



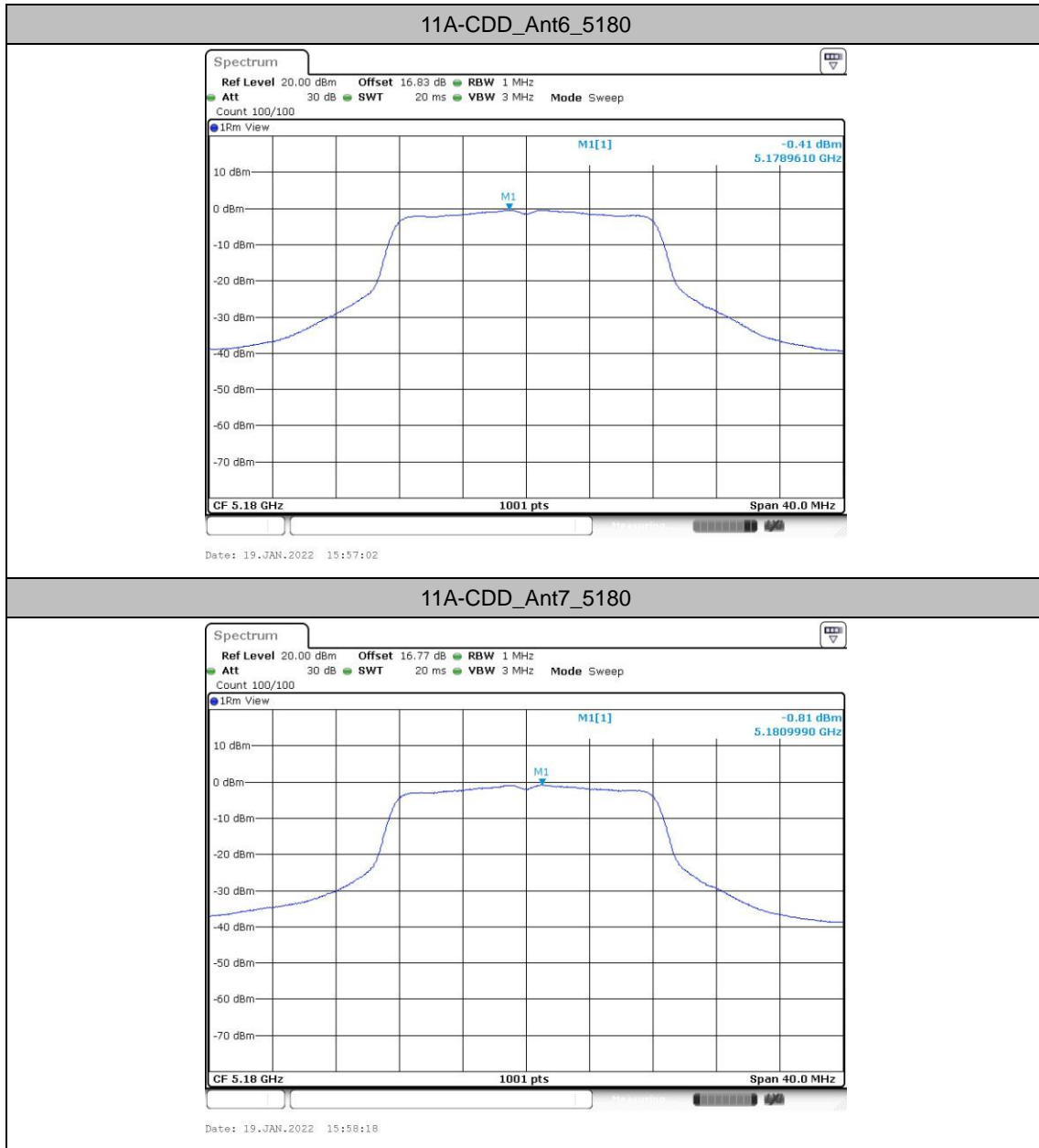
	Ant6	5310	-5.39	≤11.00	PASS
	Ant7	5310	-5.37	≤11.00	PASS
	total	5310	-2.37	≤11.00	PASS
	Ant6	5510	-4.92	≤11.00	PASS
	Ant7	5510	-5.79	≤11.00	PASS
	total	5510	-2.32	≤11.00	PASS
	Ant6	5550	-4.78	≤11.00	PASS
	Ant7	5550	-5.92	≤11.00	PASS
	total	5550	-2.30	≤11.00	PASS
	Ant6	5670	-4.43	≤11.00	PASS
	Ant7	5670	-5.26	≤11.00	PASS
	total	5670	-1.81	≤11.00	PASS
	Ant6	5710_UNII-2C	-4.91	≤11.00	PASS
	Ant7	5710_UNII-2C	-4.11	≤11.00	PASS
	total	5710_UNII-2C	-1.48	≤11.00	PASS
	Ant6	5710_UNII-3	-9.83	≤30.00	PASS
	Ant7	5710_UNII-3	-9.14	≤30.00	PASS
	total	5710_UNII-3	-6.46	≤30.00	PASS
11AC80-CDD	Ant6	5210	-7.85	≤11.00	PASS
	Ant7	5210	-9.63	≤11.00	PASS
	total	5210	-5.64	≤11.00	PASS
	Ant6	5290	-9.08	≤11.00	PASS
	Ant7	5290	-8.87	≤11.00	PASS
	total	5290	-5.96	≤11.00	PASS
	Ant6	5530	-9.13	≤11.00	PASS
	Ant7	5530	-9.71	≤11.00	PASS
	total	5530	-6.40	≤11.00	PASS
	Ant6	5610	-8.84	≤11.00	PASS
	Ant7	5610	-9.57	≤11.00	PASS
	total	5610	-6.18	≤11.00	PASS
	Ant6	5690_UNII-2C	-8.56	≤11.00	PASS
	Ant7	5690_UNII-2C	-7.56	≤11.00	PASS
	total	5690_UNII-2C	-5.02	≤11.00	PASS
	Ant6	5690_UNII-3	-13.48	≤30.00	PASS
	Ant7	5690_UNII-3	-12.8	≤30.00	PASS
	total	5690_UNII-3	-10.12	≤30.00	PASS

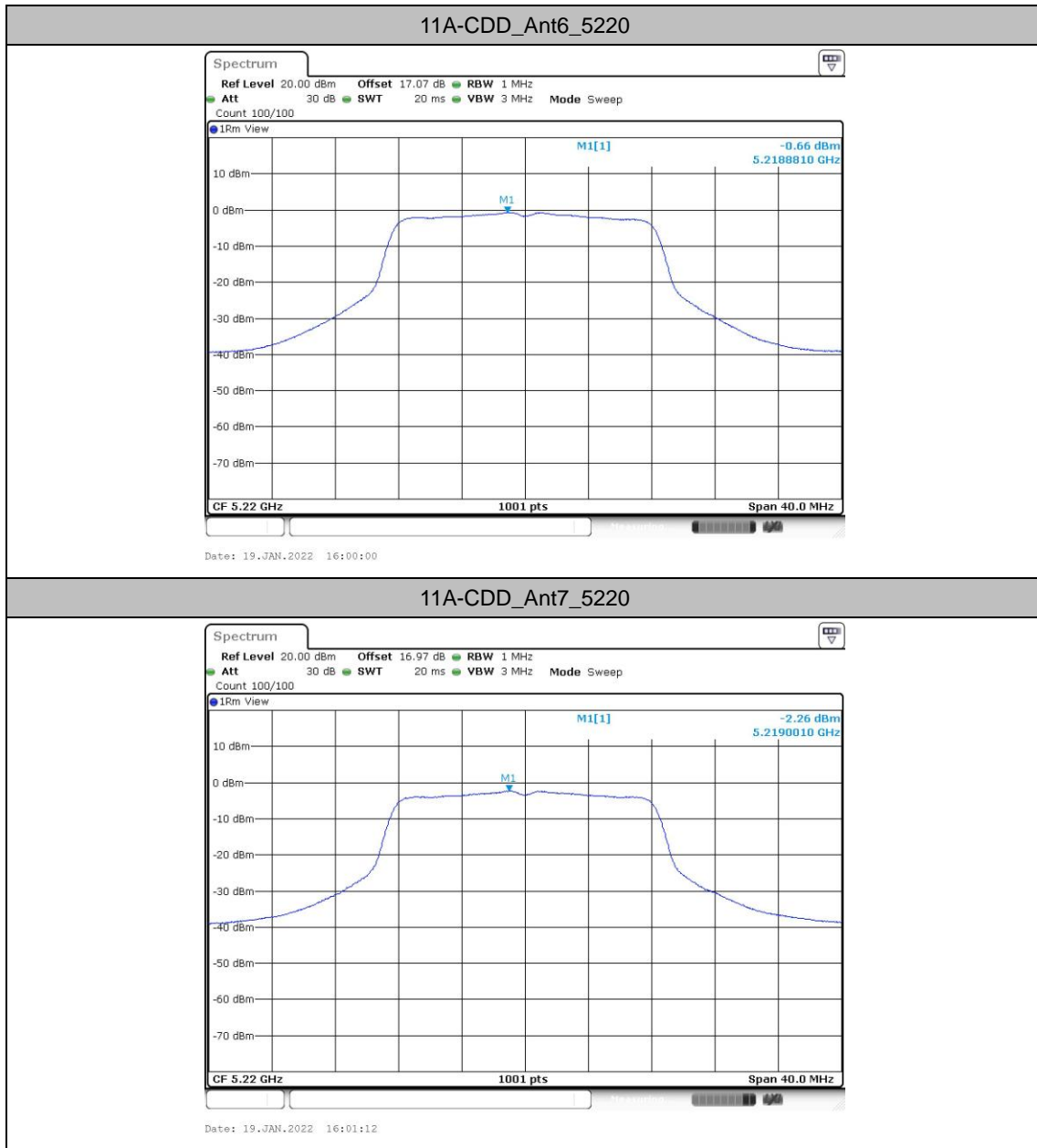
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

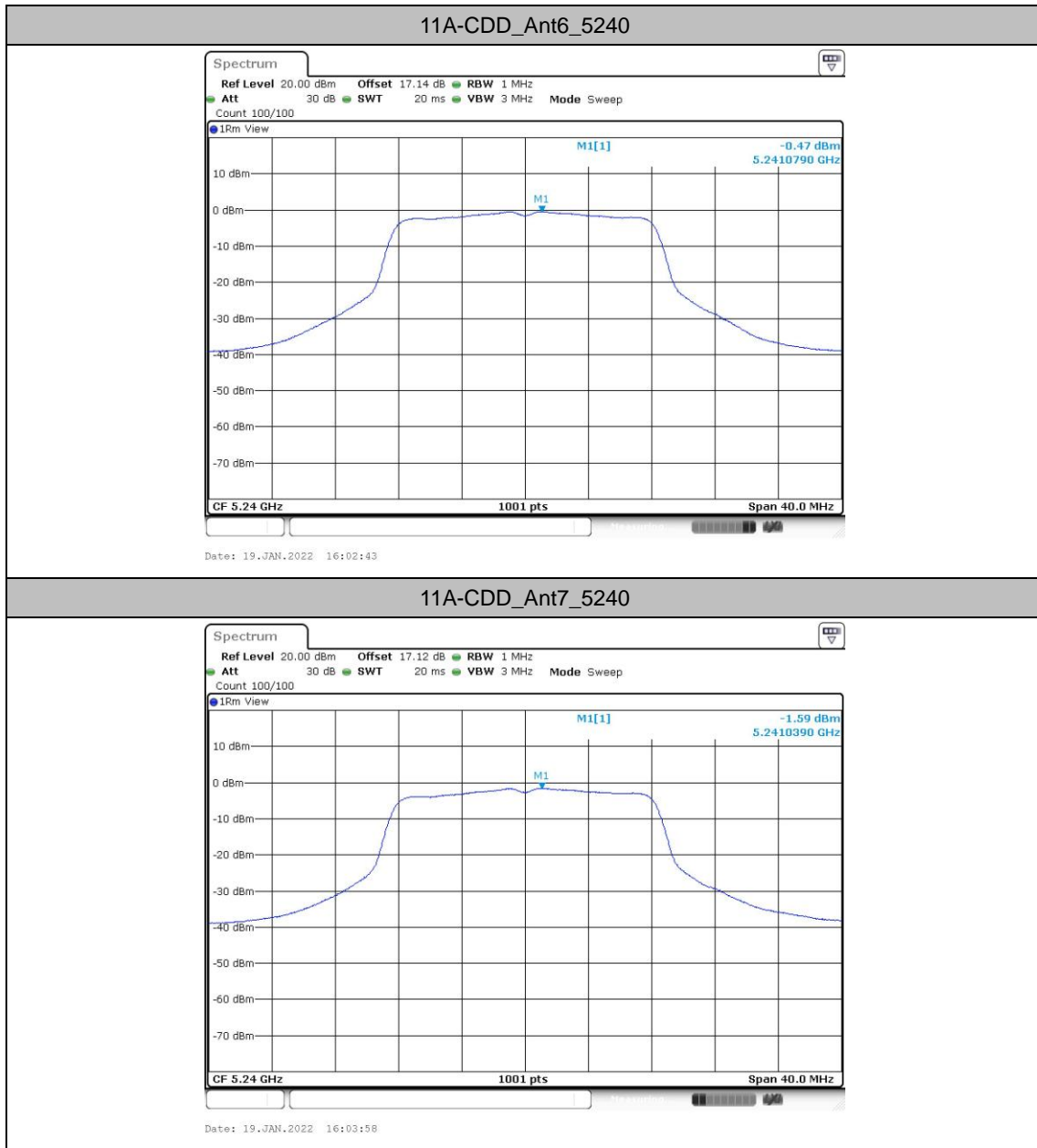
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



Test Graphs

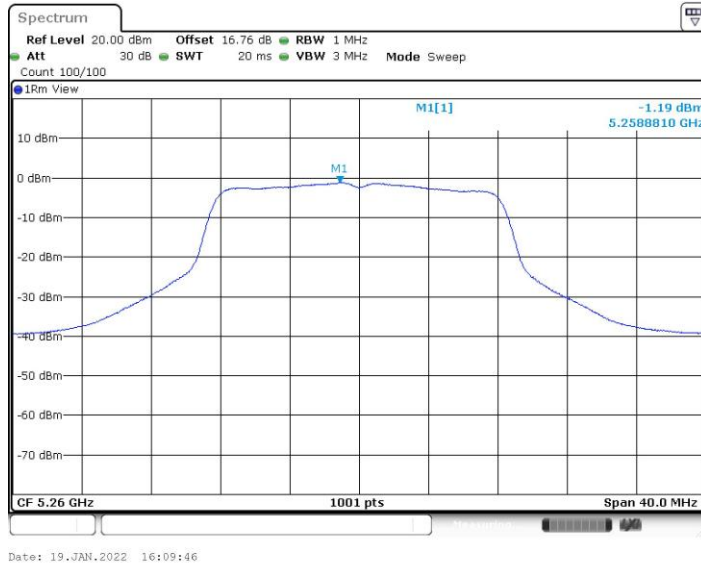






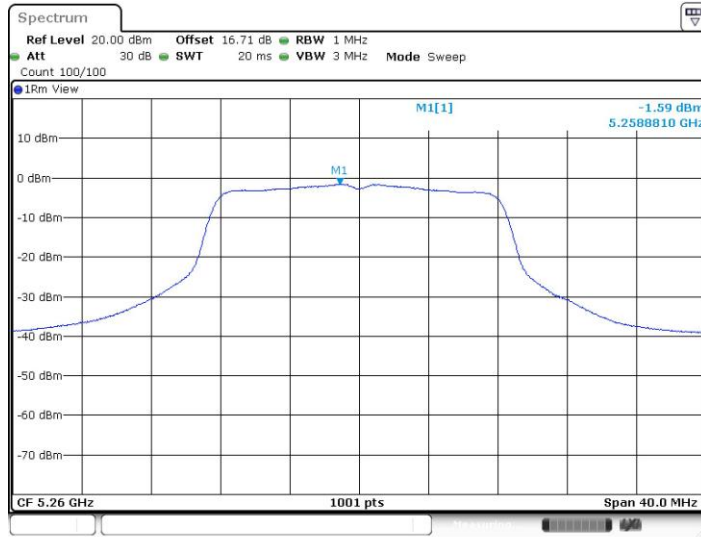


11A-CDD\_Ant6\_5260

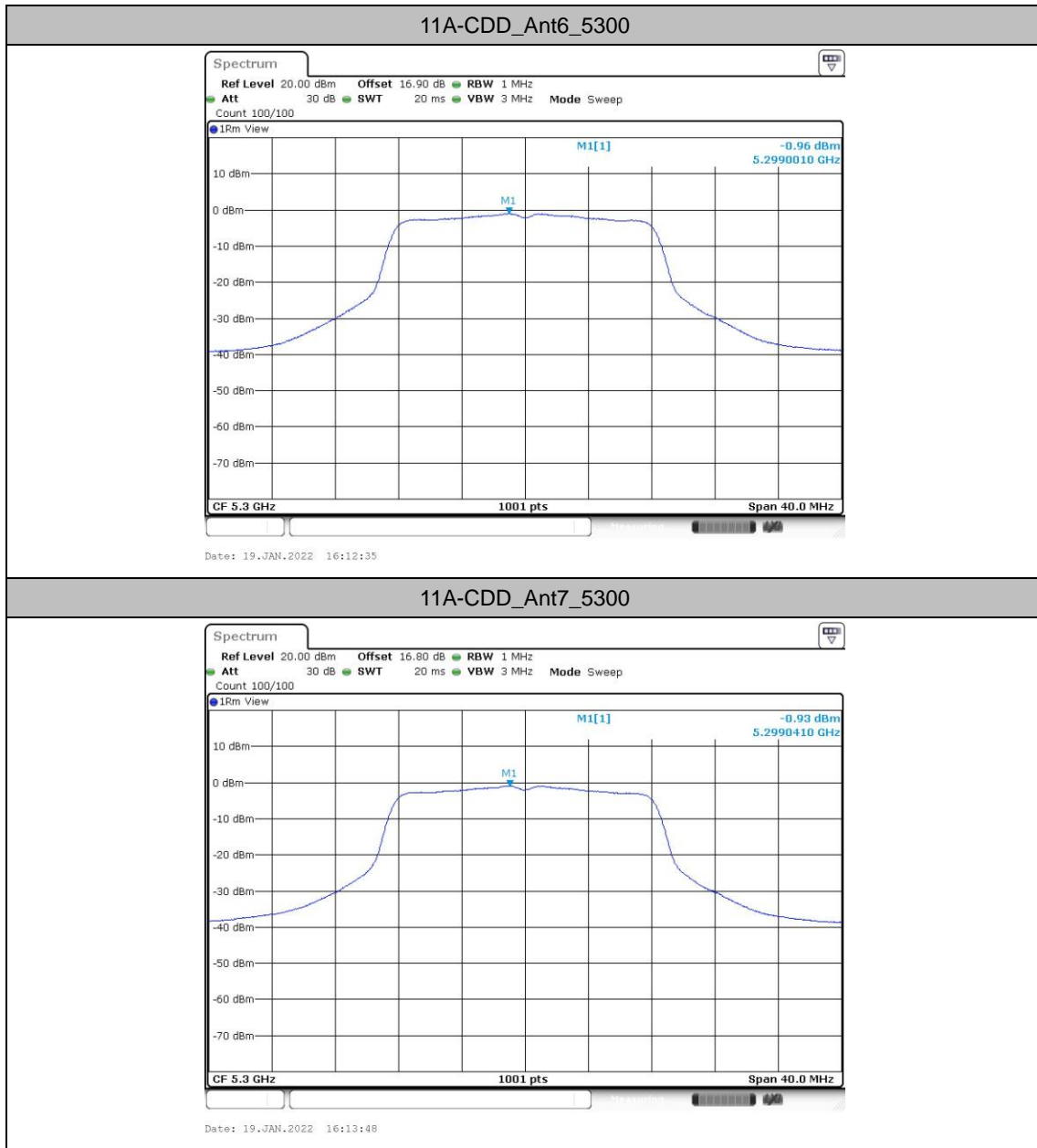


Date: 19.JAN.2022 16:09:46

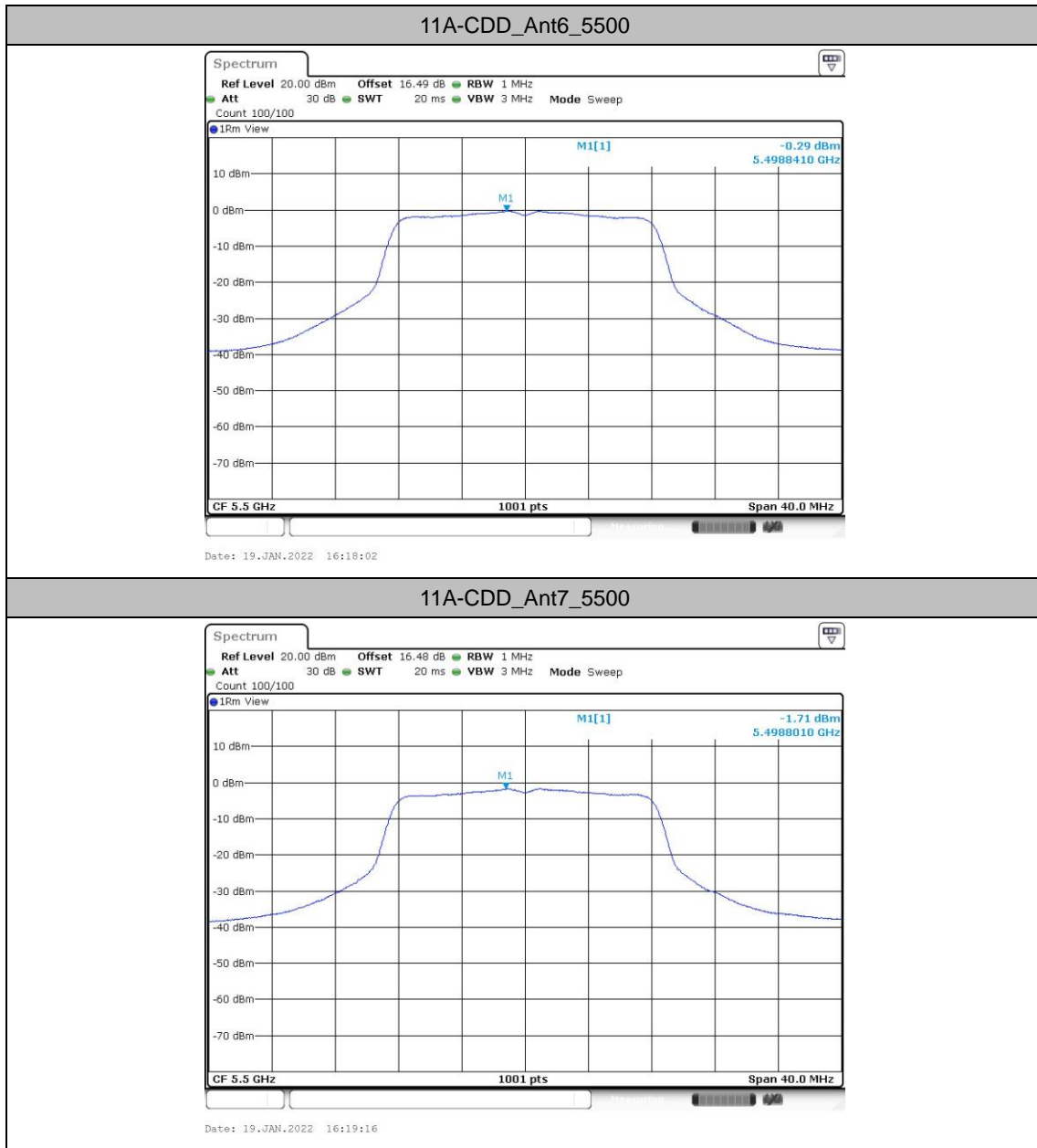
11A-CDD\_Ant7\_5260



Date: 19.JAN.2022 16:11:00



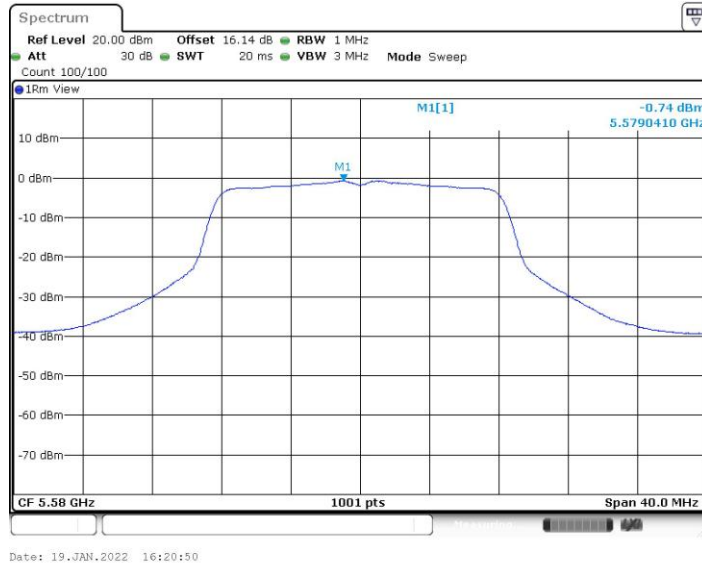






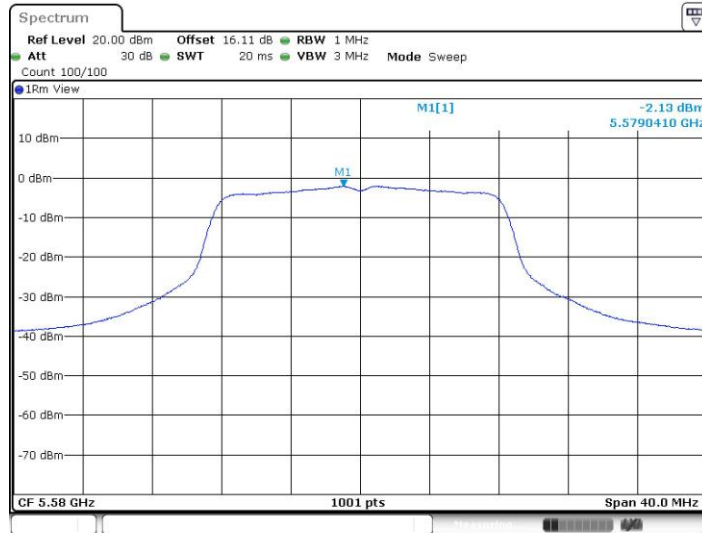


11A-CDD\_Ant6\_5580

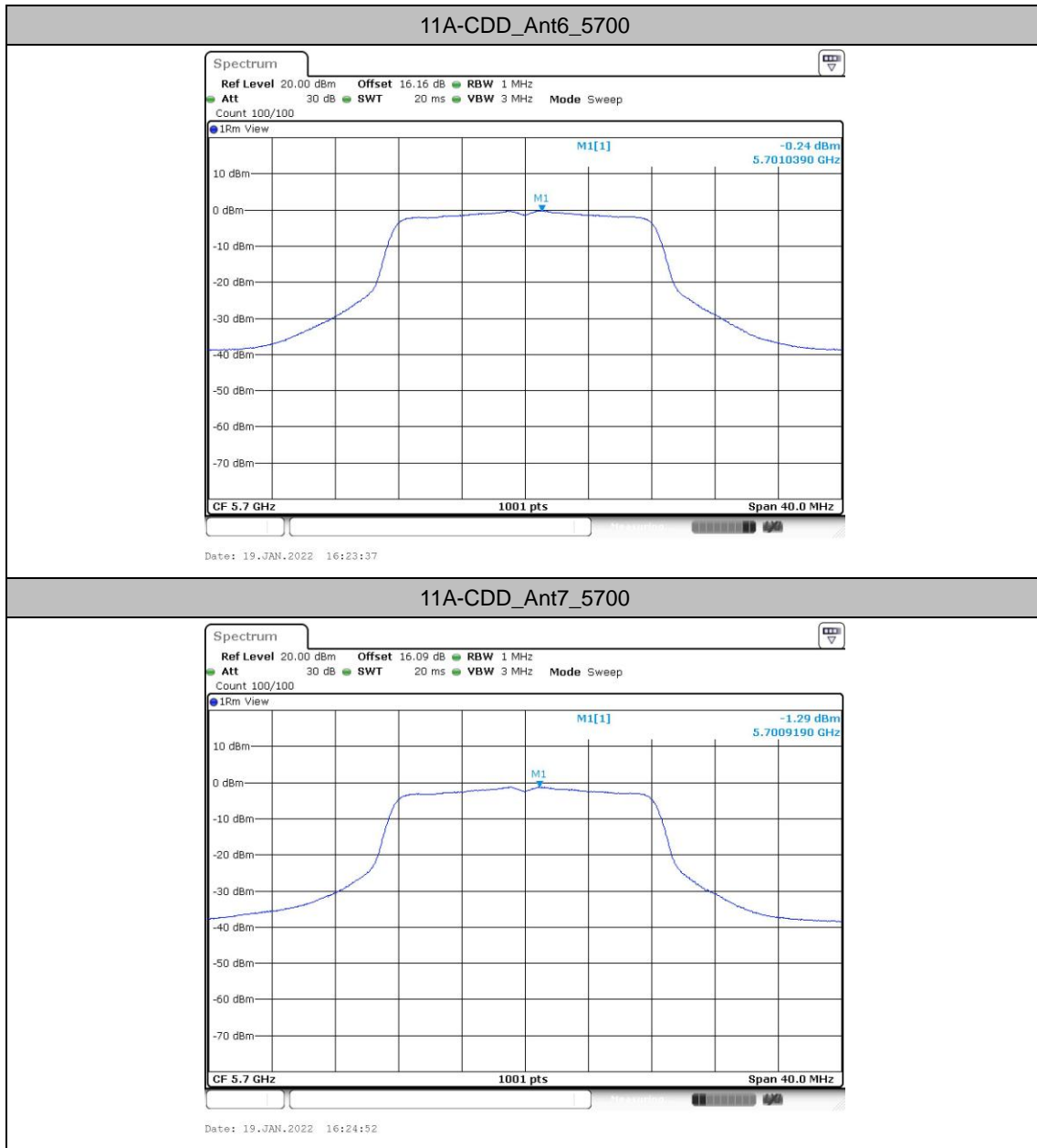


Date: 19.JAN.2022 16:20:50

11A-CDD\_Ant7\_5580

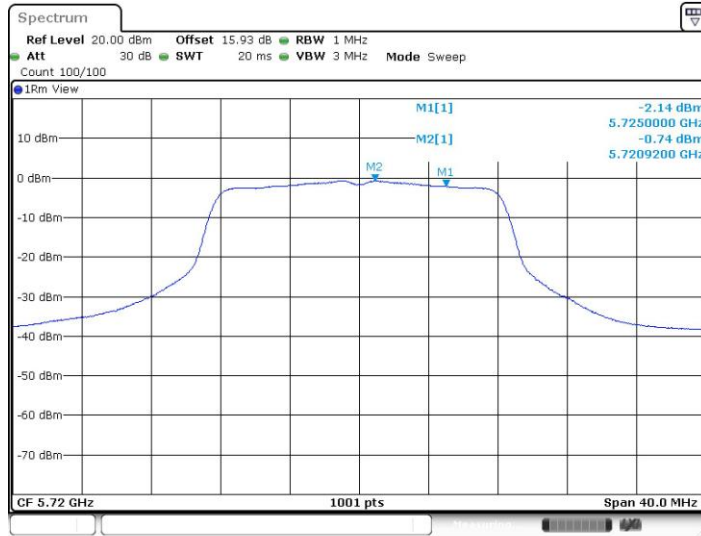


Date: 19.JAN.2022 16:22:04



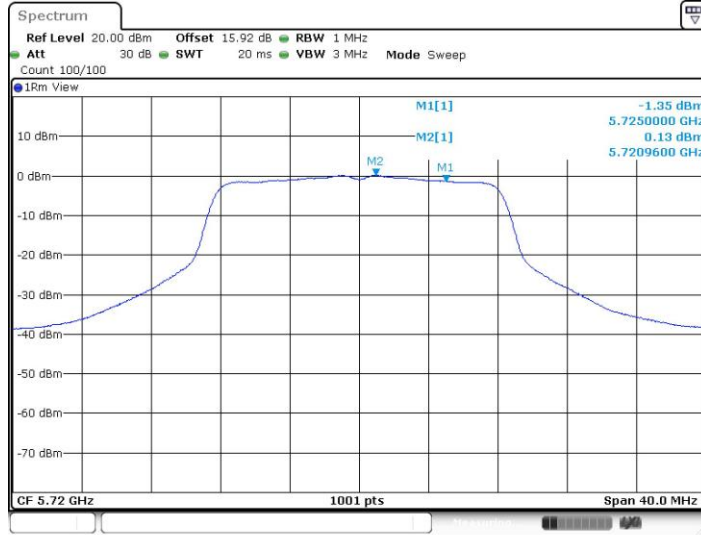


11A-CDD\_Ant6\_5720\_UNII-2C



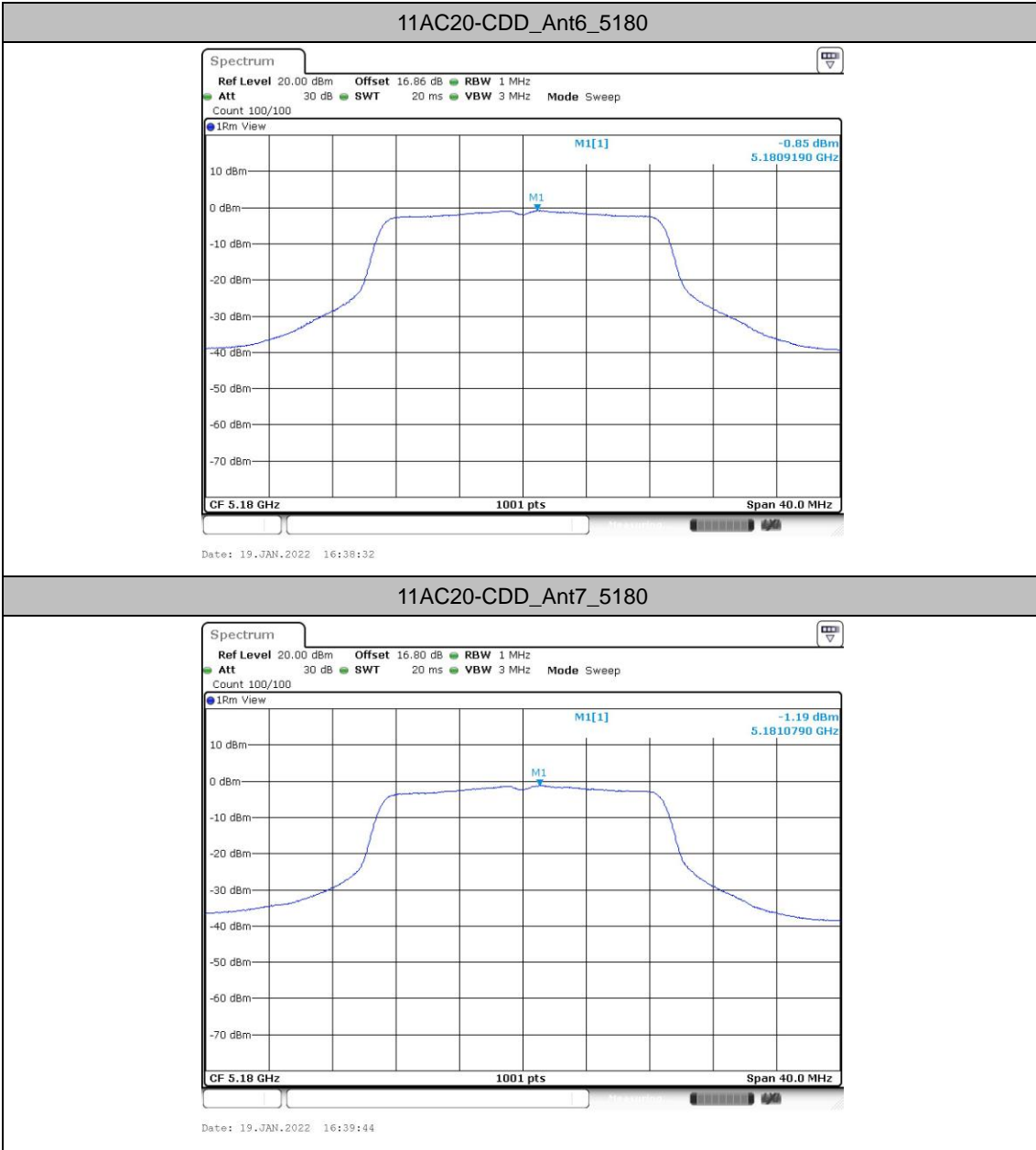
Date: 21.JAN.2022 15:13:12

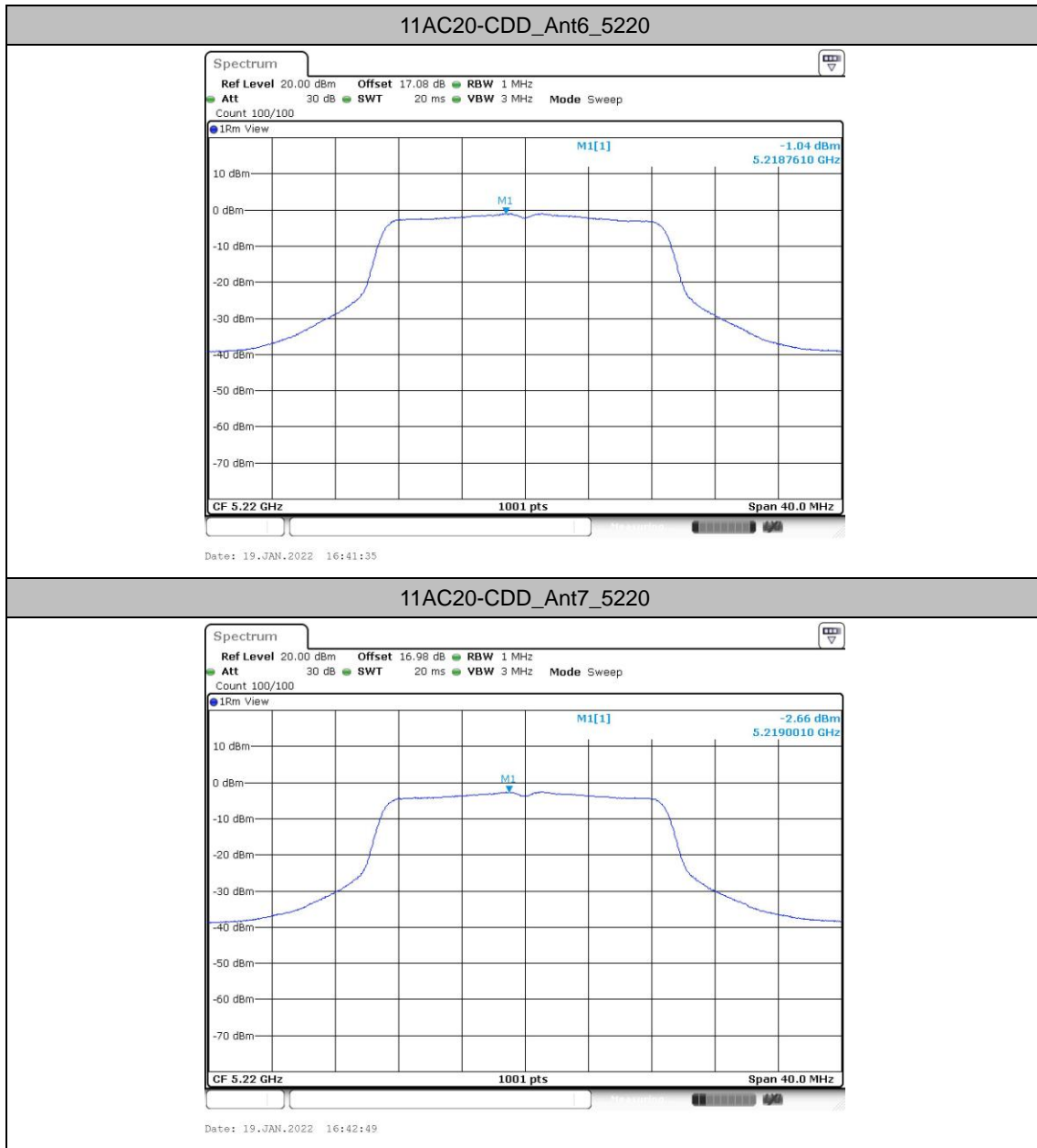
11A-CDD\_Ant7\_5720\_UNII-2C

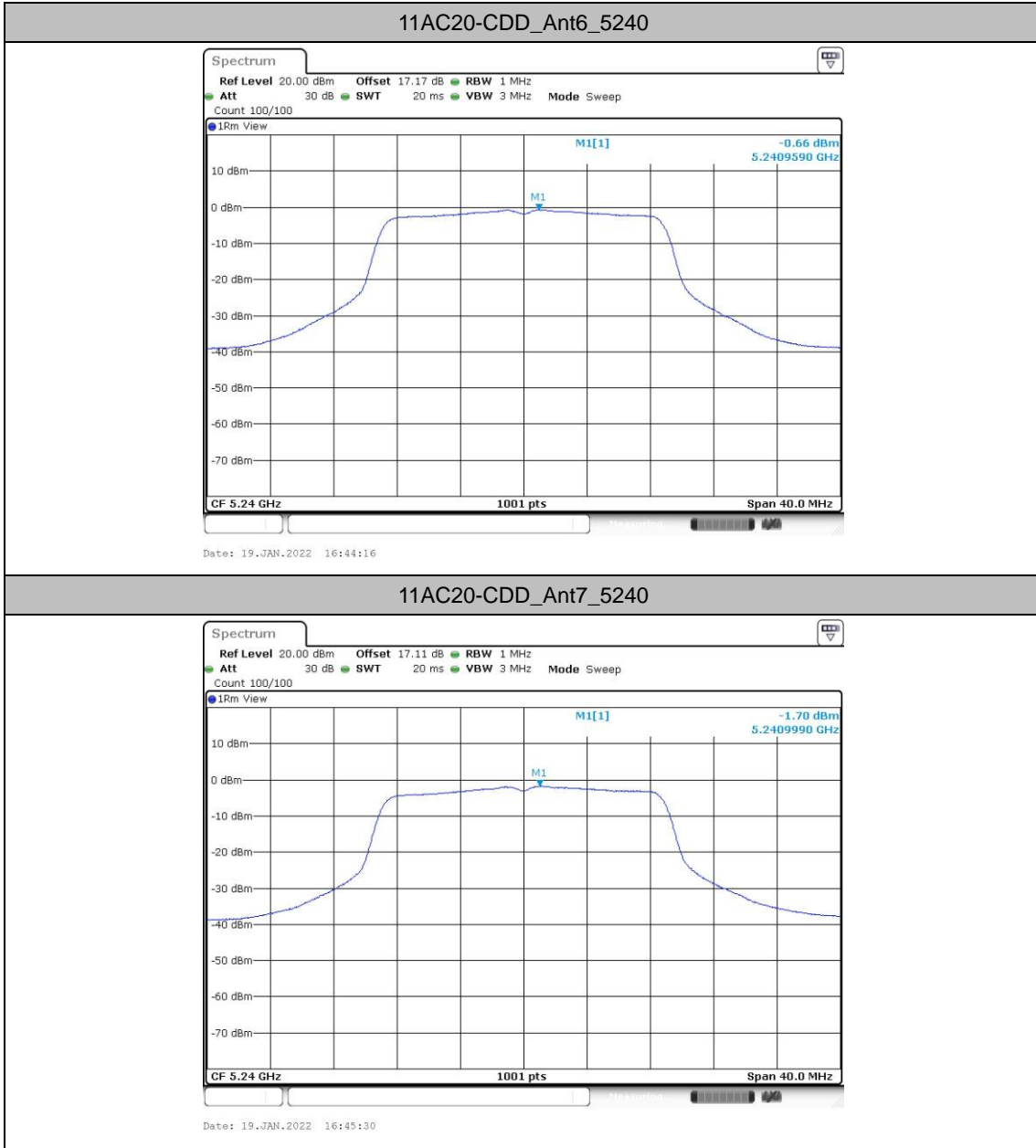


Date: 21.JAN.2022 15:17:09











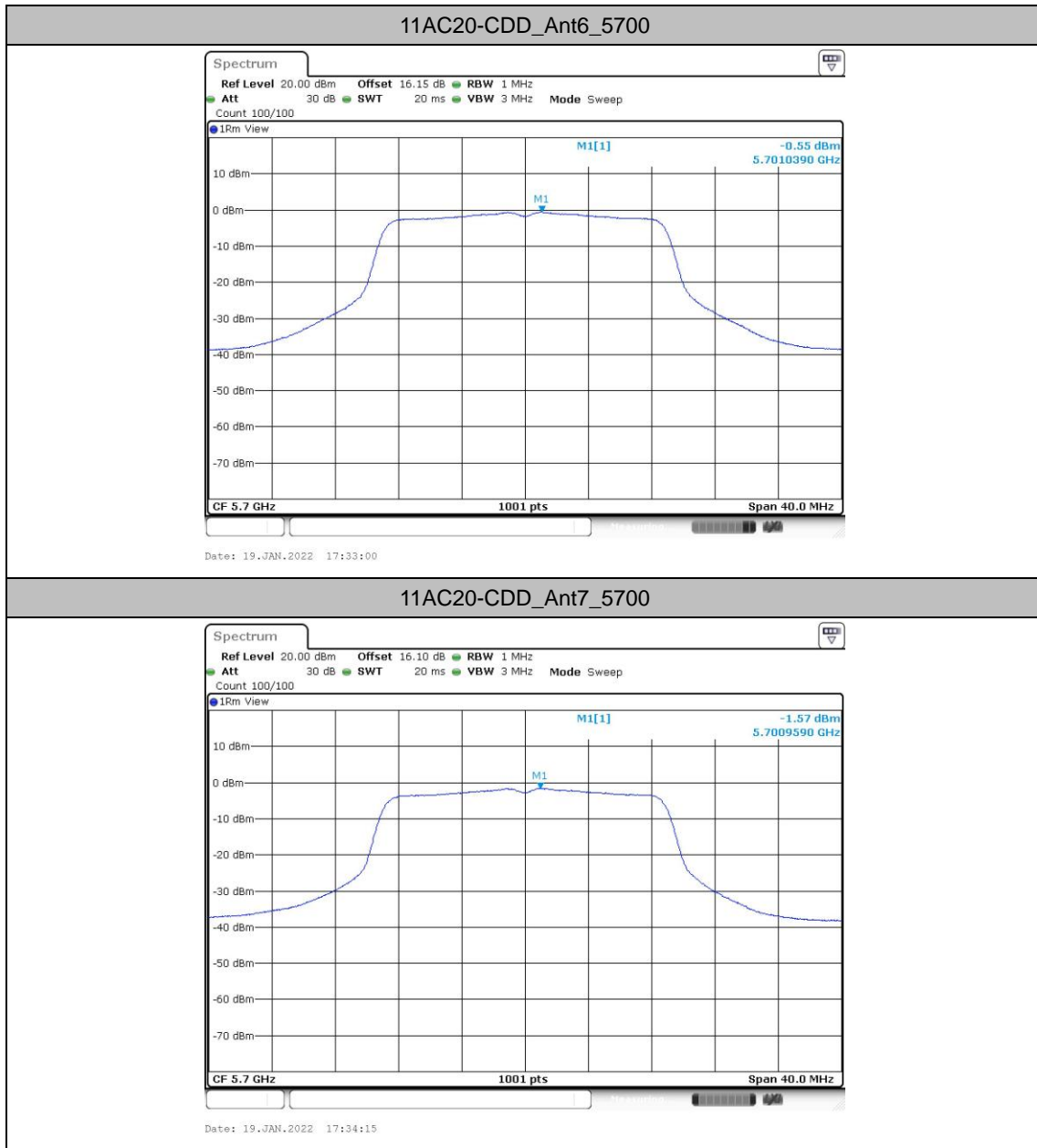








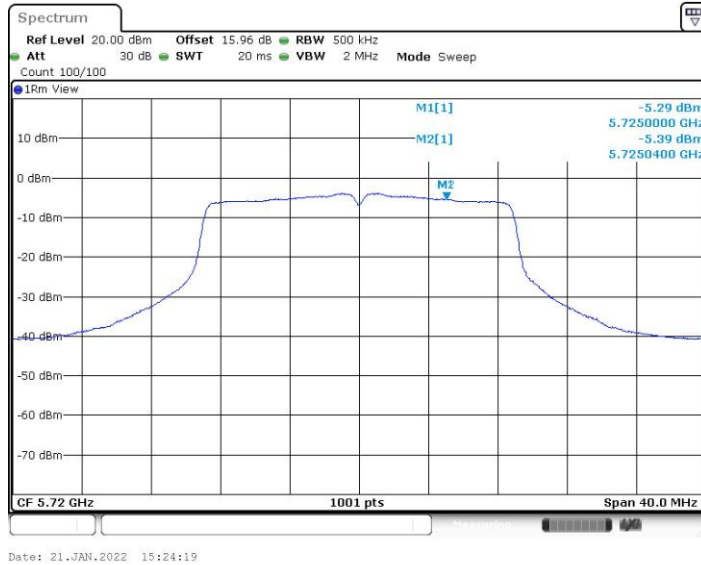




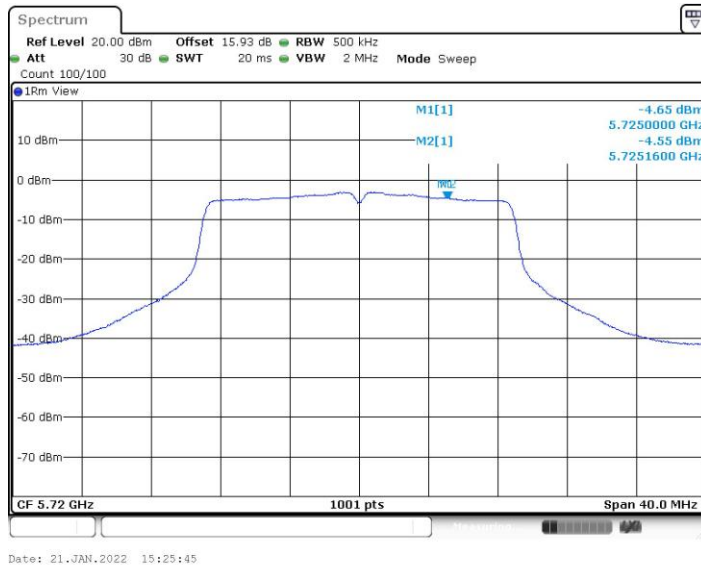


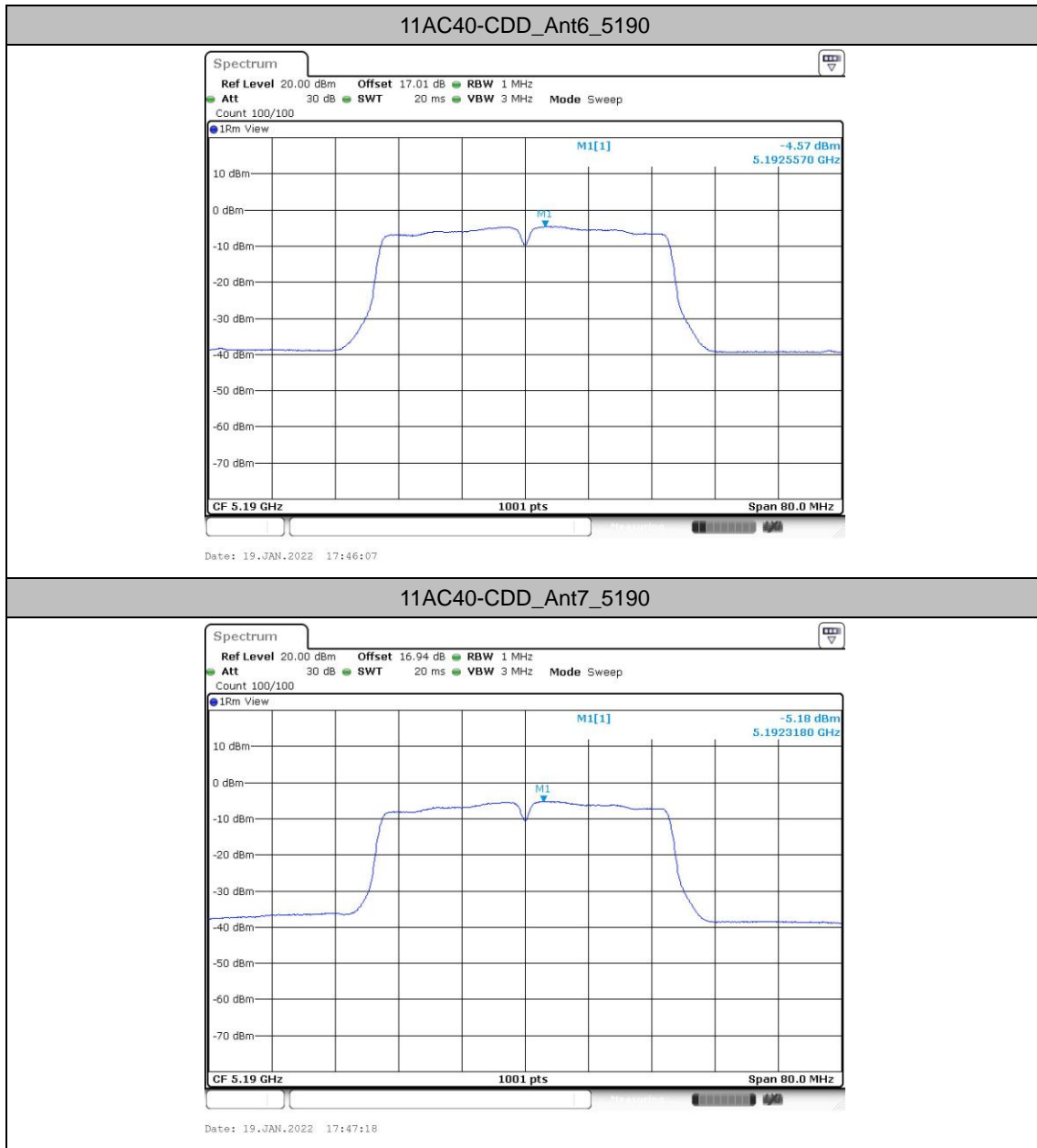


11AC20-CDD\_Ant6\_5720\_UNII-3

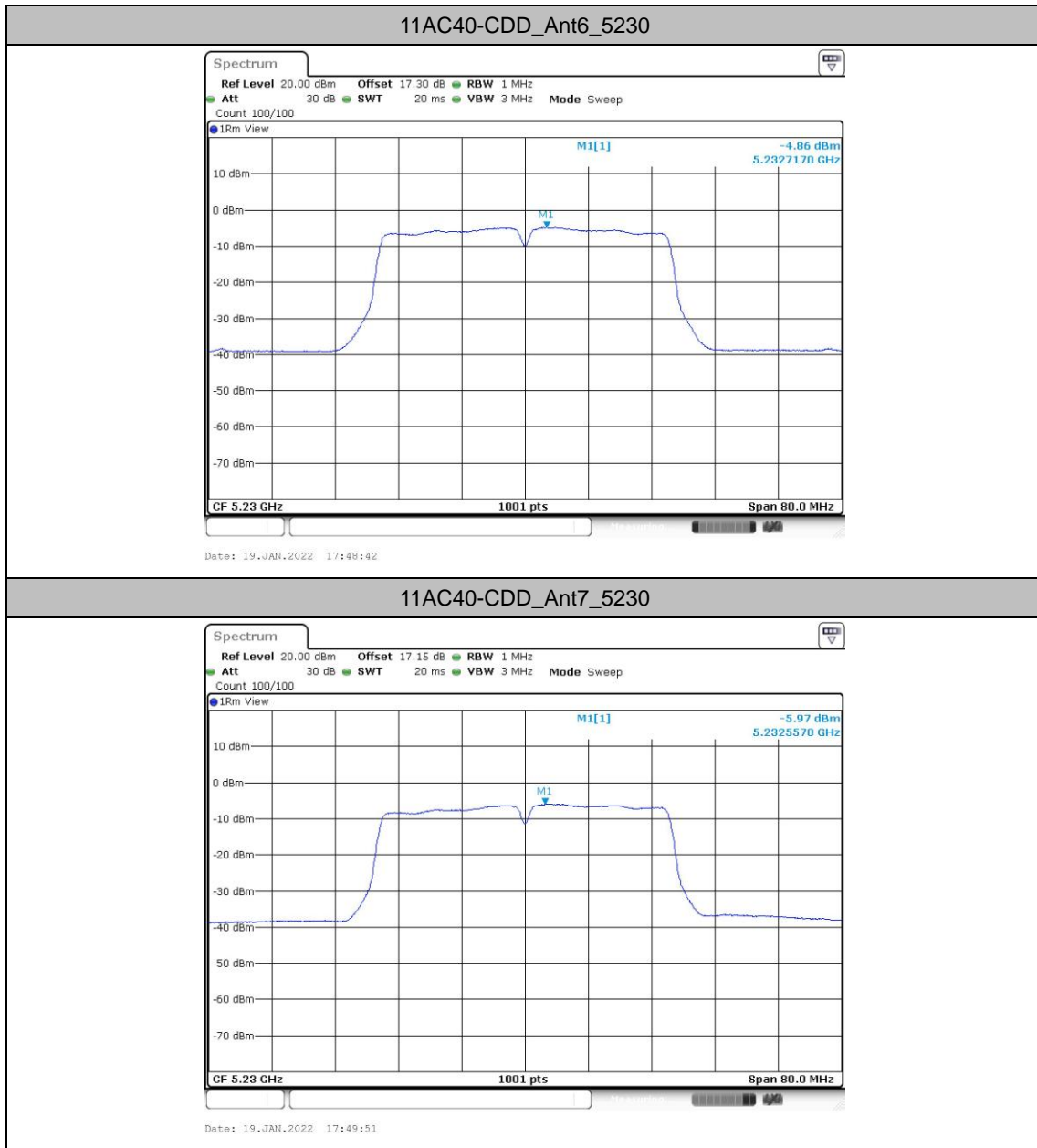


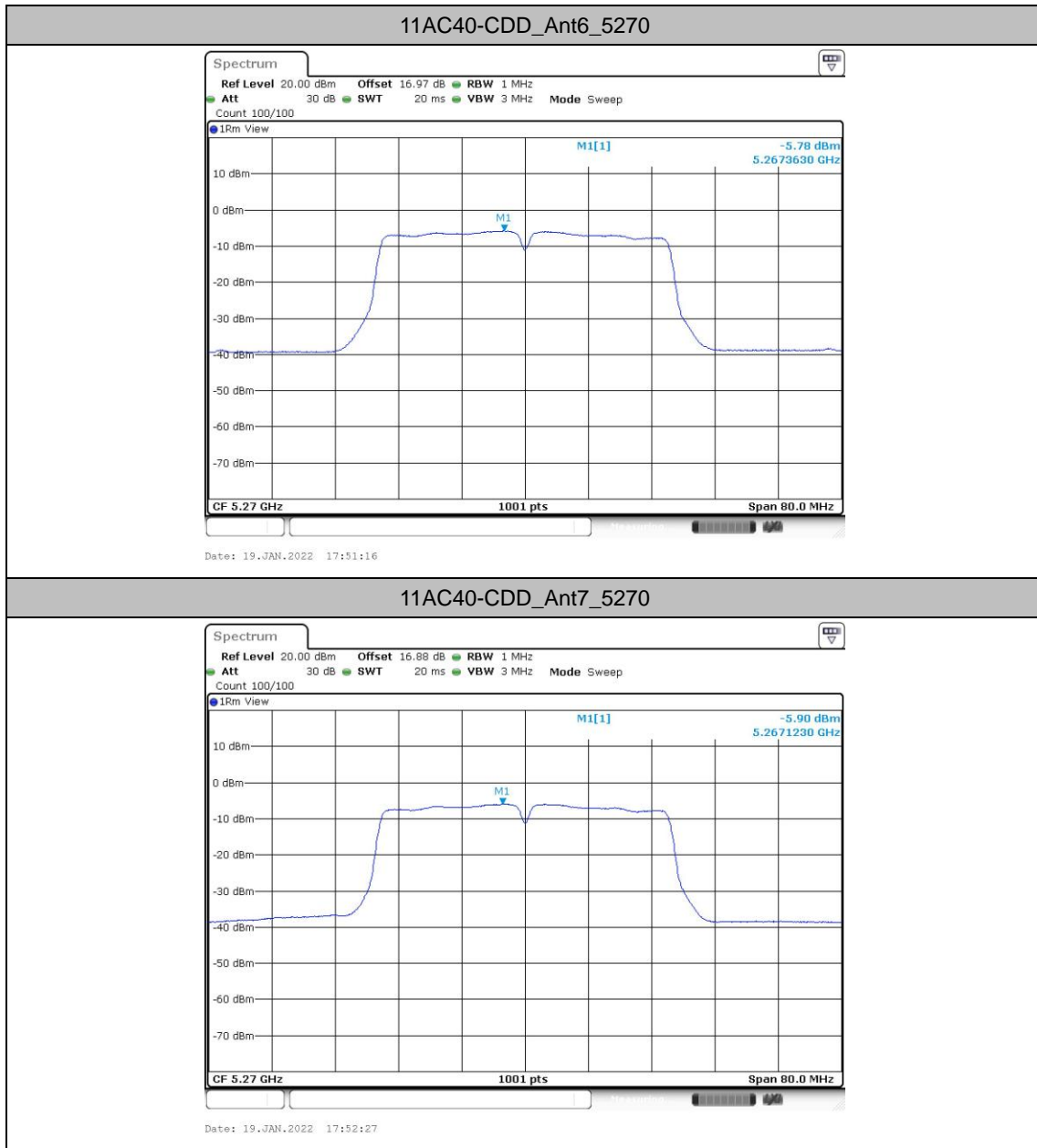
11AC20-CDD\_Ant7\_5720\_UNII-3

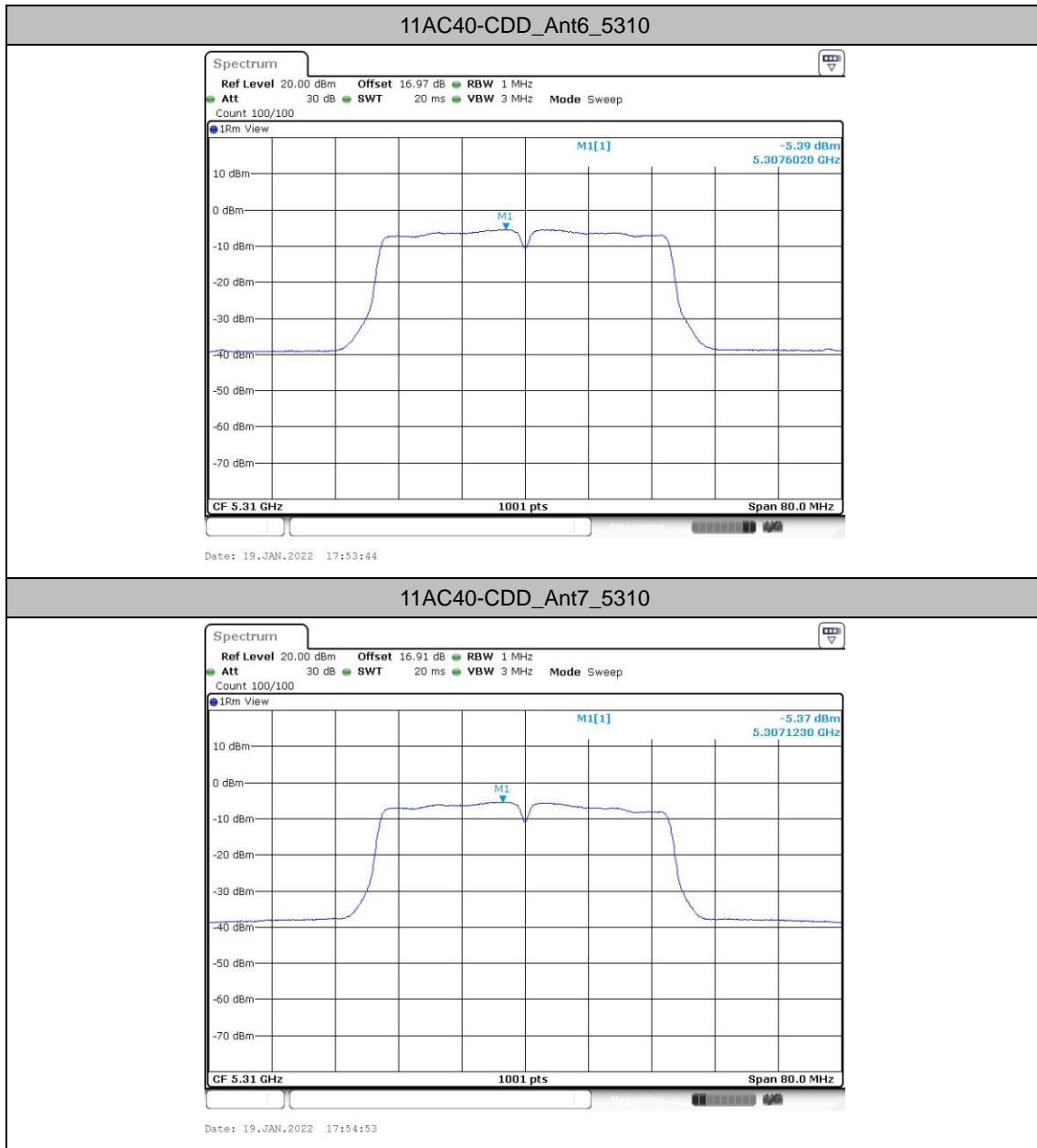


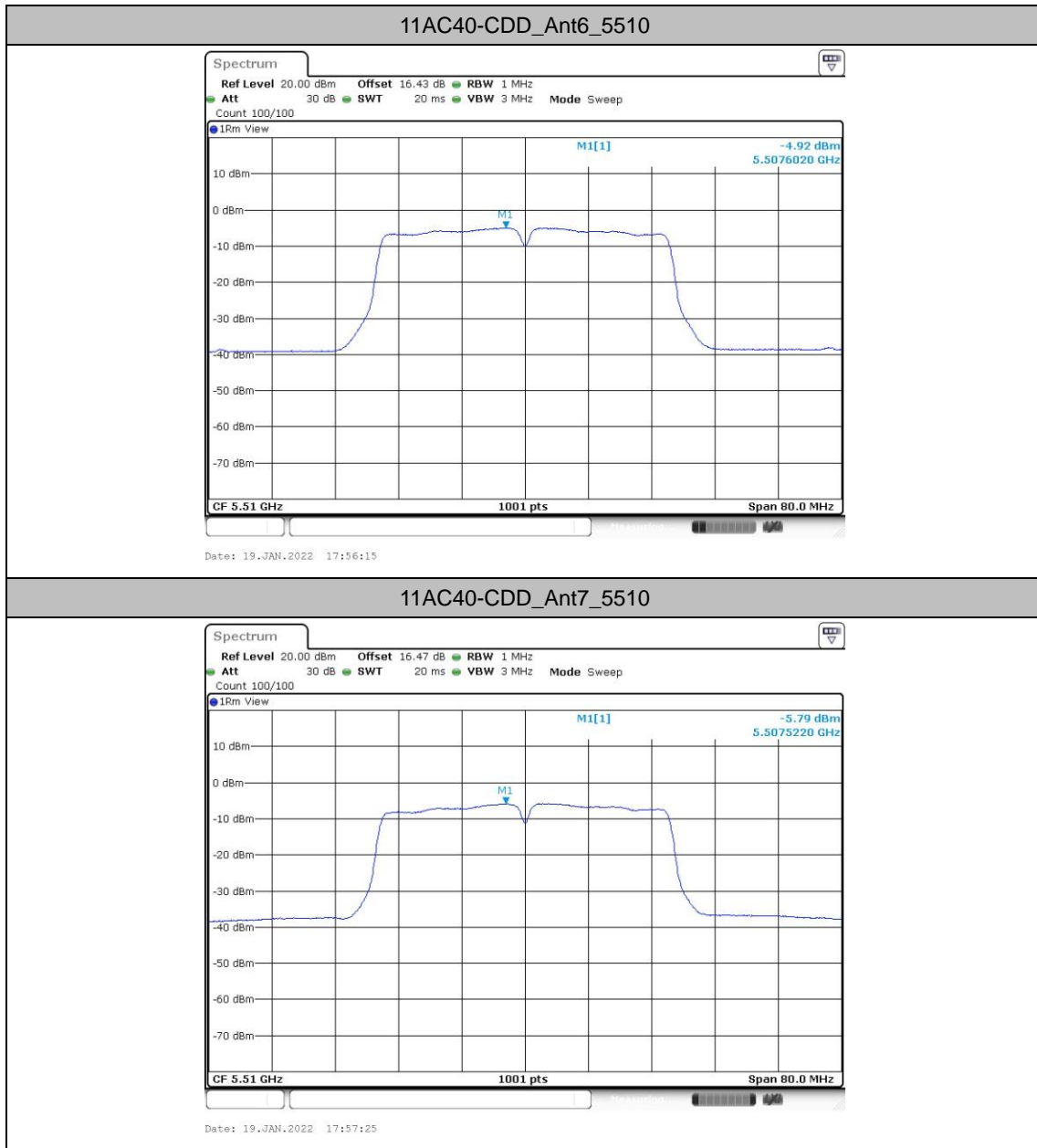


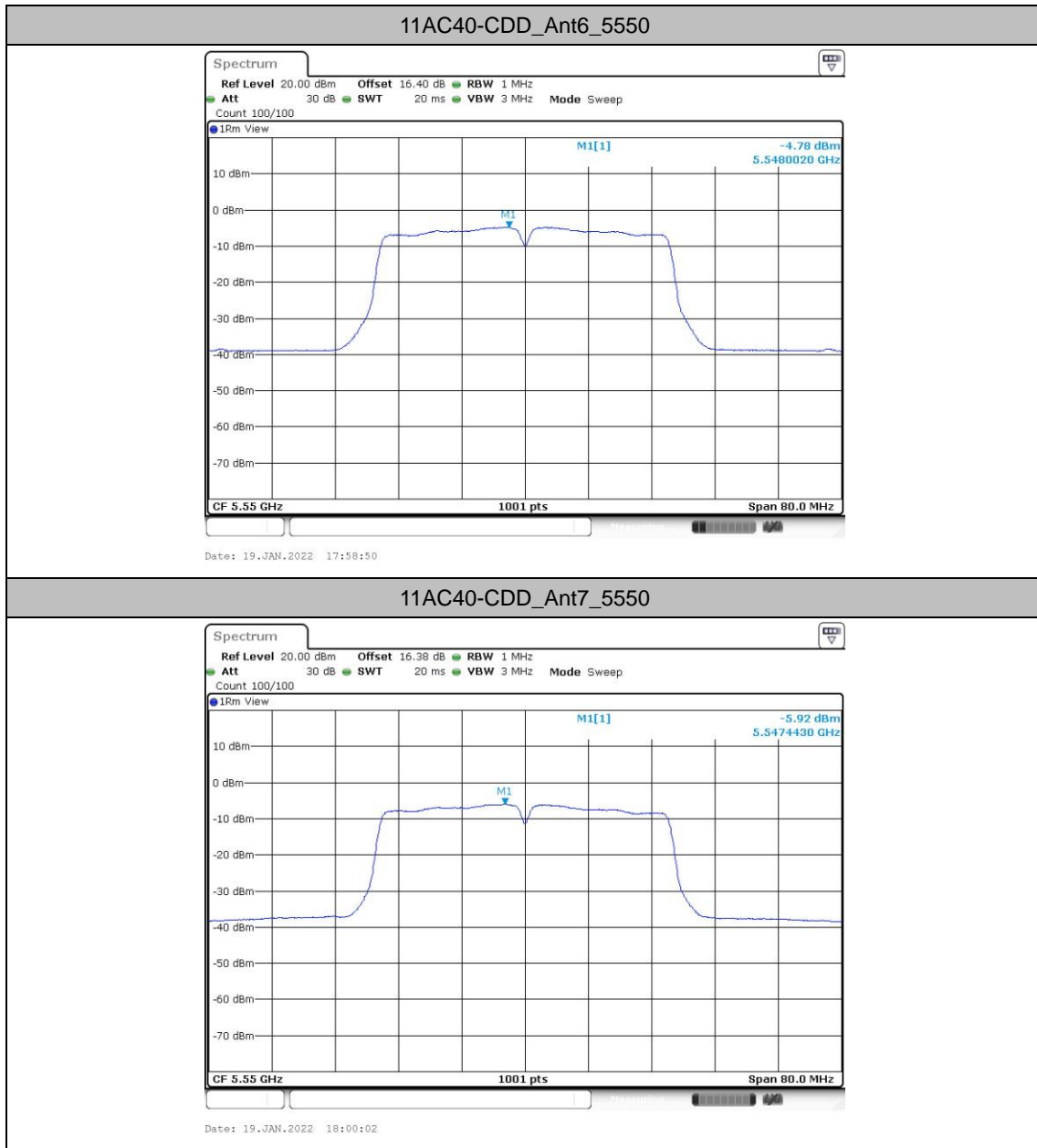


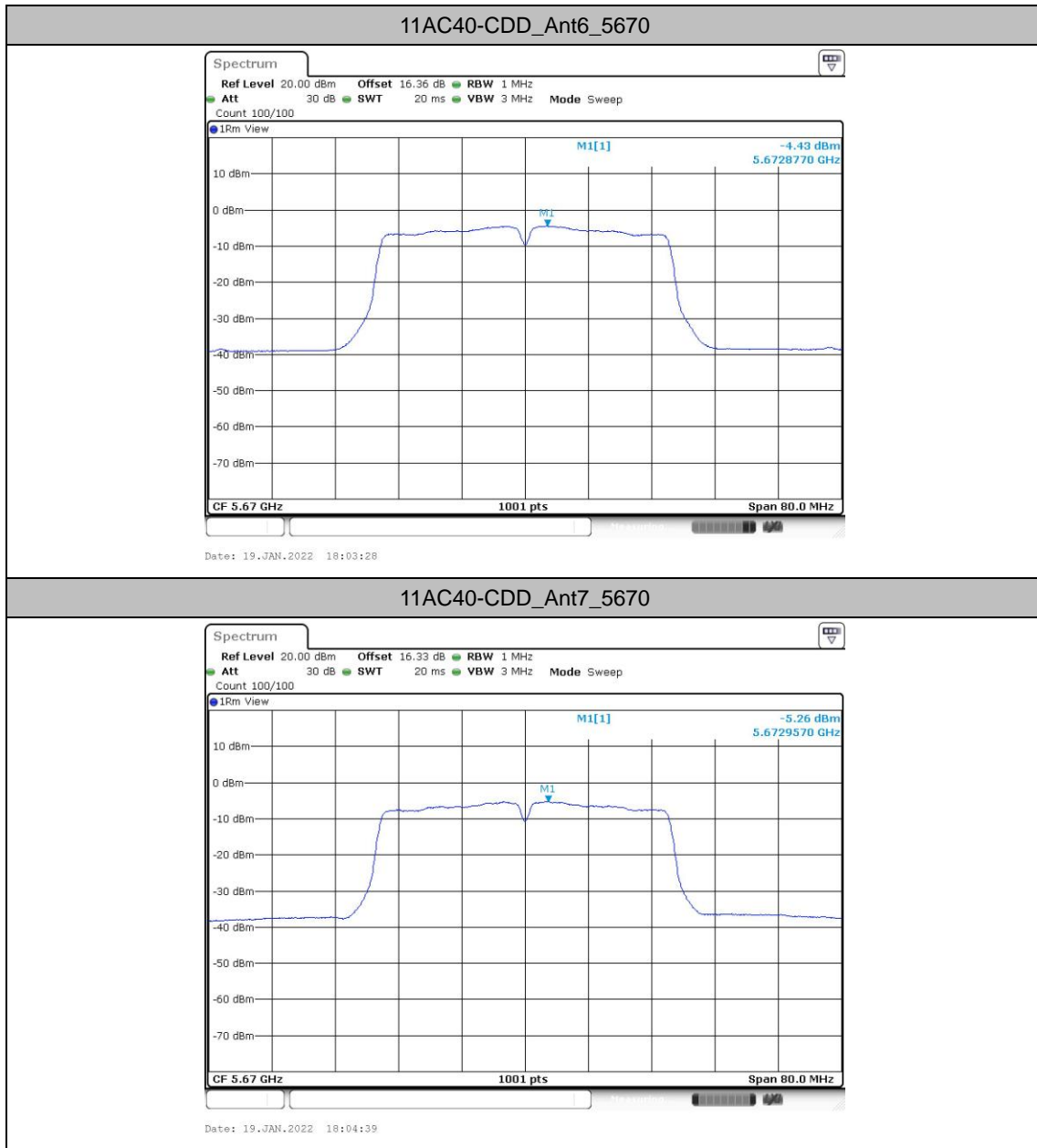


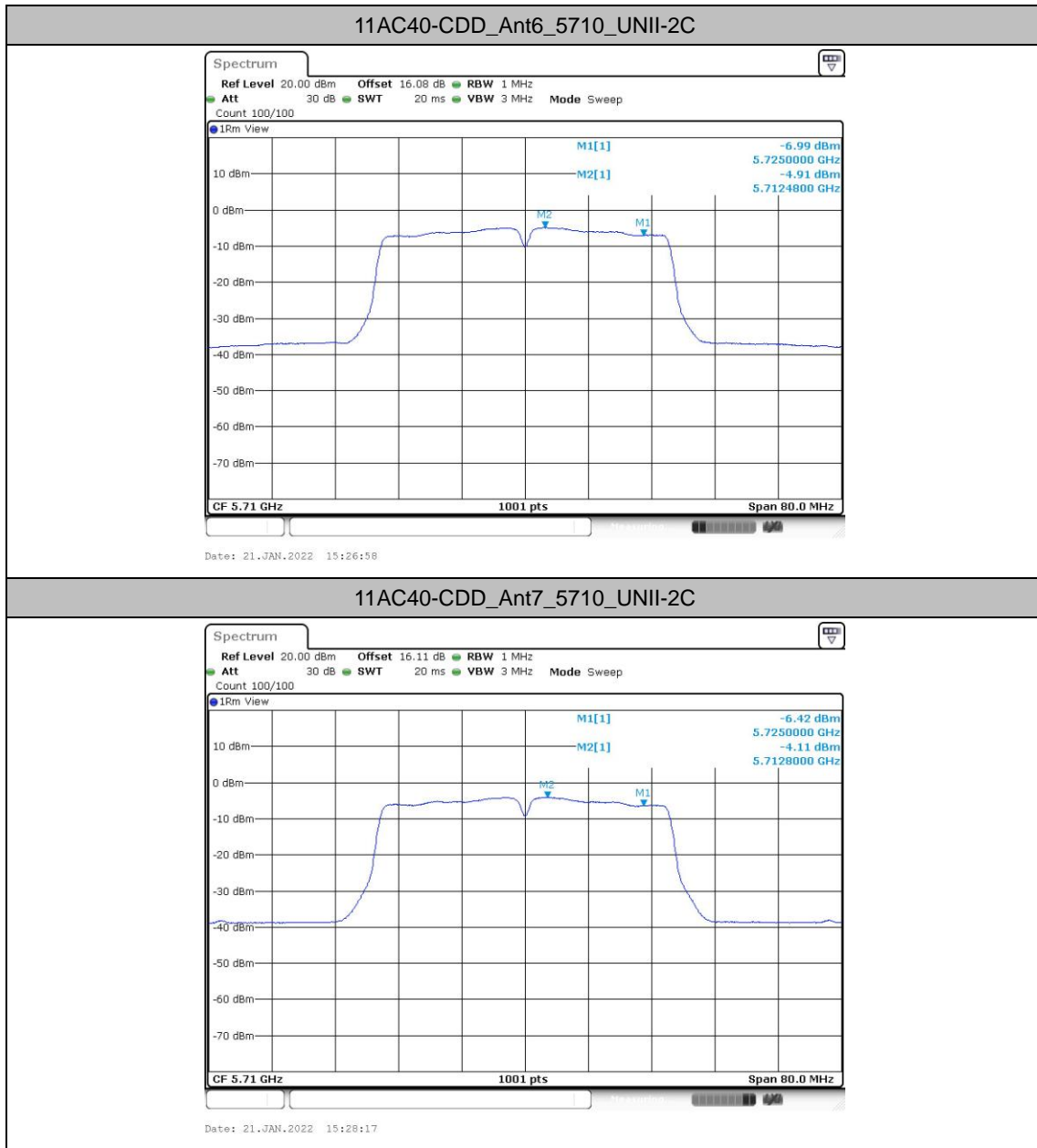












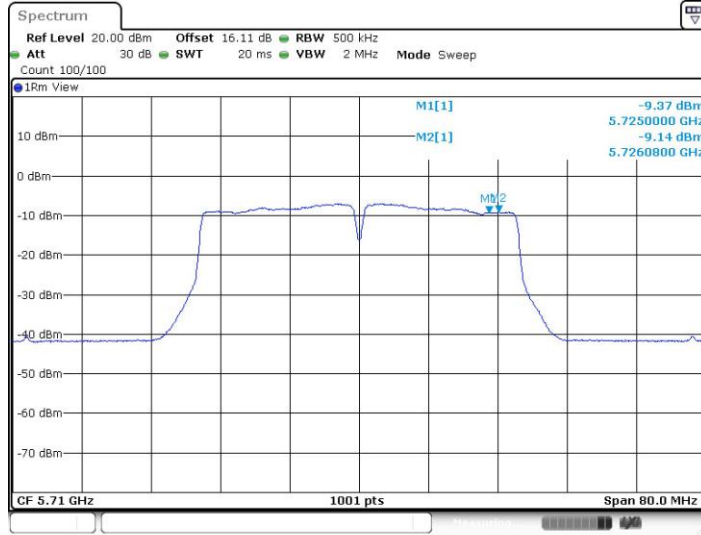


11AC40-CDD\_Ant6\_5710\_UNII-3



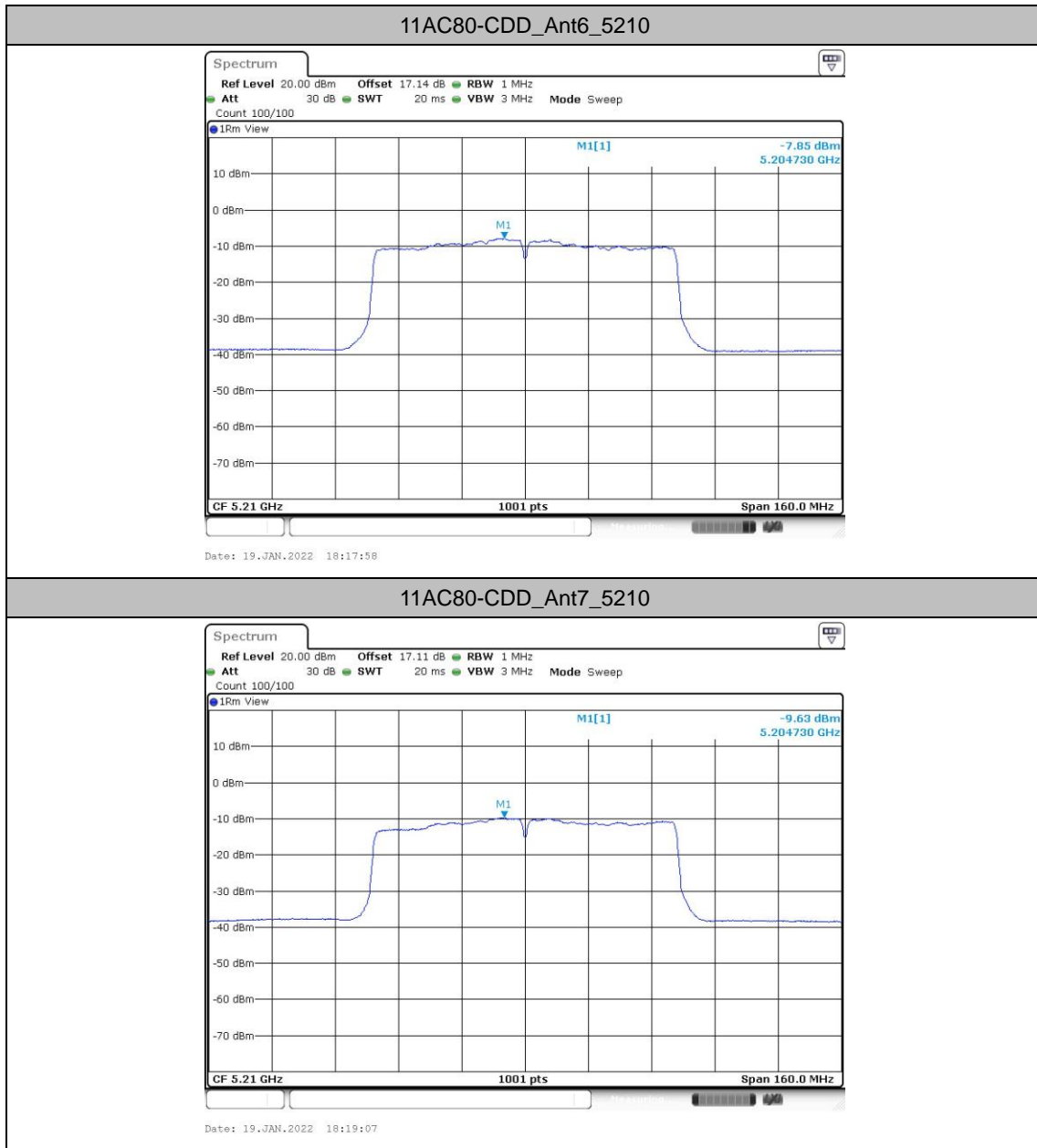
Date: 21.JAN.2022 15:27:08

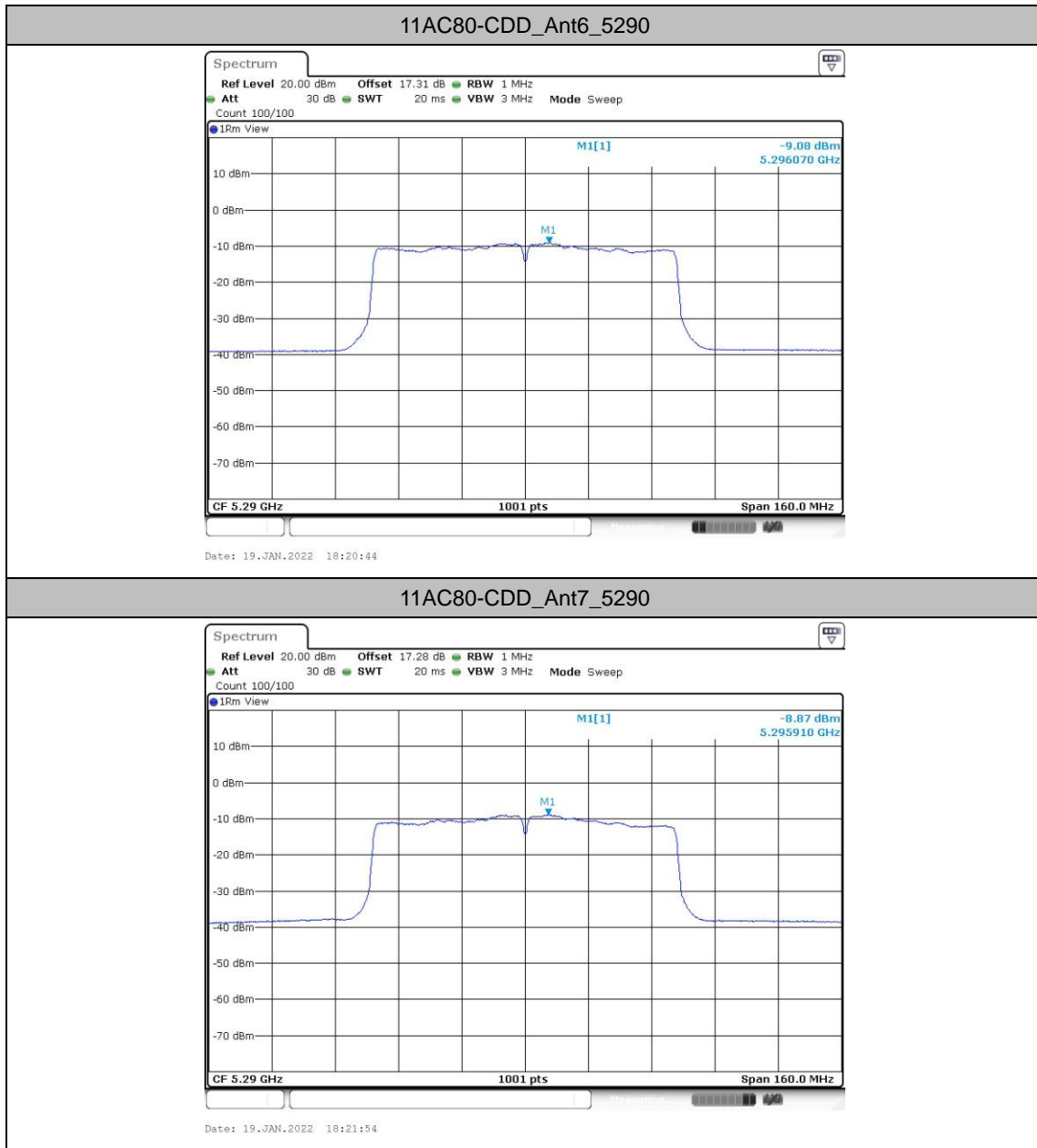
11AC40-CDD\_Ant7\_5710\_UNII-3

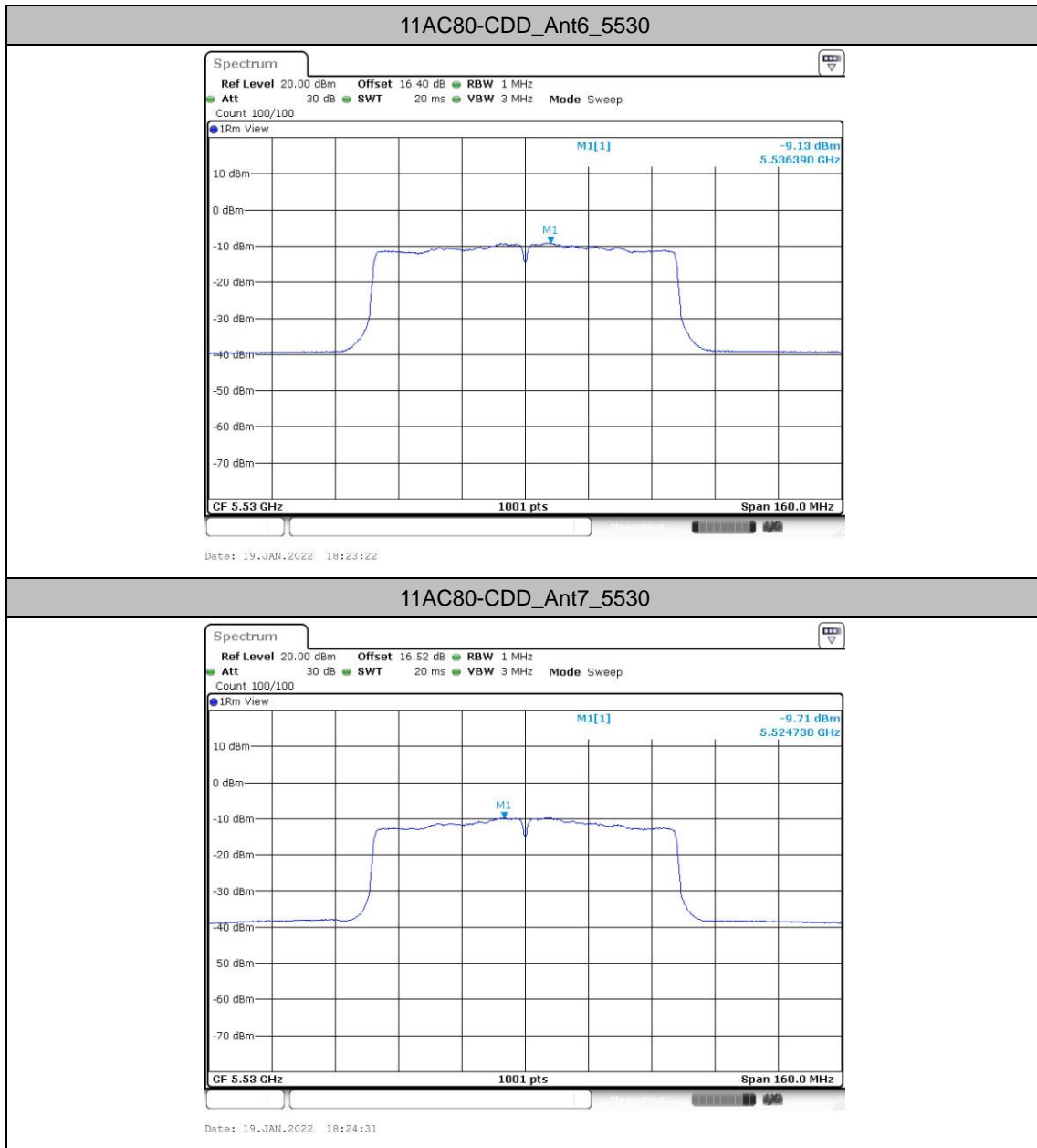


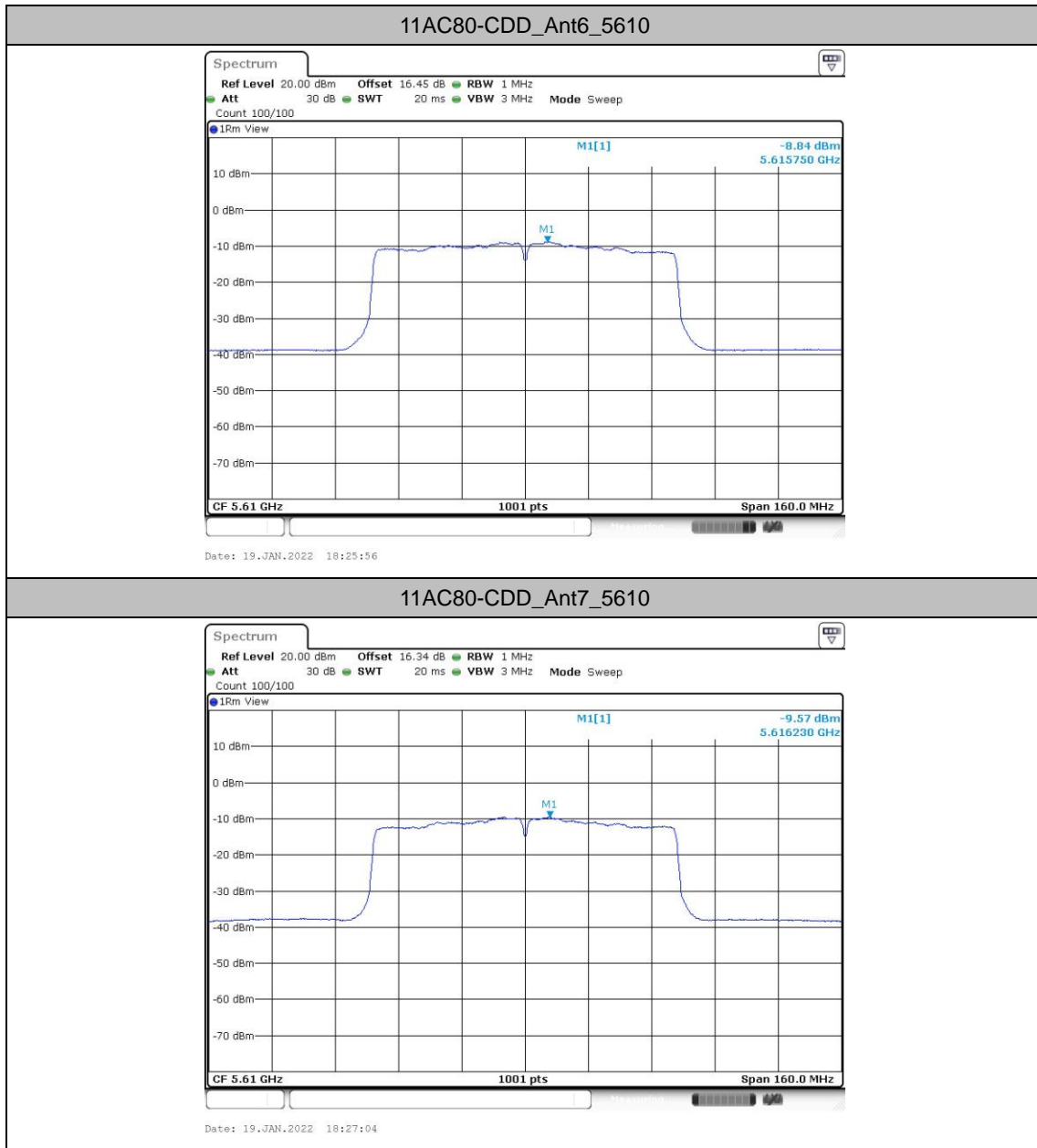
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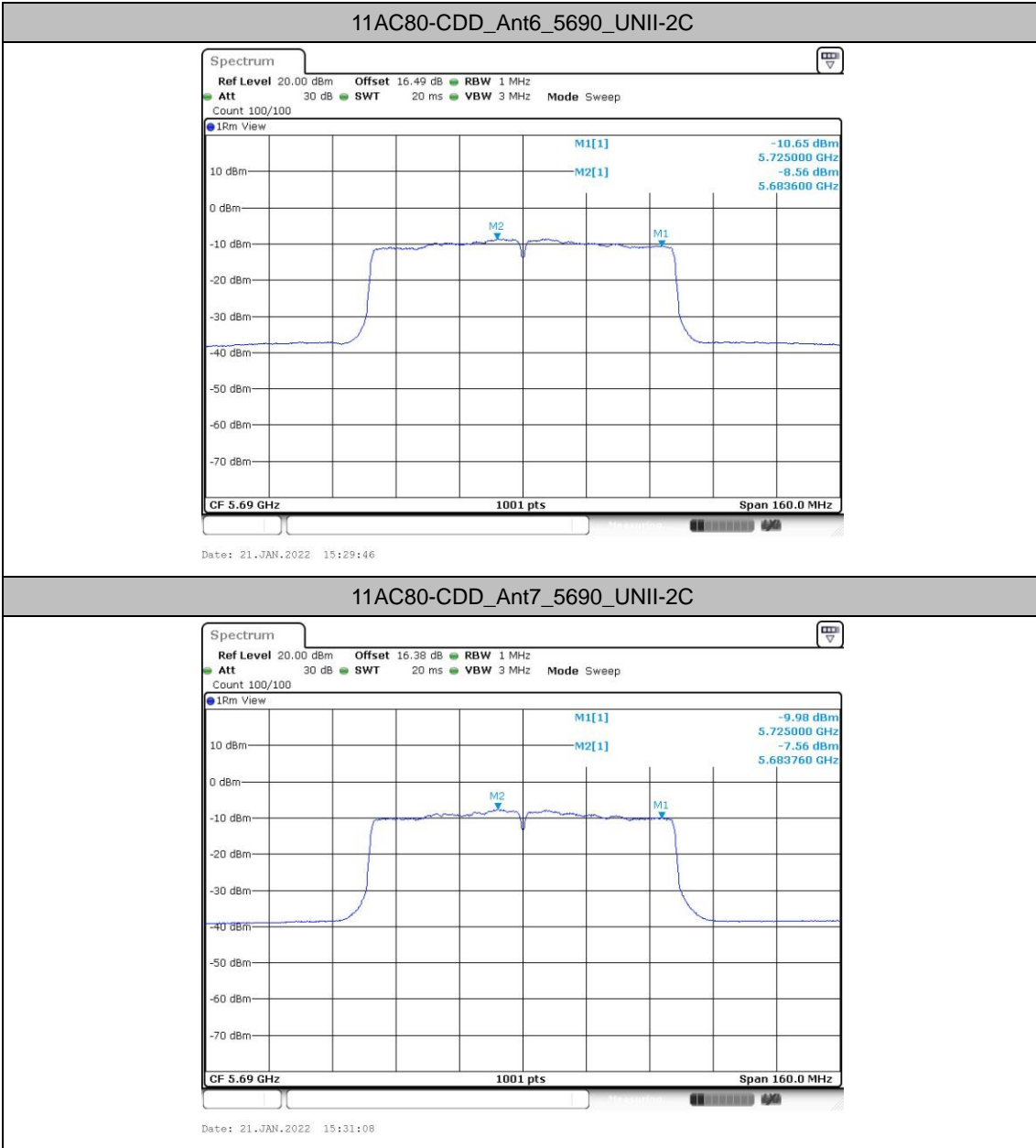






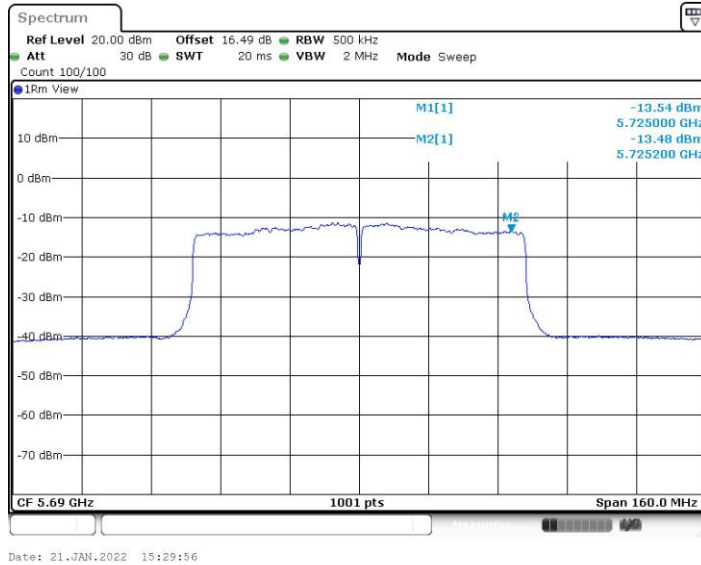




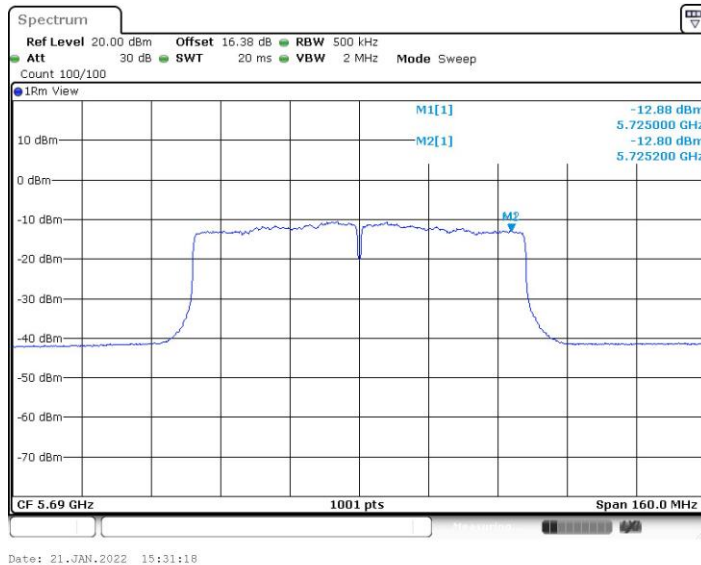




11AC80-CDD\_Ant6\_5690\_UNII-3



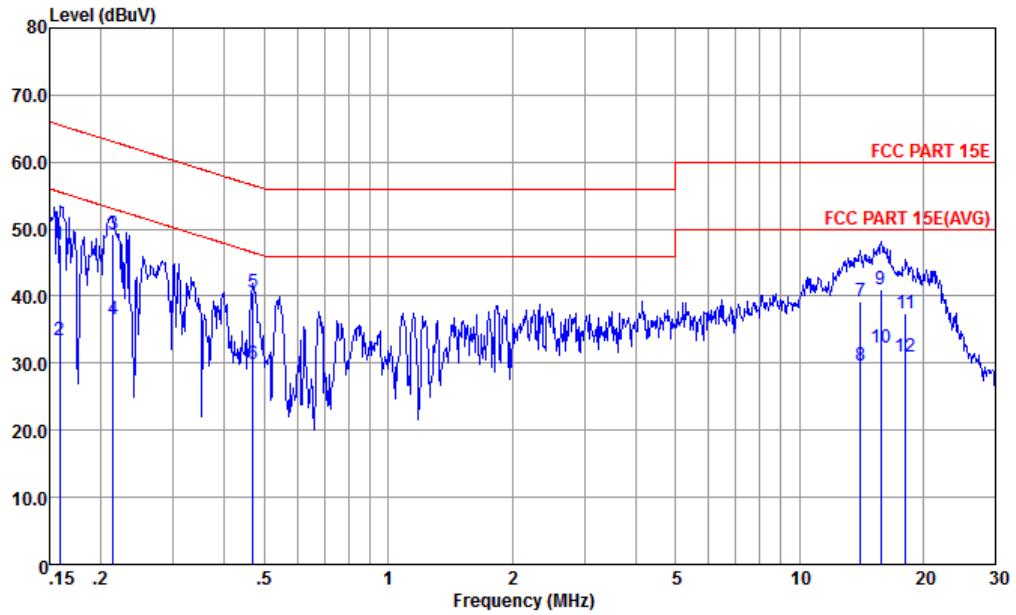
11AC80-CDD\_Ant7\_5690\_UNII-3





## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

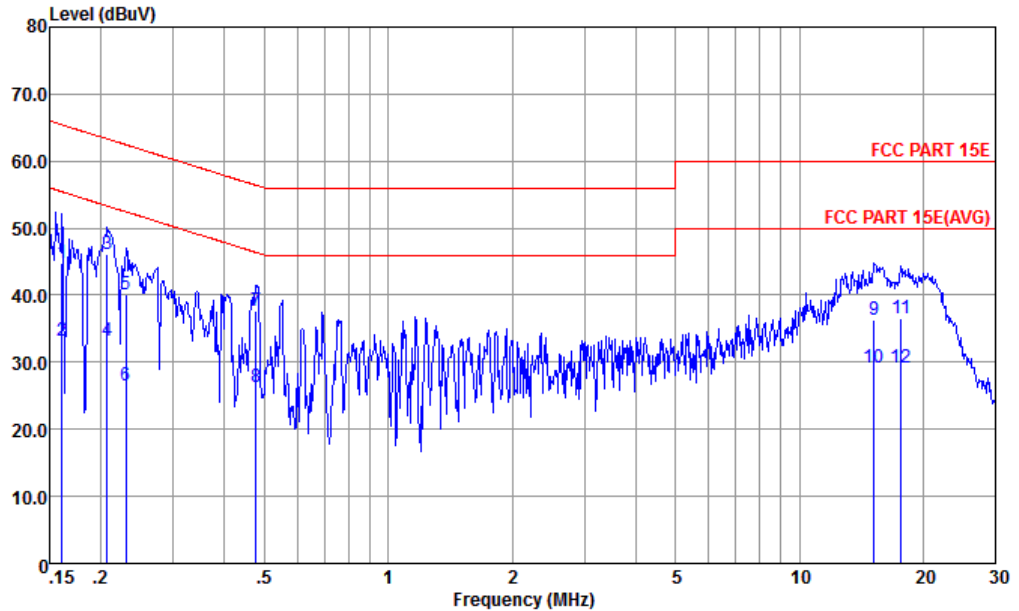


Site : CO01-KS  
 Condition : FCC PART 15E LISN-060105-L LINE

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.159	47.68	-17.84	65.52	37.20	0.02	10.46	QP
2	0.159	33.38	-22.14	55.52	22.90	0.02	10.46	Average
3 *	0.214	49.30	-13.75	63.05	38.90	0.05	10.35	QP
4	0.214	36.60	-16.45	53.05	26.20	0.05	10.35	Average
5	0.469	40.54	-16.00	56.54	30.20	0.10	10.24	QP
6	0.469	29.94	-16.60	46.54	19.60	0.10	10.24	Average
7	14.063	39.17	-20.83	60.00	28.49	0.29	10.39	QP
8	14.063	29.57	-20.43	50.00	18.89	0.29	10.39	Average
9	15.801	40.95	-19.05	60.00	30.21	0.33	10.41	QP
10	15.801	32.35	-17.65	50.00	21.61	0.33	10.41	Average
11	18.135	37.49	-22.51	60.00	26.61	0.42	10.46	QP
12	18.135	31.09	-18.91	50.00	20.21	0.42	10.46	Average



Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS  
 Condition : FCC PART 15E LISN-060105-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.161	44.76	-20.67	65.43	34.20	0.11	10.45	QP
2	0.161	33.16	-22.27	55.43	22.60	0.11	10.45	Average
3 *	0.207	46.06	-17.26	63.32	35.60	0.10	10.36	QP
4	0.207	33.26	-20.06	53.32	22.80	0.10	10.36	Average
5	0.230	40.04	-22.40	62.44	29.60	0.10	10.34	QP
6	0.230	26.54	-25.90	52.44	16.10	0.10	10.34	Average
7	0.476	37.55	-18.86	56.41	27.20	0.11	10.24	QP
8	0.476	26.25	-20.16	46.41	15.90	0.11	10.24	Average
9	15.226	36.21	-23.79	60.00	25.49	0.32	10.40	QP
10	15.226	29.21	-20.79	50.00	18.49	0.32	10.40	Average
11	17.661	36.48	-23.52	60.00	25.60	0.43	10.45	QP
12	17.661	29.18	-20.82	50.00	18.30	0.43	10.45	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)





## Appendix C. Radiated Spurious Emission

**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 36 5180MHz		5132.64	58.77	-15.23	74	44.92	35.01	10.63	31.79	145	198	P	H
		5141.6	50.86	-3.14	54	36.99	35.01	10.65	31.79	145	198	A	H
	*	5182	104.73	-	-	90.8	35.06	10.69	31.82	145	198	P	H
		5182	98.06	-	-	84.13	35.06	10.69	31.82	145	198	A	H
		5137.76	56.78	-17.22	74	42.93	35.01	10.63	31.79	349	274	P	V
		5141.6	48	-6	54	34.13	35.01	10.65	31.79	349	274	A	V
	*	5176	100.32	-	-	86.4	35.05	10.69	31.82	349	274	P	V
		5176	93.97	-	-	80.05	35.05	10.69	31.82	349	274	A	V
=Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

Table with 13 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for channels 36, 44, and 48 at frequencies 10355, 10443, and 10476 MHz.

Remark
1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11n HT20 CH 36 5180MHz and a Remark section.



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for channels 36, 44, and 48 at frequencies 10355, 10443, and 10476 MHz.



Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for 802.11ac VHT40 CH 38 5190MHz and a Remark section.



Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ac VHT40 CH 38 5190MHz and CH 46 5230MHz, plus a Remark section.



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5138.56	59.49	-14.51	74	45.64	35.01	10.63	31.79	167	31	P	H
		5139.84	50.72	-3.28	54	36.85	35.01	10.65	31.79	167	31	A	H
	*	5218	97.32	-	-	83.35	35.09	10.72	31.84	167	31	P	H
		5218	89.78	-	-	75.81	35.09	10.72	31.84	167	31	A	H
		5350	55.31	-18.69	74	41.24	35.22	10.78	31.93	167	31	P	H
		5358.42	46.42	-7.58	54	32.35	35.22	10.78	31.93	167	31	A	H
		5149.28	57.24	-16.76	74	43.37	35.03	10.65	31.81	192	26	P	V
		5145.12	47.82	-6.18	54	33.95	35.03	10.65	31.81	192	26	A	V
	*	5212	87.99	-	-	74.02	35.09	10.72	31.84	192	26	P	V
		5212	80.3	-	-	66.33	35.09	10.72	31.84	192	26	A	V
		5361.12	55.4	-18.6	74	41.32	35.22	10.79	31.93	192	26	P	V
		5387.76	45.86	-8.14	54	31.75	35.26	10.8	31.95	192	26	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		10421	47.82	-20.48	68.3	54.74	38.34	15.41	60.67	300	0	P	H
CH 42 5210MHz		10421	47.27	-21.03	68.3	54.19	38.34	15.41	60.67	100	0	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Includes a Remark section at the bottom.



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.13	-22.17	68.3	52.93	38.37	15.48	60.65	300	0	P	H
		10520	46.67	-21.63	68.3	53.47	38.37	15.48	60.65	100	0	P	V
802.11a CH 60 5300MHz		10600	46.43	-27.57	74	53.12	38.4	15.54	60.63	300	0	P	H
		10600	47.05	-26.95	74	53.74	38.4	15.54	60.63	100	0	P	V
802.11a CH 64 5320MHz		10641	47.31	-26.69	74	53.95	38.41	15.57	60.62	300	0	P	H
		10641	46.28	-27.72	74	52.92	38.41	15.57	60.62	100	0	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for 802.11ac VHT20 CH 64 5320MHz and a Remark section.



Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for channels 52, 60, and 64 at frequencies 10520, 10600, and 10641 MHz.



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for 802.11ac VHT40 CH 62 5310MHz and a Remark section.



Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for 802.11ac VHT40 CH 54 and CH 62 at 10542MHz and 10619MHz.



**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT80 CH 58 5290MHz		5109.76	56.64	-17.36	74	42.81	35	10.61	31.78	197	32	P	H
		5117.76	47.11	-6.89	54	33.28	35	10.61	31.78	197	32	A	H
	*	5272	97.22	-	-	83.22	35.14	10.74	31.88	197	32	P	H
		5272	89.71	-	-	75.71	35.14	10.74	31.88	197	32	A	H
		5357.2	59.11	-14.89	74	45.04	35.22	10.78	31.93	197	32	P	H
		5353.3	50.7	-3.3	54	36.63	35.22	10.78	31.93	197	32	A	H
		5108.64	55.81	-18.19	74	42	34.98	10.61	31.78	396	104	P	V
		5138.56	46.97	-7.03	54	33.12	35.01	10.63	31.79	396	104	A	V
	*	5296	93.21	-	-	79.17	35.16	10.76	31.88	396	104	P	V
		5296	84.75	-	-	70.71	35.16	10.76	31.88	396	104	A	V
		5374.7	55.81	-18.19	74	41.73	35.24	10.79	31.95	396	104	P	V
		5358.9	46.68	-7.32	54	32.61	35.22	10.78	31.93	396	104	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		10575	46.33	-21.97	68.3	53.05	38.39	15.52	60.63	300	0	P	H
CH 58 5290MHz		10575	46.89	-21.41	68.3	53.61	38.39	15.52	60.63	100	0	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5445.04	56.54	-17.46	74	42.35	35.31	10.86	31.98	169	186	P	H
		5461.68	59.47	-8.83	68.3	45.25	35.32	10.89	31.99	169	186	P	H
		5459.98	47.49	-6.51	54	33.27	35.32	10.89	31.99	169	186	A	H
	*	5500	109.52	-	-	95.21	35.35	10.97	32.01	169	186	P	H
		5500	102.22	-	-	87.91	35.35	10.97	32.01	169	186	A	H
		5451.6	55.76	-18.24	74	41.54	35.32	10.89	31.99	300	289	P	V
		5461.2	57.09	-11.21	68.3	42.87	35.32	10.89	31.99	300	289	P	V
		5459.98	45.83	-8.17	54	31.61	35.32	10.89	31.99	300	289	A	V
	*	5500	103.24	-	-	88.93	35.35	10.97	32.01	300	289	P	V
		5500	96	-	-	81.69	35.35	10.97	32.01	300	289	A	V
802.11a CH 140 5700MHz		5727.96	63.27	-5.03	68.3	48.44	35.62	11.25	32.04	162	184	P	H
	*	5698	110.16	-	-	95.42	35.58	11.22	32.06	162	184	P	H
		5698	103.05	-	-	88.31	35.58	11.22	32.06	162	184	A	H
		5738.6	59.56	-8.74	68.3	44.68	35.62	11.27	32.01	365	190	P	V
	*	5698	105.85	-	-	91.11	35.58	11.22	32.06	365	190	P	V
		5698	99.23	-	-	84.49	35.58	11.22	32.06	365	190	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include channels 100, 116, and 140 at various frequencies and antenna positions.

Remark
1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT20 CH 100 5500MHz		5459.6	60.58	-13.42	74	46.36	35.32	10.89	31.99	167	181	P	H
		5469.84	61.85	-6.45	68.3	47.58	35.34	10.92	31.99	167	181	P	H
		5459.98	47.5	-6.5	54	33.28	35.32	10.89	31.99	167	181	A	H
	*	5506	108.06	-	-	93.74	35.37	10.97	32.02	167	181	P	H
		5506	101.41	-	-	87.09	35.37	10.97	32.02	167	181	A	H
		5459.12	56.36	-17.64	74	42.14	35.32	10.89	31.99	300	288	P	V
		5461.84	56.73	-11.57	68.3	42.51	35.32	10.89	31.99	300	288	P	V
		5452.56	46.08	-7.92	54	31.86	35.32	10.89	31.99	300	288	A	V
	*	5494	102.89	-	-	88.61	35.35	10.94	32.01	300	288	P	V
	5494	95.87	-	-	81.59	35.35	10.94	32.01	300	288	A	V	
802.11ac VHT20 CH 140 5700MHz		5733.32	63.16	-5.14	68.3	48.3	35.62	11.25	32.01	136	179	P	H
	*	5704	110	-	-	95.25	35.58	11.23	32.06	136	179	P	H
		5704	102.95	-	-	88.2	35.58	11.23	32.06	136	179	A	H
		5726.84	60.33	-7.97	68.3	45.5	35.62	11.25	32.04	184	187	P	V
	*	5704	104.61	-	-	89.86	35.58	11.23	32.06	184	187	P	V
	5704	97.79	-	-	83.04	35.58	11.23	32.06	184	187	A	V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for channels 100, 116, and 140.



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT40 CH 102 5510MHz		5458	60.05	-13.95	74	45.83	35.32	10.89	31.99	212	1	P	H
		5470	64.1	-4.2	68.3	49.83	35.34	10.92	31.99	212	1	P	H
		5459.12	50.31	-3.69	54	36.09	35.32	10.89	31.99	212	1	A	H
	*	5512	104.92	-	-	90.6	35.37	10.97	32.02	212	1	P	H
		5512	98	-	-	83.68	35.37	10.97	32.02	212	1	A	H
		5763.32	57.42	-10.88	68.3	42.45	35.67	11.29	31.99	212	1	P	H
		5458.96	56.5	-17.5	74	42.28	35.32	10.89	31.99	287	356	P	V
		5469.68	58.98	-9.32	68.3	44.71	35.34	10.92	31.99	287	356	P	V
		5459.44	47.28	-6.72	54	33.06	35.32	10.89	31.99	287	356	A	V
	*	5506	101.11	-	-	86.79	35.37	10.97	32.02	287	356	P	V
		5506	93.59	-	-	79.27	35.37	10.97	32.02	287	356	A	V
		5758.76	57.02	-11.28	68.3	42.05	35.67	11.29	31.99	287	356	P	V
802.11ac VHT40 CH 134 5670MHz		5452.88	55.07	-18.93	74	40.85	35.32	10.89	31.99	213	0	P	H
		5466	55.36	-12.94	68.3	41.11	35.32	10.92	31.99	213	0	P	H
		5441.84	45.96	-8.04	54	31.77	35.31	10.86	31.98	213	0	A	H
	*	5674	107.39	-	-	92.72	35.55	11.2	32.08	213	0	P	H
		5674	99.89	-	-	85.22	35.55	11.2	32.08	213	0	A	H
		5731.16	60.41	-7.89	68.3	45.55	35.62	11.25	32.01	213	0	P	H
		5406.64	55.36	-18.64	74	41.24	35.27	10.81	31.96	257	355	P	V
		5460.24	56.55	-11.75	68.3	42.33	35.32	10.89	31.99	257	355	P	V
		5447.92	45.9	-8.1	54	31.68	35.31	10.89	31.98	257	355	A	V
	*	5674	103.97	-	-	89.3	35.55	11.2	32.08	257	355	P	V
	5674	96.73	-	-	82.06	35.55	11.2	32.08	257	355	A	V	
	5739.72	58.39	-9.91	68.3	43.48	35.65	11.27	32.01	257	355	P	V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for channels 102, 110, and 134.



**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT80 CH 106 5530MHz		5459.92	58.15	-15.85	74	43.93	35.32	10.89	31.99	292	30	P	H
		5463.6	59.72	-8.58	68.3	45.47	35.32	10.92	31.99	292	30	P	H
		5460	50.62	-3.38	54	36.4	35.32	10.89	31.99	292	30	A	H
	*	5524	100.77	-	-	86.4	35.39	11	32.02	292	30	P	H
		5524	92.94	-	-	78.57	35.39	11	32.02	292	30	A	H
		5751.96	56.6	-11.7	68.3	41.67	35.65	11.29	32.01	292	30	P	H
		5429.84	55.67	-18.33	74	41.5	35.29	10.86	31.98	270	0	P	V
		5460.72	55.41	-12.89	68.3	41.19	35.32	10.89	31.99	270	0	P	V
		5457.36	47.92	-6.08	54	33.7	35.32	10.89	31.99	270	0	A	V
	*	5536	97.01	-	-	82.63	35.4	11.02	32.04	270	0	P	V
		5536	89.22	-	-	74.84	35.4	11.02	32.04	270	0	A	V
		5744.92	56.69	-11.61	68.3	41.78	35.65	11.27	32.01	270	0	P	V
802.11ac VHT80 CH 122 5610MHz		5356.08	56.09	-17.91	74	42.02	35.22	10.78	31.93	271	26	P	H
		5469.04	57.16	-11.14	68.3	42.89	35.34	10.92	31.99	271	26	P	H
		5458.48	47.15	-6.85	54	32.93	35.32	10.89	31.99	271	26	A	H
	*	5602	104.55	-	-	90.04	35.45	11.13	32.07	271	26	P	H
		5602	96.66	-	-	82.15	35.45	11.13	32.07	271	26	A	H
		5725.72	60.14	-8.16	68.3	45.31	35.62	11.25	32.04	271	26	P	H
		5418	55.03	-18.97	74	40.86	35.29	10.84	31.96	263	1	P	V
		5469.2	55.34	-12.96	68.3	41.07	35.34	10.92	31.99	263	1	P	V
		5459.28	46.46	-7.54	54	32.24	35.32	10.89	31.99	263	1	A	V
	*	5620	100.93	-	-	86.39	35.47	11.15	32.08	263	1	P	V
	5620	93.09	-	-	78.55	35.47	11.15	32.08	263	1	A	V	
	5743.32	57.77	-10.53	68.3	42.86	35.65	11.27	32.01	263	1	P	V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ac VHT80 CH 106 5530MHz and CH 122 5610MHz, plus a Remark section.





Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

Table with 14 columns: WIFI, Note, Frequency, Level, Over, Limit, Read, Antenna, Path, Preamp, Ant, Table, Peak, Pol. It contains test results for 802.11a CH 144 at 5720MHz and a Remark section.



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). It contains two rows of test data and a 'Remark' section with two points.



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	5716	107.97	-	-	93.18	35.6	11.23	32.04	300	0	P	H
VHT20		5716	100.01	-	-	85.22	35.6	11.23	32.04	300	0	A	H
CH 144	*	5722	105.2	-	-	90.39	35.6	11.25	32.04	100	0	P	V
5720MHz		5722	95.35	-	-	80.54	35.6	11.25	32.04	100	0	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT20 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac VHT20 CH 144 5720MHz and a Remark section.



Band 3 - Straddle Channel
WIFI 802.11ac VHT40 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac VHT40, CH 142, and 5710MHz. A Remark section follows with two points: 1. No other spurious found. 2. All results are PASS against Peak and Average limit line.



Band 3 - Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ac VHT40 CH 142 5710MHz and a Remark section.



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac VHT80 and CH 138 5690MHz with various test parameters and a Remark section at the bottom.



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 6+7, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11ac VHT80 and CH 138 5690MHz, and a Remark section.





Emission below 1GHz
WIFI 802.11a (LF @ 3m)

Table with 14 columns: WIFI, Note, Frequency, Level, Over, Limit, Read, Antenna, Path, Preamp, Ant, Table, Peak, Pol. It contains 12 rows of test data for 802.11a LF and a Remark section at the bottom.



Co-location:

WWAN LTE 41 Link + WLAN 5GHz 11a CH36(Ant.6) + BLE 2Mbps CH39(Ant.6)

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 36 5180MHz		5147.84	58.08	-15.92	74	44.21	35.03	10.65	31.81	190	24	P	H
		5141.6	50.27	-3.73	54	36.4	35.01	10.65	31.79	190	24	A	H
		5176	100.86	-	-	86.94	35.05	10.69	31.82	190	24	P	H
		5176	93.8	-	-	79.88	35.05	10.69	31.82	190	24	A	H
		5142.24	57.62	-16.38	74	43.75	35.01	10.65	31.79	263	87	P	V
		5141.6	49.28	-4.72	54	35.41	35.01	10.65	31.79	263	87	A	V
		5182	99.72	-	-	85.79	35.06	10.69	31.82	263	87	P	V
		5182	92.4	-	-	78.47	35.06	10.69	31.82	263	87	A	V
BLE CH 39 2480MHz		2483.62	54.89	-19.11	74	49.13	31.13	7.27	32.64	166	69	P	H
		2483.5	46.66	-7.34	54	40.9	31.13	7.27	32.64	166	69	A	H
		2480	102.28	-	-	96.52	31.13	7.27	32.64	166	69	P	H
		2480	101.14	-	-	95.38	31.13	7.27	32.64	166	69	A	H
		2484.76	55.08	-18.92	74	49.32	31.13	7.27	32.64	301	106	P	V
		2483.5	44.86	-9.14	54	39.1	31.13	7.27	32.64	301	106	A	V
		2480	97.67	-	-	91.91	31.13	7.27	32.64	301	106	P	V
		2480	97.05	-	-	91.29	31.13	7.27	32.64	301	106	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
WWAN+WLAN+BLE		4965	41.89	-32.11	74	56.66	34.81	10.43	60.01	300	0	P	H
		7440	44.23	-29.77	74	55.3	36.59	12.88	60.54	300	0	P	H
		10355	46.17	-22.13	68.3	53.18	38.31	15.36	60.68	300	0	P	H
		4965	42.32	-31.68	74	57.09	34.81	10.43	60.01	100	0	P	V
		7440	44.53	-29.47	74	55.6	36.59	12.88	60.54	100	0	P	V
		10355	46.05	-22.25	68.3	53.06	38.31	15.36	60.68	100	0	P	V
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol>												



**Co-location:**

WWAN LTE 41 Link + WLAN 5GHz 11a CH36(Ant.7) + BLE 2Mbps CH39(Ant.6)

**Band 1 - 5150~5250MHz**

**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 36 5180MHz		5126.72	55.96	-18.04	74	42.11	35.01	10.63	31.79	121	336	P	H
		5111.2	45.61	-8.39	54	31.78	35	10.61	31.78	121	336	A	H
		5182	92.44	-	-	78.51	35.06	10.69	31.82	121	336	P	H
		5182	84.95	-	-	71.02	35.06	10.69	31.82	121	336	A	H
		5131.68	56.12	-17.88	74	42.27	35.01	10.63	31.79	300	310	P	V
		5115.68	45.55	-8.45	54	31.72	35	10.61	31.78	300	310	A	V
		5182	90.04	-	-	76.11	35.06	10.69	31.82	300	310	P	V
		5182	82.71	-	-	68.78	35.06	10.69	31.82	300	310	A	V
BLE CH 39 2480MHz		2500	54.2	-19.8	74	48.3	31.17	7.3	32.57	162	69	P	H
		2483.5	47.98	-6.02	54	42.22	31.13	7.27	32.64	162	69	A	H
		2480	103.12	-	-	97.36	31.13	7.27	32.64	162	69	P	H
		2480	102.62	-	-	96.86	31.13	7.27	32.64	162	69	A	H
		2499.1	54.59	-19.41	74	48.69	31.17	7.3	32.57	400	88	P	V
		2483.5	45.79	-8.21	54	40.03	31.13	7.27	32.64	400	88	A	V
		2480	95.9	-	-	90.14	31.13	7.27	32.64	400	88	P	V
		2480	95.21	-	-	89.45	31.13	7.27	32.64	400	88	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
WWAN+WLAN+BLE		4965	42.3	-31.7	74	57.07	34.81	10.43	60.01	300	0	P	H
		7440	44.06	-29.94	74	55.13	36.59	12.88	60.54	300	0	P	H
		10388	45.97	-22.33	68.3	52.92	38.33	15.39	60.67	300	0	P	H
		4965	41.69	-32.31	74	56.46	34.81	10.43	60.01	100	0	P	V
		7440	45.58	-28.42	74	56.65	36.59	12.88	60.54	100	0	P	V
		10388	45.8	-22.5	68.3	52.75	38.33	15.39	60.67	100	0	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Co-location:**

WWAN LTE 41 Link + WLAN 5GHz 11a CH36(Ant.6+7) + BLE 2Mbps CH39(Ant.6)

**Band 1 - 5150~5250MHz**

**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 36 5180MHz		5134.56	56.27	-17.73	74	42.42	35.01	10.63	31.79	100	3	P	H
		5141.6	46.97	-7.03	54	33.1	35.01	10.65	31.79	100	3	A	H
		5182	95.75	-	-	81.82	35.06	10.69	31.82	100	3	P	H
		5182	89.21	-	-	75.28	35.06	10.69	31.82	100	3	A	H
		5106.72	55.79	-18.21	74	41.98	34.98	10.61	31.78	110	354	P	V
		5141.6	45.59	-8.41	54	31.72	35.01	10.65	31.79	110	354	A	V
		5182	92	-	-	78.07	35.06	10.69	31.82	110	354	P	V
		5182	84.45	-	-	70.52	35.06	10.69	31.82	110	354	A	V
BLE CH 39 2480MHz		2483.74	55.26	-18.74	74	49.5	31.13	7.27	32.64	354	333	P	H
		2483.5	43.64	-10.36	54	37.88	31.13	7.27	32.64	354	333	A	H
		2480	94.04	-	-	88.28	31.13	7.27	32.64	354	333	P	H
		2480	93.28	-	-	87.52	31.13	7.27	32.64	354	333	A	H
		2493.34	54.37	-19.63	74	48.47	31.17	7.3	32.57	226	118	P	V
		2483.5	43.53	-10.47	54	37.77	31.13	7.27	32.64	226	118	A	V
		2480	93.09	-	-	87.33	31.13	7.27	32.64	226	118	P	V
		2480	92.35	-	-	86.59	31.13	7.27	32.64	226	118	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
WWAN+WLAN+BLE		4965	49.91	-24.09	74	64.68	34.81	10.43	60.01	300	0	P	H
		7440	44.41	-29.59	74	55.48	36.59	12.88	60.54	300	0	P	H
		10355	45.94	-22.36	68.3	52.95	38.31	15.36	60.68	300	0	P	H
		15503	54.71	-19.29	74	54.57	40.78	19.19	59.83	127	45	P	H
		15503	43.64	-10.36	54	43.5	40.78	19.19	59.83	127	46	A	H
		4965	49.91	-24.09	74	64.68	34.81	10.43	60.01	300	0	P	V
		7440	44.41	-29.59	74	55.48	36.59	12.88	60.54	300	0	P	V
		10355	46.36	-21.94	68.3	53.37	38.31	15.36	60.68	100	0	P	V
		15503	54.61	-19.39	74	54.47	40.78	19.19	59.83	100	47	P	V
		15503	44.35	-9.65	54	44.21	40.78	19.19	59.83	100	47	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

Note symbol

*	<b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is <b>over limit</b> line.
P/A	<b>Peak</b> or <b>Average</b>
H/V	<b>Horizontal</b> or <b>Vertical</b>





A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
2. Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



## Appendix D. Radiated Spurious Emission Plots

### Note symbol

-L	Low channel location
-R	High channel location



**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

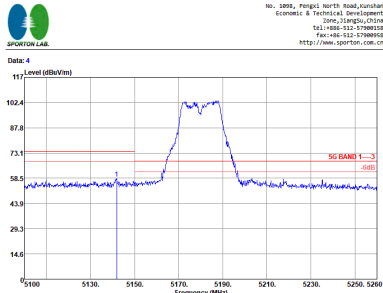
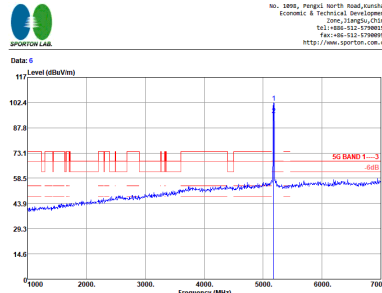
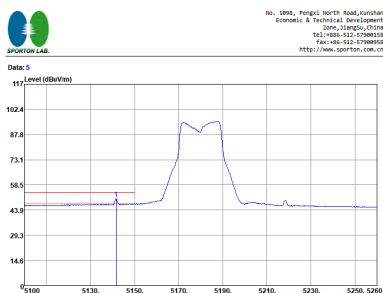
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Horizontal	Fundamental
<b>Peak</b>	<p><b>Peak</b></p>	<p><b>Peak</b></p>
<b>Avg.</b>	<p><b>Avg.</b></p>	<p><b>Left blank</b></p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m																																																																																			
ANT	802.11a CH36 5180MHz																																																																																			
6+7	Vertical	Fundamental																																																																																		
<p><b>Peak</b></p>	<p>Site : 83086-KS          Condition : 5G BAND 1----3 3m 3117 SM 00218642 VERTICAL          Project : RBH:1800.000Hz VBI:3000.000Hz SWF:Auto          Model : FR1D0310          Plane : Y          Mode : V          IMEI : Single-directivity          Powersetting : 14</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>CableAntenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB</th> <th>dB/m</th> <th>dB</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5137.76</td> <td>56.78</td> <td>-17.22</td> <td>74.00</td> <td>42.93</td> <td>10.63</td> <td>35.83</td> <td>31.79</td> <td>349</td> <td>274</td> <td>Peak</td> </tr> </tbody> </table>	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level	Loss	Factor	Factor	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB	1	5137.76	56.78	-17.22	74.00	42.93	10.63	35.83	31.79	349	274	Peak	<p>Site : 83086-KS          Condition : 5G BAND 1----3 3m 3117 SM 00218642 VERTICAL          Project : RBH:1800.000Hz VBI:3000.000Hz SWF:Auto          Model : FR1D0310          Plane : Y          Mode : V          IMEI : Single-directivity          Powersetting : 14</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>CableAntenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB</th> <th>dB/m</th> <th>dB</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5176.00</td> <td>100.32</td> <td>32.02</td> <td>68.30</td> <td>10.69</td> <td>35.85</td> <td>31.62</td> <td>349</td> <td>274</td> <td>Peak</td> </tr> <tr> <td>2</td> <td>5176.00</td> <td>93.97</td> <td>.....</td> <td>89.05</td> <td>10.69</td> <td>35.85</td> <td>31.62</td> <td>349</td> <td>274</td> <td>Average</td> </tr> </tbody> </table>	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level	Loss	Factor	Factor	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB	1	5176.00	100.32	32.02	68.30	10.69	35.85	31.62	349	274	Peak	2	5176.00	93.97	.....	89.05	10.69	35.85	31.62	349	274	Average
Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark																																																																													
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<p><b>Avg.</b></p>	<p>Site : 83086-KS          Condition : 5G BAND 1----3 (Ave) 3m 3117 SM 00218642 VERTICAL          Project : RBH:1800.000Hz VBI:3000.000Hz SWF:Auto          Model : FR1D0310          Plane : Y          Mode : V          IMEI : Single-directivity          Powersetting : 14</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>CableAntenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB</th> <th>dB/m</th> <th>dB</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5141.60</td> <td>48.00</td> <td>-6.00</td> <td>54.00</td> <td>34.13</td> <td>10.65</td> <td>35.83</td> <td>31.79</td> <td>349</td> <td>274</td> <td>Average</td> </tr> </tbody> </table>	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level	Loss	Factor	Factor	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB	1	5141.60	48.00	-6.00	54.00	34.13	10.65	35.83	31.79	349	274	Average	<p><b>Left blank</b></p>																																														
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**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m																																																																				
ANT	802.11ac VHT20 CH36 5180MHz																																																																				
6+7	Horizontal	Fundamental																																																																			
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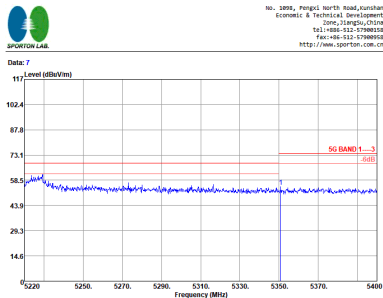
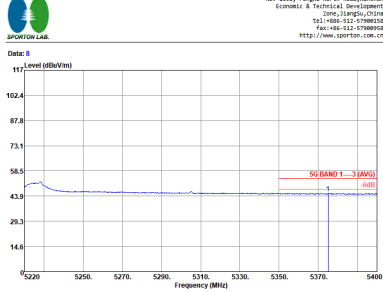
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