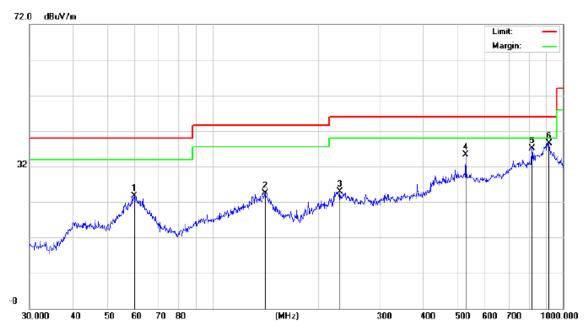




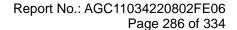
Radiated emission from 30MHz to 1000MHz

EUT	T Video Doorbell Model Name		Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Horizontal



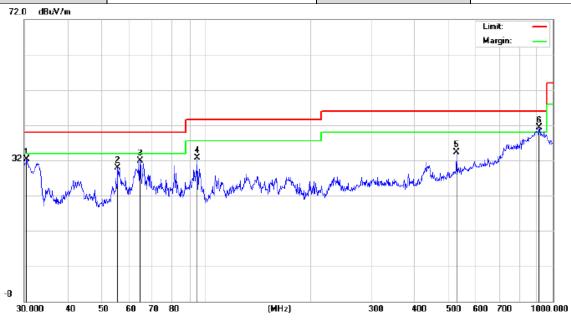
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector
1		59.8588	5.37	18.37	23.74	40.00	-16.26	peak
2		141.3298	7.03	17.41	24.44	43.50	-19.06	peak
3		230.9068	7.77	17.11	24.88	46.00	-21.12	peak
4		528.2458	11.69	23.71	35.40	46.00	-10.60	peak
5		815.9678	9.02	28.12	37.14	46.00	-8.86	peak
6	*	912.8620	7.35	31.24	38.59	46.00	-7.41	peak

RESULT: PASS

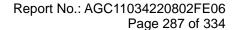




EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Vertical

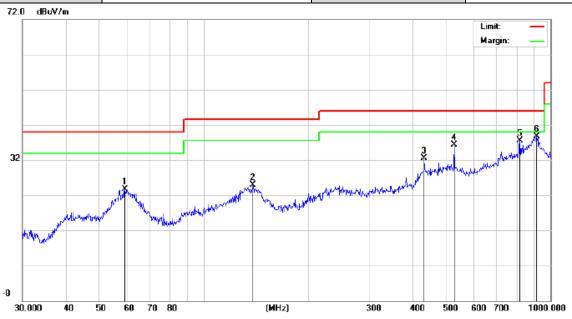


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector
1		30.5306	19.08	13.18	32.26	40.00	-7.74	peak
2		55.8047	13.49	16.40	29.89	40.00	-10.11	peak
3		64.6594	13.95	17.98	31.93	40.00	-8.07	peak
4		94.4284	17.60	15.11	32.71	43.50	-10.79	peak
5		528.2458	11.46	22.83	34.29	46.00	-11.71	peak
6	*	912.8620	7.16	34.24	41.40	46.00	-4.60	peak





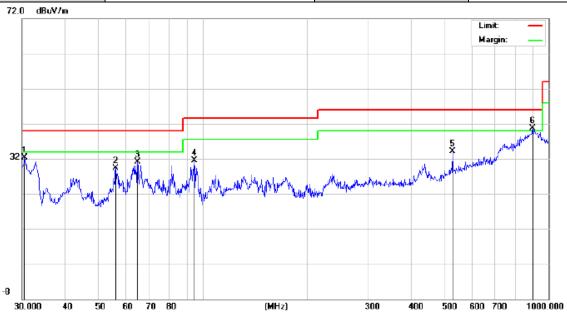
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5260MHz	Antenna	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector
1		59.2325	5.88	17.89	23.77	40.00	-16.23	peak
2		138.8735	7.28	17.55	24.83	43.50	-18.67	peak
3		432.5457	12.15	20.41	32.56	46.00	-13.44	peak
4		528.2458	12.62	23.71	36.33	46.00	-9.67	peak
5		815.9678	9.37	28.12	37.49	46.00	-8.51	peak
6	*	912.8620	7.55	31.24	38.79	46.00	-7.21	peak



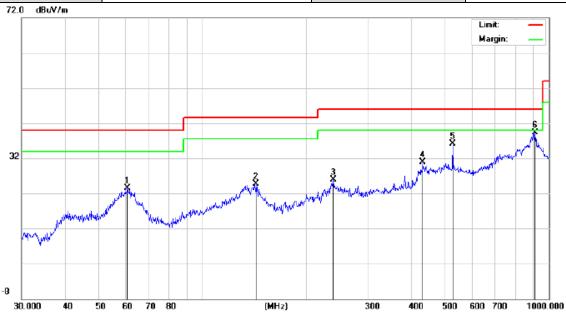
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5260MHz	Antenna	Vertical



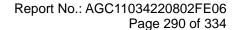
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector
1		30.5306	19.16	13.18	32.34	40.00	-7.66	peak
2		56.0007	12.77	16.47	29.24	40.00	-10.76	peak
3		64.6594	13.22	17.98	31.20	40.00	-8.80	peak
4		94.4284	16.34	15.11	31.45	43.50	-12.05	peak
5		528.2458	11.22	22.83	34.05	46.00	-11.95	peak
6	*	900.1474	6.06	34.64	40.70	46.00	-5.30	peak



EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5500MHz	Antenna	Horizontal

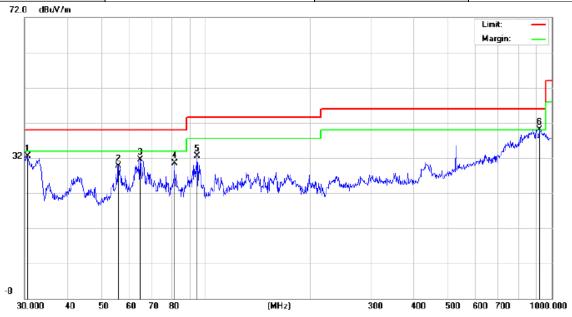


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBuV/m	dB/m	dB	Detector
1		60.7044	5.64	17.96	23.60	40.00	-16.40	peak
2		142.3243	7.53	17.24	24.77	43.50	-18.73	peak
3		238.3102	7.62	18.37	25.99	46.00	-20.01	peak
4		432.5457	10.45	20.41	30.86	46.00	-15.14	peak
5		528.2458	12.40	23.71	36.11	46.00	-9.89	peak
6	*	912.8620	8.15	31.24	39.39	46.00	-6.61	peak





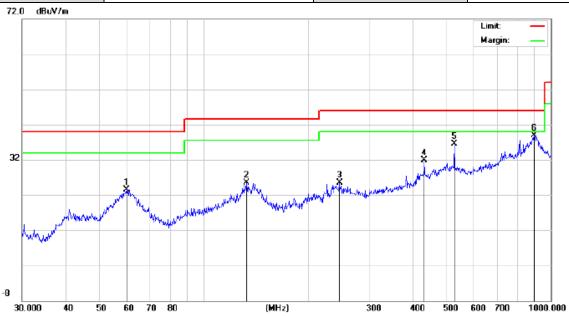
EUT	I Video Doorbell I Model Name		Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5500MHz	Antenna	Vertical



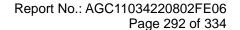
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector
1		30.6379	19.38	13.18	32.56	40.00	-7.44	peak
2		56.0007	13.21	16.47	29.68	40.00	-10.32	peak
3		64.6594	13.62	17.98	31.60	40.00	-8.40	peak
4		81.2117	14.59	15.94	30.53	40.00	-9.47	peak
5		94.4284	17.42	15.11	32.53	43.50	-10.97	peak
6	*	919.2866	6.01	34.05	40.06	46.00	-5.94	peak



EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5745MHz	Antenna	Horizontal

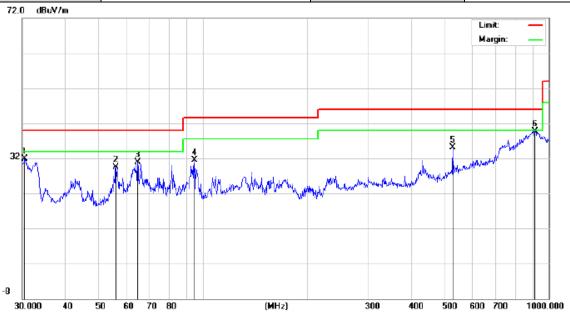


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector
1		60.0691	5.17	18.43	23.60	40.00	-16.40	peak
2		132.6850	8.42	17.03	25.45	43.50	-18.05	peak
3		245.9509	6.91	18.56	25.47	46.00	-20.53	peak
4		432.5457	11.57	20.41	31.98	46.00	-14.02	peak
5		528.2458	12.89	23.71	36.60	46.00	-9.40	peak
6	*	893.8567	7.40	31.60	39.00	46.00	-7.00	peak





EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5745MHz	Antenna	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV/m	dB/m	dB	Detector
1		30.5306	18.80	13.18	31.98	40.00	-8.02	peak
2		56.0007	12.94	16.47	29.41	40.00	-10.59	peak
3		64.6594	12.85	17.98	30.83	40.00	-9.17	peak
4		94.4284	16.48	15.11	31.59	43.50	-11.91	peak
5		528.2458	12.36	22.83	35.19	46.00	-10.81	peak
6	*	912.8620	5.47	34.24	39.71	46.00	-6.29	peak

Note: All test channels had been tested. The 802.11a20 at 5180MHz, 5260MHz, 5500MHz and 5745MHz are the worst case and recorded in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.



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Radiated emission above 1GHz

EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type			
10360.042	47.36	9.14	56.50	68.20	-11.70	peak			
15540.063	41.09	10.22	51.31	74.00	-22.69	peak			
15540.063	31.58	10.22	41.80	54.00	-12.20	AVG			
Remark:	Remark:								
Factor = Anter	Factor = Antenna Factor + Cable Loss – Pre-amplifier.								

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	- Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type			
10360.042	47.63	9.14	56.77	68.20	-11.43	peak			
15540.063	42.39	10.22	52.61	74.00	-21.39	peak			
15540.063	31.49	10.22	41.71	54.00	-12.29	AVG			
Remark:									
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5200MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type		
10400.042	47.61	9.14	56.75	68.20	-11.45	peak		
15600.063	42.39	10.22	52.61	74.00	-21.39	peak		
15600.063	33.74	10.22	43.96	54.00	-10.04	AVG		
Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.								

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type				
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type				
10400.042	47.63	9.14	56.77	68.20	-11.43	peak				
15600.063	41.49	10.22	51.71	74.00	-22.29	peak				
15600.063	32.57	10.22	42.79	54.00	-11.21	AVG				
Remark:	Remark:									
Factor = Anter	Factor = Antenna Factor + Cable Loss – Pre-amplifier.									



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5240MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type			
10480.042	48.19	9.27	57.46	68.20	-10.74	peak			
15720.063	43.15	10.38	53.53	74.00	-20.47	peak			
15720.063	33.49	10.38	43.87	54.00	-10.13	AVG			
Remark:									
Factor = Anter	Factor = Antenna Factor + Cable Loss – Pre-amplifier.								

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type		
10480.042	47.11	9.27	56.38	68.20	-11.82	peak		
15720.063	42.36	10.38	52.74	74.00	-21.26	peak		
15720.063	32.94	10.38	43.32	54.00	-10.68	AVG		
Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.								



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5260MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type			
10520.044	48.63	9.29	57.92	68.20	-10.28	peak			
15780.066	41.59	10.42	52.01	74.00	-21.99	peak			
15780.066	33.64	10.42	44.06	54.00	-9.94	AVG			
Remark:	Remark:								
Factor = Anter	Factor = Antenna Factor + Cable Loss – Pre-amplifier.								

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type			
10520.044	46.25	9.29	55.54	68.20	-12.66	peak			
15780.066	41.36	10.42	51.78	74.00	-22.22	peak			
15780.066	42.69	10.42	53.11	54.00	-0.89	AVG			
Remark:	Remark:								
Factor = Anten	na Factor + Cabl	Factor = Antenna Factor + Cable Loss – Pre-amplifier.							



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5300MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10600.044	47.36	9.31	56.67	74.00	-17.33	peak
10600.044	37.64	9.31	46.95	54.00	-7.05	AVG
15900.066	42.19	10.44	52.63	74.00	-21.37	peak
15900.066	32.69	10.44	43.13	54.00	-10.87	AVG
Remark:						
actor = Anter	nna Factor + Cabl	e Loss – Pre-a	mplifier.			

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type			
10600.044	47.69	9.31	57.00	74.00	-17.00	peak			
10600.044	36.97	9.31	46.28	54.00	-7.72	AVG			
15780.066	42.19	10.44	52.63	74.00	-21.37	peak			
15780.066	33.97	10.44	44.41	54.00	-9.59	AVG			
Remark:	Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5320MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type		
10640.044	47.25	9.35	56.60	74.00	-17.40	peak		
10640.044	38.12	9.35	47.47	54.00	-6.53	AVG		
15960.066	42.15	10.46	52.61	74.00	-21.39	peak		
15960.066	32.97	10.46	43.43	54.00	-10.57	AVG		
Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.								

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type			
10640.044	47.96	9.35	57.31	74.00	-16.69	peak			
10640.044	37.91	9.35	47.26	54.00	-6.74	AVG			
15960.066	43.15	10.46	53.61	74.00	-20.39	peak			
15960.066	32.64	10.46	43.10	54.00	-10.90	AVG			
Remark:	Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5500MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type			
11000.044	48.26	9.37	57.63	74.00	-16.37	peak			
11000.044	38.64	9.37	48.01	54.00	-5.99	AVG			
16500.066	41.26	10.48	51.74	68.20	-16.46	peak			
Remark:	Remark:								
Factor = Anter	Factor = Antenna Factor + Cable Loss – Pre-amplifier.								

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11000.044	47.26	9.37	56.63	74.00	-17.37	peak
11000.044	36.55	9.37	45.92	54.00	-8.08	AVG
16500.066	42.13	10.48	52.61	68.20	-15.59	peak
Remark:						
Factor = Anten	na Factor + Cabl	e Loss – Pre-ar	mplifier.			



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5600MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11200.044	48.63	9.38	58.01	74.00	-15.99	peak
11200.044	39.64	9.38	49.02	54.00	-4.98	AVG
16800.066	42.15	10.49	52.64	68.20	-15.56	peak
Remark:						
Factor = Anter	na Factor + Cabl	e Loss – Pre-a	mplifier.			

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11200.044	48.63	9.38	58.01	74.00	-15.99	peak
11200.044	39.64	9.38	49.02	54.00	-4.98	AVG
16800.066	42.15	10.49	52.64	68.20	-15.56	peak
Remark:						
Factor = Anten	na Factor + Cabl	e Loss – Pre-ar	mplifier.			



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5700MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11400.044	48.63	9.39	58.02	74.00	-15.98	peak
11400.044	35.28	9.39	44.67	54.00	-9.33	AVG
17100.066	42.16	10.49	52.65	68.20	-15.55	peak
Remark:						
Factor = Anten	na Factor + Cabl	e Loss – Pre-ai	mplifier.			

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11400.044	47.63	9.39	57.02	74.00	-16.98	peak
11400.044	36.28	9.39	45.67	54.00	-8.33	AVG
17100.066	42.19	10.49	52.68	68.20	-15.52	peak
Remark:						
Factor = Anten	na Factor + Cabl	e Loss – Pre-ar	mplifier.			



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5745MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11490.042	47.56	9.42	56.98	74.00	-17.02	peak
11490.042	37.49	9.42	46.91	54.00	-7.09	AVG
17235.063	42.55	10.51	53.06	68.20	-15.14	peak
Remark:						
-actor = Anter	na Factor + Cab	le Loss – Pre-a	mplifier.			

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11490.042	48.26	9.42	57.68	74.00	-16.32	peak
11490.042	37.99	9.42	47.41	54.00	-6.59	AVG
17235.063	41.52	10.51	52.03	68.20	-16.17	peak
Remark:						
Factor = Anten	na Factor + Cabl	e Loss – Pre-a	mplifier.			



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5785MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11570.042	46.39	9.42	55.81	74.00	-18.19	peak
11570.042	36.24	9.42	45.66	54.00	-8.34	AVG
17355.063	42.18	10.51	52.69	68.20	-15.51	peak

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11570.042	48.21	9.42	57.63	74.00	-16.37	peak
11570.042	36.27	9.42	45.69	54.00	-8.31	AVG
17355.063 42.19 10.51 52.70 68.20 -15.50 peak						peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



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EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5825MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11650.042	47.63	9.62	52.98	74.00	-21.02	peak
11650.042	38.22	9.62	45.05	54.00	-8.95	AVG
17475.063 42.91 10.75 47.61 68.20 -26.39 peak						
Remark:						
- -actor = Anter	Factor = Antenna Factor + Cable Loss – Pre-amplifier.					

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
11650.042	46.39	9.62	53.55	74.00	-20.45	peak
11650.042	37.11	9.62	47.64	54.00	-6.36	AVG
17475.063 41.56 10.75 48.61 68.20 -25.39 peak						peak
Remark:						
Factor = Anten	Factor = Antenna Factor + Cable Loss – Pre-amplifier.					

Note: All test channels had been tested. The 802.11a20 is the worst case and recorded in the test report.

Other frequencies radiation emission from 1GHz to 40GHz at least have 20dB margin and not recorded in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Limit-Level.

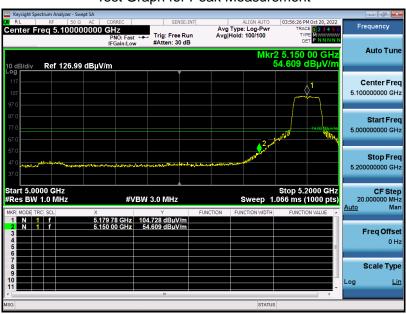
The "Factor" value can be calculated automatically by software of measurement system.



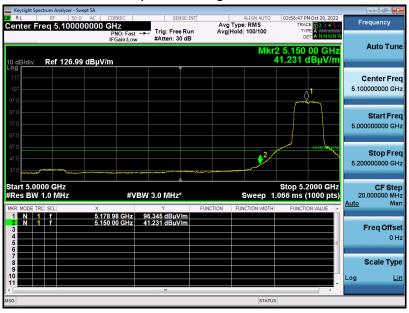
Test result for band edge emission at restricted bands

EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Horizontal

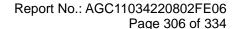
Test Graph for Peak Measurement



Test Graph for Average Measurement



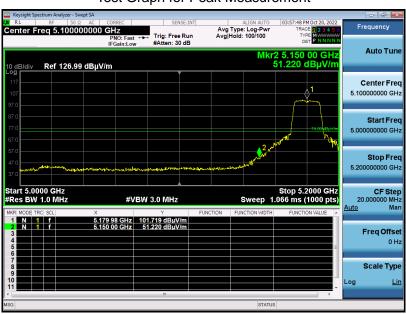
RESULT: PASS



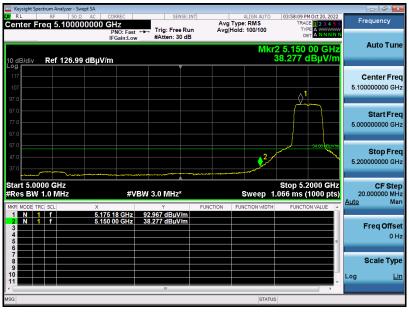


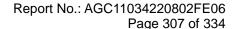
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





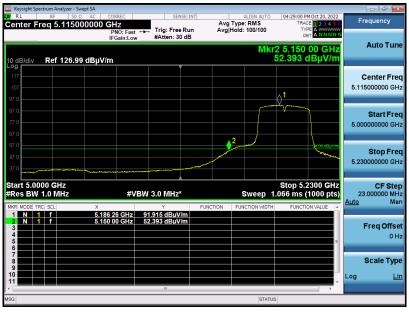


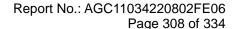
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5190MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





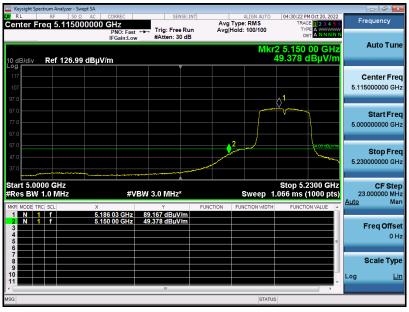


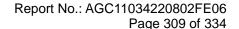
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5190MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





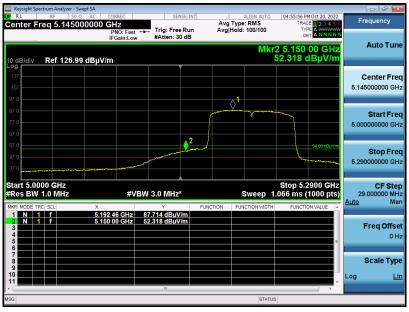


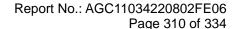
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5210MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





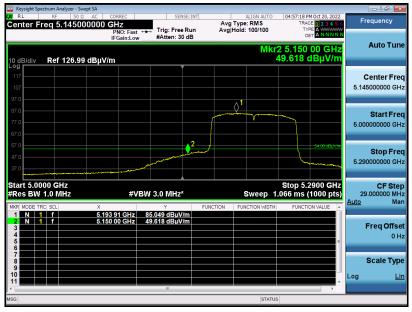


EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5210MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





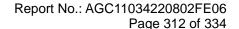
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5320MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement







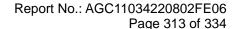
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5320MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





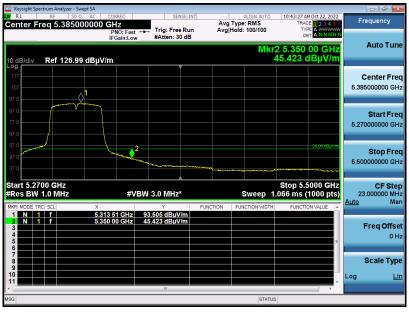


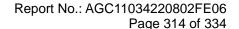
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5310MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





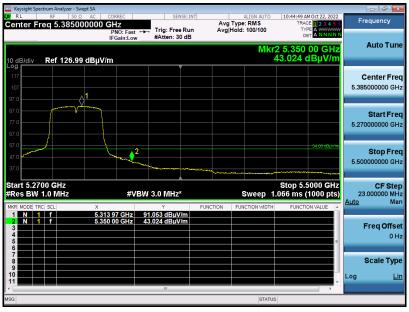


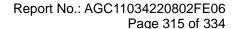
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5310MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement

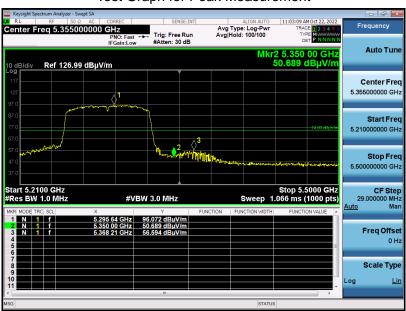




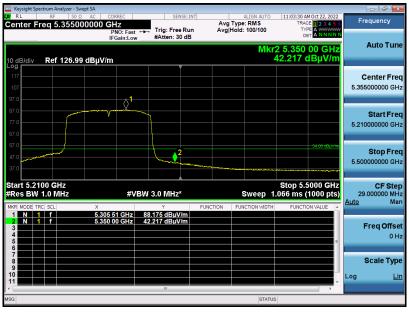


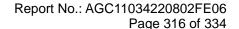
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5290MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





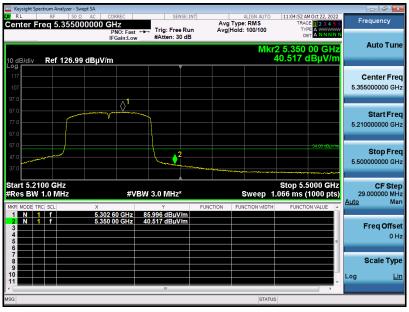


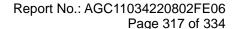
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5290MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





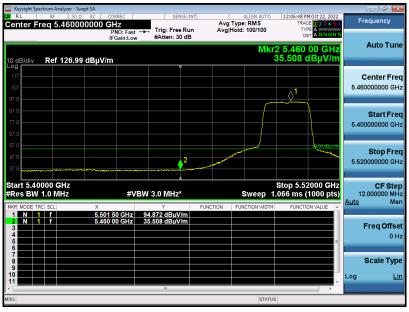


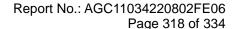
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5500MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement







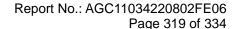
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5500MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





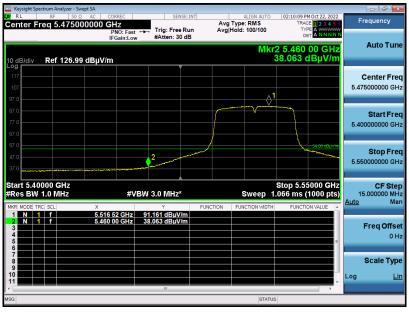


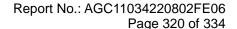
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5510MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement





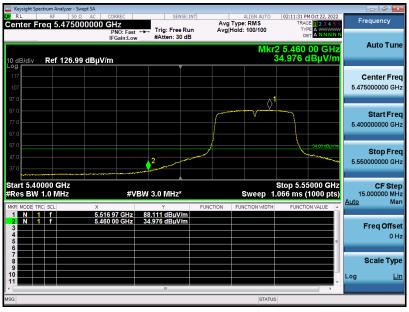


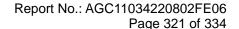
EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5510MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement





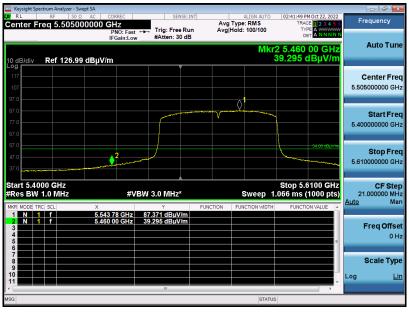


EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5530MHz	Antenna	Horizontal

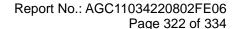
Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



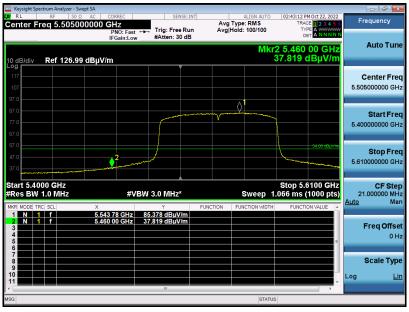


EUT	Video Doorbell	Model Name	Reolink Video Doorbell WiFi
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5530MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



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Note:

- 1. All the antennas have been pre-tested. All the 20MHz bandwidth modulation had been tested, the 802.11a20 at 5180MHz, 5320MHz, 5500MHz, was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 at 5190MHz, 5310MHz, 5510MHz was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the 802.11AC80 at 5210MHz, 5290MHz, 5530MHz was the worst case and record in his test report.
- 2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer.
- Only the data of band edge emission at the restricted band 4.5GHz-5.15GHz and 5.35GHz-5.46GHz
 record in the report. Other restricted band 7.25GHz-7.77GHz were considered as ambient noise. No
 recording in the test report.
- 4. The sideband standard of Band 4 frequency band is not defined, the transmitted signal does not fall in the restricted band, and the edge signal is far away from the edge of other restricted bands, and it is not recorded in the report.



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12. LINE CONDUCTED EMISSION TEST

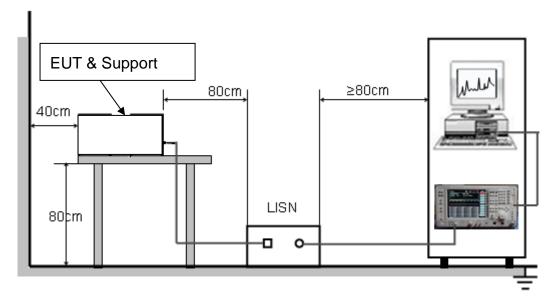
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Francisco	Maximum RF Line Voltage				
Frequency	Q.P (dBµV)	Average (dBμV)			
150kHz~500kHz	66-56	56-46			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

Note:

- 1. The lower limit shall apply at the transition frequency.
- 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50MHz.

12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST





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12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipment received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received charging voltage by adapter which received 120V/60Hzpower by a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 Ohm load; the second scan had Line 1 connected to a 50 Ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

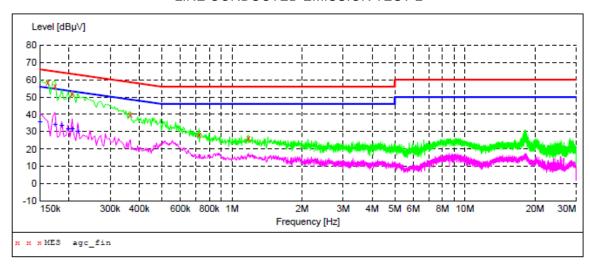
12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less – 2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case was reported on the Summary Data page.



12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

802.11a20 5180MHz LINE CONDUCTED EMISSION TEST-L



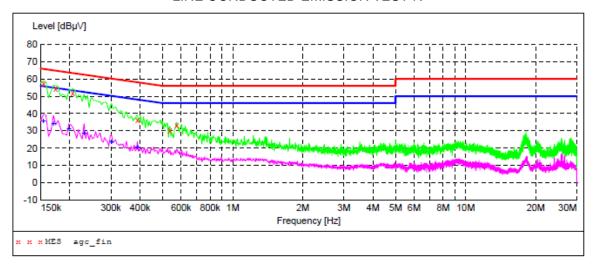
MEASUREMENT RESULT: "agc_fin"

2022/9/21 21: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.162000 0.174000 0.206000 0.366000 0.722000 1.178000	58.30 56.60 51.80 39.80 28.40 26.30	6.8 6.7 6.5 5.8 5.4 5.7	65 63 59 56 56	11.6 18.8 27.6	QP QP QP	L1 L1 L1 L1 L1

MEASUREMENT RESULT: "agc_fin2"

2022/9/21 21 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000 0.174000 0.186000 0.198000 0.206000 0.218000	36.00 34.10 33.80 31.80 31.90 30.10	6.9 6.7 6.6 6.5 6.4	56 55 54 54 53	20.0 20.7 20.4 21.9 21.5 22.8	AV AV AV	L1 L1 L1 L1 L1





MEASUREMENT RESULT: "agc_fin"

2022/9/21 22	:00					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	57.50	6.9	66		_	N
0.174000	54.60	6.7	65		_	N
0.206000	52.00	6.5	63	11.4	QP	N
0.390000	36.40	5.7	58	21.7	QP	N
0.538000	30.50	5.4	56	25.5	QP	N
0.574000	33.40	5.4	56	22.6	QP	N

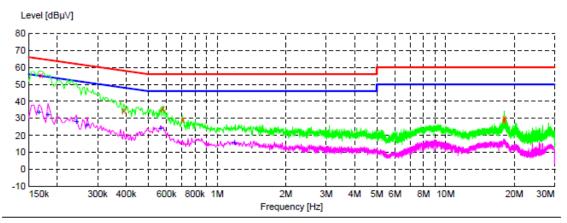
MEASUREMENT RESULT: "agc_fin2"

2022/9/21 23	1:59					
Frequency MHz	_	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	35.70	6.9	56	20.1		N
0.170000	34.20	6.8	55	20.8	AV	N
0.198000	31.40	6.6	54	22.3	AV	N
0.230000	28.90	6.4	52	23.5	AV	N
0.302000	24.00	6.0	50	26.2	AV	N
0.390000	20.50	5.7	48	27.6	AV	N

RESULT: PASS



802.11a20 5260MHz LINE CONDUCTED EMISSION TEST-L



и и и MES agc_fin

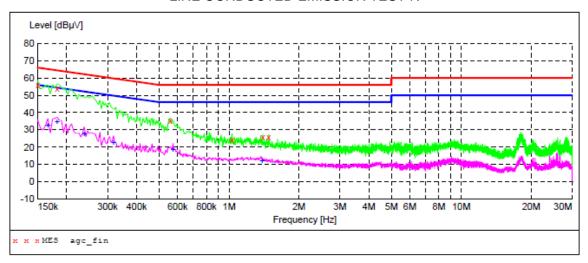
MEASUREMENT RESULT: "agc fin"

2022/9/21 22:08 Level Transd Limit Frequency Margin Detector Line MHz dBuV dΒ dBuV dB 0.170000 55.50 9.5 6.8 65 QP ьı 0.390000 35.00 5.7 58 23.1 L1 QP 0.578000 35.90 5.4 56 20.1 L1 QP 0.706000 29.50 5.4 56 26.5 L1 QP 18.066000 28.70 8.6 60 31.3 L1 QΡ 18.082000 30.00 8.6 60 30.0

MEASUREMENT RESULT: "agc_fin2"

2022/9/21 2	2:07					
Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.166000 0.182000 0.242000 0.270000 0.566000 1.194000	32.50 28.40 26.40 24.20	6.8 6.7 6.3 6.2 5.4 5.7	52 51 46	21.9 23.6	AV AV AV	L1 L1 L1 L1 L1 L1





MEASUREMENT RESULT: "agc_fin"

2022/9/21 22: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000 0.182000 0.558000	56.10 53.70 35.30	6.9 6.7 5.4	66 64 56		QP	N N N
1.030000 1.398000 1.482000	24.20 25.70 25.80	5.5 5.9 6.0	56 56 56	30.3	QP	N N

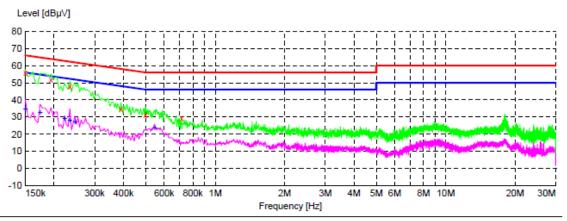
MEASUREMENT RESULT: "agc_fin2"

2022/9/21 22:	04					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.166000	33.00	6.8	55		AV	N
0.182000	35.00	6.7	54	19.4	AV	N
0.238000	27.70	6.3	52	24.5	AV	N
0.318000	22.70	6.0	50	27.1	AV	N
0.574000	18.60	5.4	46	27.4	AV	N
1.386000	12.30	5.9	46	33.7	AV	N

RESULT: PASS



802.11a20 5500MHz LINE CONDUCTED EMISSION TEST-L



и и м MES agc_fin

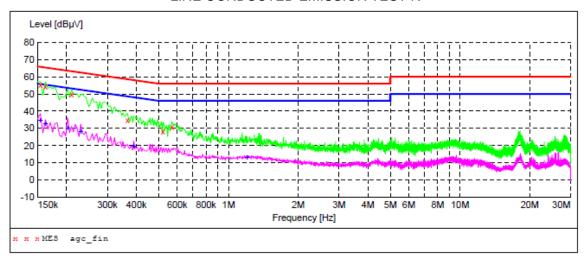
MEASUREMENT RESULT: "agc_fin"

2022/9/21			_				
Freque	ncy MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150 0.194		56.10 51.70	6.9 6.6	66 64	9.9 12.2	_	L1 L1
0.234		47.70	6.3	62	14.6	_	L1
0.390	000	35.00	5.7	58	23.1	QP	L1
0.498	000	31.40	5.4	56	24.6	QP	L1
0.714	000	29.10	5.4	56	26.9	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2	022/9/21 22: Frequency		Transd	Limit	Margin	Detector	Line
	MHz	dΒμV	dB	dΒμV	dB	2000001	
	0.150000	35.00	6.9	56		AV	L1
	0.174000	33.00	6.7	55	21.8	AV	L1
	0.222000	29.20	6.4	53	23.5	AV	L1
	0.234000	28.40	6.3	52	23.9	AV	L1
	0.246000	27.50	6.3	52	24.4	AV	L1
	0.546000	24.00	5.4	46	22.0	AV	L1





MEASUREMENT RESULT: "agc_fin"

2022/9/21	22:15					
_	icy Level Hz dBµV			Margin dB	Detector	Line
0.1540			66		_	N
0.1620				10.8	_	N
0.2100	00 49.80	6.5	63	13.4	QP	N
0.3660	00 34.80	5.8	59	23.8	QP	N
0.5220	00 28.20	5.4	56	27.8	QP	N
0.5700	00 30.60	5.4	56	25.4	QP	N

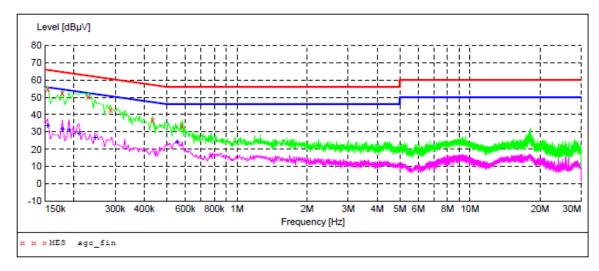
MEASUREMENT RESULT: "agc_fin2"

2022/9/21 22:	15					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000 0.162000 0.202000 0.230000 0.390000 1.202000	34.70 32.60 30.20 28.30 19.70 13.30	6.9 6.8 6.5 6.4 5.7	56 55 54 52 48 46	22.8 23.3 24.1 28.4	AV AV AV	N N N N N

RESULT: PASS



802.11a20 57450MHz LINE CONDUCTED EMISSION TEST-L



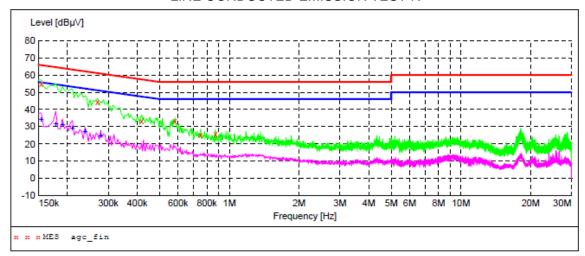
MEASUREMENT RESULT: "agc_fin"

2022/9/21 Frequer			Limit dBµV	Margin dB	Detector	Line
0.1540 0.1780 0.2300 0.2860 0.4340 0.5820	000 52.20 000 50.50 000 42.70 000 36.90	6.7 6.4 6.1 5.6	66 65 62 61 57 56	12.4 11.9 17.9 20.3	QP QP QP QP	L1 L1 L1 L1 L1

MEASUREMENT RESULT: "agc_fin2"

2022/9/21 22:	21					
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000 0.178000 0.190000 0.210000 0.246000	33.60 31.60 31.10 29.40 26.80	6.9 6.7 6.6 6.5 6.3	56 55 54 53 52		AV AV AV	L1 L1 L1 L1
	24.20	5.4	46			L1





MEASUREMENT RESULT: "agc_fin"

2022/9/21 22: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000 0.270000 0.418000	55.10 44.10 33.20	6.9 6.2 5.6	58	17.0 24.3	QP QP	N N N
0.582000 0.750000 0.870000	33.20 25.20 26.00	5.4 5.4 5.4	56 56 56	30.8	_	N N N

MEASUREMENT RESULT: "agc_fin2"

2022/9/21 2	2:18					
Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000		6.9	56			N
0.178000		6.7		22.7		N
0.190000	31.40	6.6	54	22.6	AV	N
0.210000	29.50	6.5	53	23.7	AV	N
0.238000	27.20	6.3	52	25.0	AV	N
0.278000	24.60	6.1	51	26.3	AV	N

RESULT: PASS

Note: All test channels had been tested. The 802.11a20 at 5180MHz, 5260MHz, 5500MHz and 5745MHz are the worst case and recorded in the test report.



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APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC11034220802AP04

APPENDIX B: PHOTOGRAPHS OF EUT

Refer to the Report No.: AGC11034220802AP05

----END OF REPORT----



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- 7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
- 8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
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