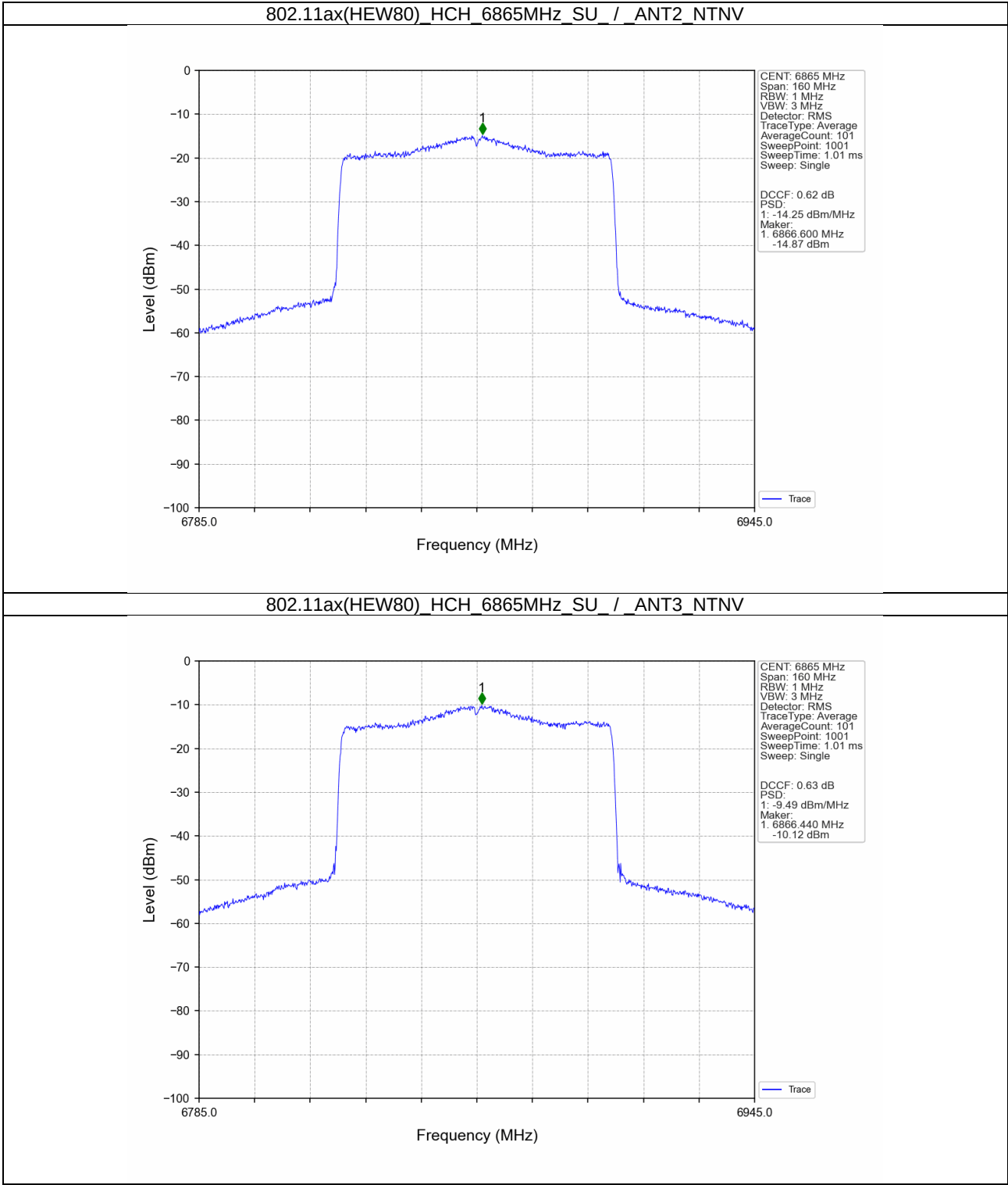




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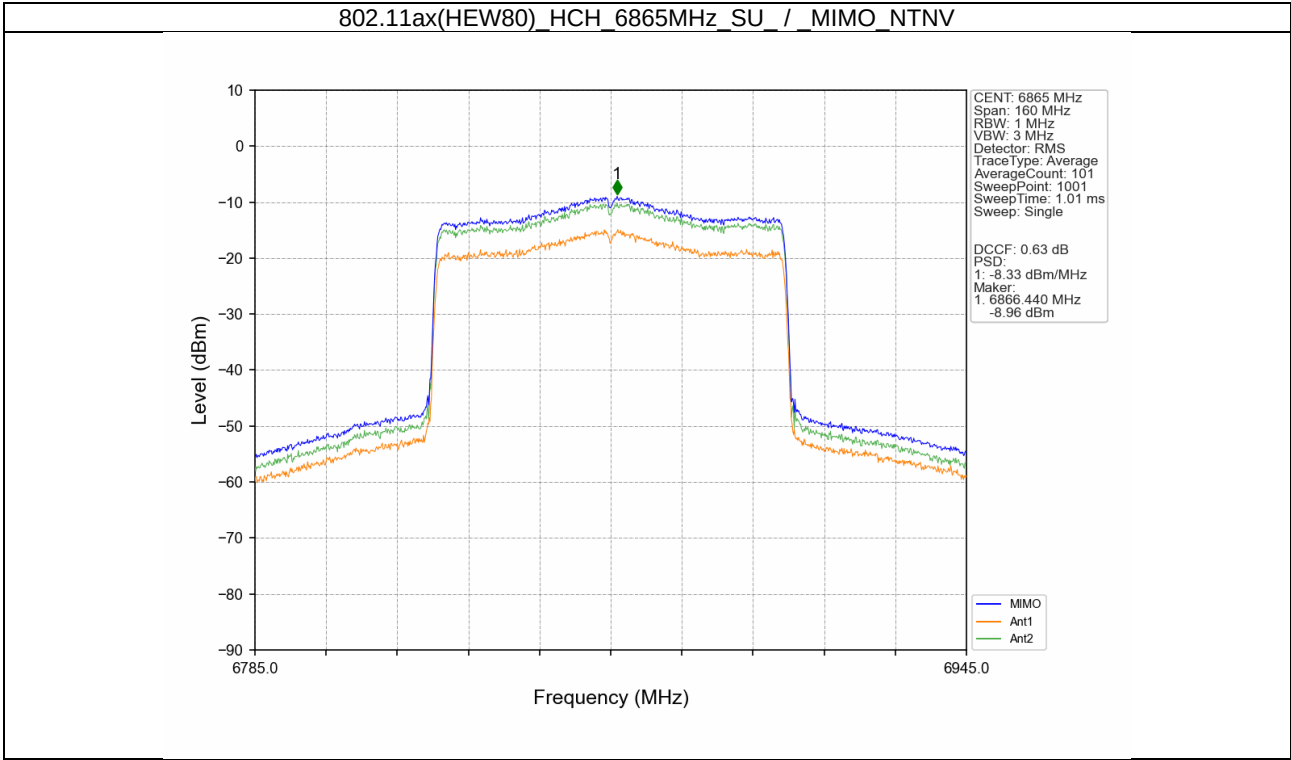
Report No.: SUCR250500040205
Rev.: 01
Page: 221 of 262





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

Report No.: SUCR250500040205
Rev.: 01
Page: 222 of 262

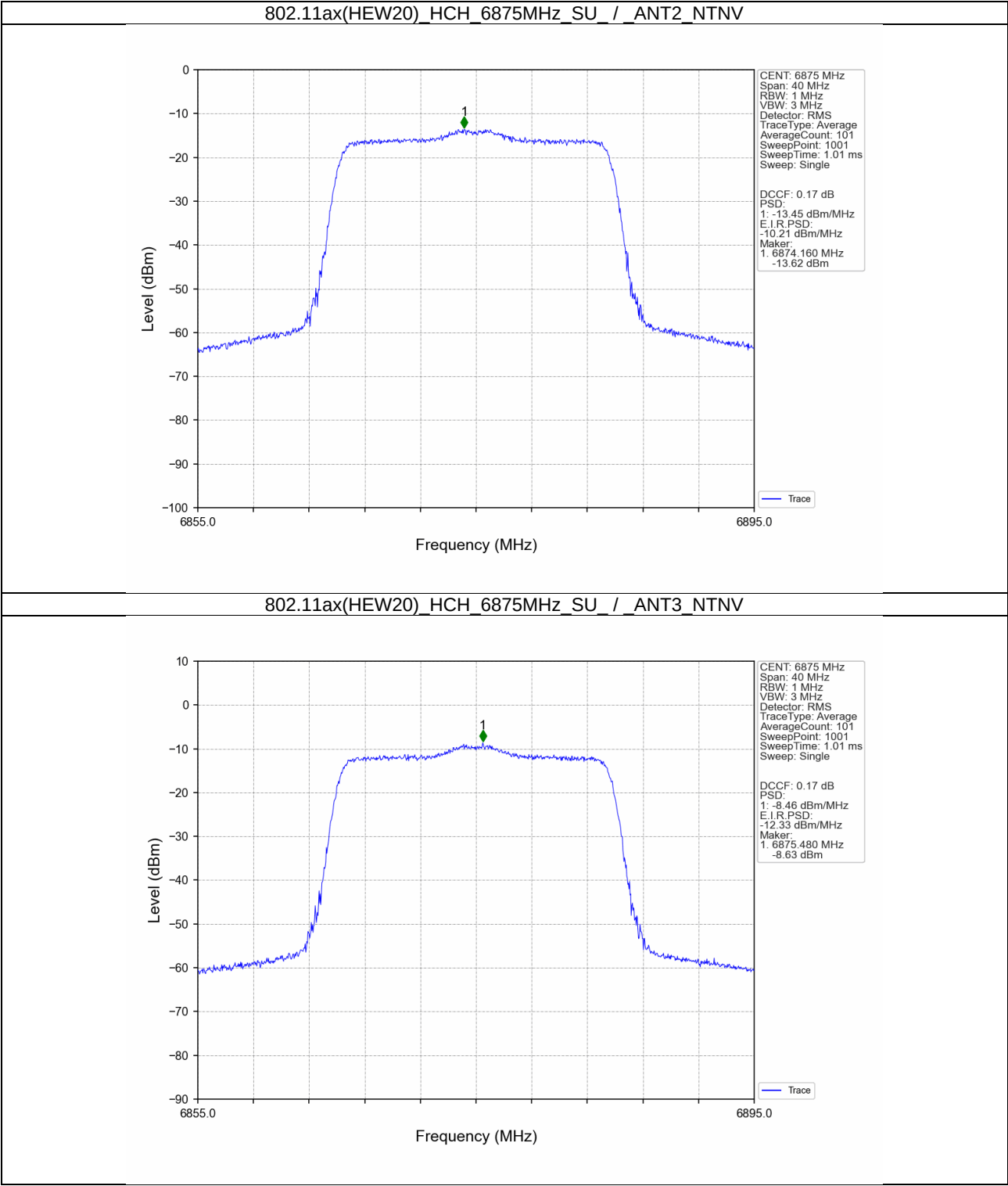




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500040205
Rev.: 01
Page: 223 of 262

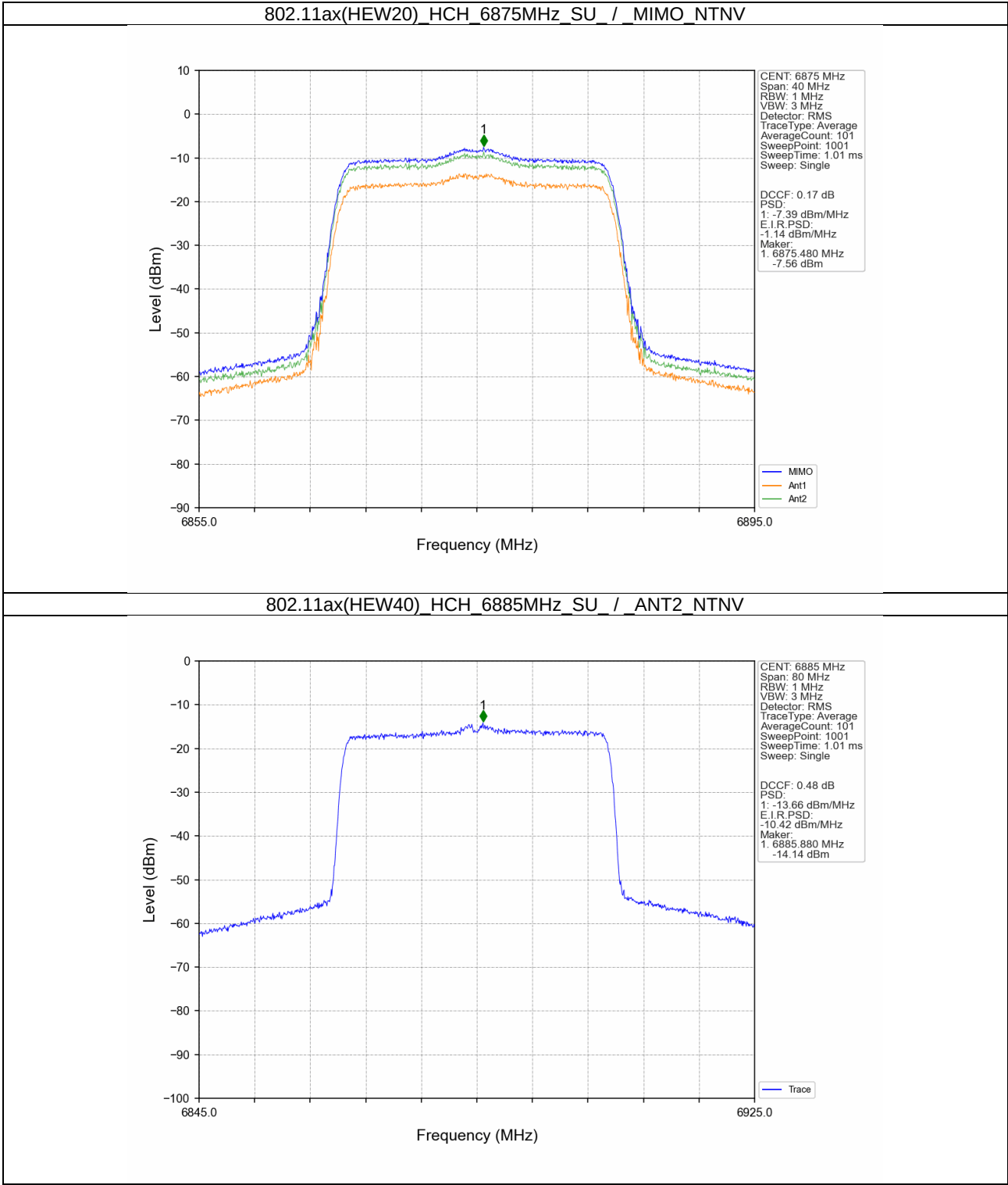
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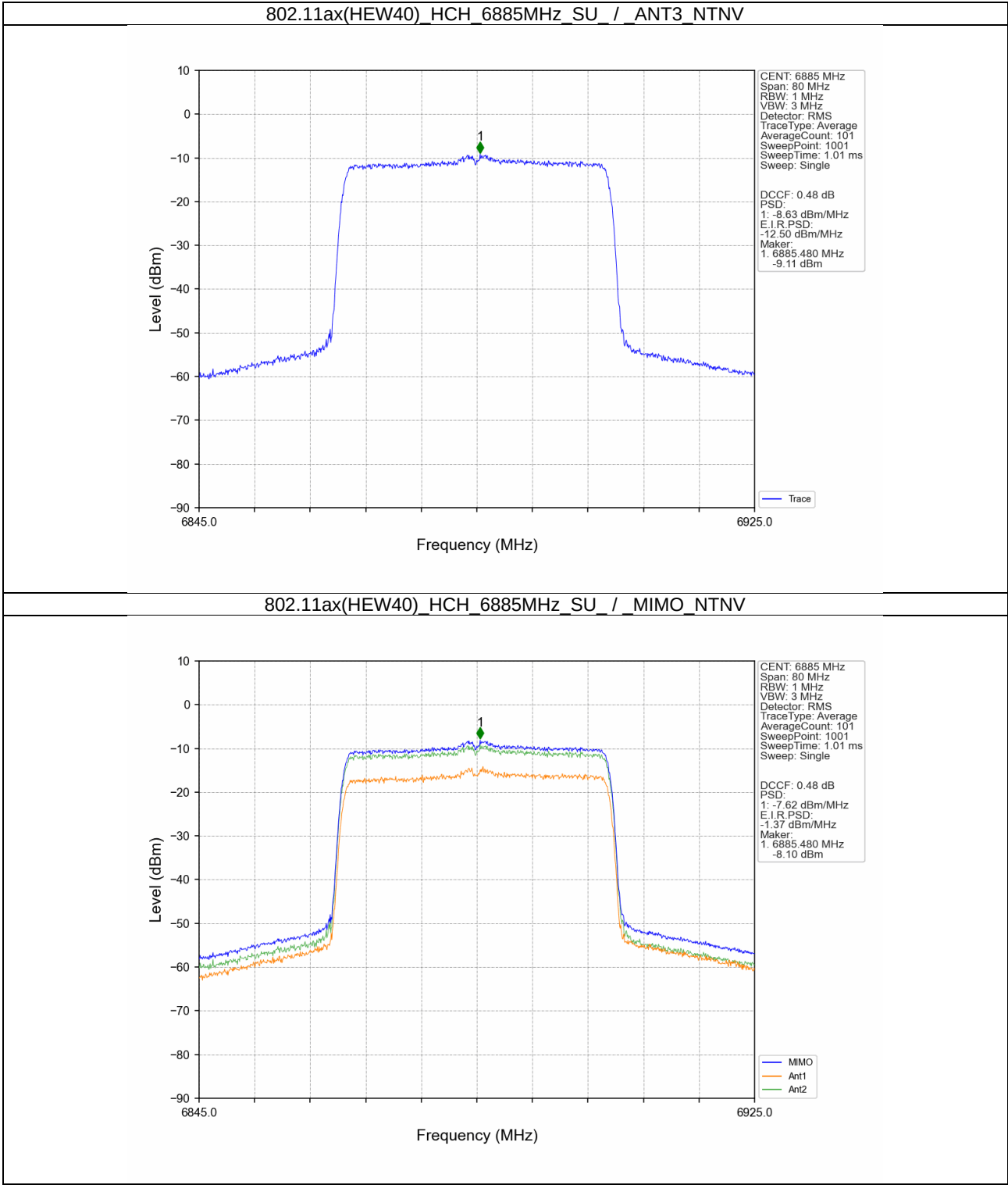
Report No.: SUCR250500040205
Rev.: 01
Page: 224 of 262





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

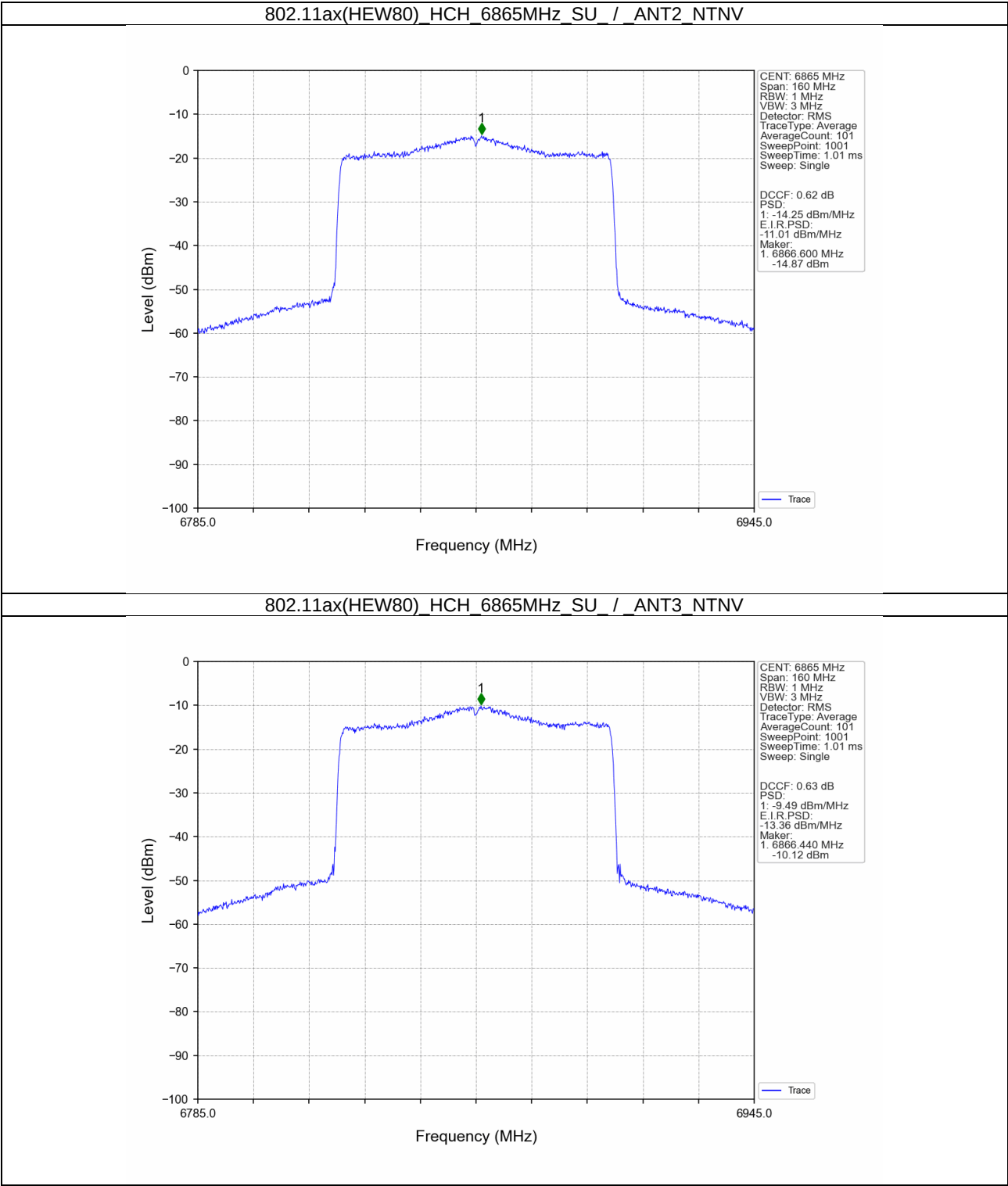
Report No.: SUCR250500040205
Rev.: 01
Page: 225 of 262





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

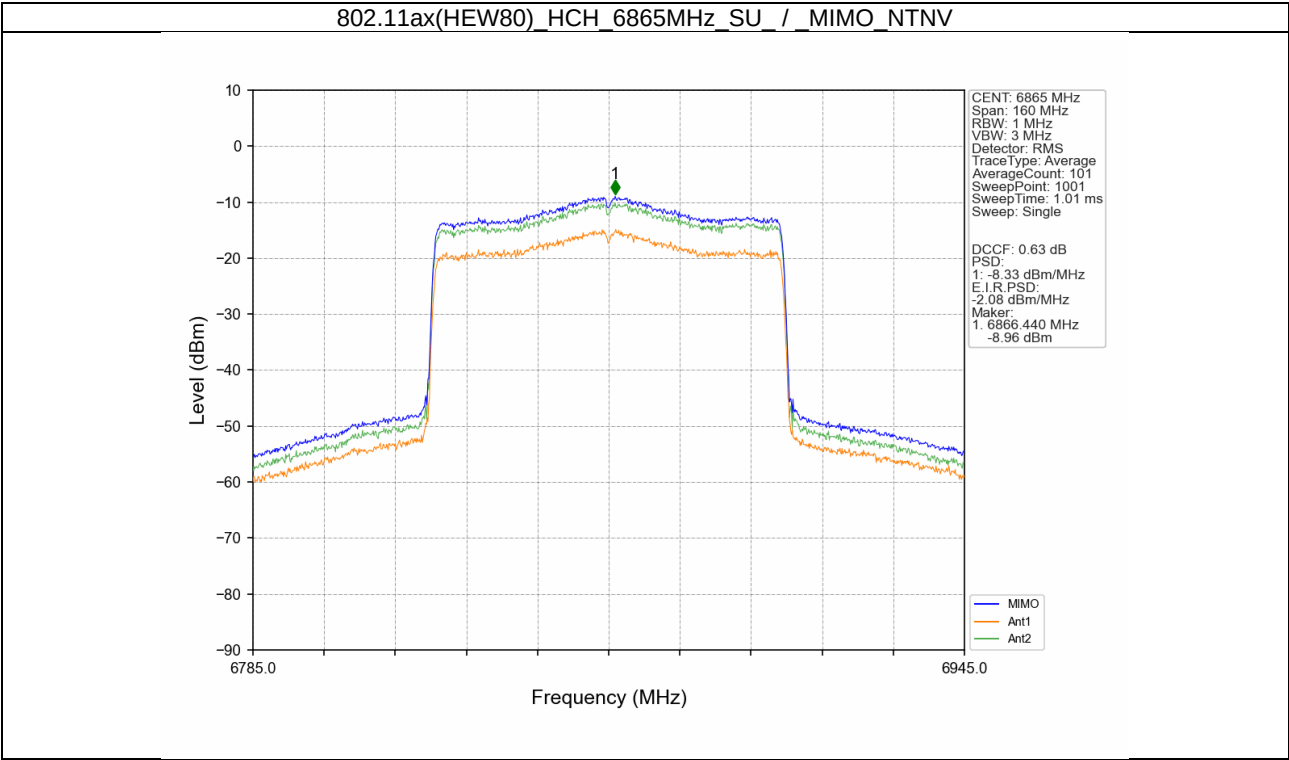
Report No.: SUCR250500040205
Rev.: 01
Page: 226 of 262





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

Report No.: SUCR250500040205
Rev.: 01
Page: 227 of 262

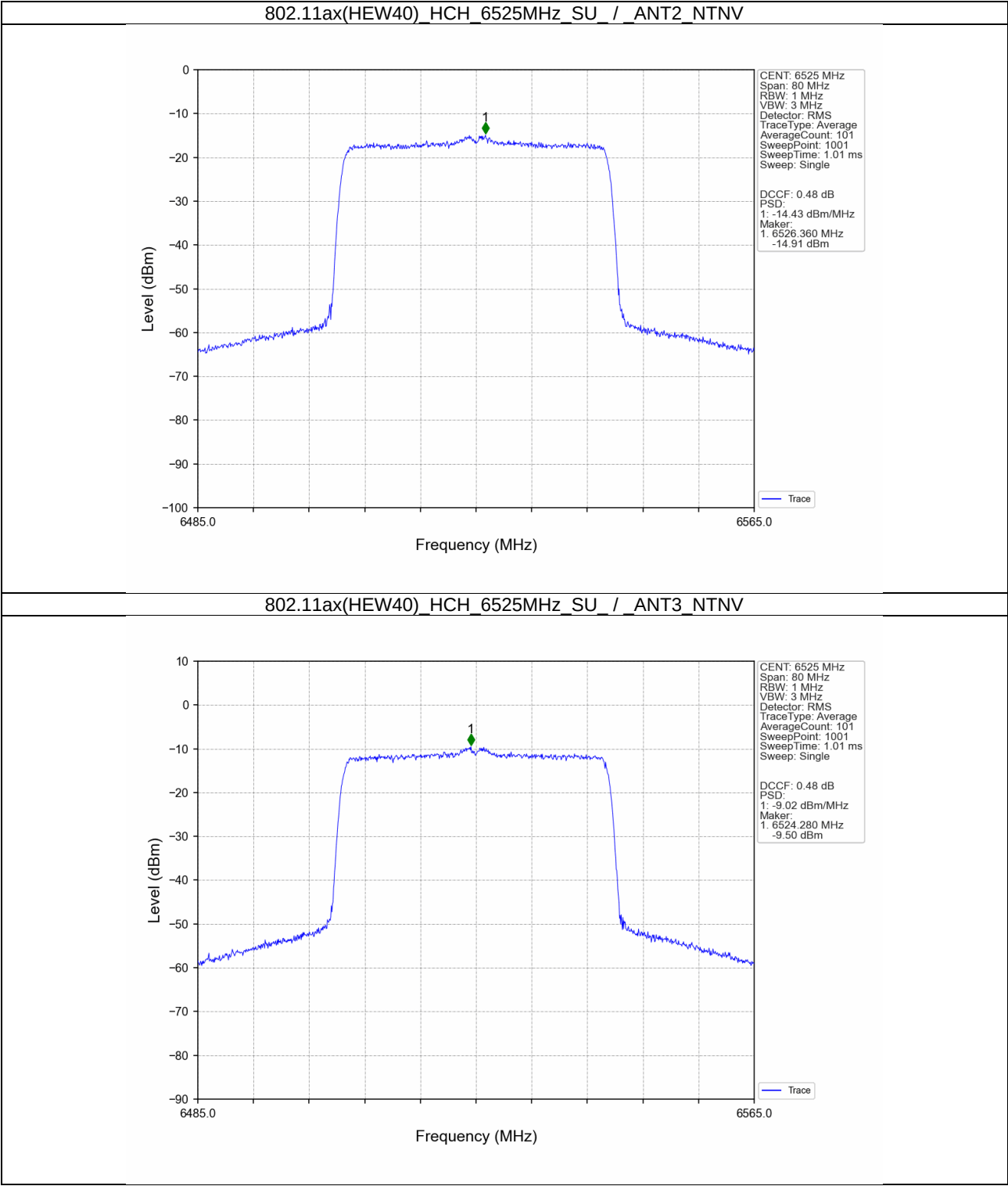




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500040205
Rev.: 01
Page: 228 of 262

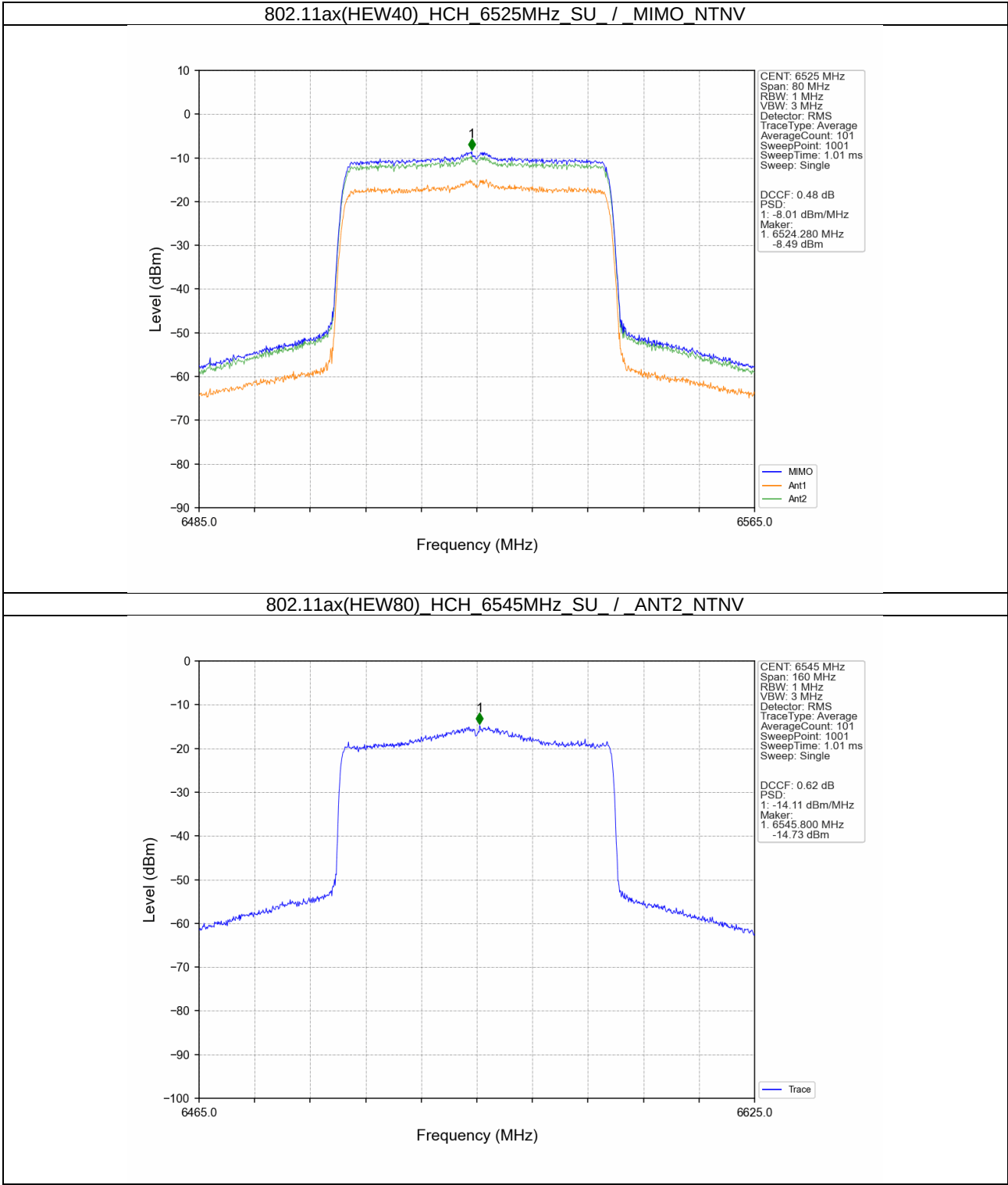
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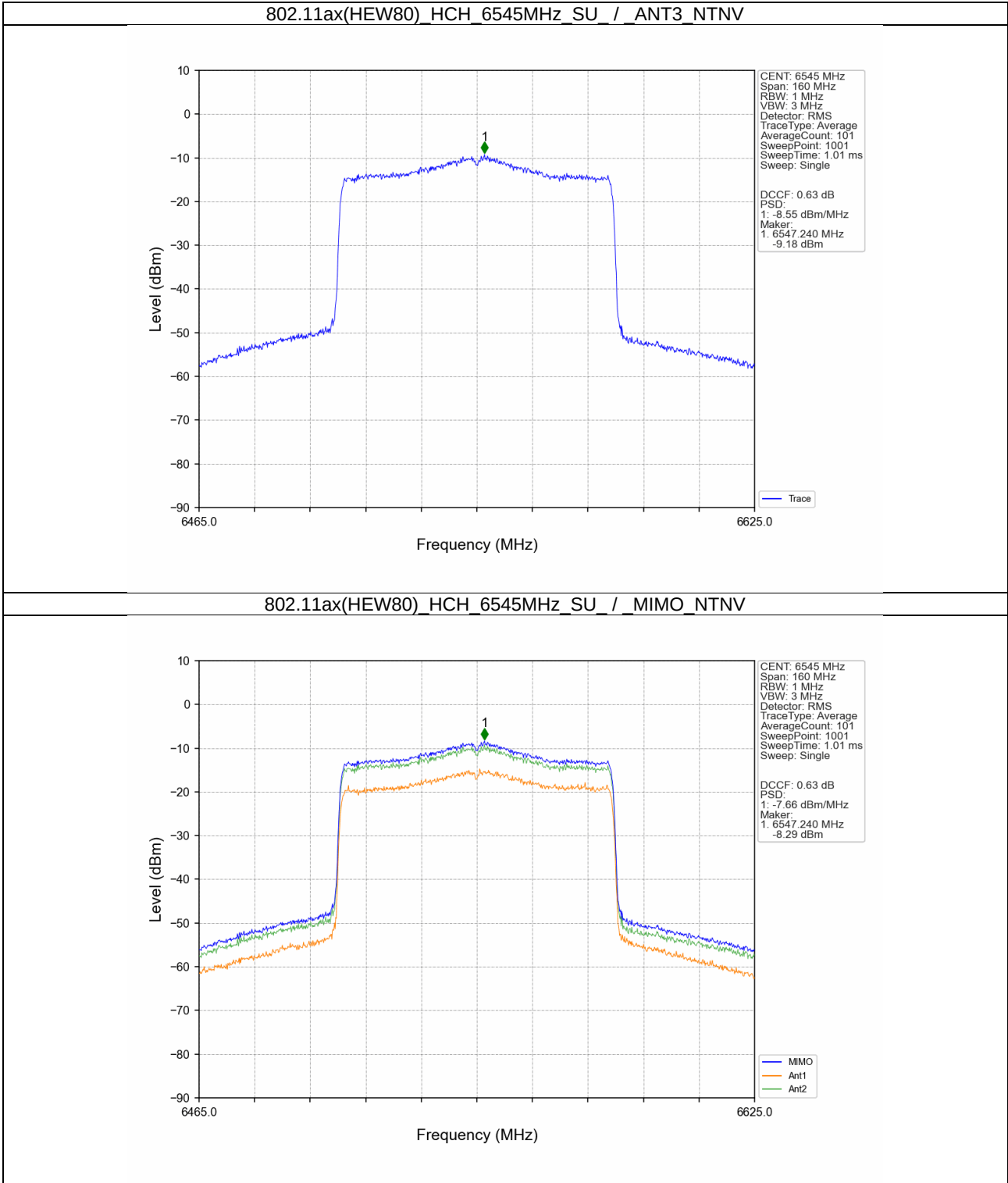
Report No.: SUCR250500040205
Rev.: 01
Page: 229 of 262





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

Report No.: SUCR250500040205
Rev.: 01
Page: 230 of 262

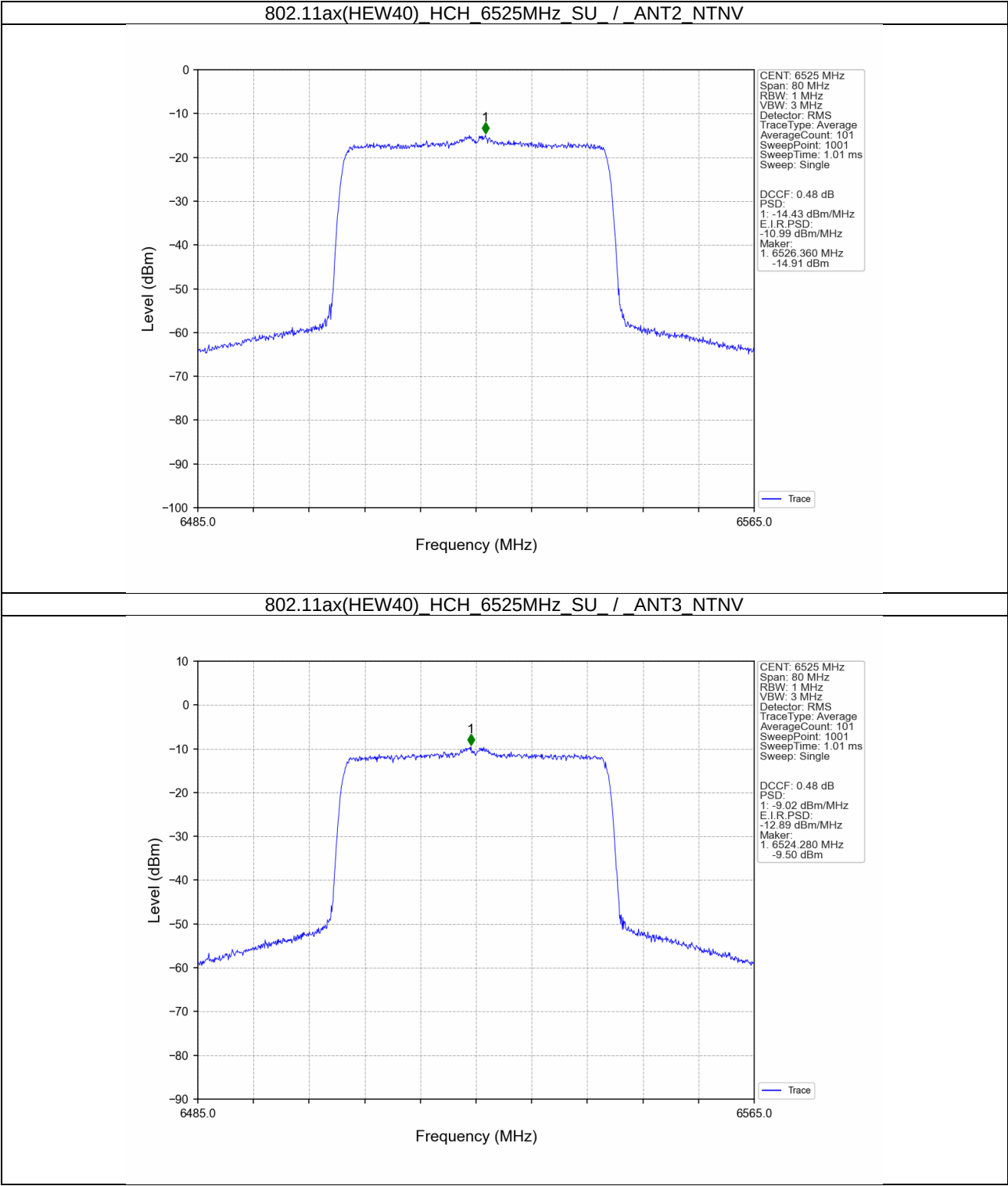




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500040205
Rev.: 01
Page: 231 of 262

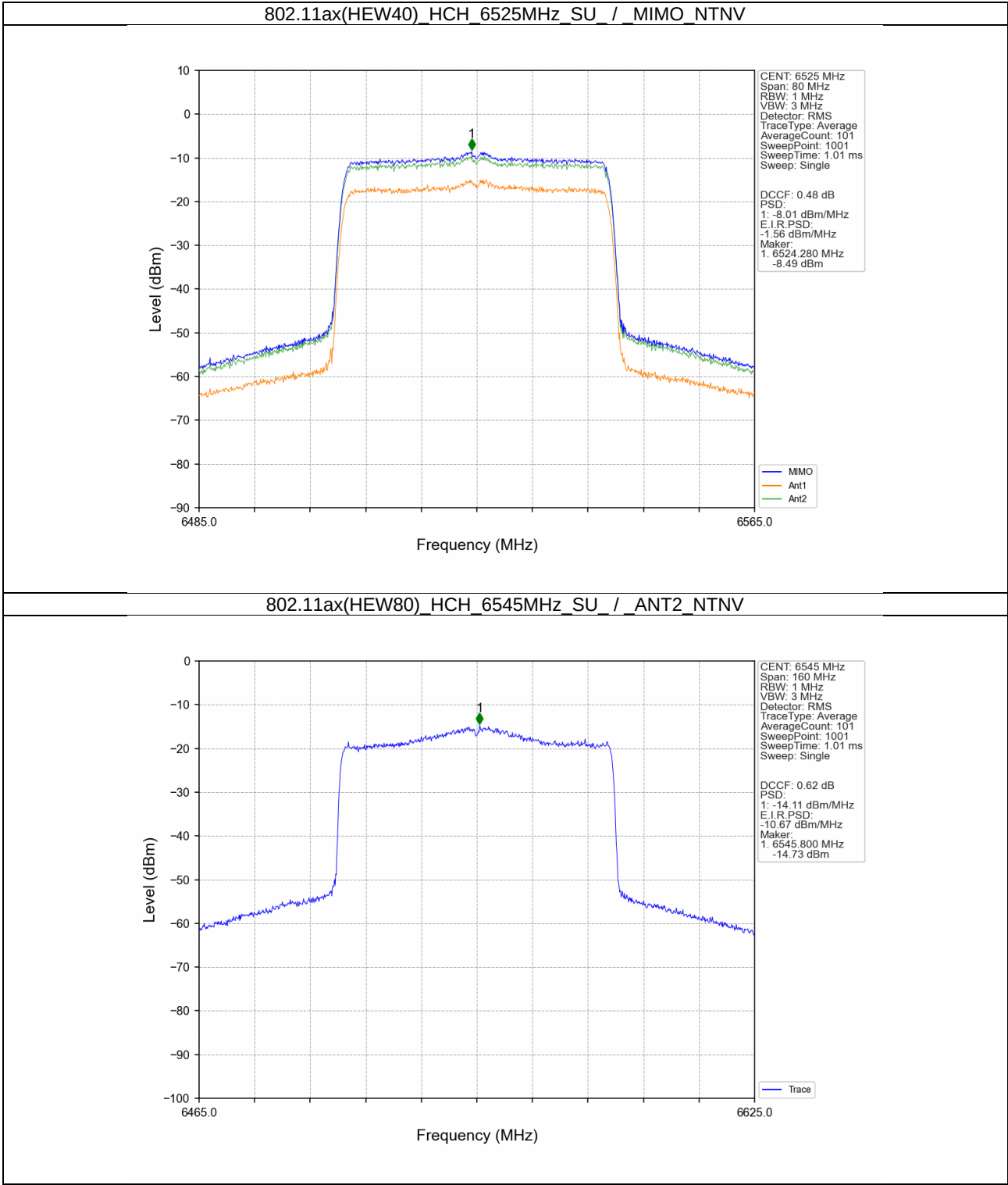
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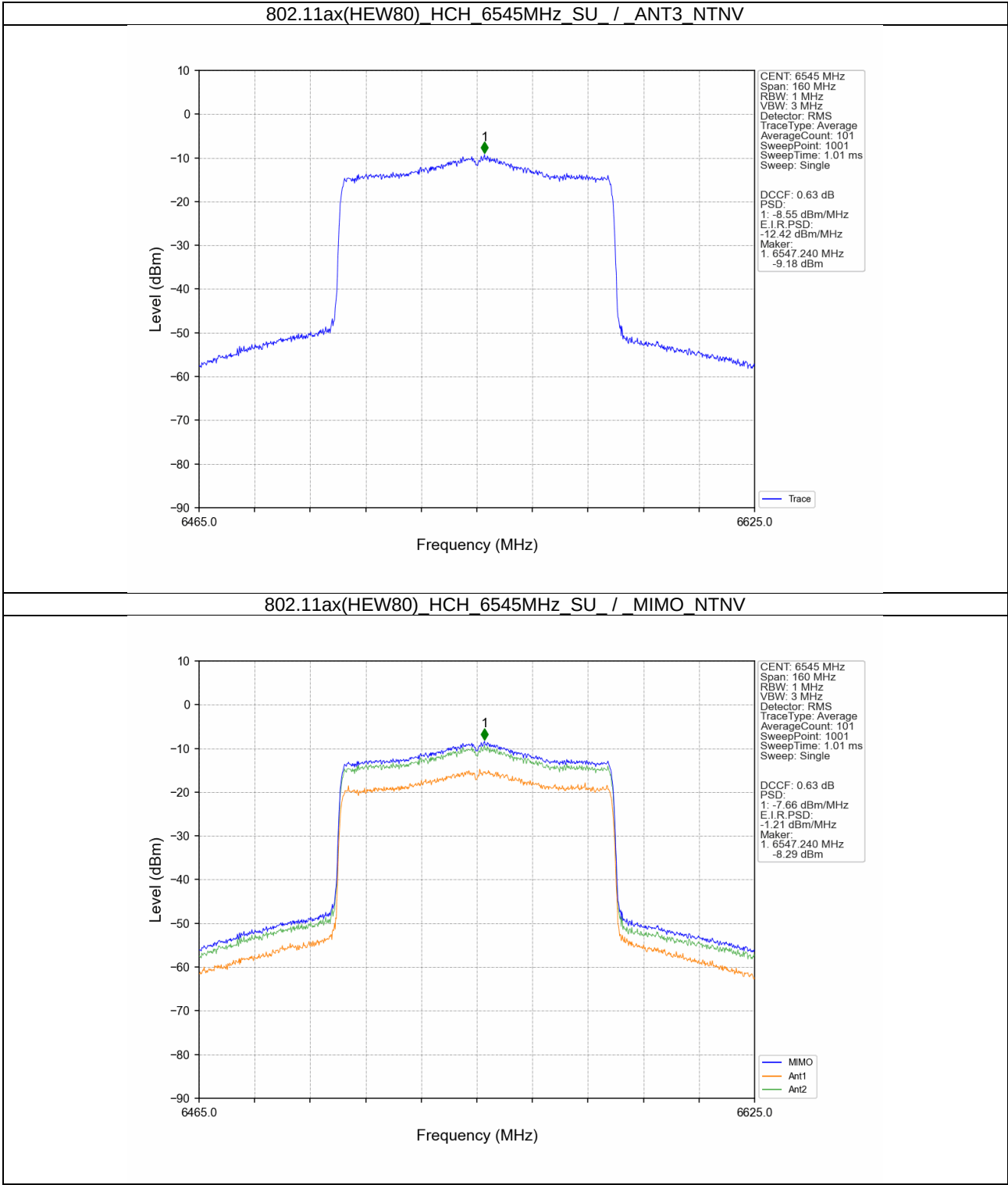
Report No.: SUCR250500040205
Rev.: 01
Page: 232 of 262





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

Report No.: SUCR250500040205
Rev.: 01
Page: 233 of 262





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

Report No.: SUCR250500040205

Rev.: 01

Page: 234 of 262

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	-77.05	100	-62	-73.68	-3.37	11.68
				Result: Stop Transmission					
				-77.82	<90	-62	-74.45	-3.37	12.45
				Result: Minimal Operation					
				-78.51	0	-62	-75.14	-3.37	13.14
	6145	80	6110	Result: Normal Operation					
				-75.24	100	-62	-71.87	-3.37	9.87
				Result: Stop Transmission					
				-76.05	<90	-62	-72.68	-3.37	10.68
				Result: Minimal Operation					
			6145	-76.82	0	-62	-73.45	-3.37	11.45
				Result: Normal Operation					
				-76.16	100	-62	-72.79	-3.37	10.79
				Result: Stop Transmission					
				-76.93	<90	-62	-73.56	-3.37	11.56
				Result: Minimal Operation					
			6180	-77.72	0	-62	-74.35	-3.37	12.35
				Result: Normal Operation					
				-76.26	100	-62	-72.89	-3.37	10.89
				Result: Stop Transmission					
				-77.1	<90	-62	-73.73	-3.37	11.73
				Result: Minimal Operation					
				-77.84	0	-62	-74.47	-3.37	12.47
				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.: SUCR250500040205

Rev.: 01

Page: 235 of 262

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	-76.37	100	-62	-72.5	-3.87	10.5
					Result: Stop Transmission				
				-77.18	<90	-62	-73.31	-3.87	11.31
					Result: Minimal Operation				
				-77.92	0	-62	-74.05	-3.87	12.05
	6465	80	6430		Result: Normal Operation				
				-76.83	100	-62	-72.96	-3.87	10.96
					Result: Stop Transmission				
				-77.56	<90	-62	-73.69	-3.87	11.69
					Result: Minimal Operation				
			6465	-78.94	0	-62	-75.07	-3.87	13.07
					Result: Normal Operation				
				-75.52	100	-62	-71.65	-3.87	9.65
					Result: Stop Transmission				
				-77.04	<90	-62	-73.17	-3.87	11.17
					Result: Minimal Operation				
			6500	-78.62	0	-62	-74.75	-3.87	12.75
					Result: Normal Operation				
				-75.57	100	-62	-71.7	-3.87	9.7
					Result: Stop Transmission				
				-77.21	<90	-62	-73.34	-3.87	11.34
					Result: Minimal Operation				
				-78.67	0	-62	-74.8	-3.87	12.8
					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.: SUCR250500040205

Rev.: 01

Page: 236 of 262

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	-76.82	100	-62	-72.95	-3.87	10.95
						Result: Stop Transmission			
				-77.56	<90	-62	-73.69	-3.87	11.69
						Result: Minimal Operation			
				-78.3	0	-62	-74.43	-3.87	12.43
	6705	80	6670			Result: Normal Operation			
				-73.5	100	-62	-69.63	-3.87	7.63
						Result: Stop Transmission			
				-75.23	<90	-62	-71.36	-3.87	9.36
						Result: Minimal Operation			
			6705	-77.69	0	-62	-73.82	-3.87	11.82
						Result: Normal Operation			
				-75.19	100	-62	-71.32	-3.87	9.32
						Result: Stop Transmission			
				-76.05	<90	-62	-72.18	-3.87	10.18
						Result: Minimal Operation			
				-77.68	0	-62	-73.81	-3.87	11.81
						Result: Normal Operation			
			6740	-75.46	100	-62	-71.59	-3.87	9.59
						Result: Stop Transmission			
				-76.26	<90	-62	-72.39	-3.87	10.39
						Result: Minimal Operation			
				-77.8	0	-62	-73.93	-3.87	11.93
						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.: SUCR250500040205

Rev.: 01

Page: 237 of 262

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	-76.79	100	-62	-71.25	-5.54	9.25
				Result: Stop Transmission					
				-77.55	<90	-62	-72.01	-5.54	10.01
				Result: Minimal Operation					
				-78.28	0	-62	-72.74	-5.54	10.74
	7025	80	6990	Result: Normal Operation					
				-74.34	100	-62	-68.8	-5.54	6.8
				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					
				-73.79	100	-62	-68.25	-5.54	6.25
				Result: Stop Transmission					
				-74.66	<90	-62	-69.12	-5.54	7.12
				Result: Minimal Operation					
			7060	-76.35	0	-62	-70.81	-5.54	8.81
				Result: Normal Operation					
				-74.28	100	-62	-68.74	-5.54	6.74
				Result: Stop Transmission					
				-75.26	<90	-62	-69.72	-5.54	7.72
				Result: Minimal Operation					
				-77.6	0	-62	-72.06	-5.54	10.06
				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.: SUCR250500040205
Rev.: 01
Page: 238 of 262

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



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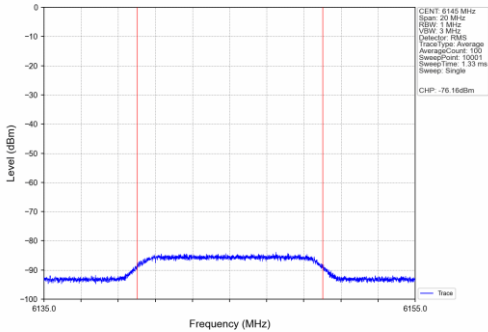
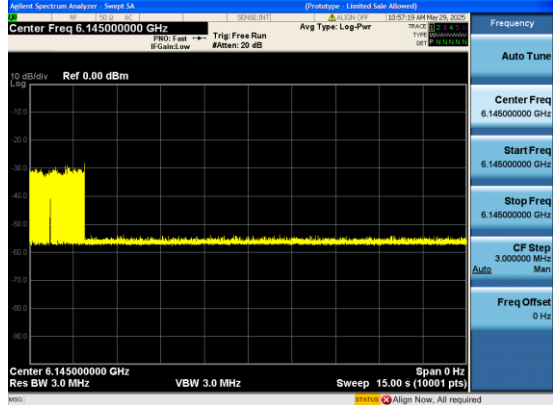
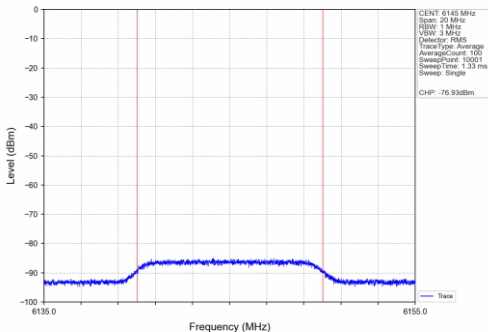
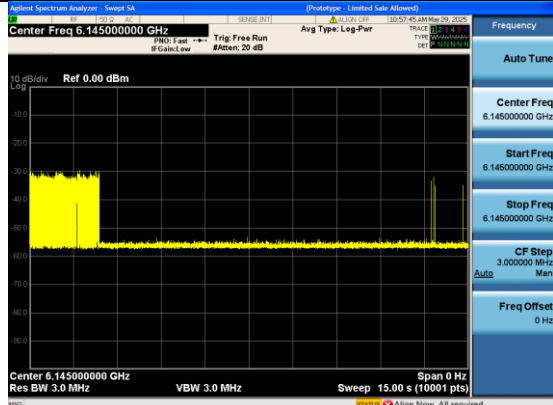
Report No.: SUCR250500040205
Rev.: 01
Page: 239 of 262

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.: SUCR250500040205
Rev.: 01
Page: 240 of 262

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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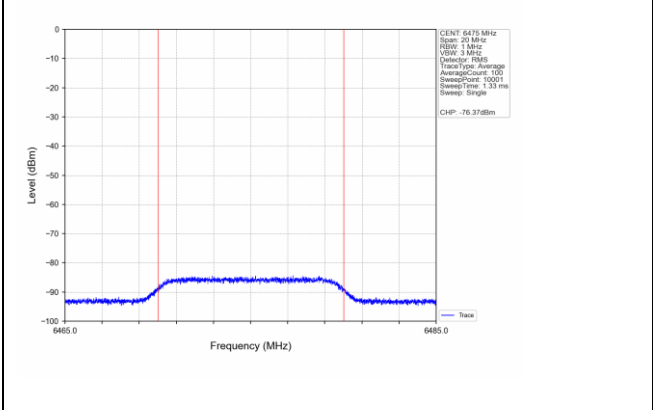
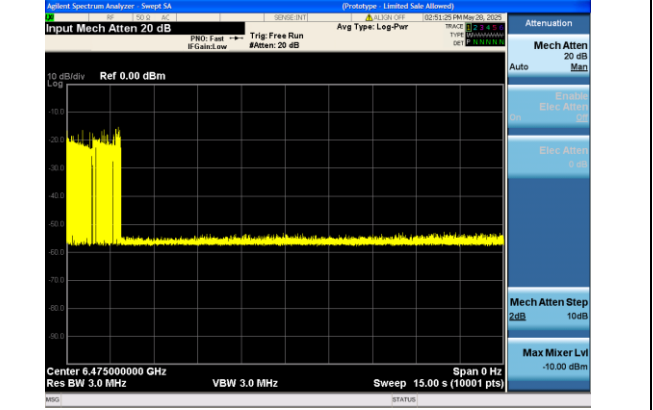
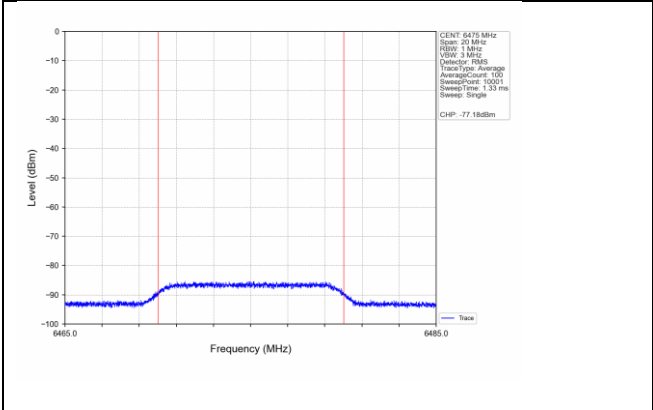
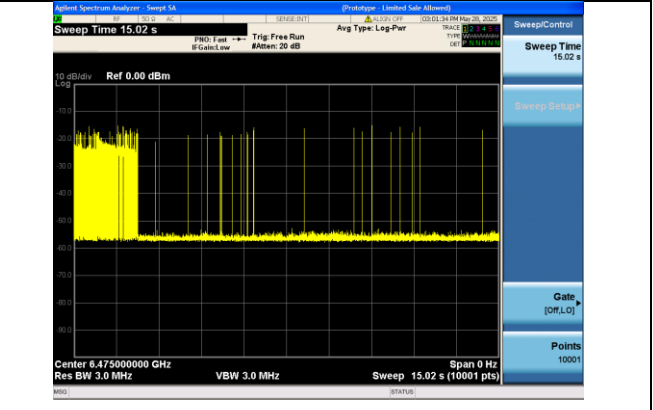
Report No.: SUCR250500040205
Rev.: 01
Page: 241 of 262

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.: SUCR250500040205
Rev.: 01
Page: 242 of 262

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
	



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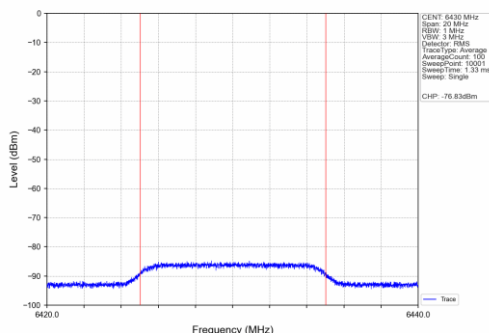
Report No.: SUCR250500040205

Rev.: 01

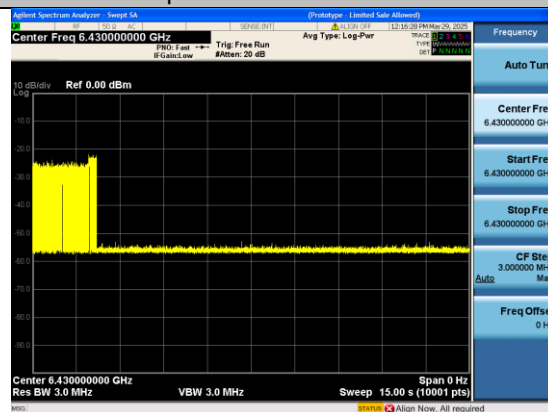
Page: 243 of 262

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

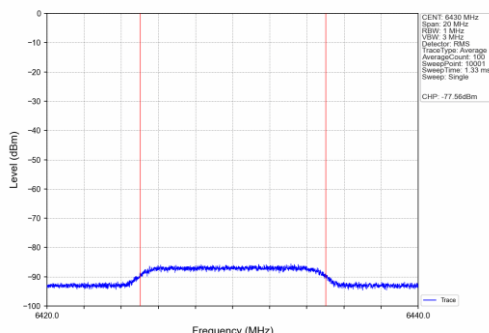
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Threshold Level (TL)



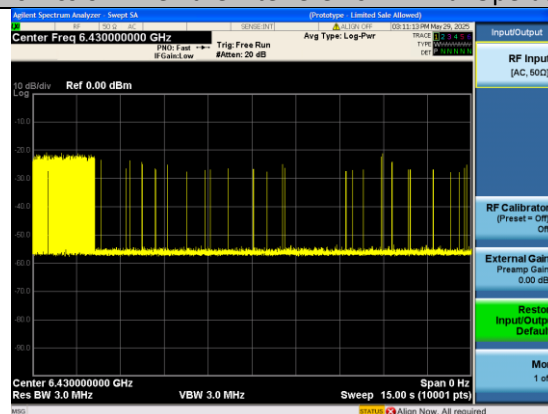
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Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6430MHz
Threshold Level (TL)



802.11 ax (HE80) /6430MHz
Transmission when the interferer is Minimal Operation





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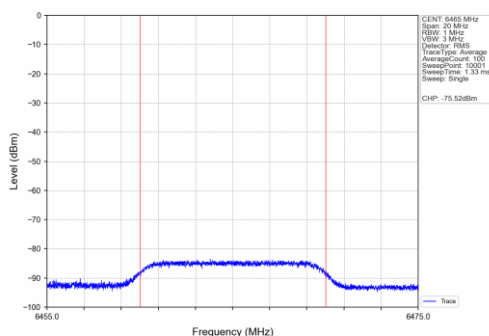
Report No.: SUCR250500040205

Rev.: 01

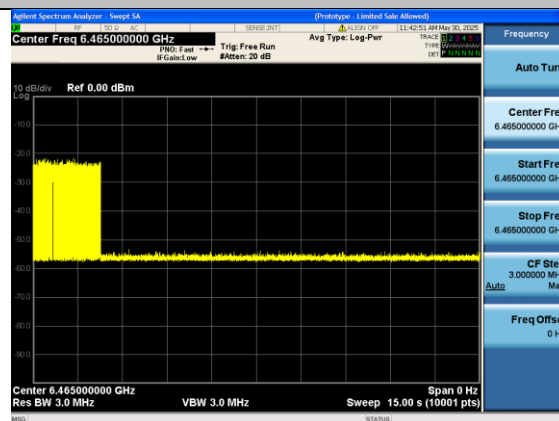
Page: 244 of 262

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

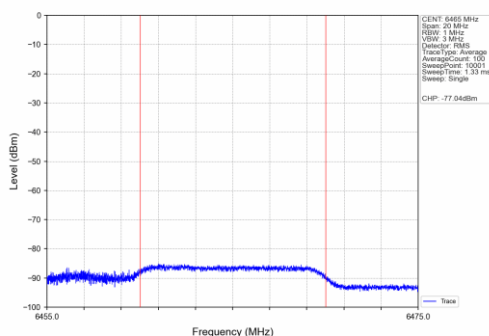
802.11 ax (HE80) /6465MHz
Threshold Level (TL)



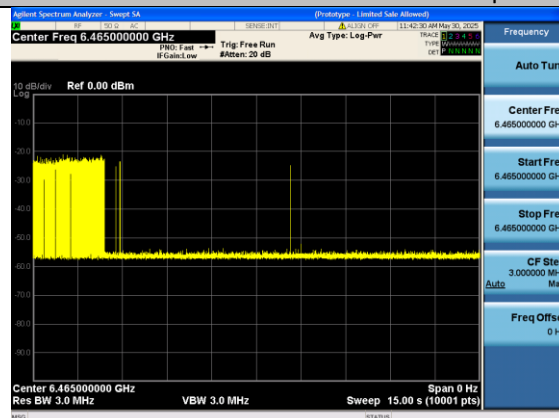
802.11 ax (HE80) /6465MHz
Test Result is pass due to no transmission occur.



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



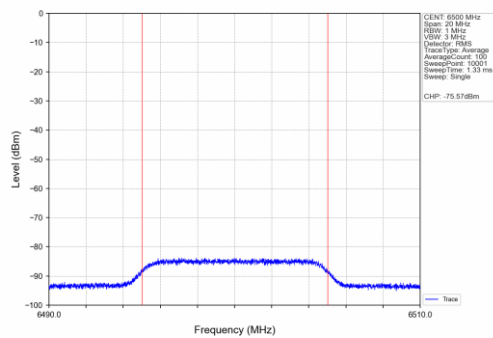
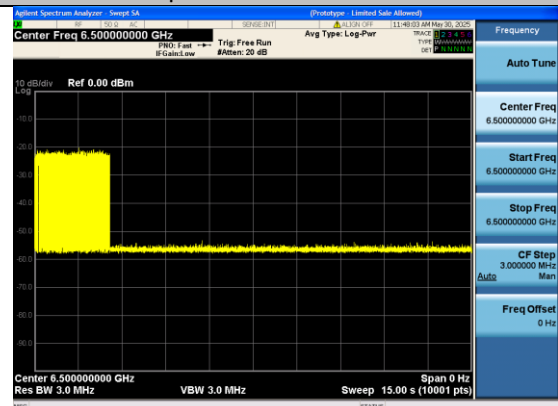
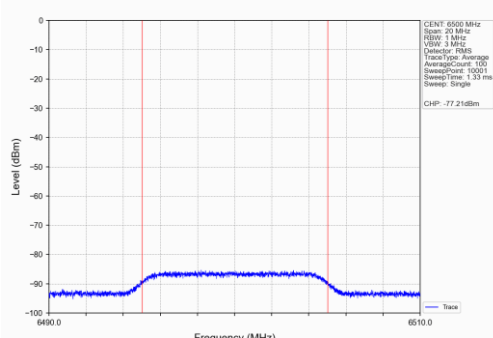
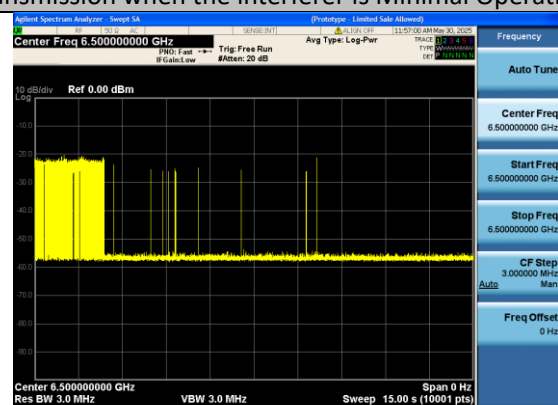
802.11 ax (HE80) /6465MHz
Transmission when the interferer is Minimal Operation





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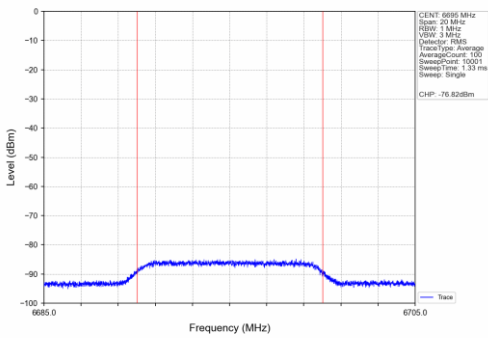
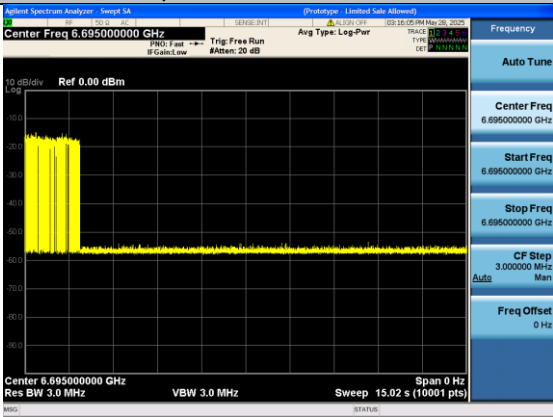
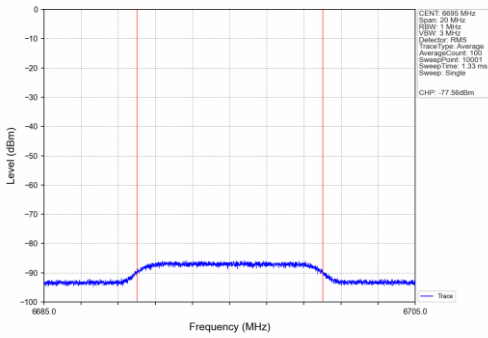
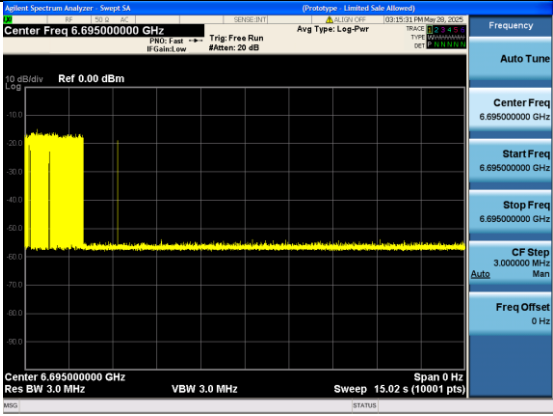
Report No.: SUCR250500040205
Rev.: 01
Page: 245 of 262

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
	



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

Report No.: SUCR250500040205
Rev.: 01
Page: 246 of 262

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.: SUCR250500040205
Rev.: 01
Page: 247 of 262

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.: SUCR250500040205
Rev.: 01
Page: 248 of 262

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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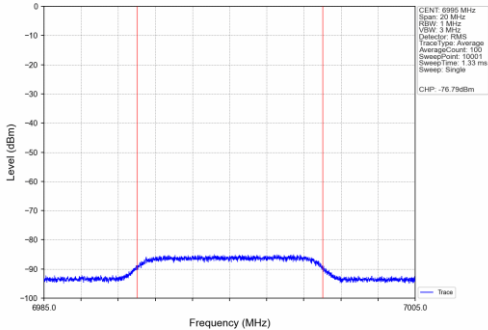
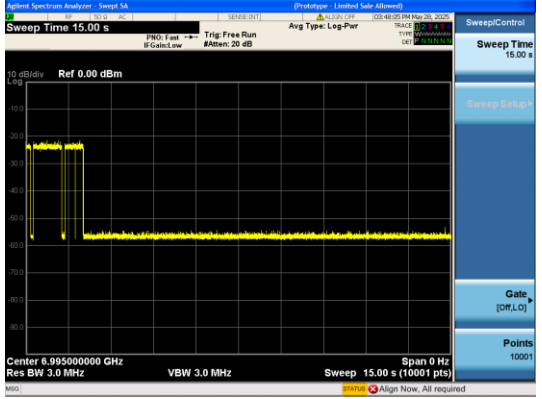
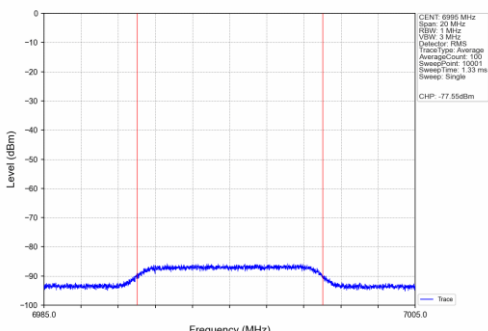
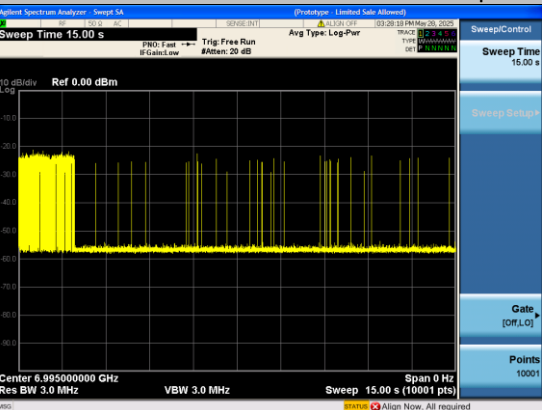
Report No.: SUCR250500040205
Rev.: 01
Page: 249 of 262

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



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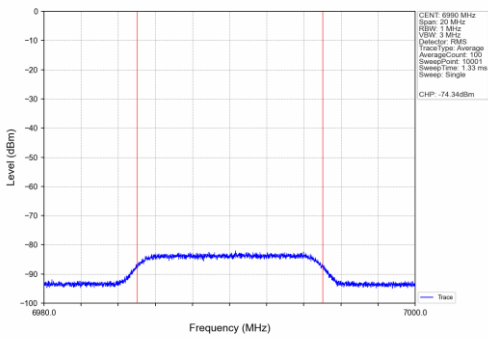
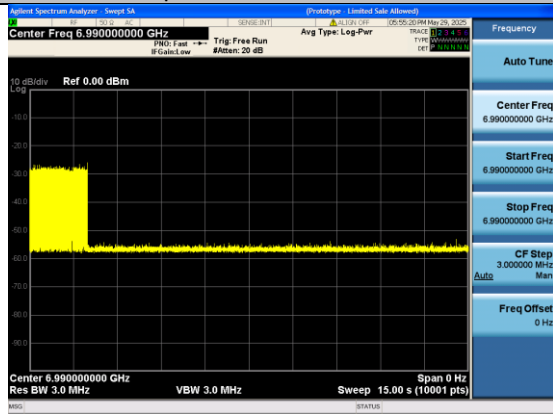
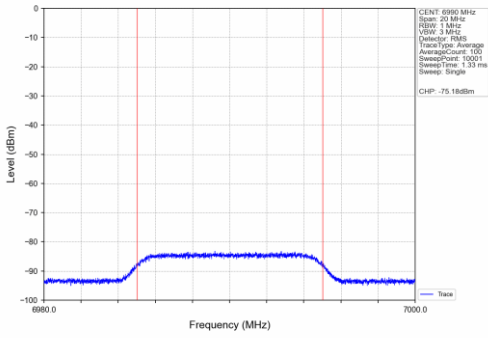
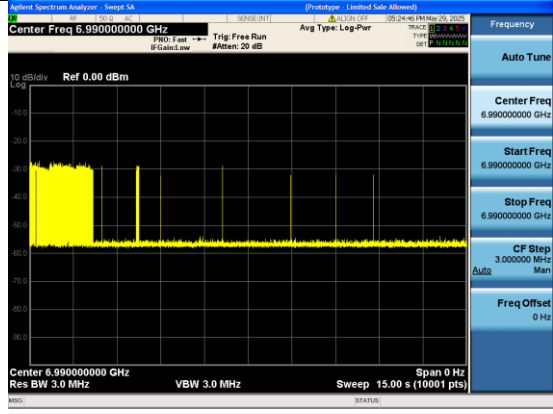
Report No.: SUCR250500040205
Rev.: 01
Page: 250 of 262

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
	



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

Report No.: SUCR250500040205
Rev.: 01
Page: 251 of 262

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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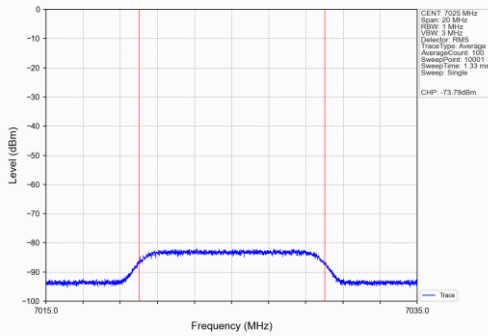
Report No.: SUCR250500040205

Rev.: 01

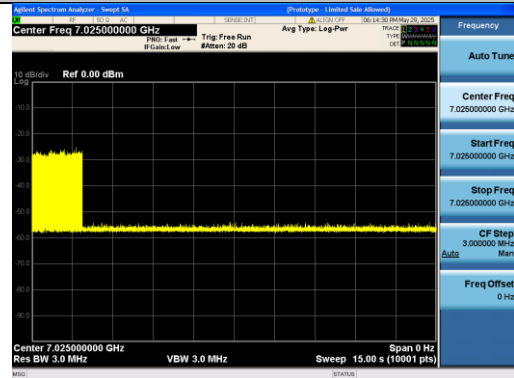
Page: 252 of 262

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

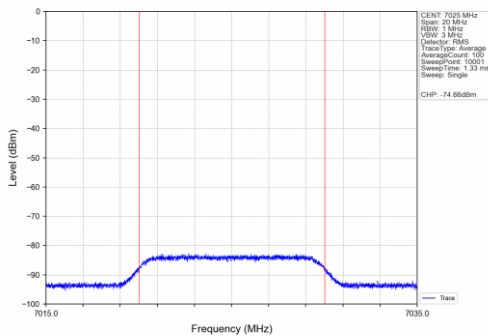
802.11 ax (HE80) /7025MHz
Threshold Level (TL)



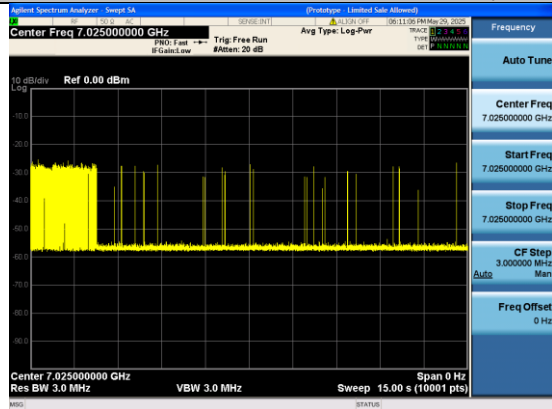
802.11 ax (HE80) /7025MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /7025MHz
Threshold Level (TL)



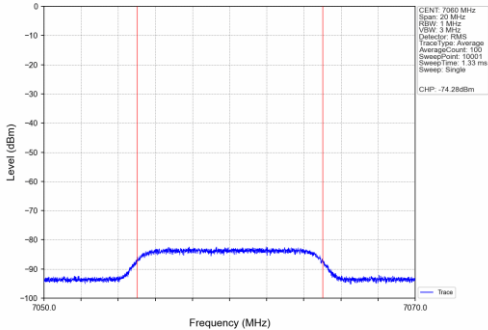
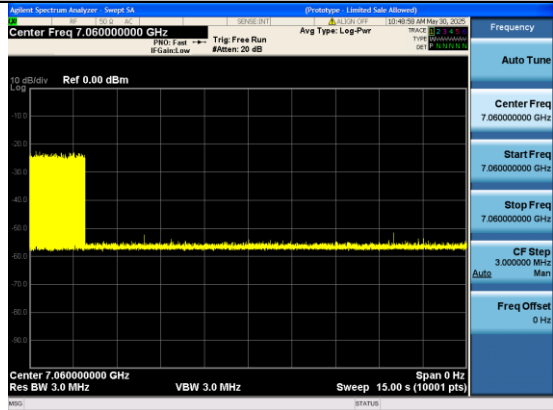
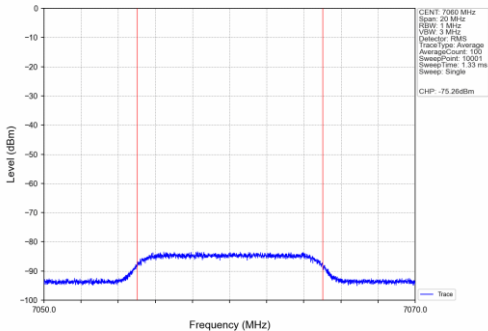
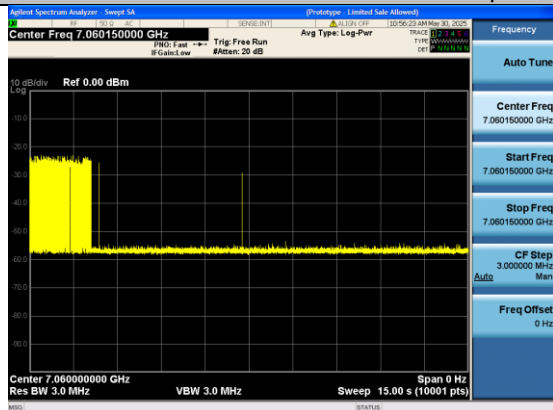
802.11 ax (HE80) /7025MHz
Transmission when the interferer is Minimal Operation

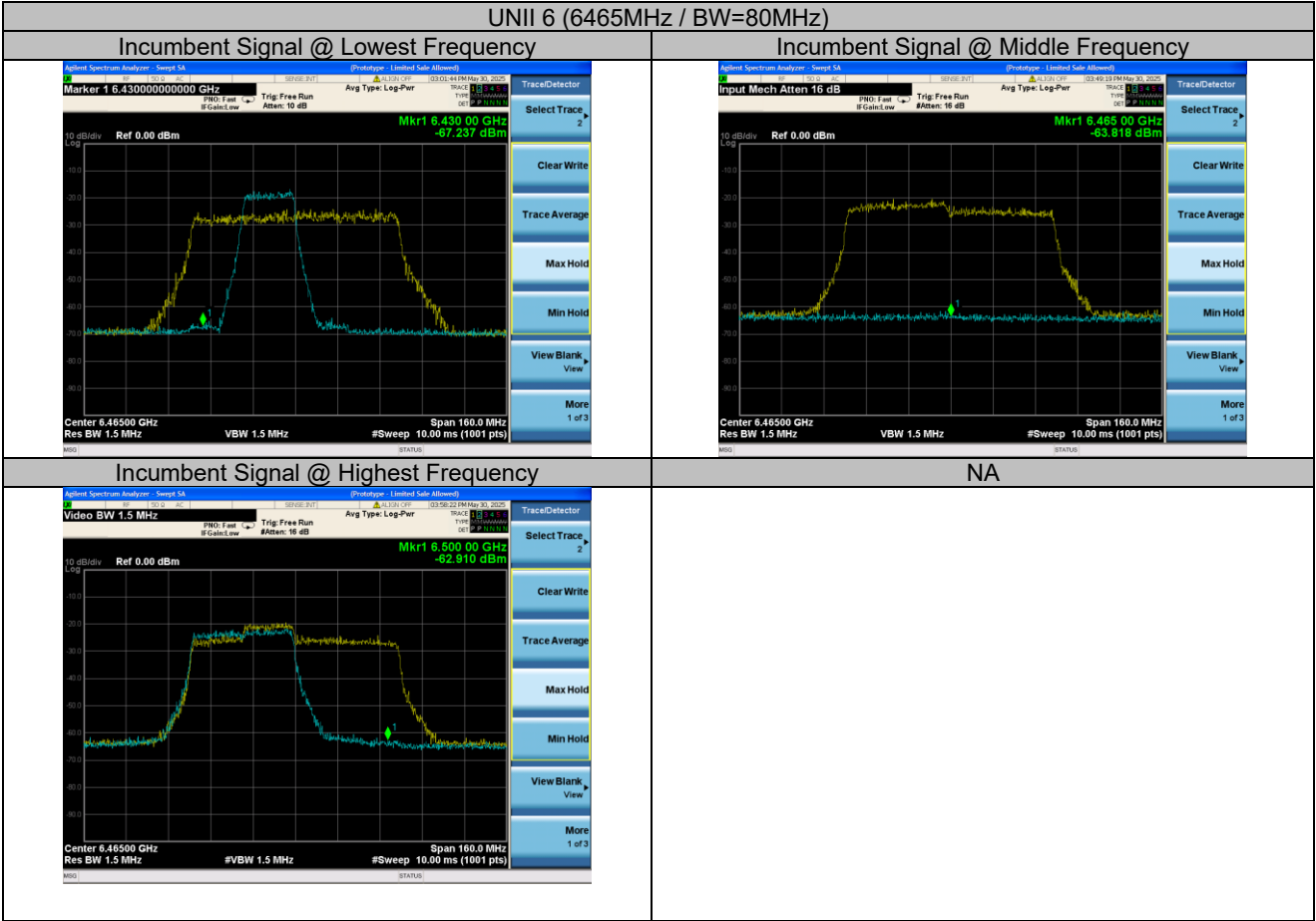




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500040205
Rev.: 01
Page: 253 of 262

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
	



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.: SUCR250500040205

Rev.: 01

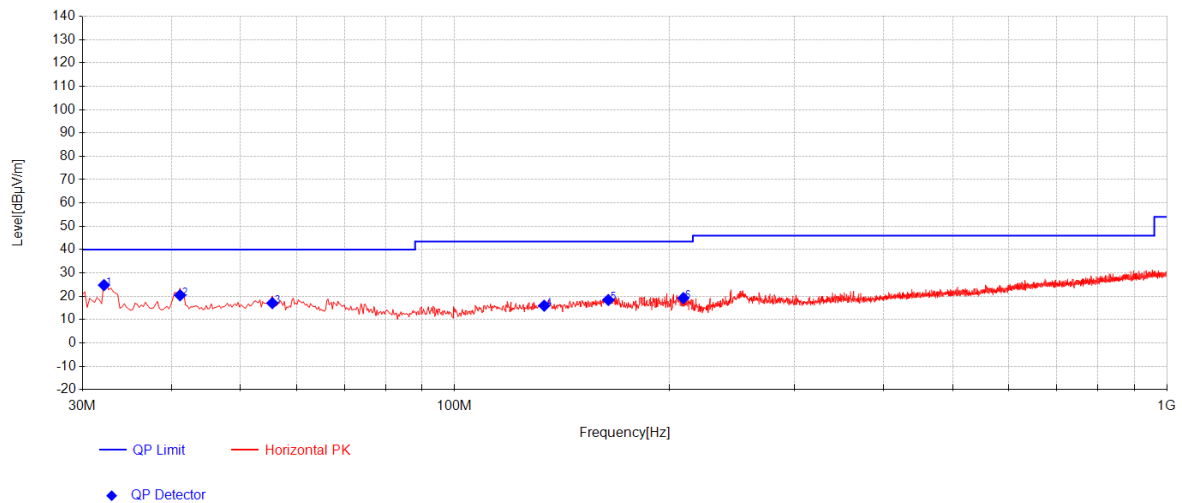
Page: 255 of 262

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	32.1825	40.69	18.10	-33.99	24.80	40.00	15.20	163	252	Horizontal
2	41.155	35.50	18.78	-33.84	20.44	40.00	19.56	198	19	Horizontal
3	55.4625	32.51	18.20	-33.62	17.09	40.00	22.91	224	19	Horizontal
4	133.5475	30.58	18.20	-32.81	15.97	43.50	27.53	183	283	Horizontal
5	164.345	32.09	18.83	-32.50	18.43	43.50	25.07	162	113	Horizontal
6	209.45	36.04	15.38	-32.17	19.24	43.50	24.26	155	268	Horizontal

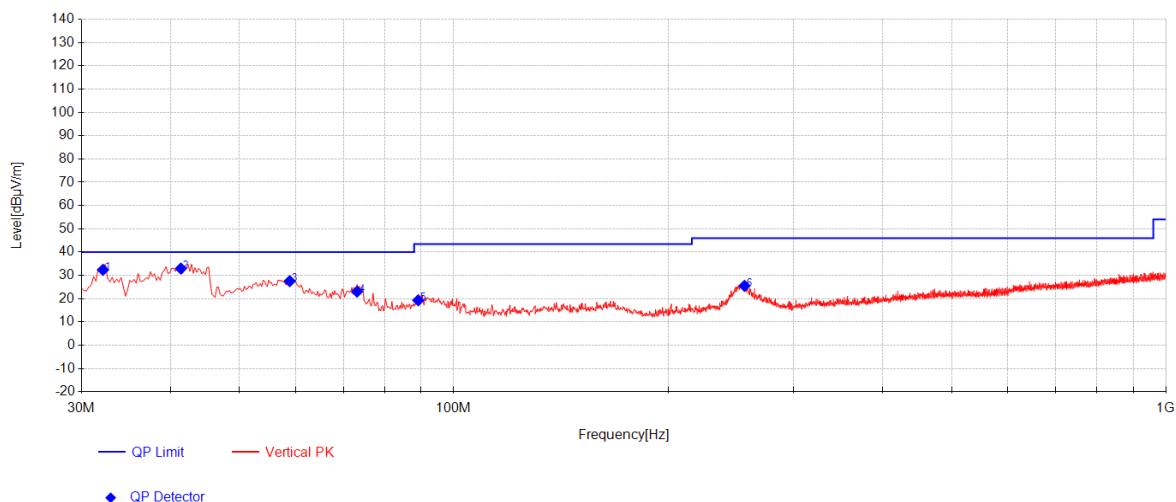


SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500040205

Rev.: 01

Page: 256 of 262



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	32.1825	48.28	18.10	-33.99	32.39	40.00	7.61	223	76	Vertical
2	41.3975	48.04	18.76	-33.84	32.96	40.00	7.04	187	333	Vertical
3	58.8575	43.51	17.61	-33.57	27.55	40.00	12.45	251	270	Vertical
4	73.165	40.55	15.88	-33.39	23.04	40.00	16.96	169	200	Vertical
5	89.17	38.07	14.53	-33.27	19.34	43.50	24.16	191	0	Vertical
6	256.01	40.33	17.10	-31.92	25.51	46.00	20.49	164	1	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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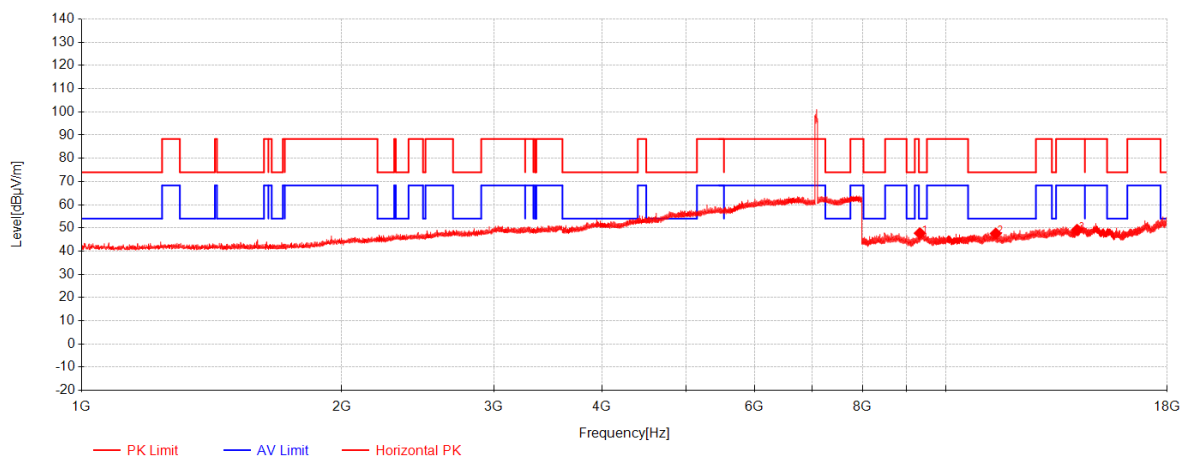
Report No.: SUCR250500040205

Rev.: 01

Page: 257 of 262

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	9323	43.29	37.70	-33.26	47.73	74.00	26.27	Horizontal
2	11412.333	39.06	38.40	-29.86	47.60	74.00	26.40	Horizontal
3	14170	38.03	40.27	-29.11	49.18	88.30	39.12	Horizontal



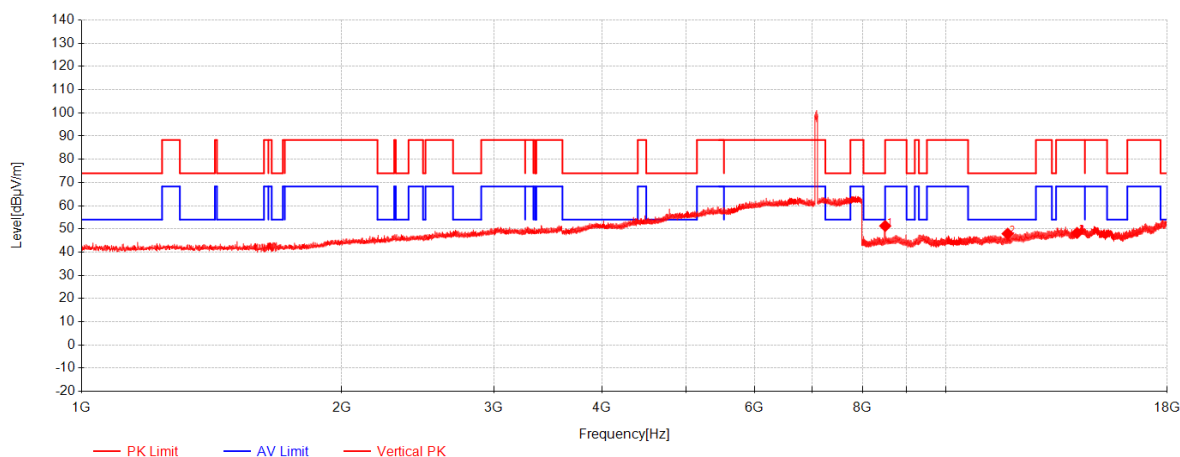
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500040205

Rev.: 01

Page: 258 of 262

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	8502	48.96	37.35	-35.03	51.28	88.30	37.02	Vertical
2	11779.333	39.00	38.40	-29.47	47.93	74.00	26.07	Vertical
3	14170	37.13	40.27	-29.11	48.28	88.30	40.02	Vertical
4	14170	37.13	40.27	-29.11	48.28	88.30	40.02	Vertical

Remark:

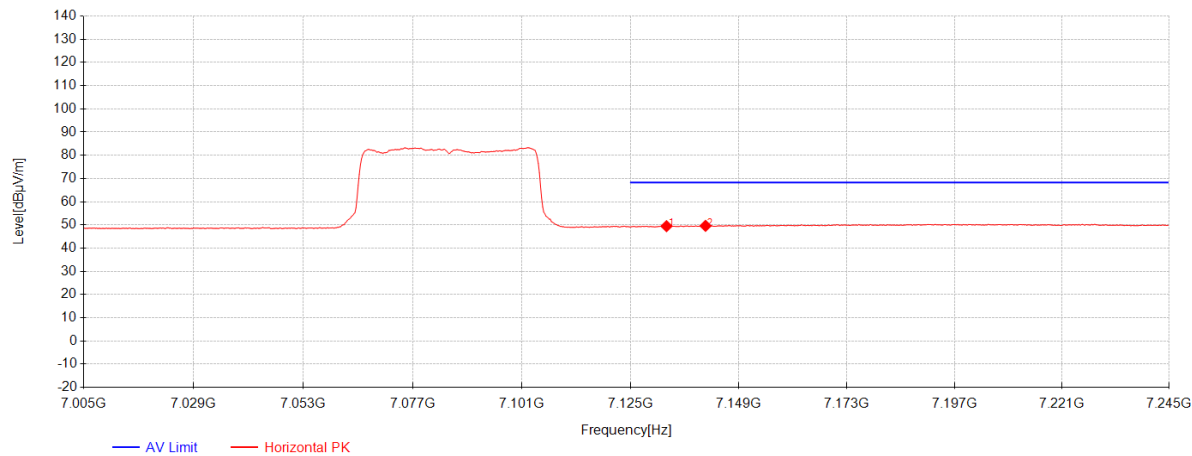
- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Level = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m)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



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

Report No.: SUCR250500040205
Rev.: 01
Page: 259 of 262

Restricted bands around fundamental frequency
802.11ax40_Channel 227



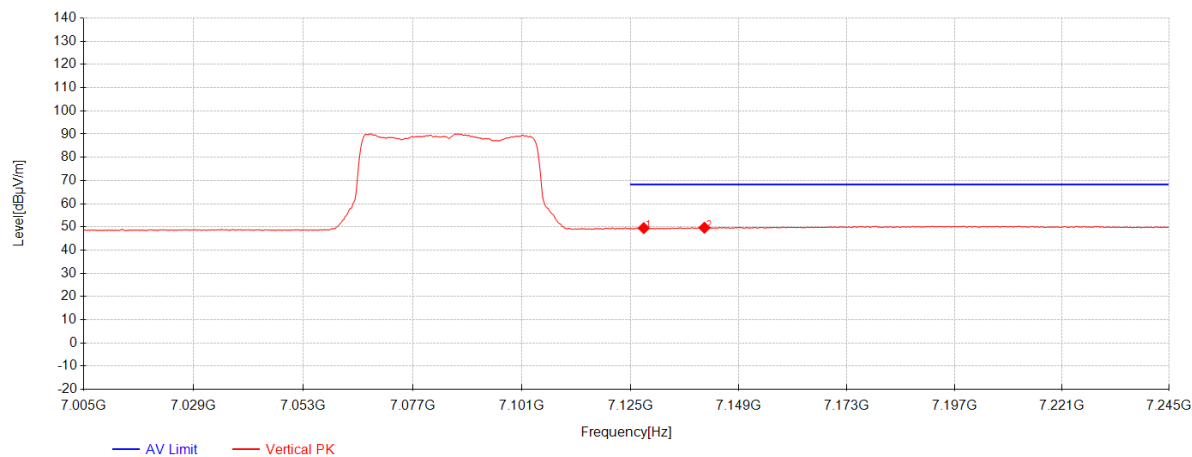
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7132.92	27.72	36.16	-14.42	49.46	68.30	18.84	Horizontal
2	7141.56	27.81	36.17	-14.38	49.60	68.30	18.70	Horizontal



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

Report No.: SUCR250500040205
Rev.: 01
Page: 260 of 262

802.11ax40_Channel 227



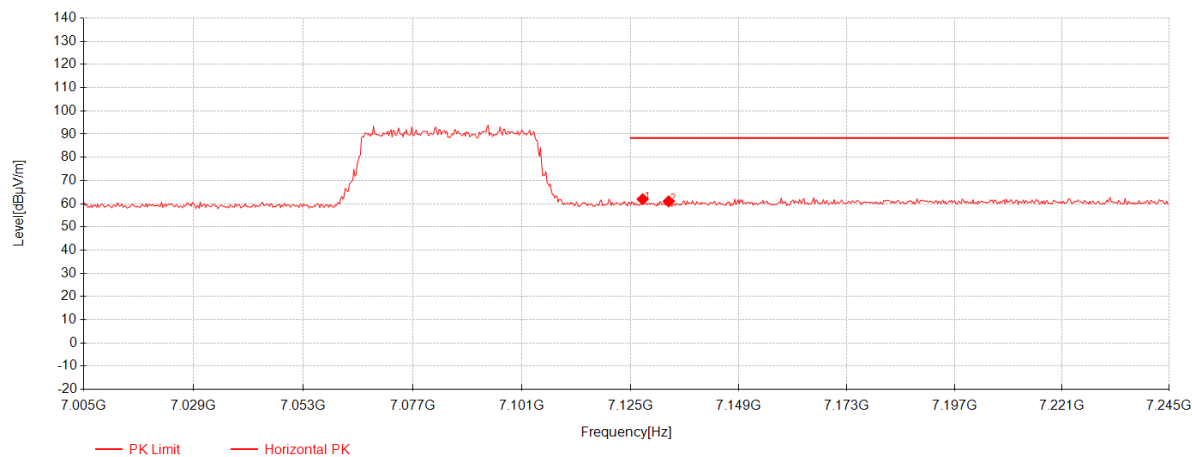
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7127.88	27.75	36.15	-14.44	49.47	68.30	18.83	Vertical
2	7141.32	27.86	36.17	-14.38	49.65	68.30	18.65	Vertical



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

Report No.: SUCR250500040205
Rev.: 01
Page: 261 of 262

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	7127.64	40.24	36.15	-14.44	61.95	88.30	26.35	Horizontal
2	7133.4	39.27	36.16	-14.41	61.02	88.30	27.28	Horizontal



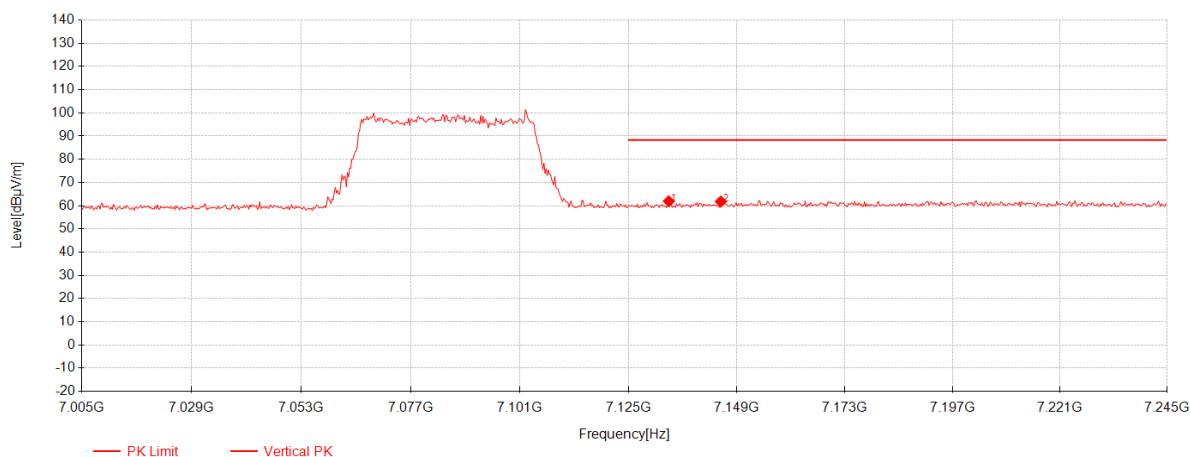
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500040205

Rev.: 01

Page: 262 of 262

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	40.18	36.16	-14.41	61.93	88.30	26.37	Vertical
2	7145.4	39.99	36.17	-14.36	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---