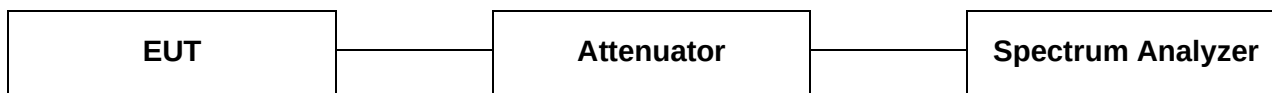


Radiated Spurious Emissions



3. 26 dB Bandwidth & Occupied Bandwidth

3.1. Test Setup



3.2. Limit

According to §15.407(a)(11), the maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

3.3. Test Procedure

3.3.1. 26 dB Bandwidth

1. This measurement settings are specified in section II.C.1 of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = approximately 1 % of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

3.3.2. 99 % Bandwidth

1. This measurement settings are specified in section II.D of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set center frequency to the nominal EUT channel center frequency.
3. Set span = 1.5 times to 5.0 times the OBW.
4. Set RBW = 1 % to 5 % of the OBW.
5. Set VBW ≥ 3 x RBW.
6. 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.
7. Use the 99 % power bandwidth function of the instrument (if available).
8. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. 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 % occupied bandwidth is the difference between these two frequencies.

3.4. Test Result

Ambient temperature : (23 ± 1) °C
Relative humidity : 47 % R.H.

Test mode: 11a

Band	Frequency (MHz)	Ch.	26 dB Bandwidth (MHz)		Occupied Bandwidth (MHz)	
			Port 1	Port 2	Port 1	Port 2
U-NII 5	5 935	2	19.333	19.385	16.484	16.404
	6 175	45	19.391	19.363	16.444	16.364
	6 415	93	20.060	20.500	16.508	16.334
U-NII 6	6 435	97	19.580	20.320	16.424	16.384
	6 475	105	19.840	20.420	16.404	16.384
	6 515	113	20.000	19.820	16.384	16.404
U-NII 7	6 535	117	20.180	19.660	16.434	16.334
	6 695	149	20.540	19.860	16.409	16.359
	6 855	181	20.859	19.101	16.434	16.334
U-NII 8	6 895	189	19.940	20.619	16.404	16.484
	6 995	209	19.660	19.760	16.444	16.404
	7 115	233	19.660	19.700	16.384	16.384

Band-crossing channel

Band	Frequency (MHz)	Ch.	26 dB Bandwidth (MHz)		Occupied Bandwidth (MHz)	
			Port 1	Port 2	Port 1	Port 2
U-NII 7	6 875	185	19.467	19.381	16.623	16.424

Test mode: 11ax_HE20

Band	Freq. (MHz)	Ch.	Tones	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	5 935	2	26	20.749	21.181	19.389	18.803	21.407	20.781
	5 955	1		20.913	20.848	19.375	18.790	21.732	20.748
	6 175	45		21.009	20.707	19.471	18.729	21.289	20.827
	6 415	93		21.499	21.459	19.541	18.701	21.219	20.859
U-NII 6	6 435	97		21.159	21.239	19.421	18.781	21.618	20.879
	6 475	105		21.179	20.999	19.640	18.881	21.578	21.047
	6 515	113		21.279	21.239	19.281	18.741	21.319	21.079
U-NII 7	6 535	117		20.939	20.979	19.660	18.661	21.658	20.939
	6 695	149		21.099	20.779	19.341	18.701	21.578	20.779
	6 855	181		20.939	21.099	19.181	18.701	21.419	20.739
U-NII 8	6 895	189		21.059	21.139	19.341	18.881	21.618	21.119
	6 995	209		21.275	20.857	19.630	18.779	21.628	20.997
	7 095	229		21.029	20.627	19.710	18.889	21.648	21.107
	7 115	233		21.067	20.886	19.608	18.868	21.447	20.846
U-NII 5	5 935	2	SU	-	-	21.127	21.283	-	-
	5 955	1		-	-	21.293	21.247	-	-
	6 175	49		-	-	21.369	21.087	-	-
	6 415	93		-	-	21.339	21.379	-	-
U-NII 6	6 435	97		-	-	21.299	21.019	-	-
	6 475	105		-	-	21.379	20.959	-	-
	6 515	113		-	-	21.339	21.379	-	-
U-NII 7	6 535	117		-	-	21.499	21.339	-	-
	6 695	149		-	-	21.379	21.139	-	-
	6 855	181		-	-	21.459	21.099	-	-
U-NII 8	6 895	189		-	-	21.259	21.399	-	-
	6 995	209		-	-	20.819	20.679	-	-
	7 095	229		-	-	21.508	20.987	-	-
	7 115	233		-	-	21.219	21.259	-	-

Band	Freq. (MHz)	Ch.	Tones	Occupied Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	5 935	2	26	19.001	19.061	17.842	17.323	19.361	18.821
	5 955	1		18.941	18.841	17.862	17.363	19.401	18.801
	6 175	45		18.781	18.741	17.582	17.283	19.041	18.721
	6 415	93		18.906	18.631	18.007	17.183	19.306	18.681
U-NII 6	6 435	97		18.961	18.921	17.742	17.343	19.121	18.821
	6 475	105		18.921	18.981	17.622	17.343	19.101	18.841
	6 515	113		18.901	19.041	17.602	17.383	19.081	18.781
U-NII 7	6 535	117		18.806	18.681	17.582	17.133	19.081	18.531
	6 695	149		18.806	18.656	17.483	17.133	19.131	18.681
	6 855	181		18.906	18.681	17.483	17.158	19.306	18.731
U-NII 8	6 895	189		18.901	18.881	17.722	17.443	19.401	18.941
	6 995	209		18.921	18.781	17.702	17.283	19.001	18.961
	7 095	229		18.861	18.581	17.662	17.223	19.101	18.781
	7 115	233		18.821	18.661	17.622	17.283	19.041	18.801
U-NII 5	5 935	2	SU	-	-	18.801	18.861	-	-
	5 955	1		-	-	18.801	18.841	-	-
	6 175	49		-	-	18.761	18.861	-	-
	6 415	93		-	-	18.756	18.856	-	-
U-NII 6	6 435	97		-	-	18.781	18.981	-	-
	6 475	105		-	-	18.781	18.961	-	-
	6 515	113		-	-	18.801	18.901	-	-
U-NII 7	6 535	117		-	-	18.806	18.856	-	-
	6 695	149		-	-	18.831	18.856	-	-
	6 855	181		-	-	18.881	18.831	-	-
U-NII 8	6 895	189		-	-	18.821	18.921	-	-
	6 995	209		-	-	18.761	18.841	-	-
	7 095	229		-	-	18.781	18.821	-	-
	7 115	233		-	-	18.741	18.821	-	-

Test mode: 11ax HE40

Band	Freq. (MHz)	Ch.	Tones	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	5 965	3	26	40.639	40.759	38.362	38.322	40.879	40.520
	6 165	43		40.919	40.879	38.402	38.282	40.839	40.559
	6 405	91		42.677	41.319	38.362	38.442	41.239	41.079
U-NII 6	6 445	99		40.839	41.079	38.402	38.322	40.879	40.599
	6 485	107		40.799	40.919	38.322	38.362	40.839	40.599
U-NII 7	6 565	123		40.839	40.759	38.522	38.362	41.159	40.679
	6 685	147		42.278	40.759	38.442	38.442	40.999	40.759
	6 845	179		40.679	41.638	38.202	38.362	41.159	41.079
U-NII 8	6 925	195		40.719	40.719	38.282	38.242	40.919	40.679
	7 005	211		40.759	40.679	38.282	38.362	40.719	40.400
	7 085	227		40.719	40.679	38.482	38.242	40.959	40.759
U-NII 5	5 965	3	SU	-	-	40.480	40.719	-	-
	6 165	43		-	-	40.520	40.919	-	-
	6 405	91		-	-	40.599	40.679	-	-
U-NII 6	6 445	99		-	-	40.599	40.360	-	-
	6 485	107		-	-	40.559	40.599	-	-
U-NII 7	6 565	123		-	-	40.839	40.520	-	-
	6 685	147		-	-	40.759	40.440	-	-
	6 845	179		-	-	40.839	40.679	-	-
U-NII 8	6 925	195		-	-	40.240	40.520	-	-
	7 005	211		-	-	40.200	40.520	-	-
	7 085	227		-	-	40.200	40.480	-	-

Band	Freq. (MHz)	Ch.	Tones	Occupied Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	5 965	3	26	38.242	38.761	36.563	36.883	38.601	38.681
	6 165	43		38.521	38.761	36.643	36.763	38.561	38.601
	6 405	91		38.601	38.202	36.883	36.324	38.921	38.402
U-NII 6	6 445	99		38.761	39.241	36.883	37.123	39.001	39.001
	6 485	107		38.641	39.361	36.843	37.123	38.841	38.841
U-NII 7	6 565	123		38.681	38.362	36.763	36.484	38.841	38.042
	6 685	147		38.641	38.362	36.683	36.324	38.961	38.202
	6 845	179		38.721	38.442	36.843	36.523	39.241	38.322
U-NII 8	6 925	195		38.641	38.801	36.763	36.803	39.361	38.721
	7 005	211		38.801	38.482	36.763	36.643	39.041	38.721
	7 085	227		38.601	38.561	36.803	36.643	38.961	38.841
U-NII 5	5 965	3	SU	-	-	37.443	37.562	-	-
	6 165	43		-	-	37.403	37.642	-	-
	6 405	91		-	-	37.443	37.522	-	-
U-NII 6	6 445	99		-	-	37.403	37.842	-	-
	6 485	107		-	-	37.602	37.842	-	-
U-NII 7	6 565	123		-	-	37.522	37.602	-	-
	6 685	147		-	-	37.562	37.602	-	-
	6 845	179		-	-	37.602	37.562	-	-
U-NII 8	6 925	195		-	-	37.642	37.922	-	-
	7 005	211		-	-	37.483	37.642	-	-
	7 085	227		-	-	37.443	37.602	-	-

Test mode: 11ax_HE80

Band	Freq. (MHz)	Ch.	Tones	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	5 985	7	26	82.318	82.957	79.201	79.322	82.238	82.158
	6 145	39		82.637	82.957	79.041	78.561	82.318	81.758
	6 385	87		82.797	82.478	79.281	78.480	82.158	82.797
U-NII 6	6 465	103		82.909	82.757	79.233	78.601	82.110	82.037
U-NII 7	6 625	135		82.637	83.117	79.281	78.961	82.318	82.318
	6 705	151		82.797	82.797	79.441	78.641	82.318	81.199
	6 785	167		82.318	82.797	78.641	78.641	83.756	82.478
U-NII 8	6 945	199		82.277	82.757	79.640	78.482	82.678	82.717
	7 025	215		82.365	82.285	79.088	78.770	82.845	82.125
U-NII 5	5 985	7	SU	-	-	81.439	82.078	-	-
	6 145	39		-	-	81.918	81.838	-	-
	6 385	87		-	-	81.998	81.518	-	-
U-NII 6	6 465	103		-	-	81.439	81.838	-	-
U-NII 7	6 625	135		-	-	82.158	81.518	-	-
	6 705	151		-	-	81.838	81.998	-	-
	6 785	167		-	-	82.318	81.680	-	-
U-NII 8	6 945	199		-	-	81.598	81.119	-	-
	7 025	215		-	-	81.039	81.918	-	-

Band	Freq. (MHz)	Ch.	Tones	Occupied Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	5 985	7	26	80.080	81.838	76.084	77.043	80.879	81.518
	6 145	39		80.080	80.719	75.924	76.324	80.400	80.240
	6 385	87		80.559	78.721	79.041	74.885	82.318	78.961
U-NII 6	6 465	103		81.359	84.156	77.682	75.524	81.119	82.478
U-NII 7	6 625	135		80.799	79.361	77.123	75.365	80.320	78.721
	6 705	151		80.480	79.520	76.723	75.365	80.719	78.801
	6 785	167		80.240	79.680	76.803	75.524	81.279	79.041
U-NII 8	6 945	199		81.598	81.758	76.404	75.445	80.240	80.799
	7 025	215		79.920	78.322	76.164	75.125	79.600	79.840
U-NII 5	5 985	7	SU	-	-	76.324	76.803	-	-
	6 145	39		-	-	76.484	76.883	-	-
	6 385	87		-	-	76.563	76.563	-	-
U-NII 6	6 465	103		-	-	76.963	77.443	-	-
U-NII 7	6 625	135		-	-	76.643	76.803	-	-
	6 705	151		-	-	76.723	76.803	-	-
	6 785	167		-	-	76.803	76.803	-	-
U-NII 8	6 945	199		-	-	76.803	77.443	-	-
	7 025	215		-	-	76.324	77.922	-	-

Test mode: 11ax_HE80L

Band	Freq. (MHz)	Ch.	Tones	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	6 025	15	26	167.193	168.152	159.840	159.361	159.201	157.762
	6 185	47		168.472	168.472	160.959	159.680	159.520	158.881
	6 345	79		163.996	162.398	158.881	155.844	158.721	155.524
U-NII 7	6 665	143		163.996	164.156	158.561	158.721	158.402	157.123
U-NII 8	6 985	207		164.302	164.774	159.776	158.860	159.489	158.332

Band	Freq. (MHz)	Ch.	Tones	Occupied Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	6 025	15	26	168.152	165.914	153.447	157.443	153.287	156.164
	6 185	47		164.316	161.279	154.885	153.447	159.201	152.967
	6 345	79		159.361	158.881	155.684	151.688	156.004	151.528
U-NII 7	6 665	143		160.320	160.639	153.926	153.287	154.246	152.967
U-NII 8	6 985	207		159.414	158.775	154.192	152.914	154.832	153.127

Test mode: 11ax_HE80U

Band	Freq. (MHz)	Ch.	Tones	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	6 025	15	26	160.000	160.320	161.439	160.160	167.512	166.234
	6 185	47		160.799	160.160	161.439	160.320	168.312	168.631
	6 345	79		158.721	158.721	159.840	158.402	165.754	164.476
U-NII 7	6 665	143		157.762	158.242	159.680	159.041	165.435	163.996
U-NII 8	6 985	207		159.169	158.172	159.169	158.524	164.923	165.237

Band	Freq. (MHz)	Ch.	Tones	Occupied Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	6 025	15	26	157.602	157.443	158.561	156.963	162.078	163.357
	6 185	47		153.287	154.406	154.406	154.086	161.598	162.078
	6 345	79		153.926	152.807	155.844	153.127	162.238	161.758
U-NII 7	6 665	143		153.606	154.565	154.565	154.406	162.078	161.439
U-NII 8	6 985	207		155.152	153.660	154.938	153.020	160.480	159.840

Test mode: 11ax_HE160

Band	Freq. (MHz)	Ch.	Tones	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	6 025	15	SU	-	-	166.394	166.074	-	-
	6 185	47		-	-	167.672	166.873	-	-
	6 345	79		-	-	165.115	164.955	-	-
U-NII 7	6 665	143		-	-	165.275	164.476	-	-
U-NII 8	6 985	207		-	-	164.204	164.007	-	-

Band	Freq. (MHz)	Ch.	Tones	Occupied Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
U-NII 5	6 025	15	SU	-	-	155.045	155.684	-	-
	6 185	47		-	-	155.684	156.484	-	-
	6 345	79		-	-	155.365	154.885	-	-
U-NII 7	6 665	143		-	-	155.365	155.524	-	-
U-NII 8	6 985	207		-	-	155.258	154.938	-	-

Band-crossing channel

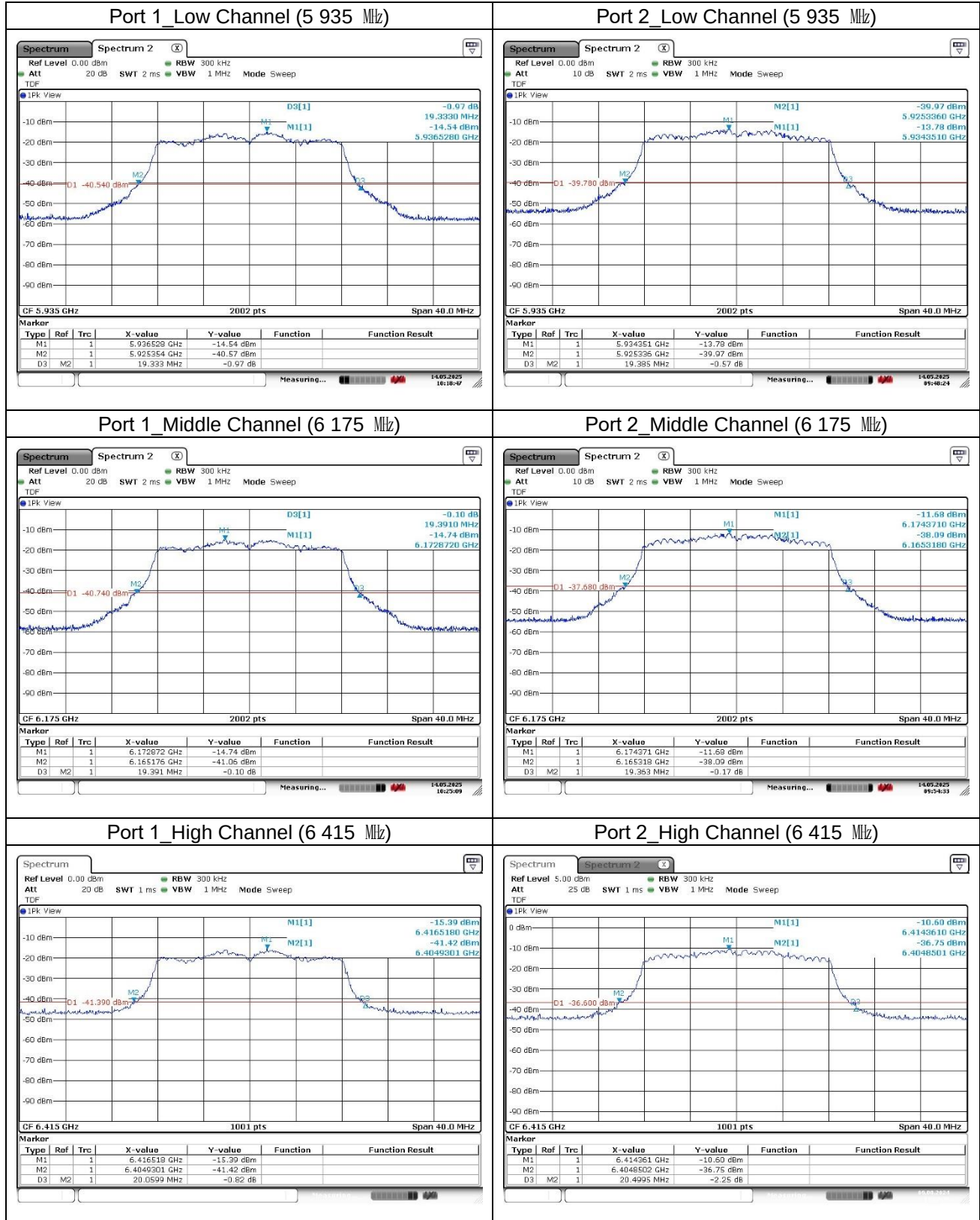
Mode	Freq. (MHz)	Ch.	Tones	26 dB Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
11ax_HE20	6 875	185	26	21.065	20.959	19.626	18.801	21.844	20.959
11ax_HE40	6 525	115		40.979	41.071	38.382	38.394	41.139	40.591
	6 885	187		41.347	41.010	38.270	38.333	41.435	40.491
11ax_HE80	6 545	119		83.965	83.445	79.009	78.410	82.206	81.686
	6 865	183		82.925	82.446	79.089	78.569	82.605	82.006
11ax_HE80L	6 505	111		165.011	165.475	158.777	158.362	158.513	157.722
	6 825	175		165.050	166.790	158.660	158.950	158.500	157.670
11ax_HE80U	6 505	111		158.673	159.161	159.233	159.001	164.907	163.956
	6 825	175		157.700	158.150	159.460	159.270	164.730	163.750
11ax_HE20	6 875	185	SU	-	-	21.325	20.919	-	-
11ax_HE40	6 525	115		-	-	40.719	40.511	-	-
	6 885	187		-	-	40.448	40.140	-	-
11ax_HE80	6 545	119		-	-	81.879	81.926	-	-
	6 865	183		-	-	81.886	81.526	-	-
11ax_HE160	6 505	111		-	-	164.308	165.123	-	-
	6 825	175		-	-	164.730	165.160	-	-

Mode	Freq. (MHz)	Ch.	Tones	Occupied Bandwidth (MHz)					
				Ru Index					
				Low		Middle		High	
				Port 1	Port 2	Port 1	Port 2	Port 1	Port 2
11ax_HE20	6 875	185	26	19.141	19.061	18.102	17.463	19.740	18.861
11ax_HE40	6 525	115		39.241	39.241	37.083	37.163	39.481	38.841
	6 885	187		39.960	38.841	36.523	36.603	38.921	38.362
11ax_HE80	6 545	119		81.678	82.478	78.641	76.723	81.838	80.400
	6 865	183		79.281	80.400	76.084	76.084	80.240	79.760
11ax_HE80L	6 505	111		161.119	160.480	155.684	153.766	154.406	152.168
	6 825	175		161.758	161.439	156.643	154.725	156.324	152.807
11ax_HE80U	6 505	111		154.406	155.365	155.684	154.406	161.119	160.480
	6 825	175		154.725	154.725	156.963	154.406	166.553	160.160
11ax_HE20	6 875	185	SU	-	-	18.861	18.861	-	-
11ax_HE40	6 525	115		-	-	37.562	37.722	-	-
	6 885	187		-	-	37.562	37.562	-	-
11ax_HE80	6 545	119		-	-	76.723	77.043	-	-
	6 865	183		-	-	77.043	76.883	-	-
11ax_HE160	6 505	111		-	-	155.365	155.684	-	-
	6 825	175		-	-	155.045	155.365	-	-

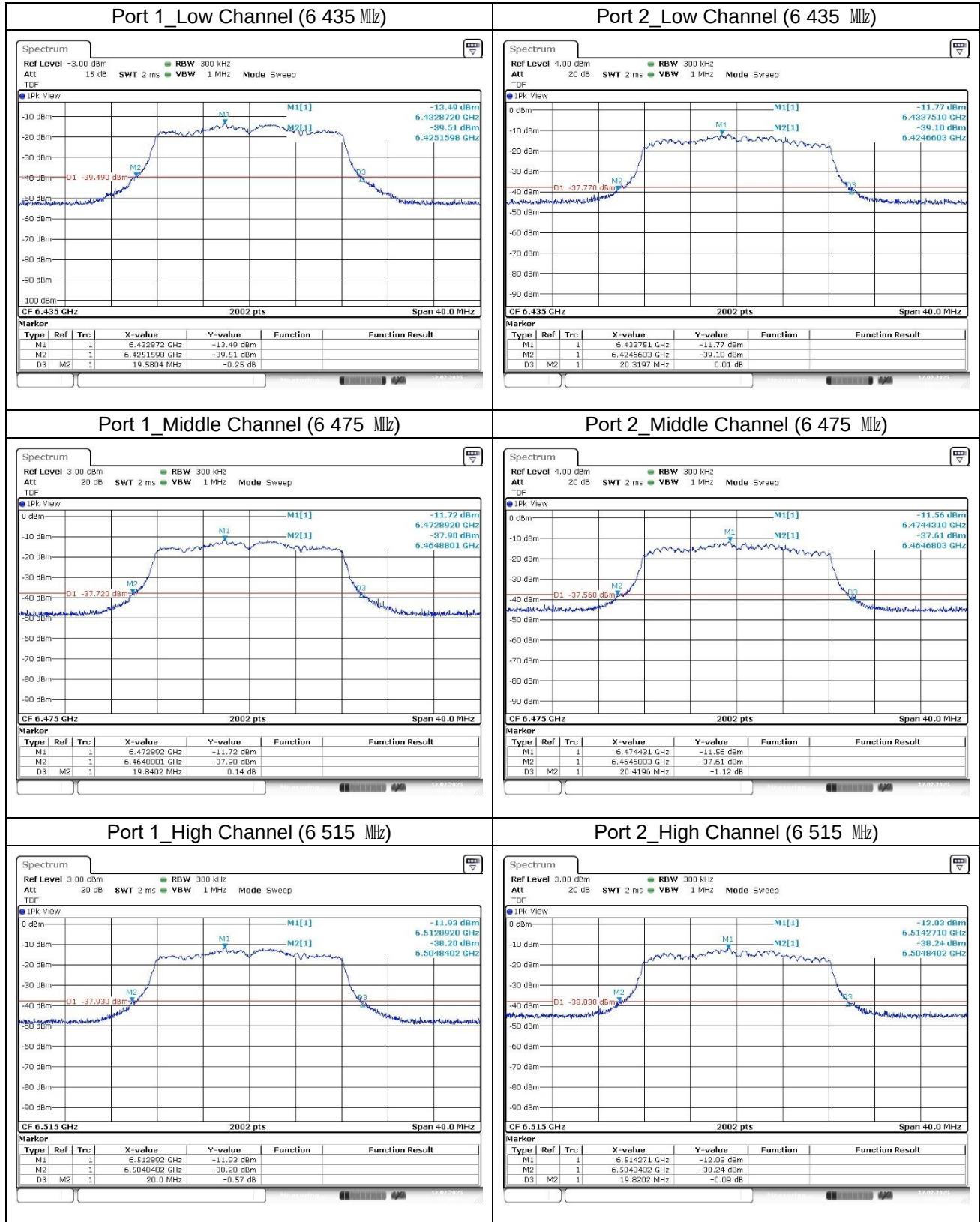
- Test plots

26 dB Bandwidth

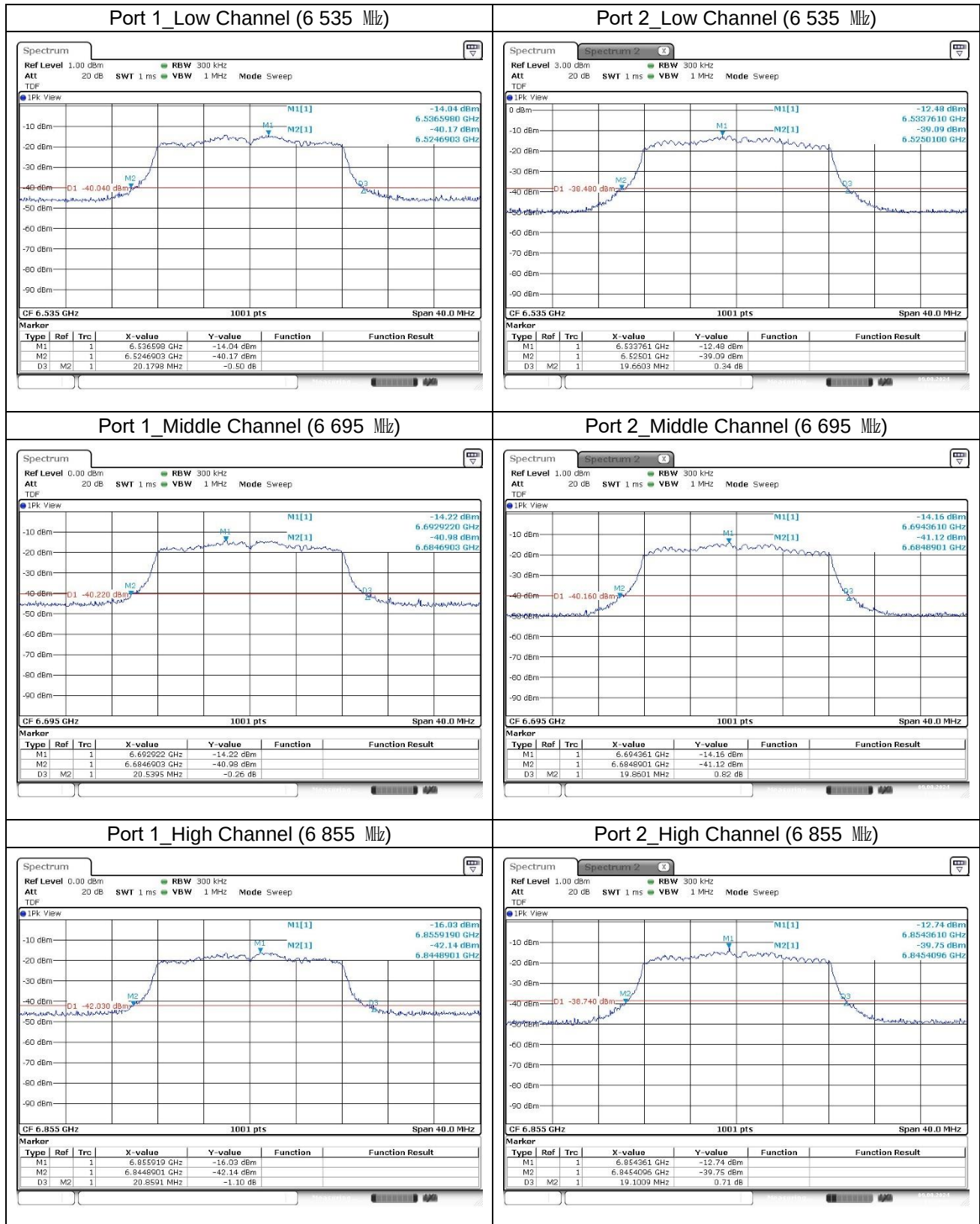
11a (Band 5)



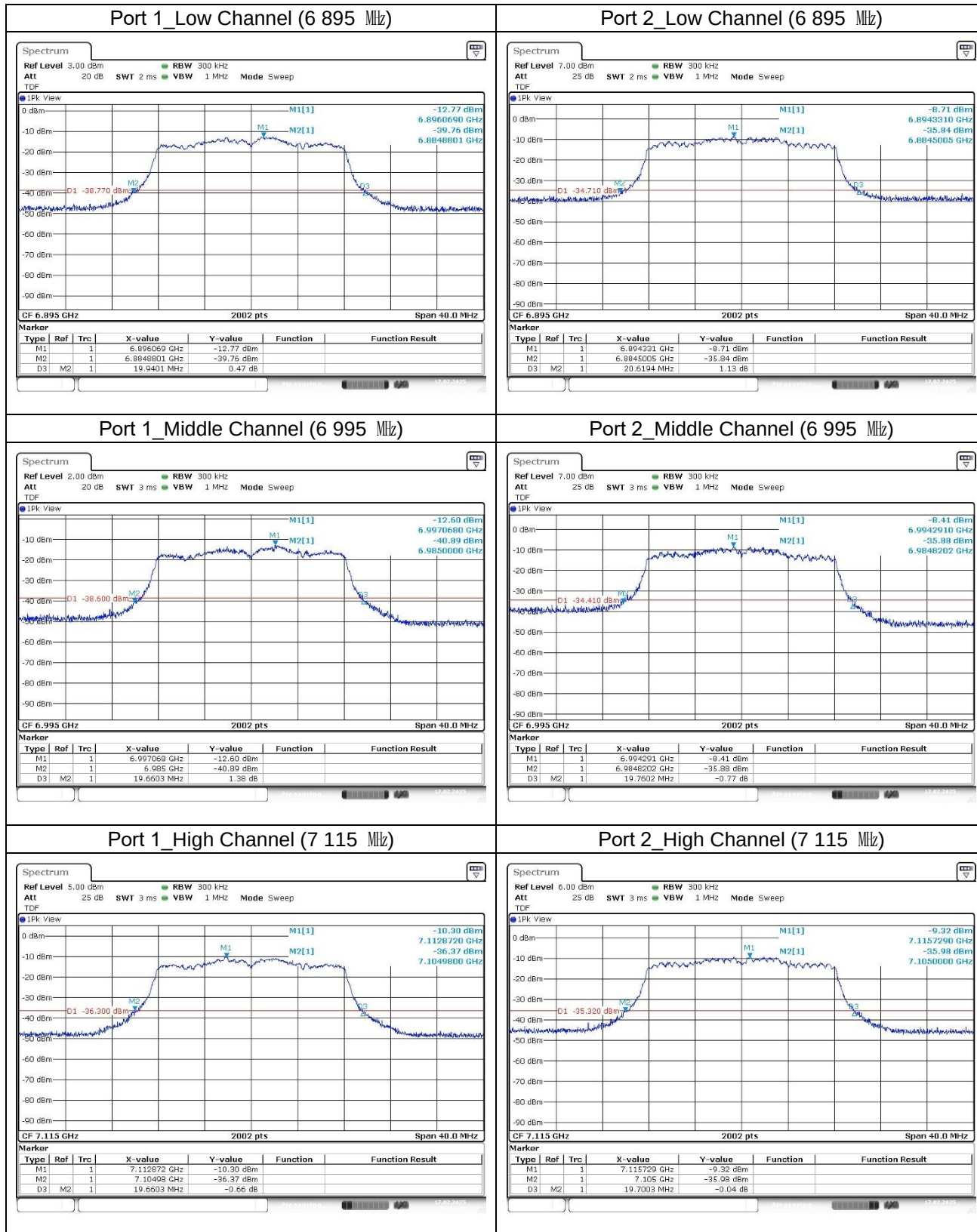
11a (Band 6)



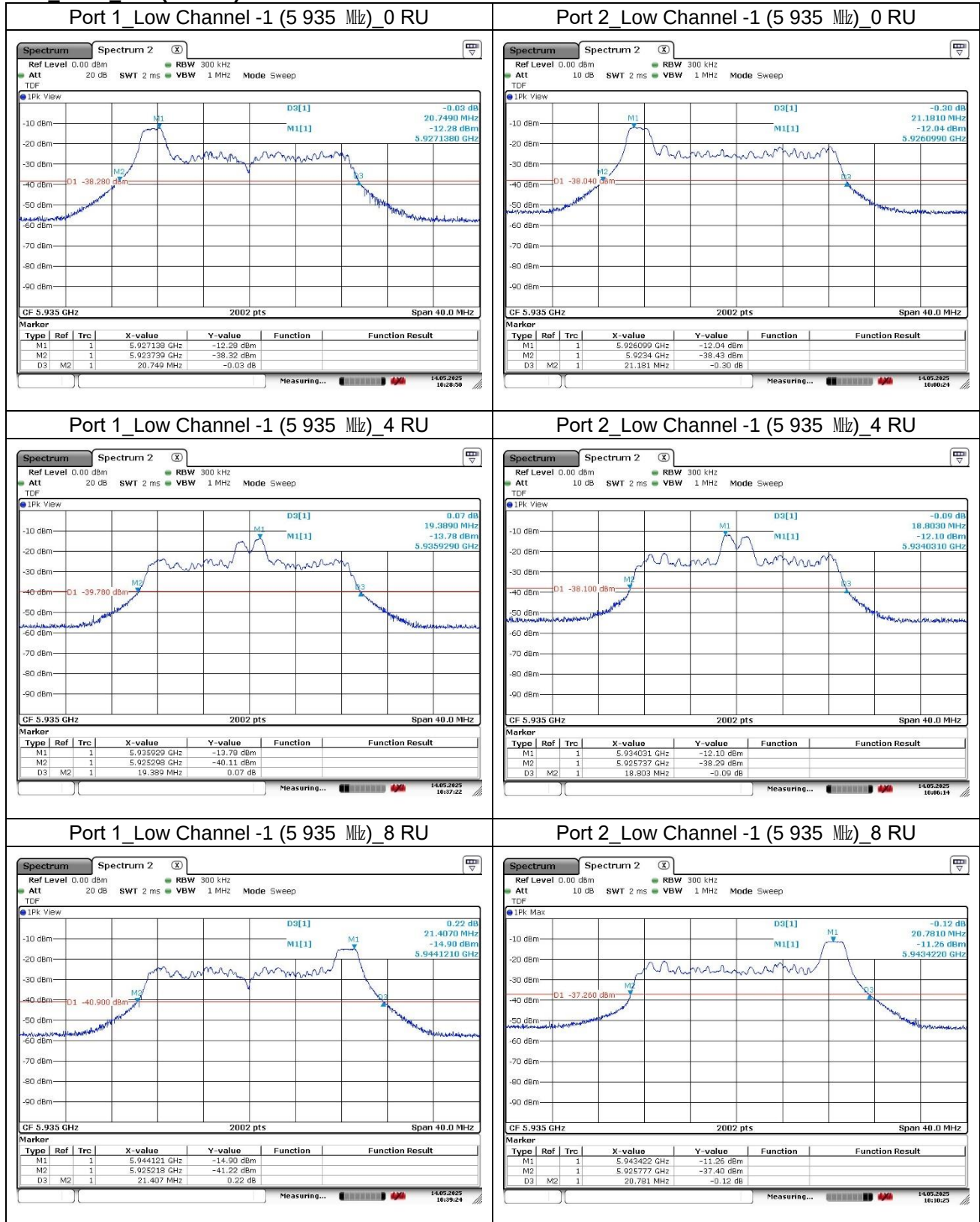
11a (Band 7)

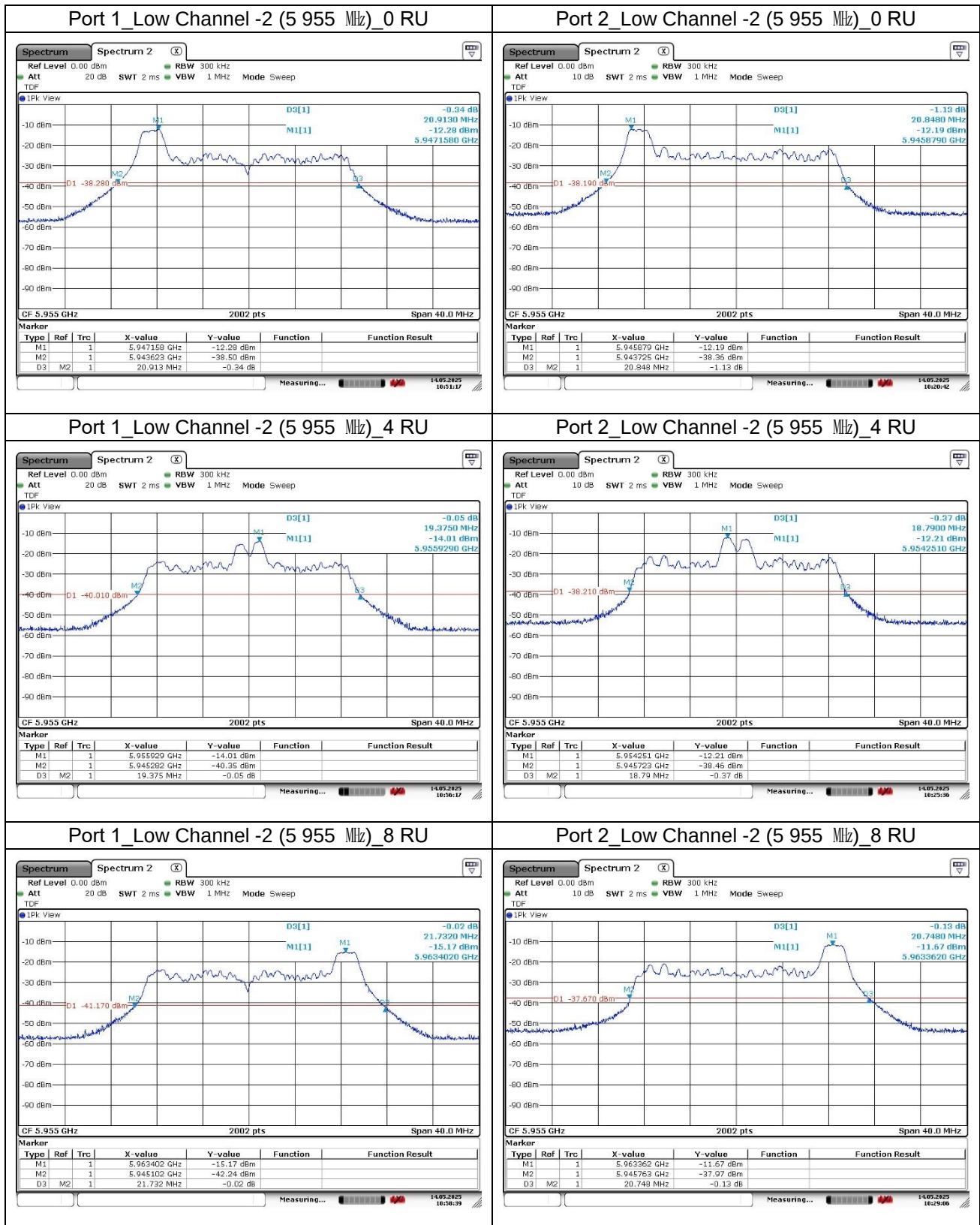


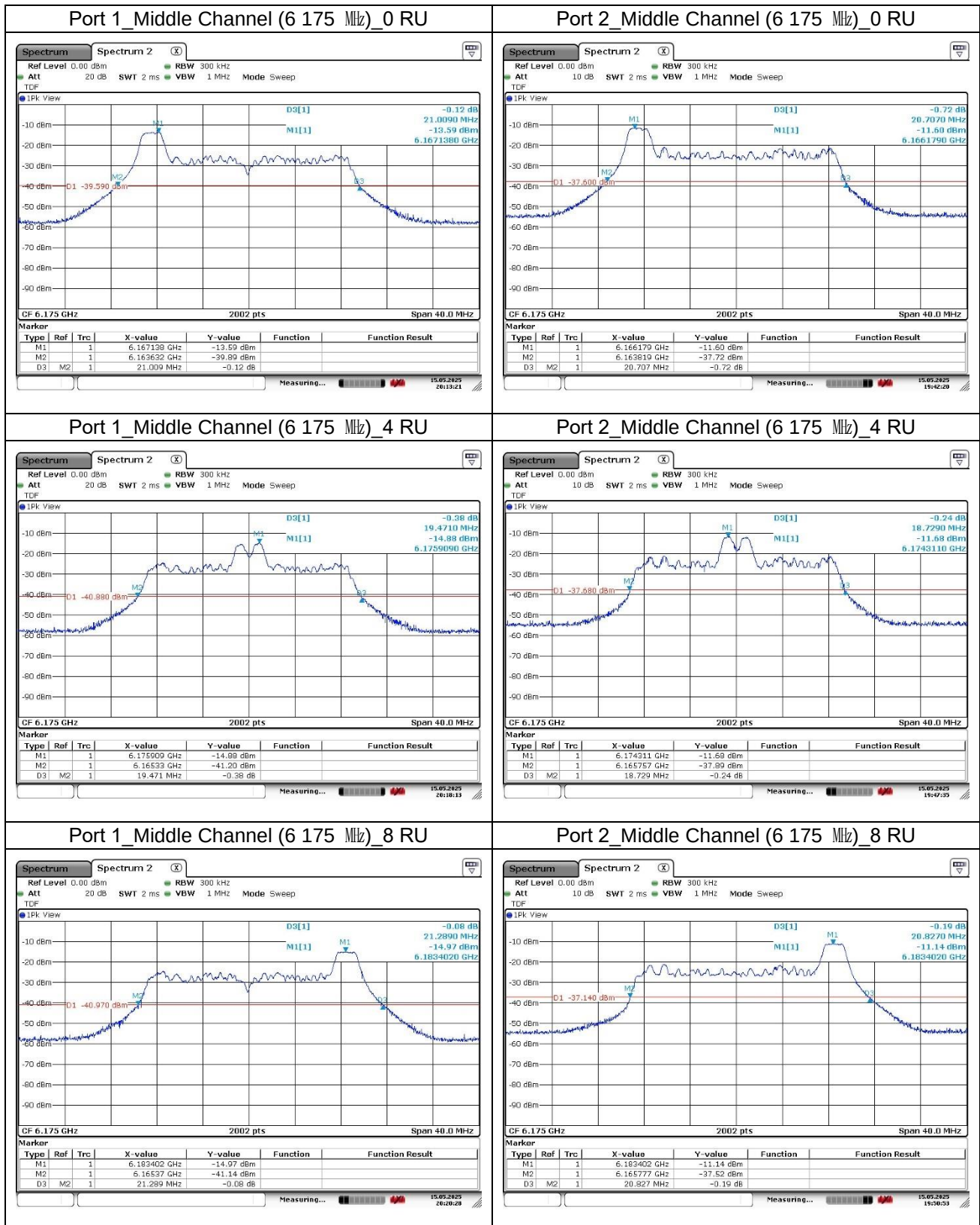
11a (Band 8)



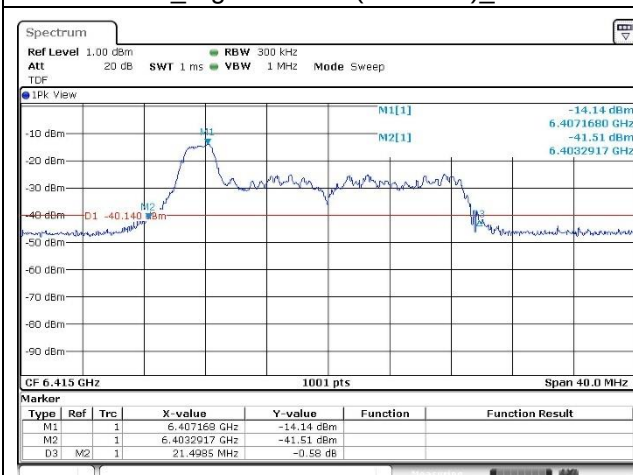
11ax_HE20_26T (Band 5)



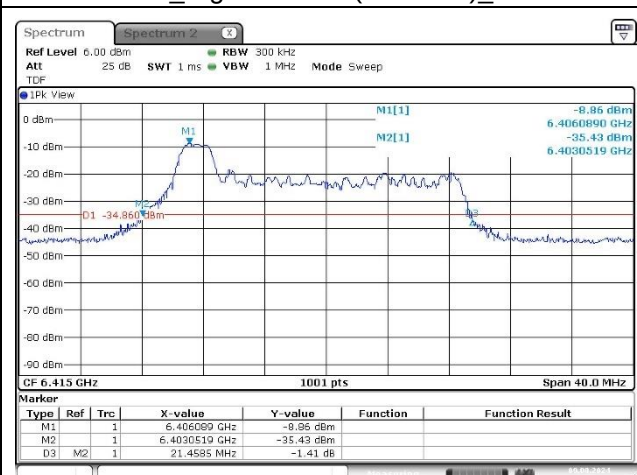




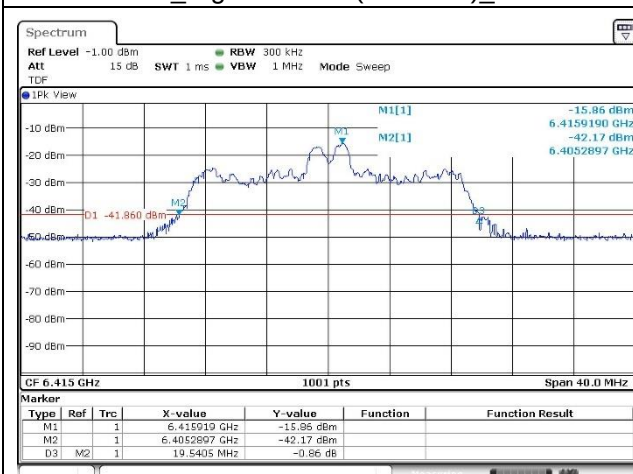
Port 1_High Channel (6 415 MHz)_0 RU



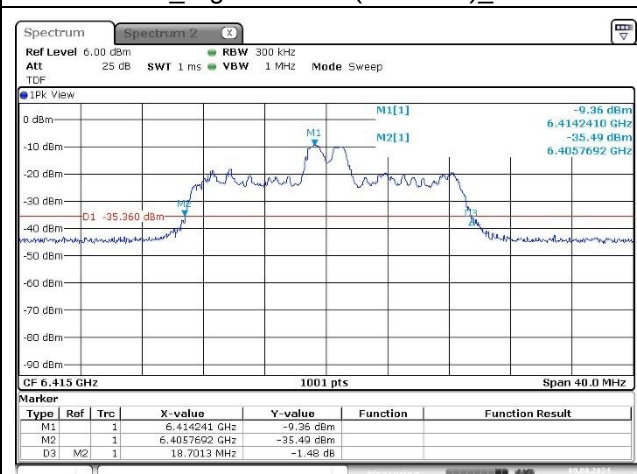
Port 2_High Channel (6 415 MHz)_0 RU



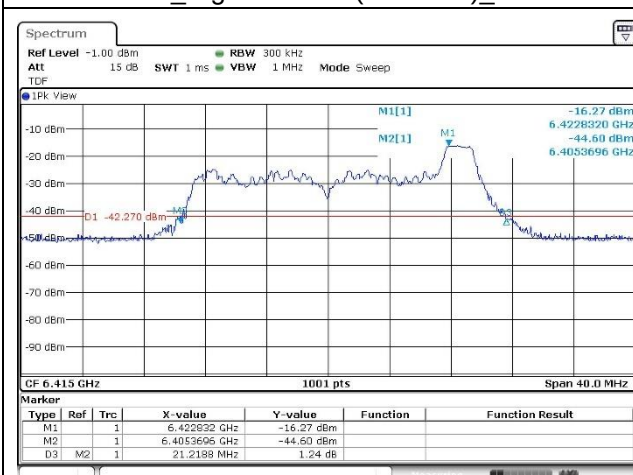
Port 1_High Channel (6 415 MHz)_4 RU



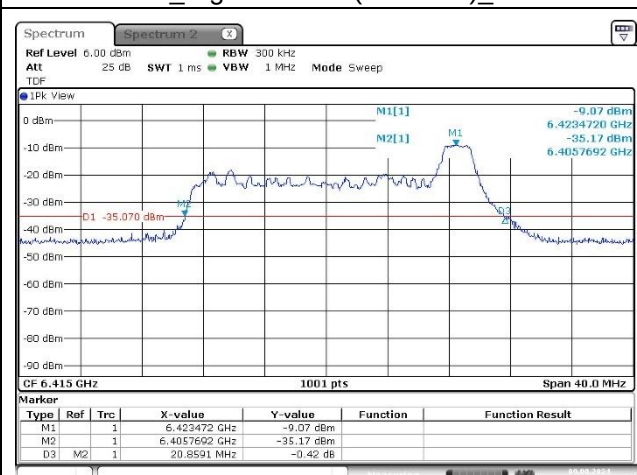
Port 2_High Channel (6 415 MHz)_4 RU



Port 1_High Channel (6 415 MHz)_8 RU



Port 2_High Channel (6 415 MHz)_8 RU



11ax_HE20_26T (Band 6)

