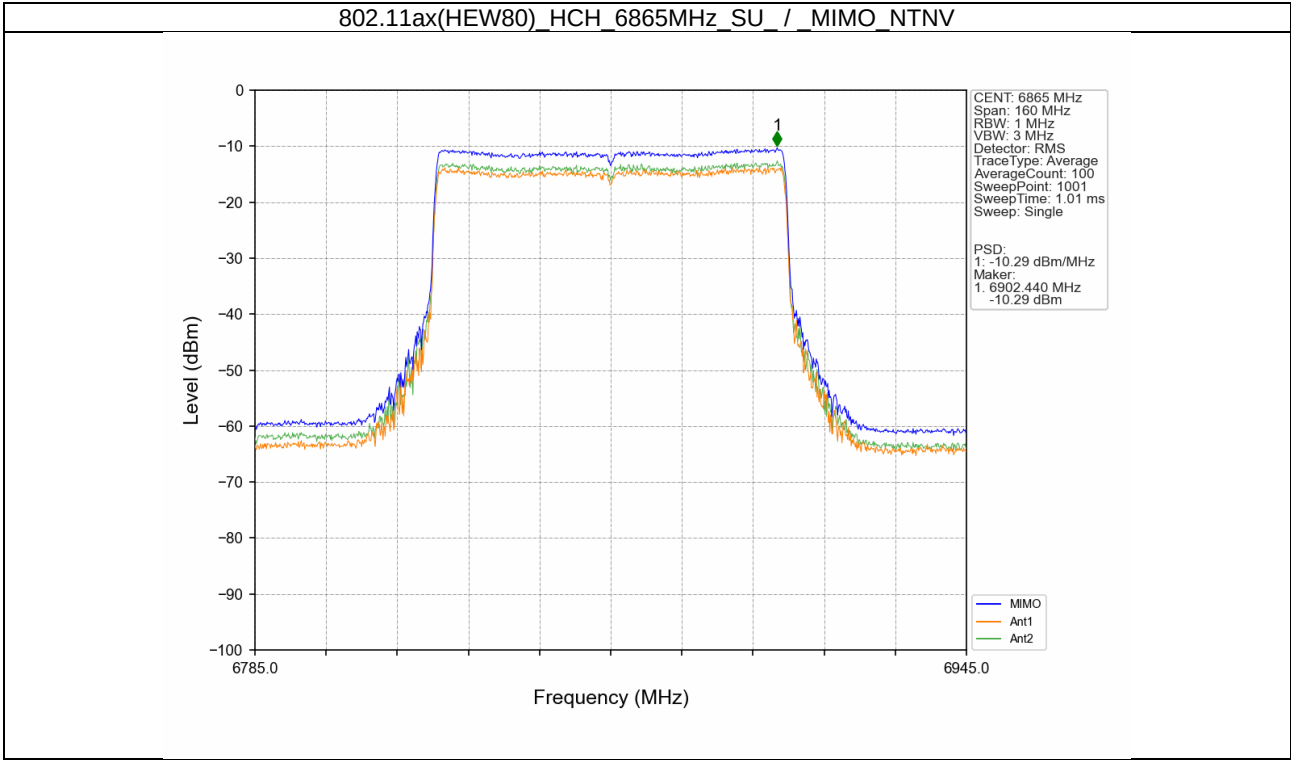




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 221 of 261

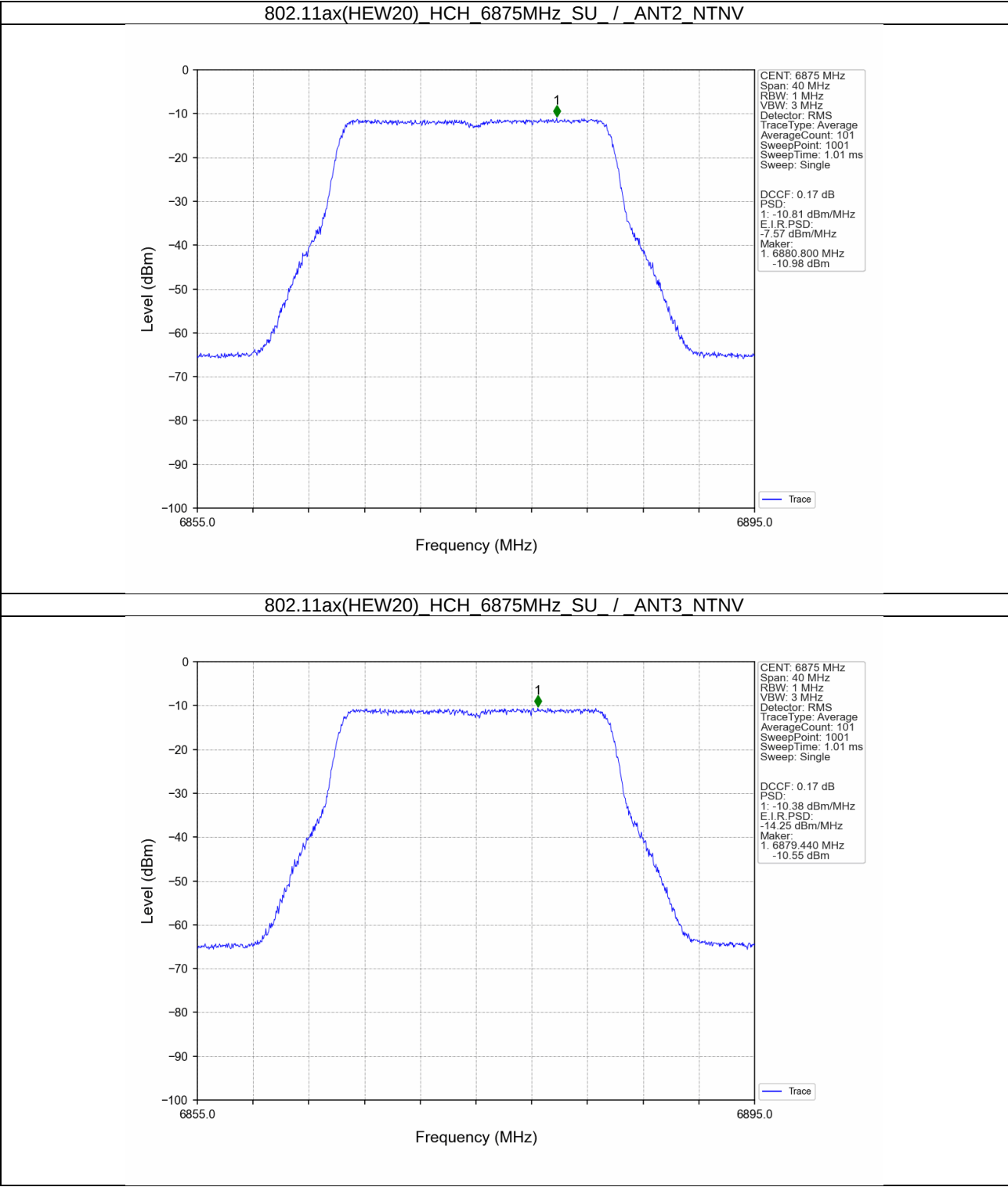




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 222 of 261

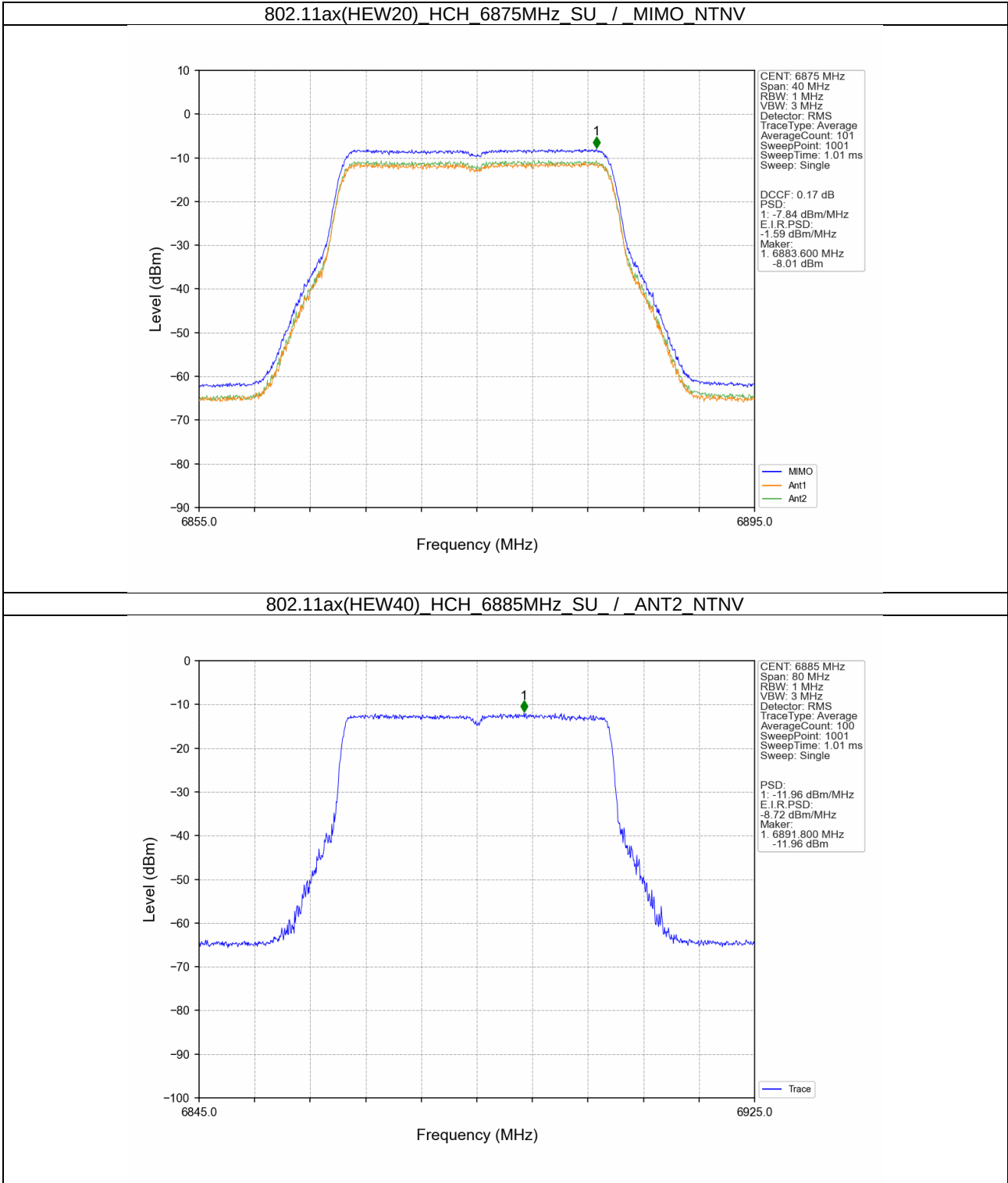
4.2.10 E.I.R.PSD





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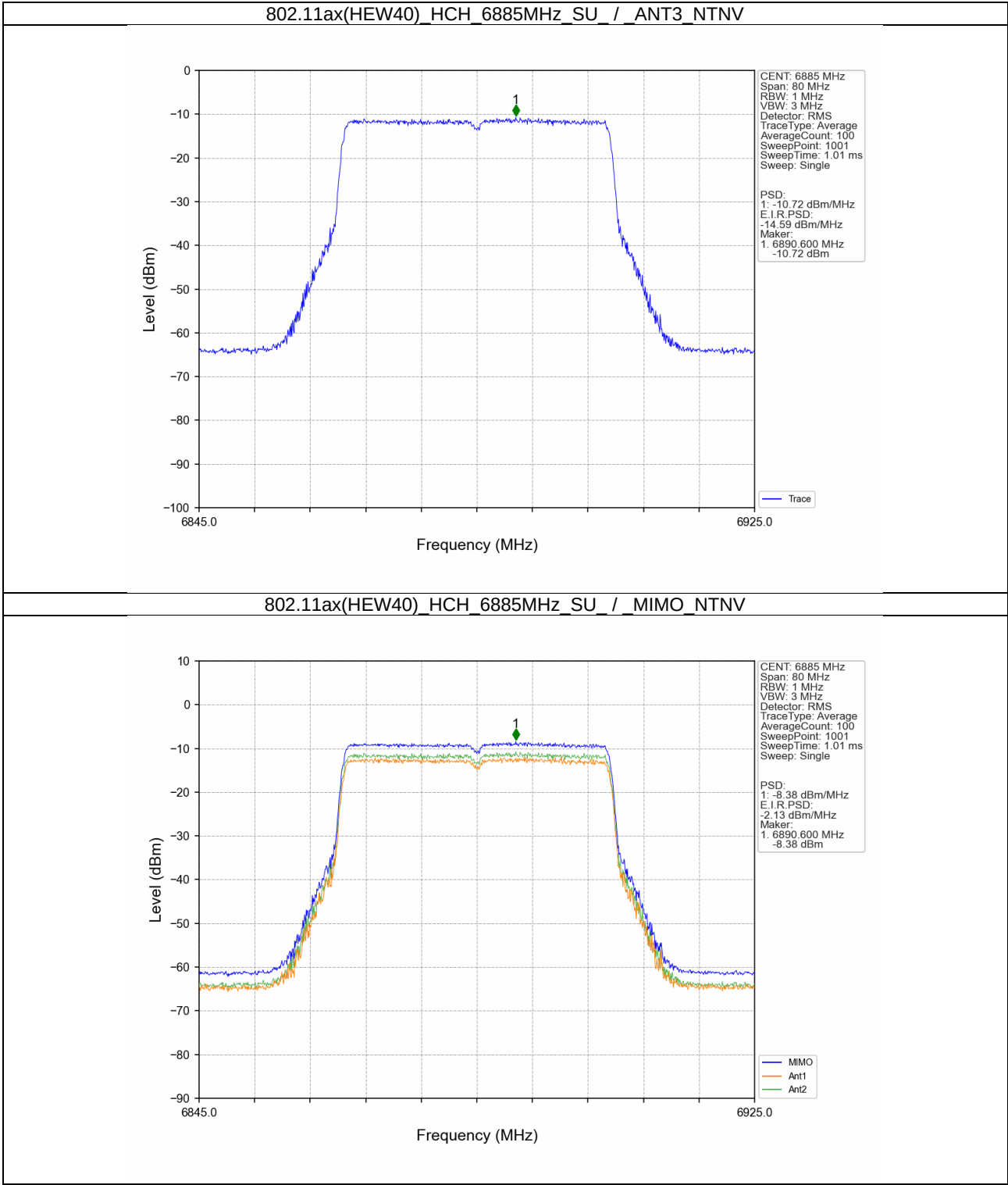
Report No.: SUCR250500043405
Rev.: 01
Page: 223 of 261





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

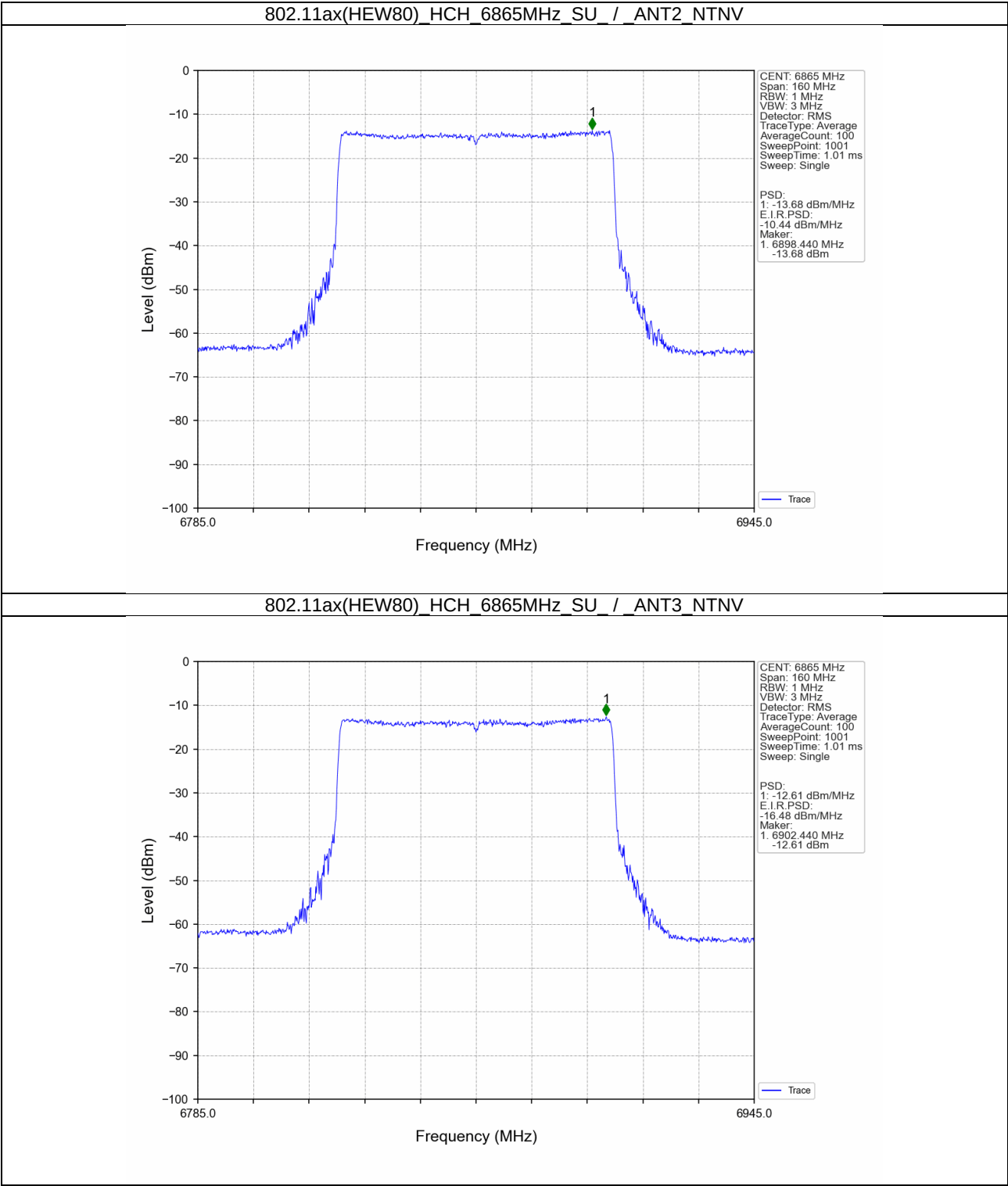
Report No.: SUCR250500043405
Rev.: 01
Page: 224 of 261





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

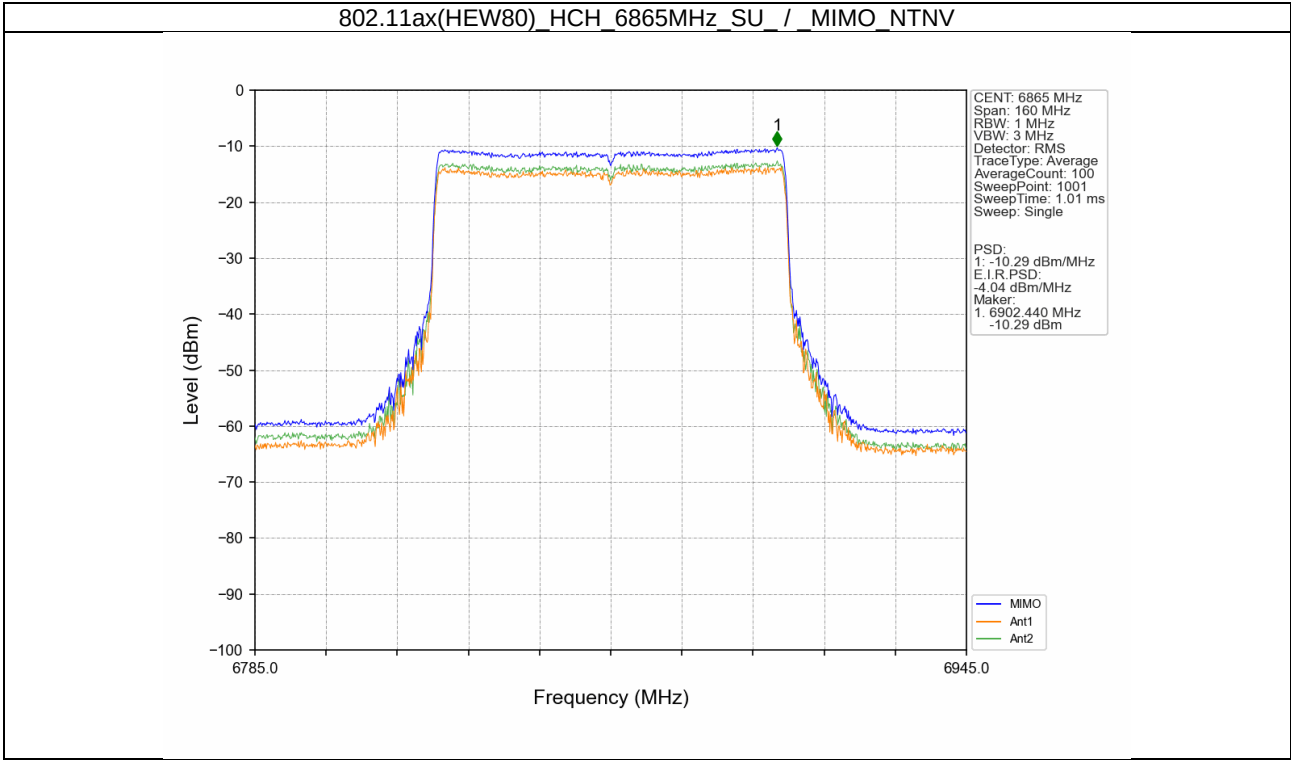
Report No.: SUCR250500043405
Rev.: 01
Page: 225 of 261





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 226 of 261

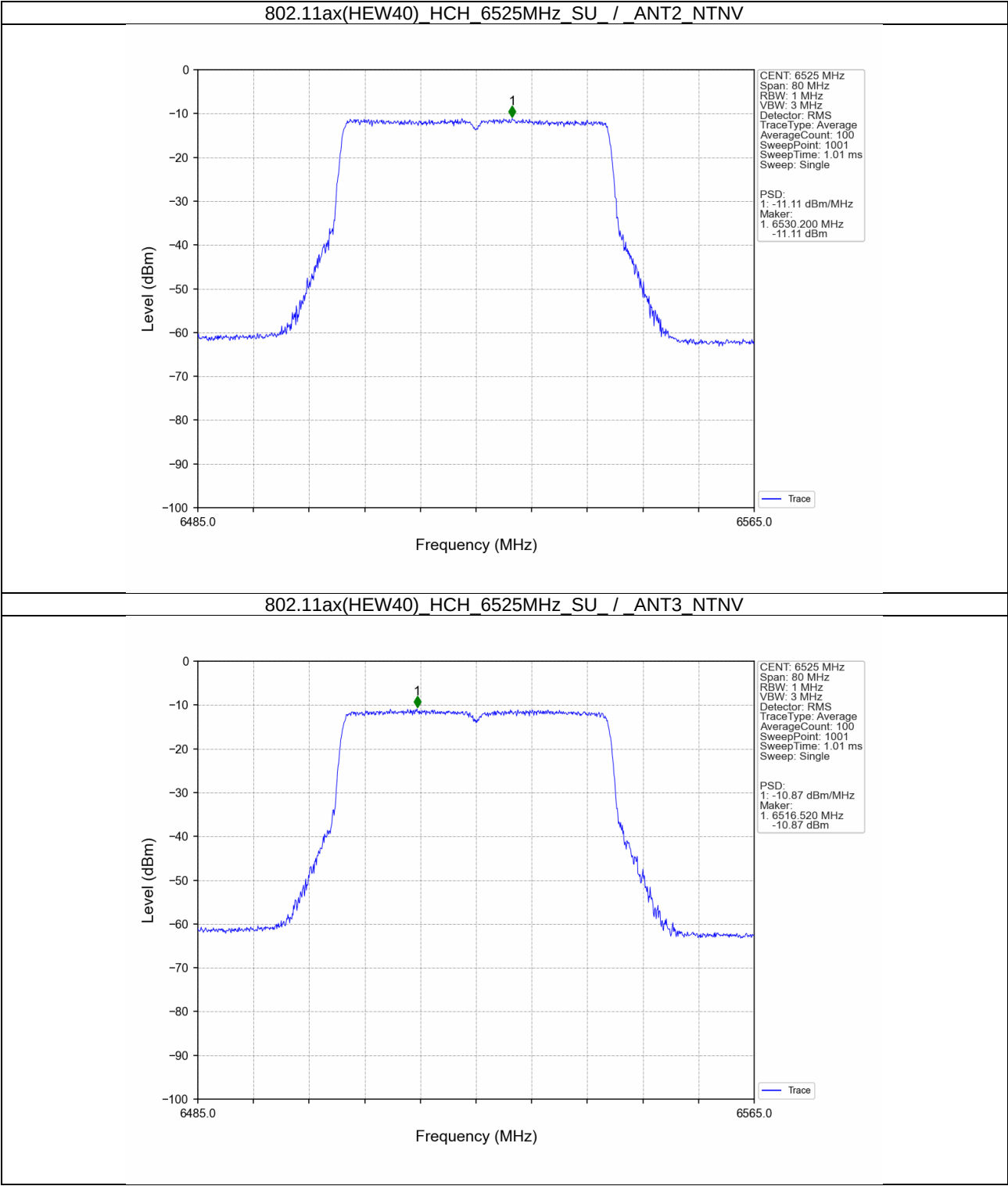




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 227 of 261

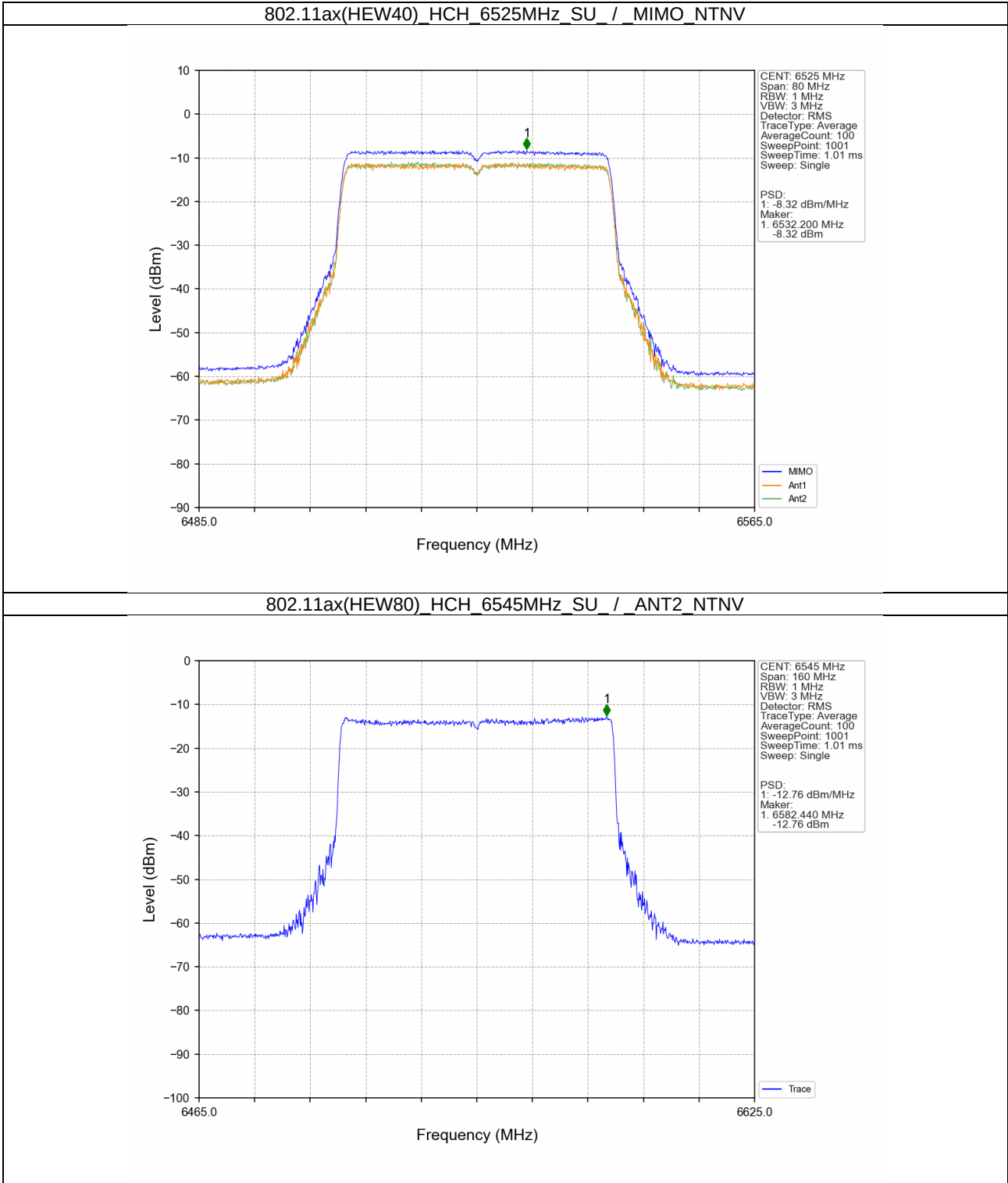
4.2.11 PSD





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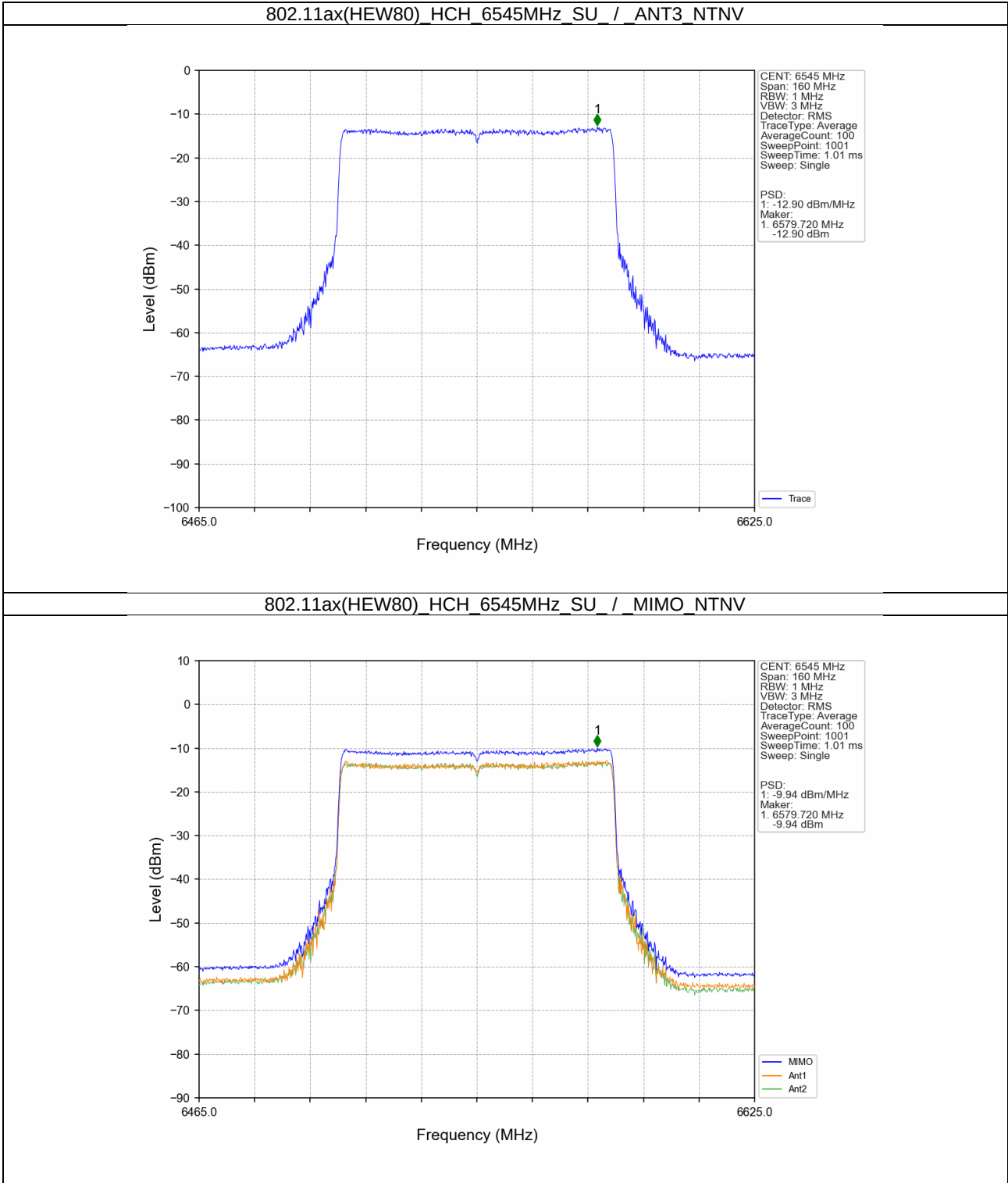
Report No.: SUCR250500043405
Rev.: 01
Page: 228 of 261





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 229 of 261

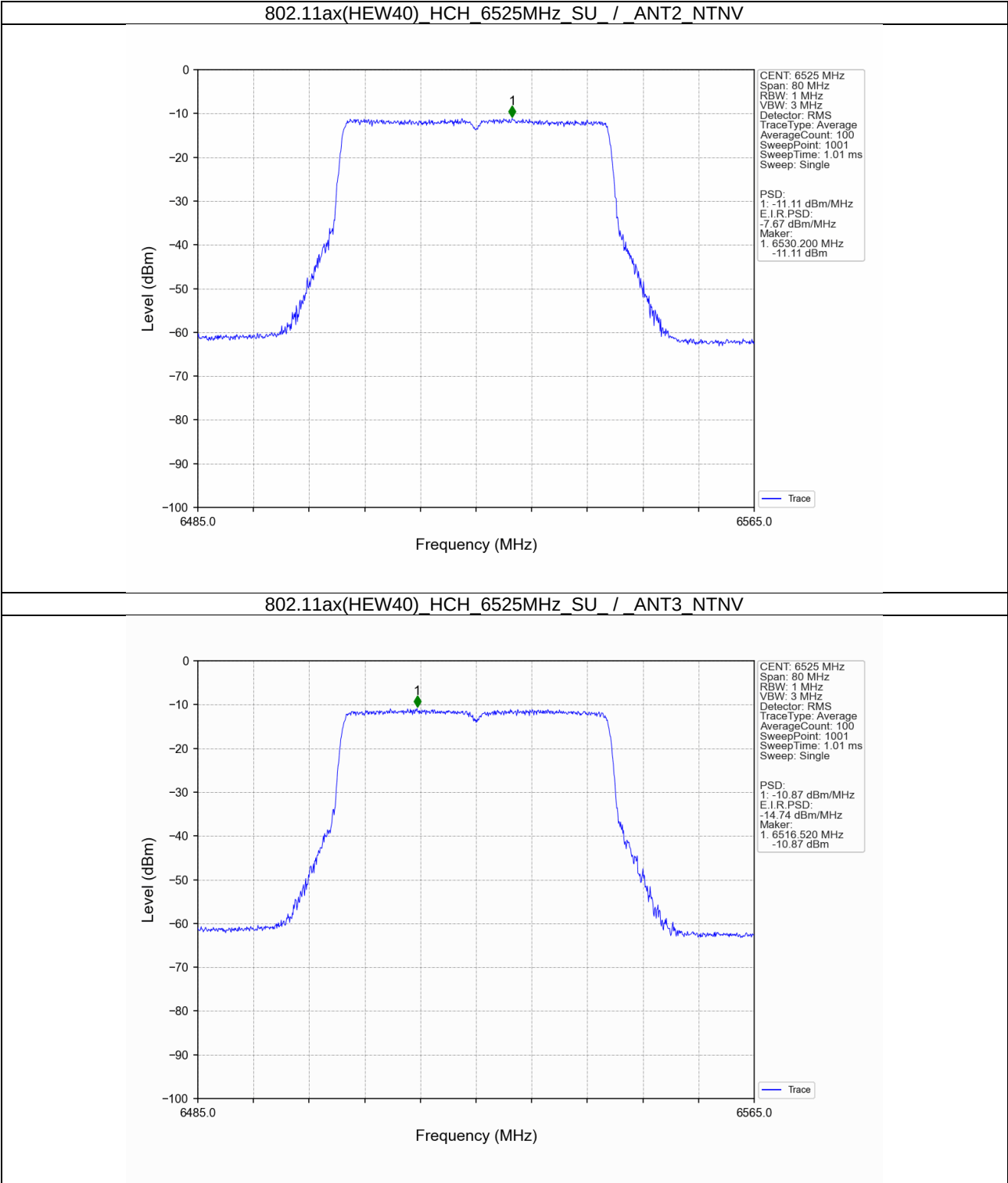




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 230 of 261

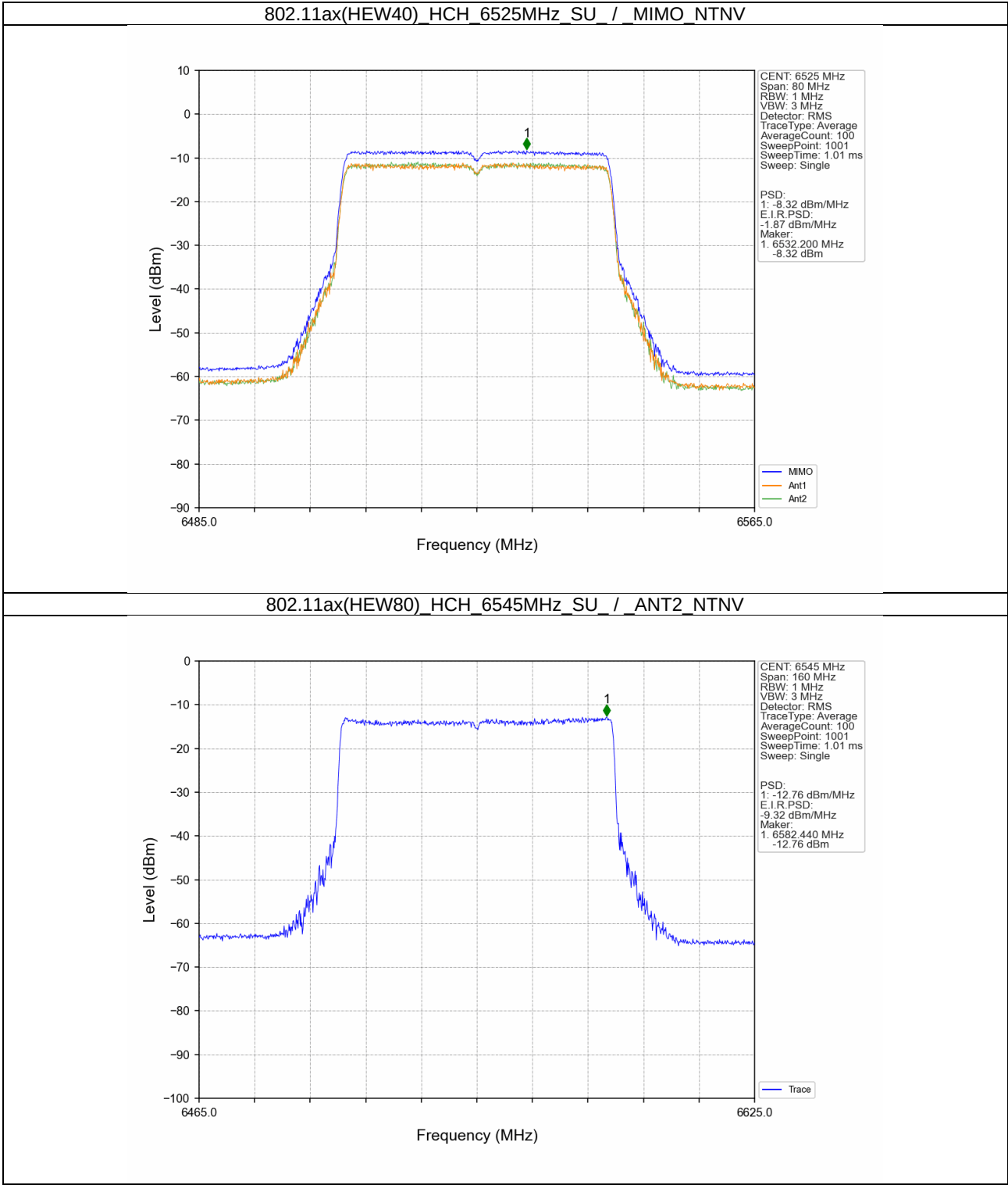
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

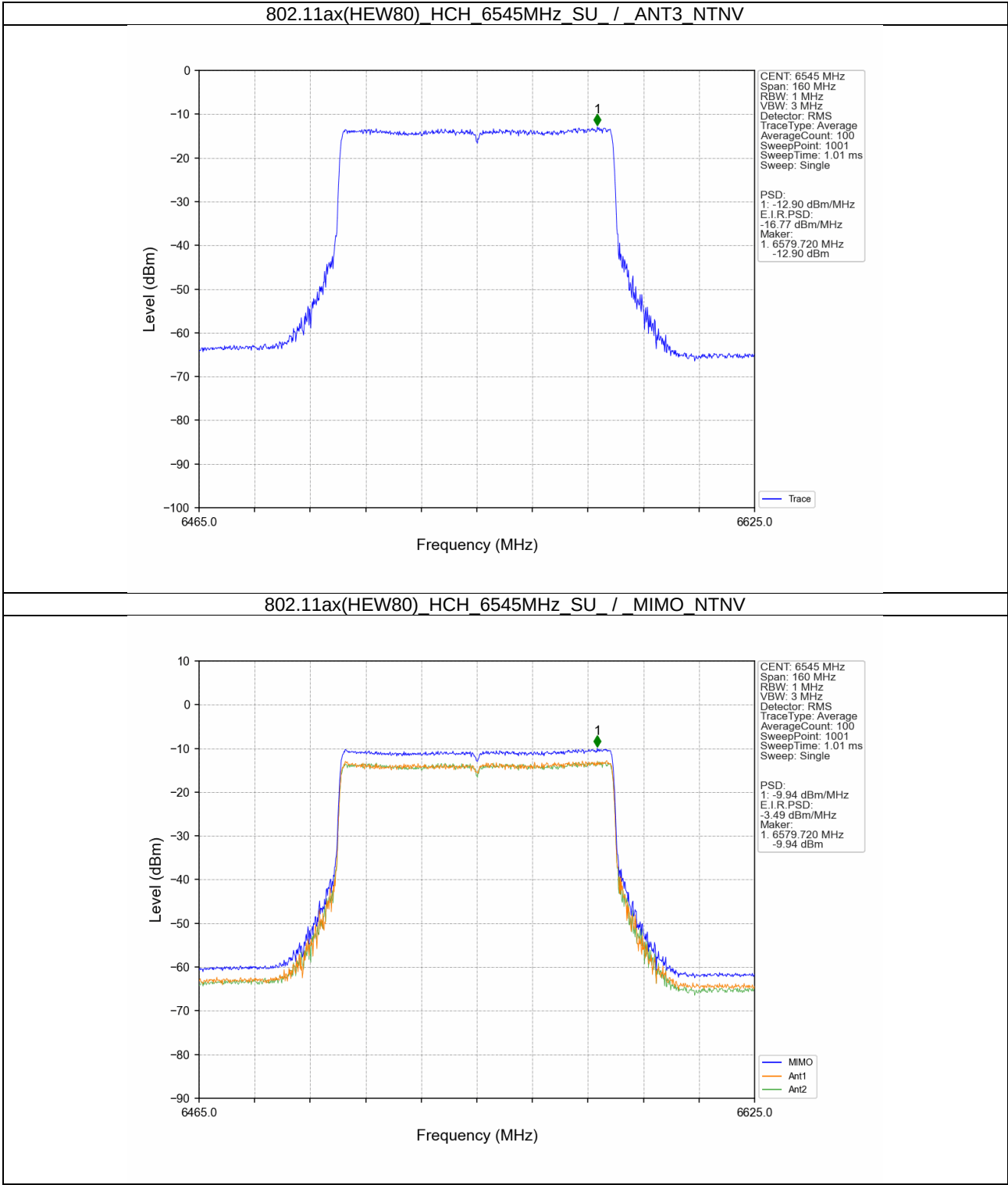
Report No.: SUCR250500043405
Rev.: 01
Page: 231 of 261





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 232 of 261





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405

Rev.: 01

Page: 233 of 261

Contention Based Protocol Test Result

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 5	6175	20	6175	-77.06	100	-62	-73.69	-3.37	11.69
					Result: Stop Transmission				
				-77.82	<90	-62	-74.45	-3.37	12.45
					Result: Minimal Operation				
				-78.55	0	-62	-75.18	-3.37	13.18
	6145	80	6110		Result: Normal Operation				
				-75.21	100	-62	-71.84	-3.37	9.84
					Result: Stop Transmission				
				-76.02	<90	-62	-72.65	-3.37	10.65
					Result: Minimal Operation				
			6145	-76.84	0	-62	-73.47	-3.37	11.47
					Result: Normal Operation				
				-76.11	100	-62	-72.74	-3.37	10.74
					Result: Stop Transmission				
				-76.91	<90	-62	-73.54	-3.37	11.54
					Result: Minimal Operation				
			6180	-77.69	0	-62	-74.32	-3.37	12.32
					Result: Normal Operation				
				-76.24	100	-62	-72.87	-3.37	10.87
					Result: Stop Transmission				
				-77.03	<90	-62	-73.66	-3.37	11.66
					Result: Minimal Operation				
				-77.8	0	-62	-74.43	-3.37	12.43
					Result: Normal Operation				

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405

Rev.: 01

Page: 234 of 261

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 6	6475	20	6475	-76.52	100	-62	-72.65	-3.87	10.65
				Result: Stop Transmission					
				-77.27	<90	-62	-73.4	-3.87	11.4
				Result: Minimal Operation					
				-78.01	0	-62	-74.14	-3.87	12.14
	6465	80	6430	Result: Normal Operation					
				-76.8	100	-62	-72.93	-3.87	10.93
				Result: Stop Transmission					
				-77.56	<90	-62	-73.69	-3.87	11.69
				Result: Minimal Operation					
			6465	-78.93	0	-62	-75.06	-3.87	13.06
				Result: Normal Operation					
				-75.24	100	-62	-71.37	-3.87	9.37
				Result: Stop Transmission					
				-76.6	<90	-62	-72.73	-3.87	10.73
				Result: Minimal Operation					
				-78.09	0	-62	-74.22	-3.87	12.22
			6500	Result: Normal Operation					
				-75.53	100	-62	-71.66	-3.87	9.66
				Result: Stop Transmission					
				-77.18	<90	-62	-73.31	-3.87	11.31
				Result: Minimal Operation					
				-78.65	0	-62	-74.78	-3.87	12.78
				Result: Normal Operation					

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405

Rev.: 01

Page: 235 of 261

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 7	6695	20	6695	-76.85	100	-62	-72.98	-3.87	10.98
						Result: Stop Transmission			
				-77.6	<90	-62	-73.73	-3.87	11.73
						Result: Minimal Operation			
				-78.28	0	-62	-74.41	-3.87	12.41
	6705	80	6670			Result: Normal Operation			
				-73.55	100	-62	-69.68	-3.87	7.68
						Result: Stop Transmission			
				-75.27	<90	-62	-71.4	-3.87	9.4
						Result: Minimal Operation			
			6705	-77.72	0	-62	-73.85	-3.87	11.85
						Result: Normal Operation			
				-75.25	100	-62	-71.38	-3.87	9.38
						Result: Stop Transmission			
				-76.05	<90	-62	-72.18	-3.87	10.18
						Result: Minimal Operation			
				-77.64	0	-62	-73.77	-3.87	11.77
						Result: Normal Operation			
			6740	-75.45	100	-62	-71.58	-3.87	9.58
						Result: Stop Transmission			
				-76.29	<90	-62	-72.42	-3.87	10.42
						Result: Minimal Operation			
				-77.81	0	-62	-73.94	-3.87	11.94
						Result: Normal Operation			

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405

Rev.: 01

Page: 236 of 261

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 8	6995	20	6995	-76.76	100	-62	-71.22	-5.54	9.22
				Result: Stop Transmission					
				-77.52	<90	-62	-71.98	-5.54	9.98
				Result: Minimal Operation					
				-78.3	0	-62	-72.76	-5.54	10.76
	7025	80	6990	Result: Normal Operation					
				-74.38	100	-62	-68.84	-5.54	6.84
				Result: Stop Transmission					
				-75.18	<90	-62	-69.64	-5.54	7.64
				Result: Minimal Operation					
			7025	-77.64	0	-62	-72.1	-5.54	10.1
				Result: Normal Operation					
				-73.77	100	-62	-68.23	-5.54	6.23
				Result: Stop Transmission					
				-74.64	<90	-62	-69.1	-5.54	7.1
				Result: Minimal Operation					
			7060	-76.36	0	-62	-70.82	-5.54	8.82
				Result: Normal Operation					
				-74.2	100	-62	-68.66	-5.54	6.66
				Result: Stop Transmission					
				-75.25	<90	-62	-69.71	-5.54	7.71
				Result: Minimal Operation					
				-77.58	0	-62	-72.04	-5.54	10.04
				Result: Normal Operation					

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

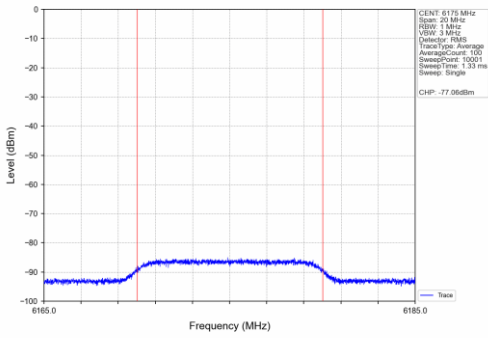
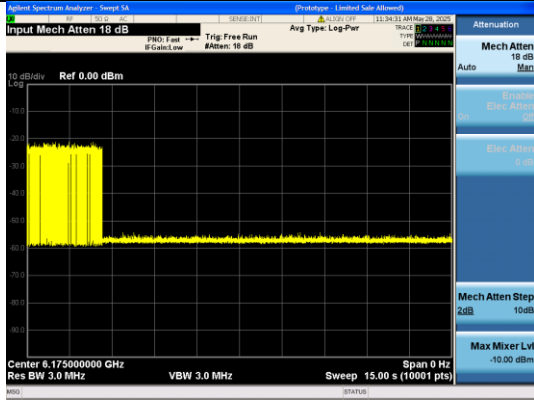
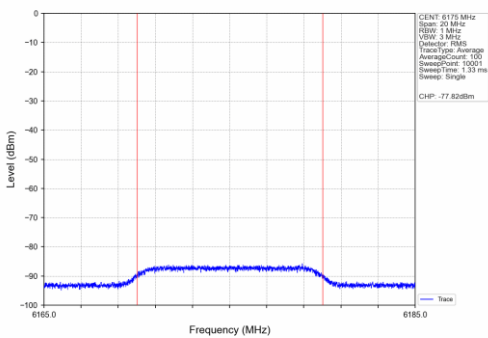
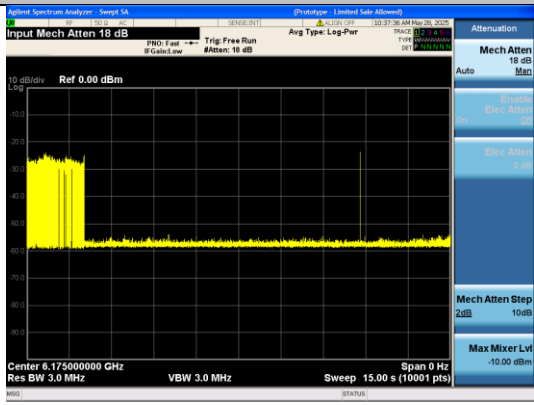
Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 237 of 261

Test Graphs

Contention Based Protocol Result on U-NII 5 (AWGN Interference)			
802.11 ax (HE20) /6175MHz Threshold Level (TL)		802.11 ax (HE20) /6175MHz Test Result is pass due to no transmission occur.	
			
802.11 ax (HE20) /6175MHz Threshold Level (TL)		802.11 ax (HE20) /6175MHz Transmission when the interferer is Minimal Operation	
			



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

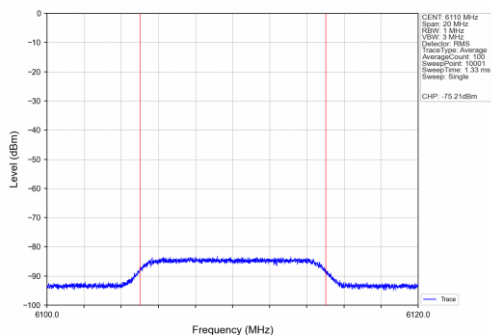
Report No.: SUCR250500043405

Rev.: 01

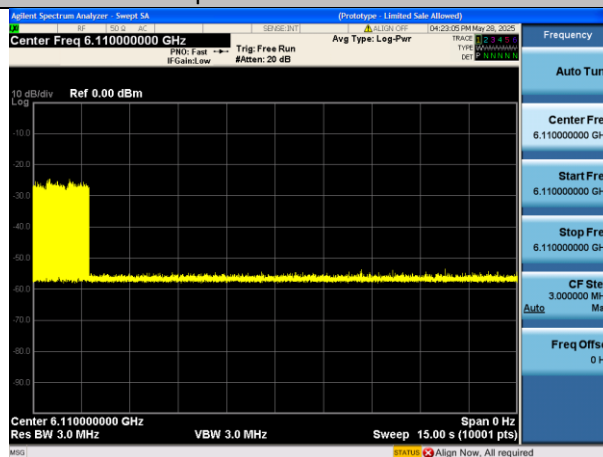
Page: 238 of 261

Contention Based Protocol Result on U-NII 5 (AWGN Interference)

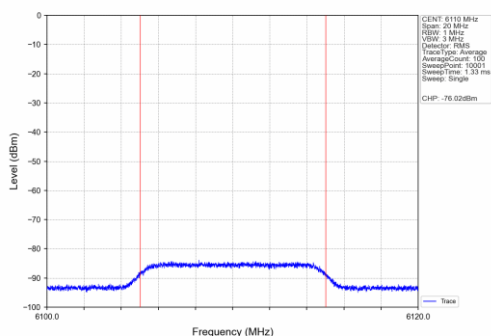
802.11 ax (HE80) /6110MHz
Threshold Level (TL)



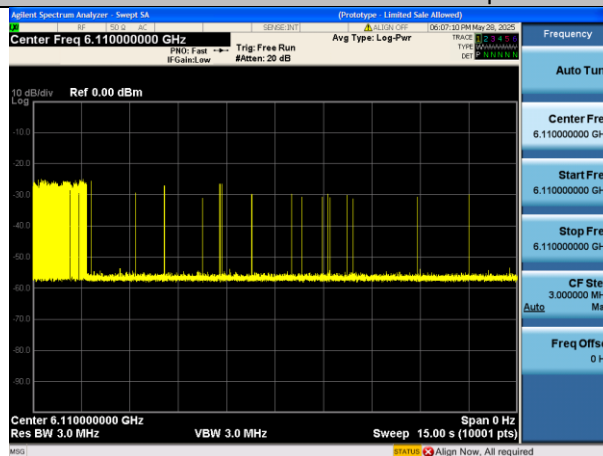
802.11 ax (HE80) /6110MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6110MHz
Threshold Level (TL)



802.11 ax (HE80) /6110MHz
Transmission when the interferer is Minimal Operation





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 239 of 261

Contention Based Protocol Result on U-NII 5 (AWGN Interference)	
802.11 ax (HE80) /6145MHz Threshold Level (TL)	802.11 ax (HE80) /6145MHz Test Result is pass due to no transmission occur.
802.11 ax (HE80) /6145MHz Threshold Level (TL)	802.11 ax (HE80) /6145MHz Transmission when the interferer is Minimal Operation



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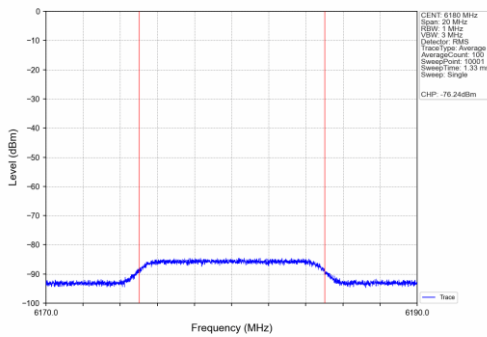
Report No.: SUCR250500043405

Rev.: 01

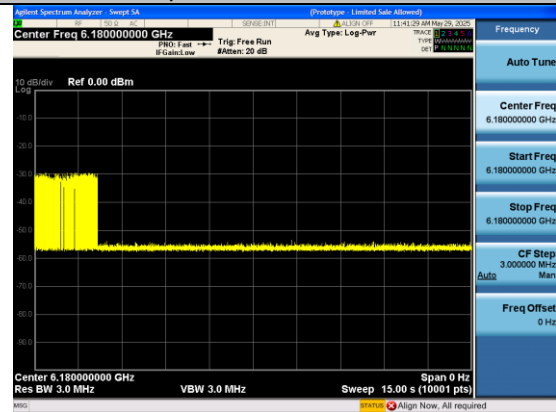
Page: 240 of 261

Contention Based Protocol Result on U-NII 5 (AWGN Interference)

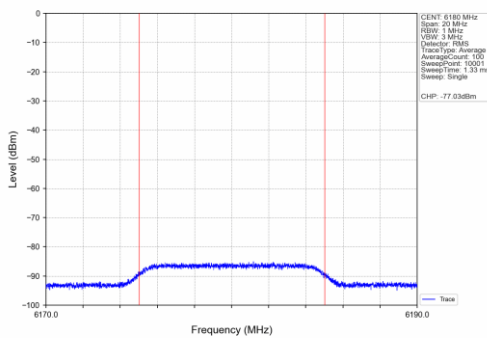
802.11 ax (HE80) /6180MHz
Threshold Level (TL)



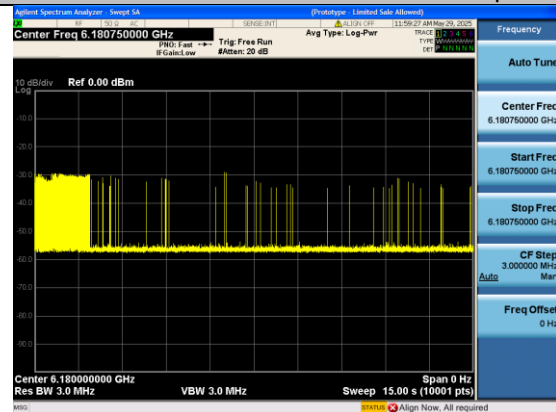
802.11 ax (HE80) /6180MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6180MHz
Threshold Level (TL)



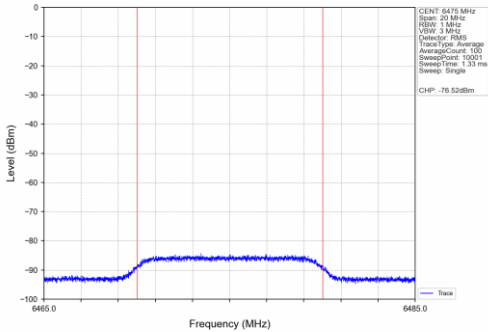
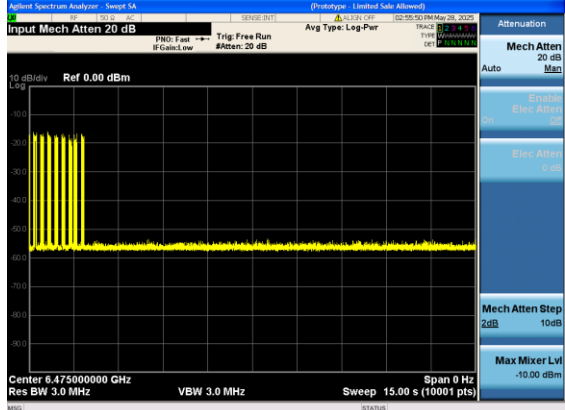
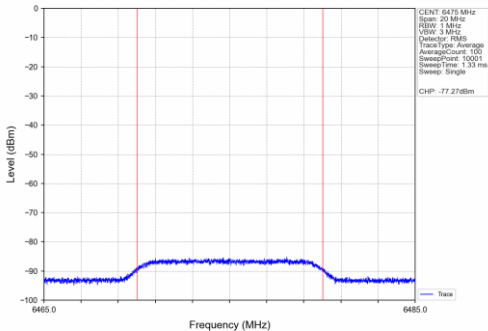
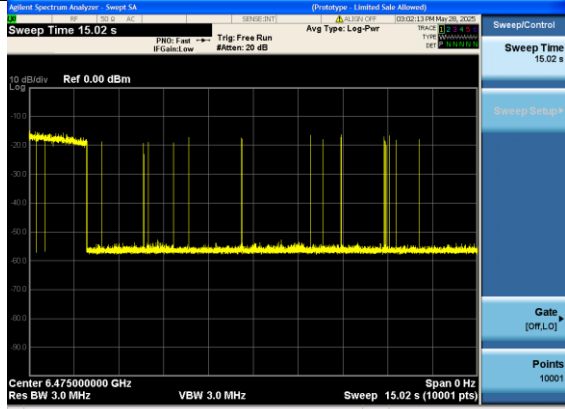
802.11 ax (HE80) /6180MHz
Transmission when the interferer is Minimal Operation





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 241 of 261

Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 ax (HE20) /6475MHz Threshold Level (TL)	802.11 ax (HE20) 6475MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE20) /6475MHz Threshold Level (TL)	802.11 ax (HE20) /6475MHz Transmission when the interferer is Minimal Operation
	



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 242 of 261

Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 ax (HE80) /6430MHz Threshold Level (TL)	802.11 ax (HE80) /6430MHz Test Result is pass due to no transmission occur.
802.11 ax (HE80) /6430MHz Threshold Level (TL)	802.11 ax (HE80) /6430MHz Transmission when the interferer is Minimal Operation



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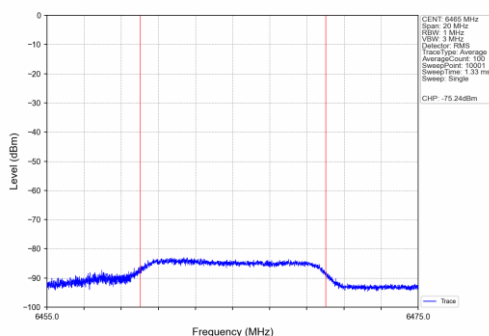
Report No.: SUCR250500043405

Rev.: 01

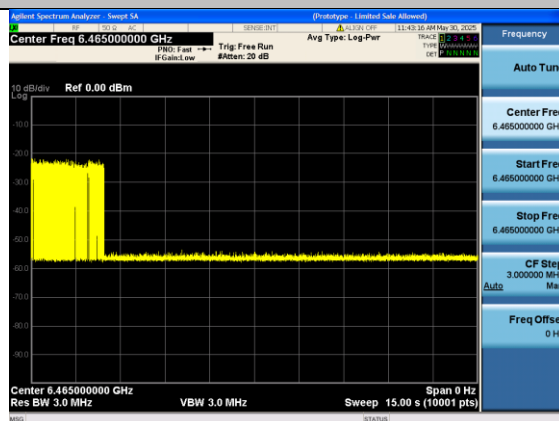
Page: 243 of 261

Contention Based Protocol Result on U-NII 6 (AWGN Interference)

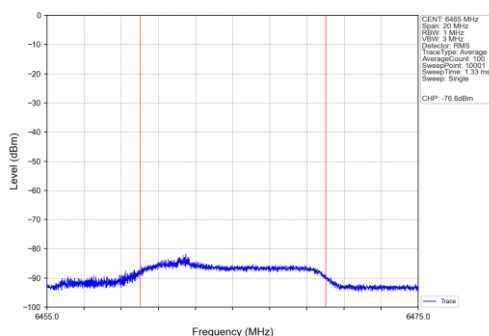
802.11 ax (HE80) /6465MHz
Threshold Level (TL)



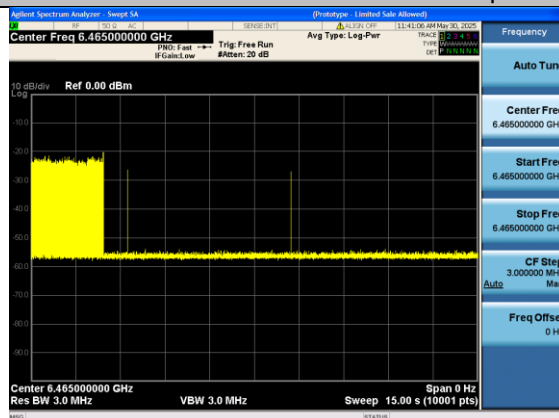
802.11 ax (HE80) /6465MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6465MHz
Threshold Level (TL)



802.11 ax (HE80) /6465MHz
Transmission when the interferer is Minimal Operation





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 244 of 261

Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 ax (HE80) /6500MHz Threshold Level (TL)	802.11 ax (HE80) /6500MHz Test Result is pass due to no transmission occur.
802.11 ax (HE80) /6500MHz Threshold Level (TL)	802.11 ax (HE80) /6500MHz Transmission when the interferer is Minimal Operation



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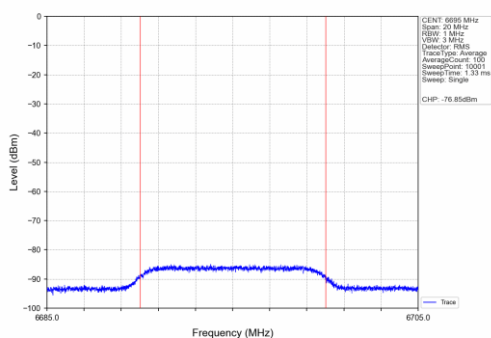
Report No.: SUCR250500043405

Rev.: 01

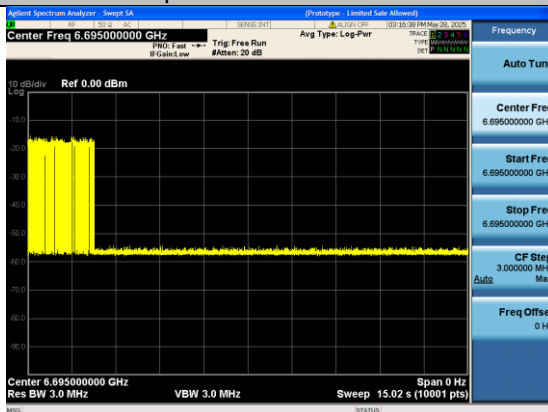
Page: 245 of 261

Contention Based Protocol Result on U-NII 7 (AWGN Interference)

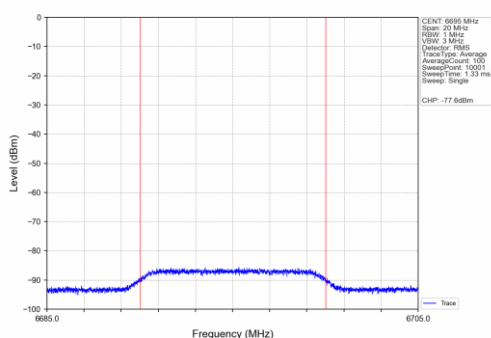
802.11 ax (HE20) /6695MHz
Threshold Level (TL)



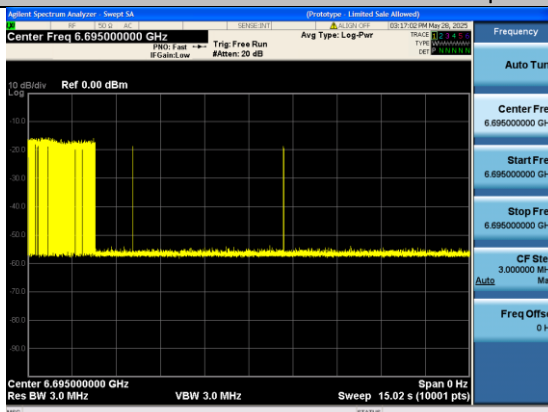
802.11 ax (HE20) /6695MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE20) /6695MHz
Threshold Level (TL)



802.11 ax (HE20) /6695MHz
Transmission when the interferer is Minimal Operation





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 246 of 261

Contention Based Protocol Result on U-NII 7 (AWGN Interference)	
802.11 ax (HE80) /6670MHz Threshold Level (TL)	802.11 ax (HE80) /6670MHz Test Result is pass due to no transmission occur.
802.11 ax (HE80) /6670MHz Threshold Level (TL)	802.11 ax (HE80) /6670MHz Transmission when the interferer is Minimal Operation



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

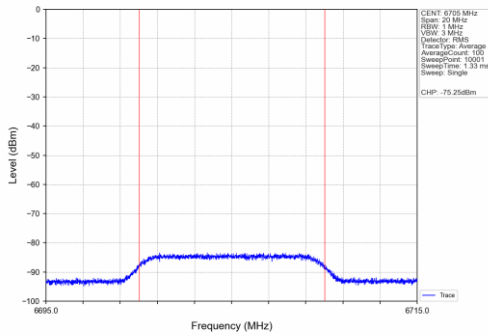
Report No.: SUCR250500043405

Rev.: 01

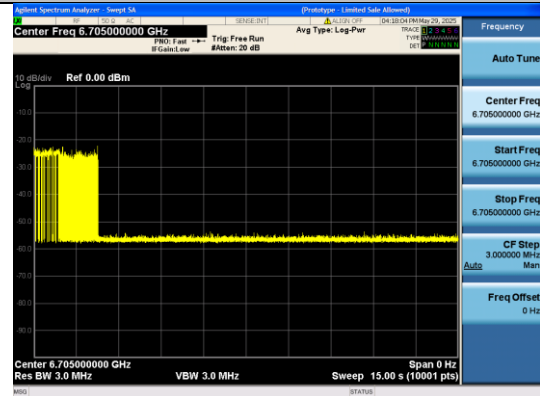
Page: 247 of 261

Contention Based Protocol Result on U-NII 7 (AWGN Interference)

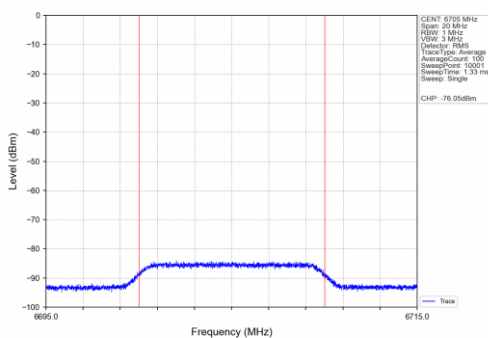
802.11 ax (HE80) /6705MHz
Threshold Level (TL)



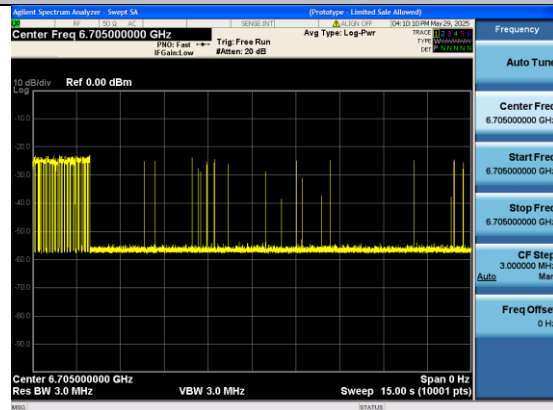
802.11 ax (HE80) /6705MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6705MHz
Threshold Level (TL)



802.11 ax (HE80) /6705MHz
Transmission when the interferer is Minimal
Operation





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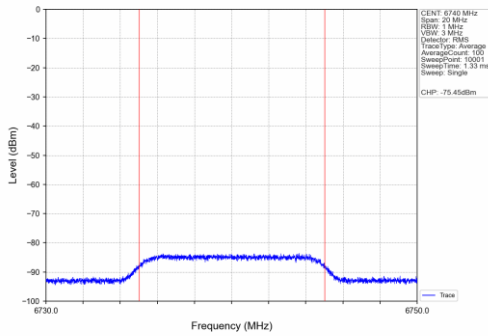
Report No.: SUCR250500043405

Rev.: 01

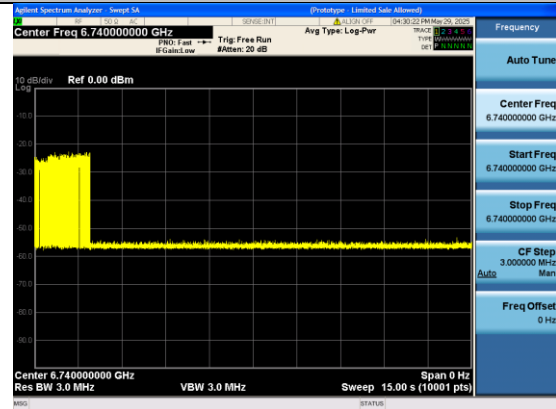
Page: 248 of 261

Contention Based Protocol Result on U-NII 7 (AWGN Interference)

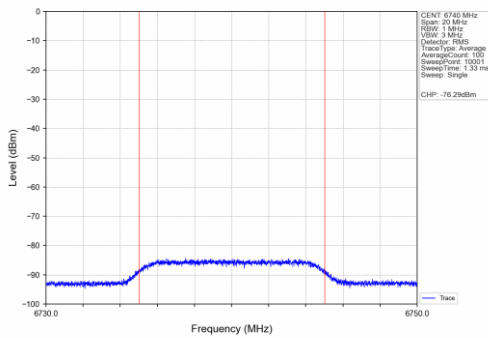
802.11 ax (HE80) /6740MHz
Threshold Level (TL)



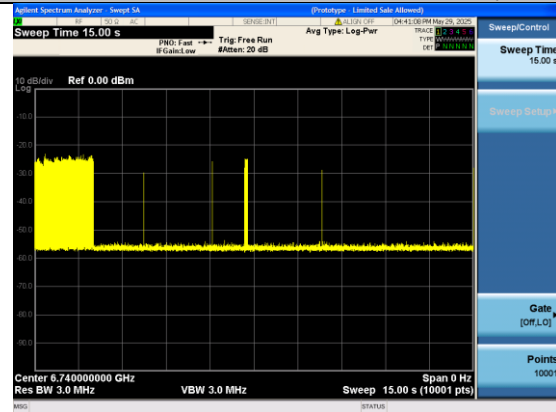
802.11 ax (HE80) /6740MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6740MHz
Threshold Level (TL)



802.11 ax (HE80) /6740MHz
Transmission when the interferer is Minimal Operation





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 249 of 261

Contention Based Protocol Result on U-NII 8 (AWGN Interference)	
802.11 ax (HE20) /6995MHz Threshold Level (TL)	802.11 ax (HE20) /6995MHz Test Result is pass due to no transmission occur.
802.11 ax (HE20) /6995MHz Threshold Level (TL)	802.11 ax (HE20) /6995MHz Transmission when the interferer is Minimal Operation



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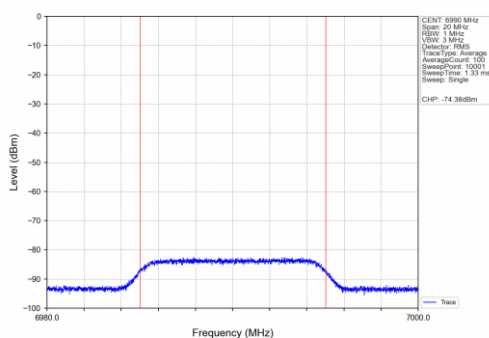
Report No.: SUCR250500043405

Rev.: 01

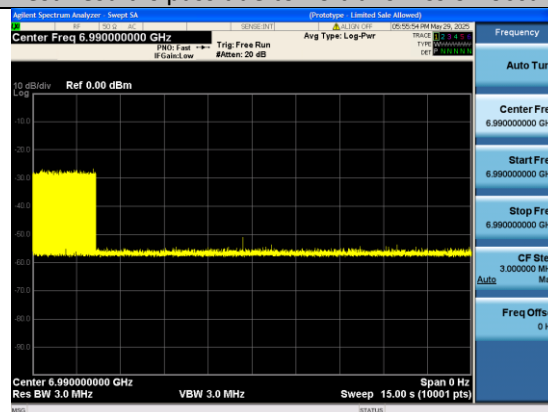
Page: 250 of 261

Contention Based Protocol Result on U-NII 8 (AWGN Interference)

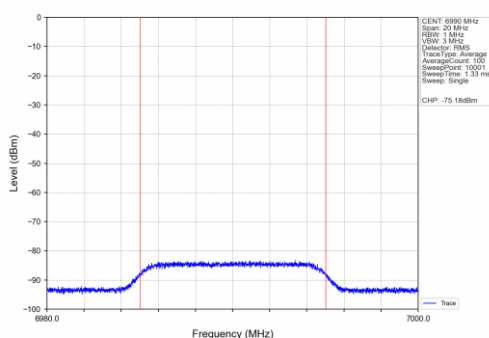
802.11 ax (HE80) /6990MHz
Threshold Level (TL)



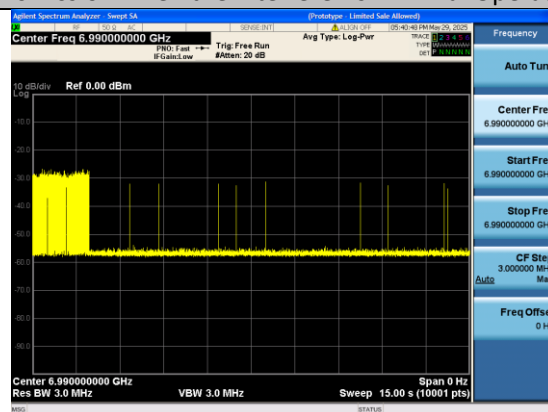
802.11 ax (HE80) /6990MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6990MHz
Threshold Level (TL)



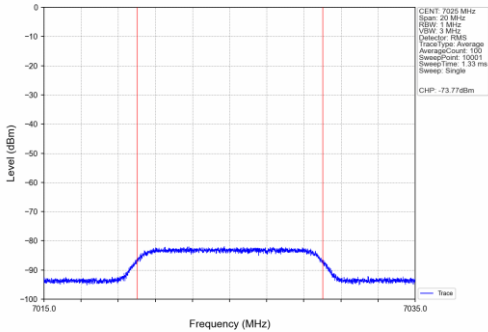
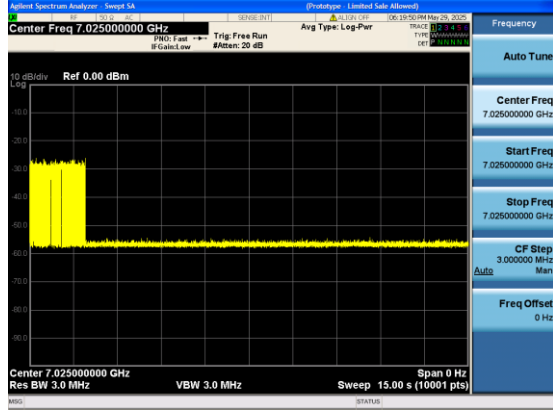
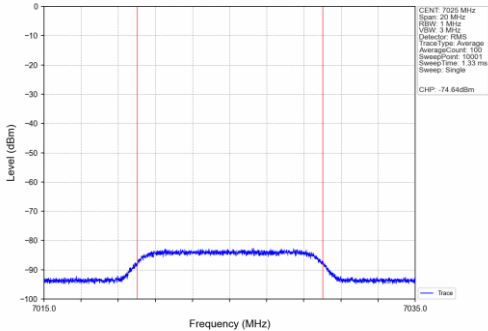
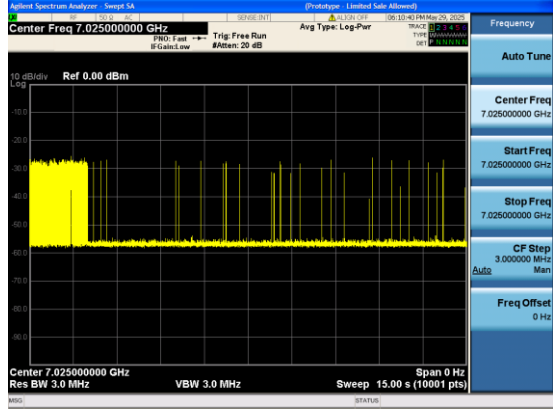
802.11 ax (HE80) /6990MHz
Transmission when the interferer is Minimal Operation





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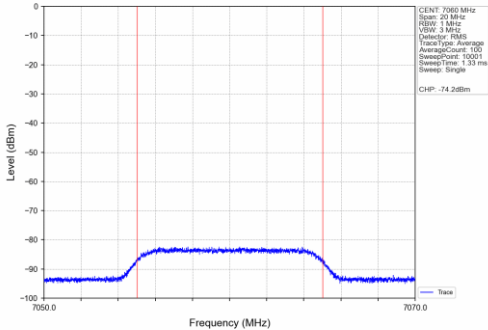
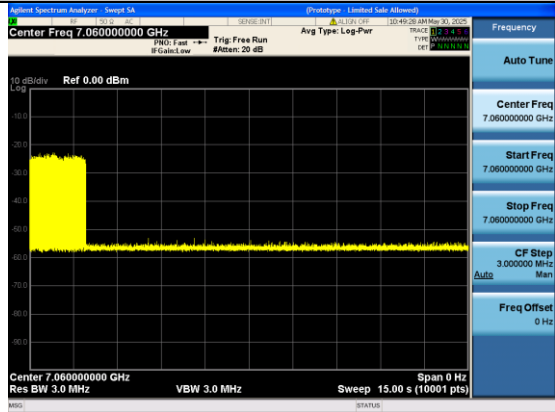
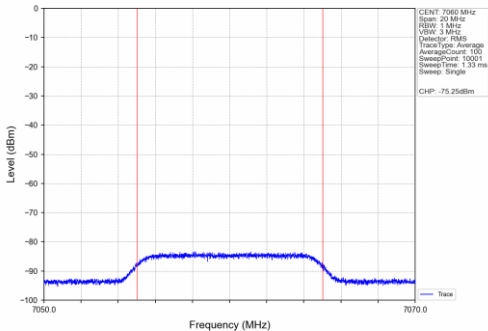
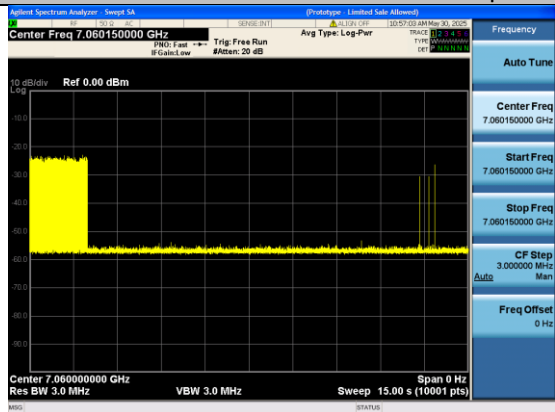
Report No.: SUCR250500043405
Rev.: 01
Page: 251 of 261

Contention Based Protocol Result on U-NII 8 (AWGN Interference)	
802.11 ax (HE80) /7025MHz Threshold Level (TL)	802.11 ax (HE80) /7025MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE80) /7025MHz Threshold Level (TL)	802.11 ax (HE80) /7025MHz Transmission when the interferer is Minimal Operation
	



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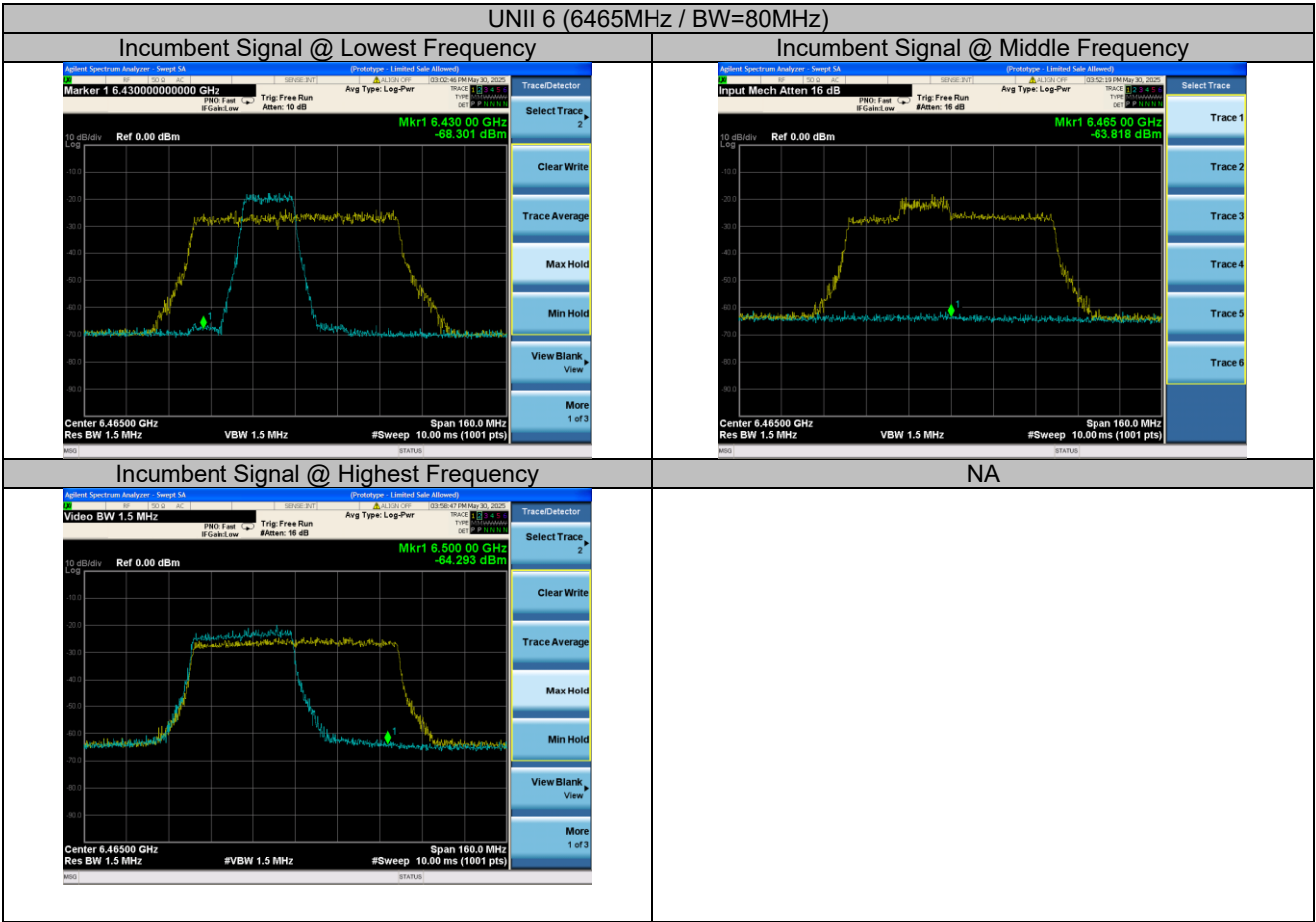
Report No.: SUCR250500043405
Rev.: 01
Page: 252 of 261

Contention Based Protocol Result on U-NII 8 (AWGN Interference)	
802.11 ax (HE80) /7060MHz Threshold Level (TL)	802.11 ax (HE80) /7060MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE80) /7060MHz Threshold Level (TL)	802.11 ax (HE80) /7060MHz Transmission when the interferer is Minimal Operation
	



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 253 of 261



Note: The device does not support channel puncturing for CBP mode, the CBP mode empty channel reduction mechanism to protect incumbent operations.



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405

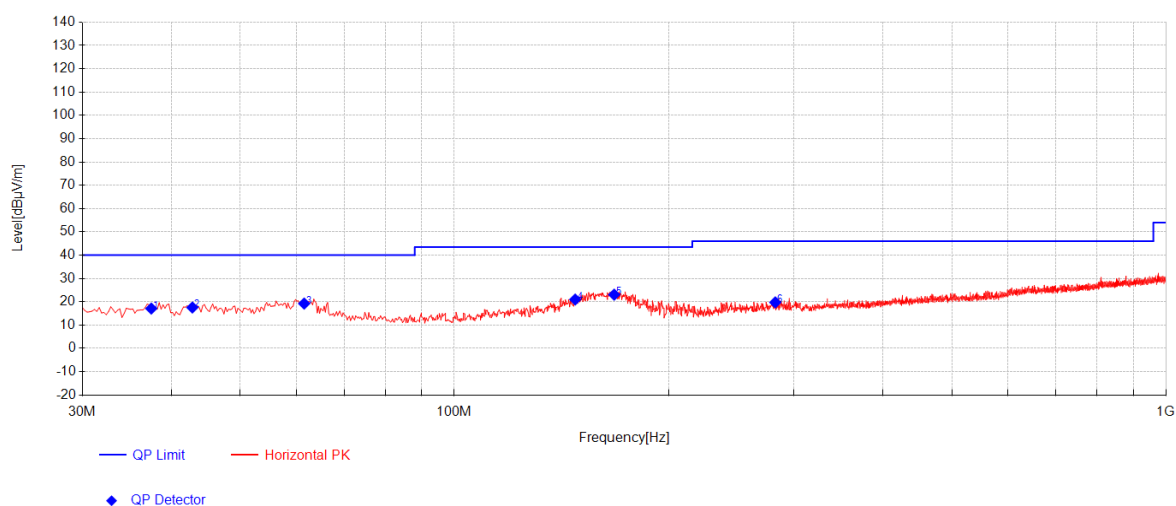
Rev.: 01

Page: 254 of 261

Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802.11ax40_Channel 227



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.5175	32.42	18.55	-33.90	17.07	40.00	22.93	192	158	Horizontal
2	42.8525	32.55	18.79	-33.81	17.52	40.00	22.48	178	290	Horizontal
3	61.525	35.30	17.45	-33.53	19.21	40.00	20.79	167	354	Horizontal
4	147.855	34.81	18.84	-32.71	20.95	43.50	22.55	234	20	Horizontal
5	167.74	36.71	18.77	-32.45	23.03	43.50	20.47	199	290	Horizontal
6	282.4425	33.53	17.90	-31.73	19.70	46.00	26.30	218	357	Horizontal

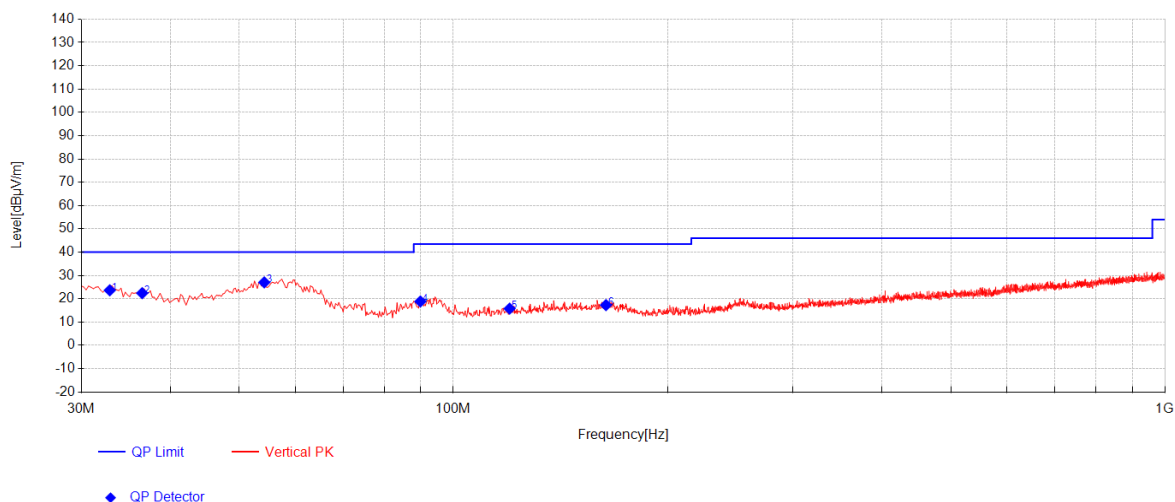


SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405

Rev.: 01

Page: 255 of 261



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.91	39.50	18.10	-33.98	23.62	40.00	16.38	152	36	Vertical
2	36.5475	37.91	18.41	-33.92	22.40	40.00	17.60	199	170	Vertical
3	54.25	42.52	18.13	-33.63	27.01	40.00	12.99	263	308	Vertical
4	89.8975	37.41	14.68	-33.26	18.83	43.50	24.67	187	325	Vertical
5	119.9675	31.87	16.79	-32.92	15.75	43.50	27.75	247	247	Vertical
6	163.86	30.96	18.80	-32.50	17.26	43.50	26.24	164	341	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Value = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Value(dBμV/m)
- All channels have been tested, but only the worst case data displayed in this report.



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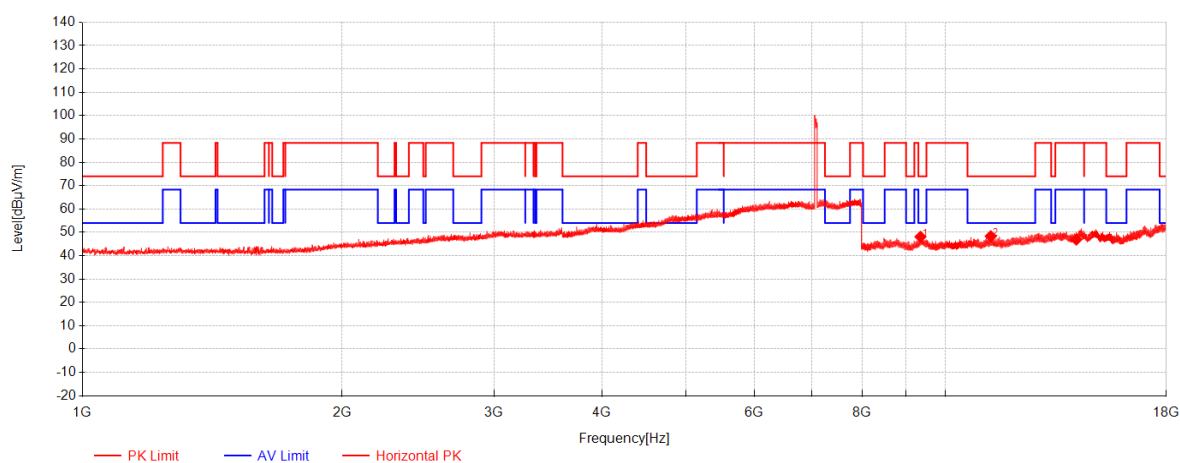
Report No.: SUCR250500043405

Rev.: 01

Page: 256 of 261

Transmitter emission Above 1GHz

802.11ax40_Channel 227



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9351.6667	43.51	37.71	-33.15	48.06	74.00	25.94	Horizontal
2	11279.333	39.28	38.40	-29.35	48.33	74.00	25.67	Horizontal
3	14170	35.72	40.27	-29.11	46.87	88.30	41.43	Horizontal



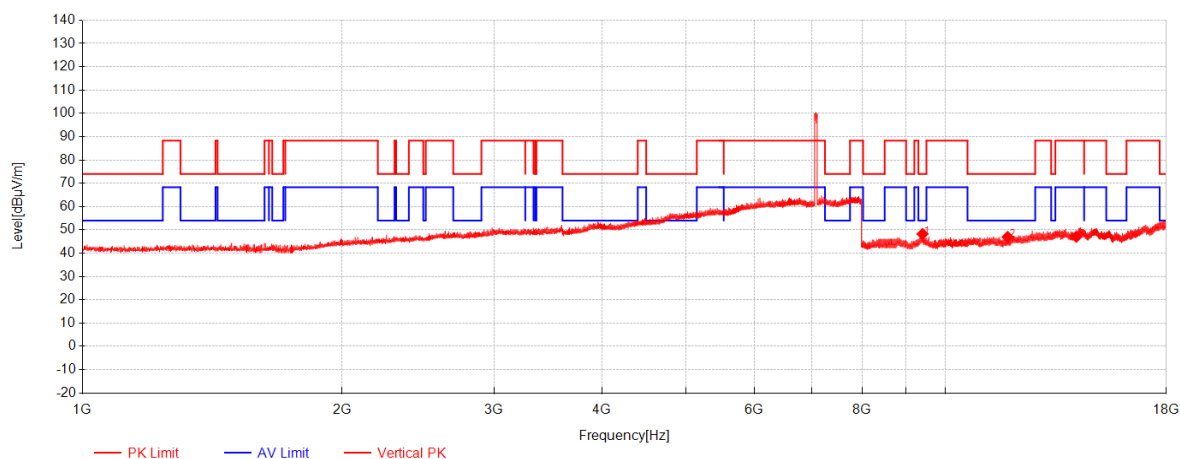
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405

Rev.: 01

Page: 257 of 261

802.11ax40_Channel 227



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9403	43.49	37.72	-32.99	48.22	74.00	25.78	Vertical
2	11798.333	38.04	38.40	-29.50	46.94	74.00	27.06	Vertical
3	14170	35.85	40.27	-29.11	47.00	88.30	41.30	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Level = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Level(dBμV/m)
- All channels have been tested, but only the worst case data displayed in this report.



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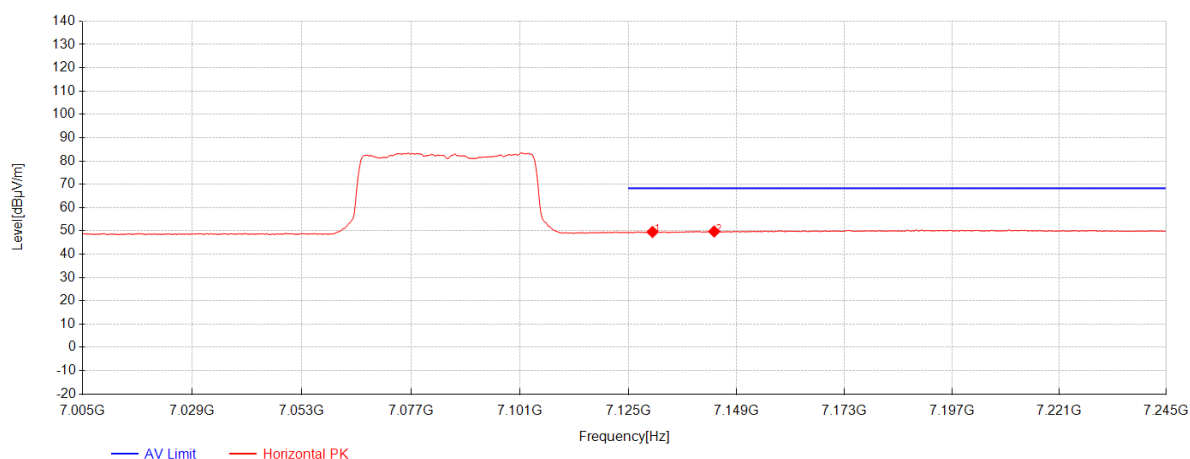
Report No.: SUCR250500043405

Rev.: 01

Page: 258 of 261

Restricted bands around fundamental frequency

802.11ax40_Channel 227



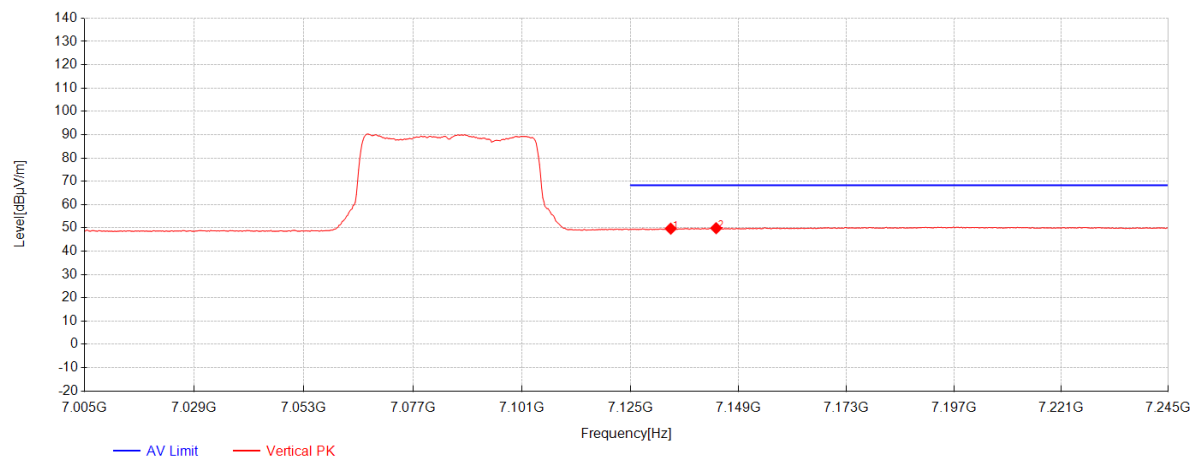
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7130.28	27.78	36.16	-14.43	49.51	68.30	18.79	Horizontal
2	7143.96	27.90	36.17	-14.37	49.71	68.30	18.59	Horizontal



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 259 of 261

802.11ax40_Channel 227



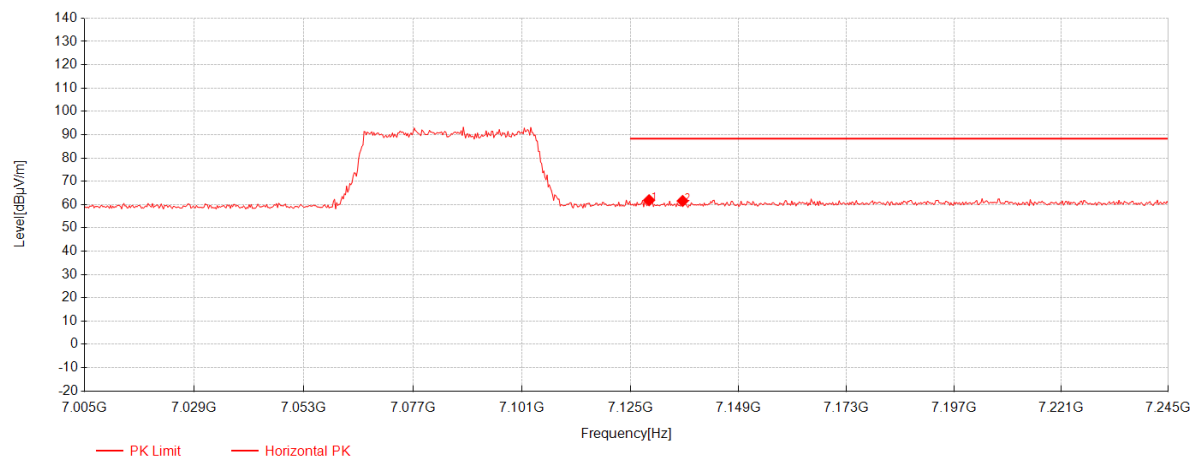
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7133.88	27.89	36.16	-14.41	49.64	68.30	18.66	Vertical
2	7143.96	28.03	36.17	-14.37	49.84	68.30	18.46	Vertical



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405
Rev.: 01
Page: 260 of 261

802.11ax40_Channel 227



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7129.08	40.13	36.15	-14.43	61.85	88.30	26.45	Horizontal
2	7136.52	39.77	36.16	-14.40	61.53	88.30	26.77	Horizontal



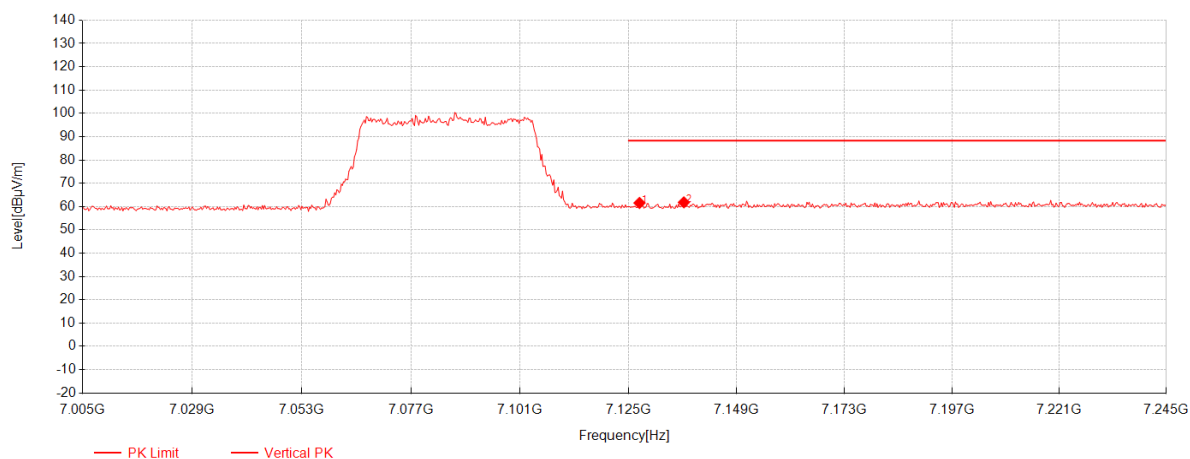
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500043405

Rev.: 01

Page: 261 of 261

802.11ax40_Channel 227



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7127.4	39.82	36.15	-14.44	61.53	88.30	26.77	Vertical
2	7137.24	40.03	36.16	-14.40	61.80	88.30	26.50	Vertical

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Level = Reading(dBμV) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit(dBμV/m) – Level(dBμV/m)

---End of Report---