Channel 54

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5047.400	41.9	-33.7	34.2	41.36	54.0	12.1	H	155	226
5491.800	42.4	-32.7	34.6	40.41	54.0	11.6	H	155	92
12143.600	34.2	-28.3	38.9	23.60	54.0	19.8	H	155	70
13358.640	33.8	-27.6	39.0	22.38	54.0	20.2	H	155	8
16085.600	36.0	-23.4	40.9	18.52	54.0	18.0	H	155	48
17955.600	38.3	-22.7	41.3	19.77	54.0	15.7	H	155	246

Channel 62

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.299	43.8	-32.3	34.5	41.61	54.0	10.2	H	155	28
5351.136	42.9	-32.3	34.5	40.67	54.0	11.1	H	155	46
11658.600	32.4	-29.4	38.6	23.24	54.0	21.6	H	155	8
13385.500	33.8	-27.6	39.0	22.42	54.0	20.2	H	155	6
15358.300	35.8	-24.4	40.1	20.11	54.0	18.3	H	155	24
17898.650	38.6	-22.6	41.3	19.98	54.0	15.4	H	155	185

Channel 102

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5459.600	47.5	-32.7	34.6	45.67	54.0	6.5	H	155	20
5460.000	47.9	-32.7	34.6	46.07	54.0	6.1	H	155	248
12055.500	34.3	-28.7	38.9	24.11	54.0	19.7	H	155	49
14902.500	34.2	-25.0	39.8	19.50	54.0	19.8	H	155	335
17911.800	39.1	-22.6	41.3	20.47	54.0	14.9	H	155	180
17687.500	38.4	-22.1	41.2	19.36	54.0	15.6	H	155	8

Channel 118

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5367.200	46.9	-32.3	34.5	44.65	54.0	7.1	H	155	4
5814.000	42.9	-32.7	35.0	40.60	54.0	11.1	H	155	2
11350.500	32.8	-30.0	38.3	24.41	54.0	21.3	H	155	25
13277.400	33.8	-27.8	39.0	22.58	54.0	20.2	H	155	350
14487.500	34.9	-25.1	39.6	20.33	54.0	19.2	H	155	92
17855.500	38.4	-22.5	41.3	19.68	54.0	15.6	H	155	85

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Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5149.600	40.1	-33.3	34.3	39.05	54.0	13.9	H	155	8
5150.000	40.5	-33.3	34.3	39.47	54.0	13.5	H	155	6
10745.300	32.1	-29.7	37.7	24.11	54.0	21.9	H	155	25
13285.500	34.3	-27.8	39.0	23.11	54.0	19.7	H	155	70
14652.800	35.0	-25.1	39.7	20.45	54.0	19.0	H	155	135
17727.400	38.7	-22.2	41.2	19.74	54.0	15.3	H	155	270

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
4901.250	30.6	-33.4	34.2	29.86	54.0	23.4	H	155	116
5345.750	31.4	-32.3	34.5	29.24	54.0	22.6	H	155	139
10863.500	32.4	-29.8	37.8	24.47	54.0	21.6	H	155	94
13187.500	34.3	-28.2	39.1	23.43	54.0	19.7	H	155	49
14658.400	34.6	-25.1	39.7	20.06	54.0	19.4	H	155	4
17857.600	38.8	-22.5	41.3	20.01	54.0	15.3	H	155	28

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5089.750	30.5	-33.5	34.3	29.68	54.0	23.5	H	155	248
5323.250	33.0	-32.4	34.5	30.94	54.0	21.0	H	155	92
11234.500	32.1	-30.4	38.2	24.32	54.0	21.9	H	155	49
13305.600	33.9	-27.7	39.0	22.65	54.0	20.1	H	155	138
14489.530	34.9	-25.1	39.6	20.33	54.0	19.2	H	155	248
17856.840	38.7	-22.5	41.3	19.93	54.0	15.3	H	155	72

Channel 52

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5150.000	35.6	-33.3	34.3	34.57	54.0	18.4	H	155	24
5350.800	37.1	-32.3	34.5	34.88	54.0	16.9	H	155	336
11803.780	33.9	-29.3	38.7	24.54	54.0	20.1	H	155	248
15595.460	36.2	-24.5	40.3	20.38	54.0	17.8	H	155	268
17903.250	38.9	-22.6	41.3	20.25	54.0	15.1	H	155	290
17967.580	38.6	-22.8	41.3	20.02	54.0	15.4	H	155	300

Channel 56

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5149.600	35.7	-33.3	34.3	34.60	54.0	18.3	H	155	16
5351.200	38.1	-32.3	34.5	35.94	54.0	15.9	H	155	48
12582.600	33.9	-28.2	39.0	23.05	54.0	20.1	H	155	80
13385.600	33.8	-27.6	39.0	22.39	54.0	20.3	H	155	8
16085.600	36.8	-23.4	40.9	19.29	54.0	17.3	H	155	102
17836.470	38.2	-22.5	41.3	19.45	54.0	15.8	H	155	118

Channel 64

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.000	48.4	-32.3	34.5	46.18	54.0	5.6	H	155	92
5352.400	48.1	-32.3	34.5	45.87	54.0	5.9	H	155	136
11869.500	33.9	-29.2	38.8	24.29	54.0	20.1	H	155	8
15582.600	35.6	-24.5	40.3	19.85	54.0	18.4	H	155	70
17716.800	38.7	-22.2	41.2	19.67	54.0	15.3	H	155	48
17965.850	38.4	-22.8	41.3	19.90	54.0	15.6	H	155	246

Channel 100

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5459.200	42.3	-32.7	34.6	40.41	54.0	11.7	H	155	142
5460.000	42.5	-32.7	34.6	40.60	54.0	11.5	H	155	168
12133.500	34.3	-28.4	38.9	23.77	54.0	19.7	H	155	90
13362.500	33.9	-27.6	39.0	22.54	54.0	20.1	H	155	102
16083.600	36.0	-23.4	40.9	18.50	54.0	18.1	H	155	118
17975.500	38.4	-22.8	41.3	19.89	54.0	15.6	H	155	94

Channel 120

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5550.000	42.2	-32.6	34.7	40.15	54.0	11.8	H	155	25
5656.000	42.6	-32.8	34.8	40.61	54.0	11.4	H	155	49
12442.500	33.8	-28.3	39.0	23.07	54.0	20.3	H	155	4
14486.500	34.6	-25.1	39.6	20.10	54.0	19.4	H	155	6
15895.500	35.4	-23.9	40.7	18.66	54.0	18.6	H	155	25
17888.500	38.7	-22.6	41.3	20.06	54.0	15.3	H	155	186

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Channel 38

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.400	47.0	-33.3	34.3	45.98	54.0	7.0	H	155	8
5149.600	47.6	-33.3	34.3	46.59	54.0	6.4	H	155	26
11342.650	33.4	-30.0	38.3	25.12	54.0	20.6	H	155	72
14486.500	34.4	-25.1	39.6	19.86	54.0	19.6	H	155	136
16008.560	36.8	-23.7	40.8	19.61	54.0	17.3	H	155	94
17886.540	38.3	-22.6	41.3	19.65	54.0	15.7	H	155	48

Channel 46

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5007.600	43.9	-33.7	34.2	43.39	54.0	10.1	H	155	226
5458.400	44.6	-32.7	34.6	42.77	54.0	9.4	H	155	92
12058.460	34.3	-28.7	38.9	24.10	54.0	19.7	H	155	70
14900.780	34.2	-25.0	39.8	19.50	54.0	19.8	H	155	8
17905.640	39.1	-22.6	41.3	20.46	54.0	14.9	H	155	48
17688.530	38.4	-22.2	41.2	19.36	54.0	15.6	H	155	246

Channel 54

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5047.200	43.0	-33.7	34.2	42.41	54.0	11.0	H	155	184
5492.800	43.9	-32.6	34.6	41.94	54.0	10.1	H	155	6
12335.400	34.2	-27.8	39.0	23.01	54.0	19.8	H	155	26
13335.700	33.8	-27.6	39.0	22.36	54.0	20.2	H	155	246
15984.600	35.4	-23.7	40.8	18.40	54.0	18.6	H	155	8
17985.300	38.7	-22.8	41.3	20.15	54.0	15.4	H	155	2

Channel 62

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5355.600	49.9	-32.3	34.5	47.67	54.0	4.1	H	155	8
5358.400	50.2	-32.3	34.5	47.97	54.0	3.8	H	155	28
12445.000	33.9	-28.3	39.0	23.18	54.0	20.2	H	155	246
14485.350	34.8	-25.1	39.6	20.30	54.0	19.2	H	155	249
15897.650	35.4	-23.9	40.7	18.70	54.0	18.6	H	155	186
17886.900	38.5	-22.6	41.3	19.81	54.0	15.5	H	155	128

Channel 102

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5459.600	45.4	-32.7	34.6	43.49	54.0	8.6	H	155	94
5460.000	45.6	-32.7	34.6	43.77	54.0	8.4	H	155	136
11235.500	32.1	-30.4	38.2	24.32	54.0	21.9	H	155	4
13311.600	33.9	-27.7	39.0	22.62	54.0	20.1	H	155	68
14494.500	34.9	-25.1	39.6	20.33	54.0	19.2	H	155	46
17861.500	38.7	-22.5	41.3	19.94	54.0	15.3	H	155	246

Channel 118

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5367.200	46.2	-32.3	34.5	43.99	54.0	7.8	H	155	132
5655.200	42.0	-32.8	34.8	40.03	54.0	12.0	H	155	28
12550.500	34.4	-28.3	39.0	23.65	54.0	19.6	H	155	38
13392.500	33.8	-27.6	39.0	22.50	54.0	20.2	H	155	65
14492.540	34.7	-25.1	39.6	20.16	54.0	19.3	H	155	4
16197.500	36.8	-23.2	41.0	18.97	54.0	17.2	H	155	24

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Channel 42

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5144.800	44.2	-33.3	34.3	43.18	54.0	9.8	H	155	26
5148.000	44.0	-33.3	34.3	42.99	54.0	10.0	H	155	102
10942.500	32.4	-30.0	37.9	24.54	54.0	21.6	H	155	207
13451.500	34.8	-27.7	38.9	23.53	54.0	19.3	H	155	126
14835.600	35.2	-25.1	39.7	20.50	54.0	18.8	H	155	128
17713.500	38.7	-22.2	41.2	19.69	54.0	15.3	H	155	4

Channel 58

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5358.800	49.2	-32.3	34.5	47.01	54.0	4.8	H	155	27
5361.200	49.2	-32.3	34.5	46.98	54.0	4.8	H	155	48
10620.500	32.0	-29.2	37.7	23.52	54.0	22.0	H	155	95
13268.500	34.3	-27.9	39.0	23.14	54.0	19.7	H	155	108
14478.650	34.5	-25.1	39.6	19.98	54.0	19.5	H	155	128
17702.500	38.7	-22.2	41.2	19.64	54.0	15.3	H	155	256

Channel 106

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5455.200	44.0	-32.7	34.6	42.16	48.3	4.3	H	155	48
5458.000	44.0	-32.7	34.6	42.10	48.3	4.3	H	155	28
10604.700	32.0	-29.2	37.7	23.60	48.3	16.3	H	155	94
13255.700	34.7	-27.9	39.0	23.57	48.3	13.6	H	155	112
16149.800	37.3	-23.3	41.0	19.58	48.3	11.0	H	155	4
17913.100	38.9	-22.6	41.3	20.30	48.3	9.4	H	155	28

Peak

802.11a

Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5147.823	58.6	-33.3	34.3	57.52	74.0	15.4	H	155	176
5148.820	58.7	-33.3	34.3	57.61	74.0	15.3	H	155	0
10360.000	48.9	-29.7	37.5	41.06	68.3	19.4	H	155	22
15350.000	54.1	-24.4	40.1	38.45	68.3	14.2	V	155	352
17520.450	57.4	-22.8	41.2	38.99	68.3	10.9	H	155	0
17603.450	57.9	-22.2	41.2	38.94	68.3	10.4	V	155	0

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5085.600	44.4	-33.5	34.3	43.66	68.3	23.9	H	155	0
5259.400	46.4	-33.1	34.4	45.11	68.3	21.9	H	155	0
12854.250	50.8	-28.5	39.1	40.16	68.3	17.5	H	155	22
14756.250	53.3	-25.0	39.7	38.63	68.3	15.0	H	155	352
17448.950	56.7	-23.2	41.3	38.61	68.3	11.6	V	155	88
17586.520	57.0	-22.3	41.2	38.09	68.3	11.3	V	155	88

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5107.200	44.0	-33.4	34.3	43.14	68.3	24.3	H	155	22
5393.200	45.0	-32.3	34.5	42.73	68.3	23.3	H	155	44
12865.250	50.7	-28.5	39.1	40.05	68.3	17.6	H	155	66
14762.500	53.4	-25.0	39.7	38.72	68.3	14.9	H	155	0
17450.500	56.7	-23.2	41.2	38.56	68.3	11.7	V	155	22
17593.500	56.8	-22.3	41.2	37.84	68.3	11.5	V	155	44

Channel 52

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5171.400	51.5	-33.2	34.3	50.41	68.3	16.8	H	155	22
5345.200	51.6	-32.3	34.5	49.46	68.3	16.7	H	155	44
14570.200	53.8	-25.2	39.6	39.36	68.3	14.5	V	155	0
16460.000	56.6	-23.1	41.4	38.31	68.3	11.7	H	155	0
16935.750	57.5	-23.0	41.7	38.83	68.3	10.8	V	155	22
17627.650	57.2	-22.1	41.2	37.99	68.3	11.1	H	155	176

Channel 56

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5190.000	51.8	-33.2	34.4	50.68	68.3	16.5	H	155	22
5355.400	53.4	-32.3	34.5	51.20	68.3	14.9	H	155	242
14682.650	53.9	-25.1	39.7	39.34	68.3	14.4	V	155	44
16465.250	56.8	-23.1	41.4	38.50	68.3	11.5	H	155	88
16938.740	57.6	-23.0	41.7	38.90	68.3	10.7	V	155	176
17632.580	57.3	-22.0	41.2	38.06	68.3	11.0	H	155	0

Channel 64

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.569	65.3	-32.3	34.5	63.07	74.0	8.7	H	155	0
5352.540	63.1	-32.3	34.5	60.91	74.0	10.9	H	155	22
14592.640	53.9	-25.2	39.6	39.48	68.3	14.4	V	155	352
16475.800	56.7	-23.1	41.4	38.42	68.3	11.6	V	155	352
16946.280	57.6	-23.0	41.7	38.97	68.3	10.7	H	155	176
17635.600	57.3	-22.0	41.2	38.15	68.3	11.0	V	155	176

Channel 100

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5458.780	59.5	-32.7	34.6	57.60	74.0	14.5	H	155	0
5459.635	60.0	-32.7	34.6	58.13	74.0	14.0	H	155	22
14022.950	51.5	-25.5	39.0	37.97	68.3	16.8	H	155	352
16364.850	56.3	-23.1	41.2	38.21	68.3	12.0	V	155	352
16931.350	57.1	-23.0	41.7	38.46	68.3	11.2	V	155	176
17617.750	57.2	-22.1	41.2	38.09	68.3	11.1	V	155	176

Channel 120

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5518.200	51.1	-32.6	34.6	49.07	68.3	17.2	H	155	176
5679.000	50.6	-32.9	34.8	48.60	68.3	17.7	H	155	154
13575.860	52.7	-27.4	38.9	41.17	68.3	15.6	V	155	22
16540.300	55.5	-23.2	41.4	37.26	68.3	12.8	V	155	176
17040.250	58.1	-23.0	41.7	39.43	68.3	10.2	H	155	198
17617.750	57.2	-22.1	41.2	38.09	68.3	11.1	H	155	0

Channel 140

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5727.525	65.1	-33.0	34.9	63.18	68.3	3.2	H	155	0
5732.763	62.6	-33.0	34.9	60.65	68.3	5.7	H	155	44
13587.640	52.7	-27.4	38.9	41.20	68.3	15.6	V	155	88
16384.620	56.3	-23.1	41.3	38.18	68.3	12.0	V	155	44
17085.600	58.1	-23.0	41.6	39.54	68.3	10.2	V	155	66
17500.360	57.2	-22.9	41.2	38.92	68.3	11.1	H	155	88

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Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.033	58.5	-33.3	34.3	57.49	74.0	15.5	H	155	22
5149.328	59.1	-33.3	34.3	58.04	74.0	14.9	H	155	44
12885.960	51.0	-28.5	39.2	40.34	68.3	17.3	V	155	242
14708.650	53.5	-25.0	39.7	38.80	68.3	14.9	V	155	176
17688.560	56.9	-22.2	41.2	37.78	68.3	11.4	V	155	88
17638.950	57.2	-22.0	41.2	38.03	68.3	11.1	H	155	22

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5079.600	44.4	-33.5	34.3	43.62	68.3	23.9	V	155	88
5273.400	46.1	-32.9	34.4	44.60	68.3	22.2	H	155	242
12860.780	50.9	-28.5	39.1	40.30	68.3	17.4	V	155	110
14670.500	54.0	-25.1	39.7	39.41	68.3	14.3	H	155	0
17150.640	56.7	-23.0	41.5	38.15	68.3	11.6	H	155	44
17645.860	57.2	-22.1	41.2	38.05	68.3	11.1	V	155	22

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5105.600	44.6	-33.4	34.3	43.72	68.3	23.7	V	155	22
5347.800	45.6	-32.3	34.5	43.42	68.3	22.7	H	155	44
13000.500	51.0	-28.5	39.2	40.27	68.3	17.3	H	155	88
14769.380	53.4	-25.0	39.7	38.73	68.3	14.9	V	155	66
17025.680	57.2	-23.0	41.7	38.58	68.3	11.1	H	155	220
17688.560	57.0	-22.2	41.2	37.88	68.3	11.3	V	155	0

Channel 52

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5175.800	51.0	-33.2	34.3	49.83	68.3	17.3	H	155	0
5334.800	52.2	-32.4	34.5	50.04	68.3	16.1	H	155	22
14684.750	53.9	-25.1	39.7	39.33	68.3	14.4	H	155	88
16486.900	56.7	-23.1	41.4	38.50	68.3	11.6	V	155	22
1700.560	57.2	-35.3	29.4	63.14	68.3	11.1	V	155	132
17645.820	57.2	-22.1	41.2	38.05	68.3	11.1	H	155	352

Channel 56

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5190.600	51.5	-33.2	34.4	50.39	68.3	16.8	H	155	22
5348.600	51.9	-32.3	34.5	49.74	68.3	16.4	H	155	0
14856.390	53.9	-25.1	39.7	39.27	68.3	14.4	V	155	44
16678.820	56.8	-23.2	41.5	38.47	68.3	11.5	H	155	22
16948.630	57.7	-23.0	41.7	39.01	68.3	10.6	V	155	0
17638.630	57.4	-22.0	41.2	38.17	68.3	10.9	V	155	44

Channel 64

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5351.622	62.8	-32.3	34.5	60.66	74.0	11.2	H	155	88
5354.322	63.0	-32.3	34.5	60.82	74.0	11.0	H	155	22
14685.960	54.0	-25.1	39.7	39.37	68.3	14.3	V	155	220
16500.450	56.9	-23.2	41.4	38.71	68.3	11.4	V	155	242
17064.500	57.1	-23.0	41.6	38.52	68.3	11.2	V	155	44
17638.820	57.0	-22.0	41.2	37.81	68.3	11.3	V	155	66

Channel 100

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5448.025	60.3	-32.7	34.6	58.39	74.0	13.7	V	155	88
5454.265	60.0	-32.7	34.6	58.14	74.0	14.0	H	155	110
13594.520	52.9	-27.3	38.9	41.30	68.3	15.4	V	155	132
16435.860	56.4	-23.1	41.3	38.20	68.3	11.9	H	155	154
17000.500	57.3	-23.0	41.7	38.66	68.3	11.0	V	155	176
17496.520	57.2	-22.9	41.2	38.95	68.3	11.1	V	155	198

Channel 120

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5535.600	56.5	-32.6	34.6	54.51	68.3	11.8	H	155	132
5662.000	55.5	-32.8	34.8	53.54	68.3	12.8	H	155	154
13642.580	53.7	-27.1	38.9	41.88	68.3	14.6	V	155	88
16442.800	56.4	-23.1	41.3	38.18	68.3	11.9	H	155	110
16954.780	57.3	-23.0	41.7	38.67	68.3	11.0	V	155	110
17562.840	57.2	-22.5	41.2	38.50	68.3	11.1	V	155	88

Channel 140

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5725.375	61.5	-33.0	34.9	59.57	68.3	6.8	H	155	0
5727.050	60.1	-33.0	34.9	58.17	68.3	8.2	H	155	44
13745.680	52.8	-26.7	38.9	40.50	68.3	15.5	V	155	22
16438.400	56.7	-23.1	41.3	38.49	68.3	11.6	H	155	110
16952.830	57.2	-23.0	41.7	38.50	68.3	11.1	H	155	88
17532.480	57.3	-22.7	41.2	38.80	68.3	11.0	H	155	44

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Channel 38

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5145.845	60.9	-33.3	34.3	59.85	74.0	13.1	H	155	22
5148.138	61.6	-33.3	34.3	60.55	74.0	12.4	H	155	242
14312.560	52.9	-25.4	39.4	38.97	68.3	15.4	H	155	44
15080.250	53.9	-24.6	39.9	38.68	68.3	14.4	H	155	330
16424.850	56.6	-23.1	41.3	38.38	68.3	11.7	H	155	176
17620.800	58.0	-22.1	41.2	38.89	68.3	10.3	V	155	0

Channel 46

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5007.600	55.1	-33.7	34.2	54.54	68.3	13.2	H	155	176
5453.400	57.1	-32.7	34.6	55.27	68.3	11.2	H	155	198
14312.400	53.1	-25.5	39.4	39.21	68.3	15.2	V	155	220
15270.640	54.8	-24.6	40.0	39.43	68.3	13.5	H	155	242
15084.650	54.1	-24.6	39.9	38.87	68.3	14.2	H	155	66
17625.360	57.9	-22.1	41.2	38.74	68.3	10.4	V	155	88

Channel 54

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5155.800	55.2	-33.3	34.3	54.16	68.3	13.1	H	155	220
5493.000	54.8	-32.6	34.6	52.82	68.3	13.5	H	155	88
14596.570	54.0	-25.2	39.6	39.55	68.3	14.3	H	155	66
16482.600	56.7	-23.1	41.4	38.49	68.3	11.6	V	155	0
16957.680	57.4	-23.0	41.7	38.78	68.3	10.9	V	155	44
17661.260	57.6	-22.1	41.2	38.48	68.3	10.7	V	155	242

Channel 62

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.852	64.2	-32.3	34.5	61.98	74.0	9.8	H	155	22
5350.299	64.5	-32.3	34.5	62.31	74.0	9.5	H	155	44
14598.620	53.9	-25.2	39.6	39.49	68.3	14.4	V	155	0
16578.630	56.7	-23.3	41.4	38.55	68.3	11.6	H	155	0
17005.860	57.7	-23.0	41.7	38.98	68.3	10.6	V	155	22
17632.630	57.9	-22.0	41.2	38.68	68.3	10.4	H	155	176

Channel 102

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5458.120	61.6	-32.7	34.6	59.68	74.0	12.4	H	155	22
5459.605	62.7	-32.7	34.6	60.77	74.0	11.4	H	155	242
13674.500	52.7	-27.0	38.9	40.72	68.3	15.6	V	155	44
16442.850	56.2	-23.1	41.3	37.96	68.3	12.1	H	155	330
16988.500	57.4	-23.0	41.7	38.77	68.3	10.9	H	155	176
17498.300	57.1	-22.9	41.2	38.83	68.3	11.2	H	155	0

Channel 118

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5367.400	58.7	-32.3	34.5	56.50	68.3	9.6	H	155	0
5692.600	55.2	-32.9	34.8	53.24	68.3	13.1	H	155	0
13746.860	52.4	-26.7	38.9	40.15	68.3	15.9	V	155	22
16364.800	56.4	-23.1	41.2	38.30	68.3	11.9	V	155	352
16942.860	57.1	-23.0	41.7	38.45	68.3	11.2	V	155	88
17063.400	58.0	-23.0	41.6	39.40	68.3	10.3	V	155	88

Channel 134

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5727.200	63.0	-33.0	34.9	61.06	68.3	5.3	H	155	176
5732.650	62.6	-33.0	34.9	60.66	68.3	5.7	H	155	0
14005.800	51.3	-25.6	39.0	37.95	68.3	17.0	V	155	22
16500.740	55.4	-23.2	41.4	37.20	68.3	12.9	V	155	352
16958.360	57.7	-23.0	41.7	39.00	68.3	10.6	V	155	0
17589.640	57.1	-22.3	41.2	38.17	68.3	11.2	V	155	0

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Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5146.475	57.9	-33.3	34.3	56.88	74.0	16.1	H	155	0
5148.418	58.0	-33.3	34.3	56.95	74.0	16.0	V	155	0
14228.550	52.9	-25.3	39.3	38.97	68.3	15.4	H	155	22
15269.820	54.7	-24.6	40.0	39.36	68.3	13.6	H	155	66
16929.150	56.8	-23.0	41.7	38.11	68.3	11.5	V	155	132
17178.350	57.1	-22.9	41.5	38.52	68.3	11.2	H	155	274

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
4890.600	44.3	-33.4	34.2	43.53	68.3	24.0	V	155	110
5980.800	46.0	-31.7	35.2	42.51	68.3	22.3	V	155	132
14230.500	52.9	-25.3	39.3	39.01	68.3	15.4	H	155	88
15286.890	54.1	-24.6	40.0	38.65	68.3	14.2	H	155	44
16813.650	56.7	-23.0	41.6	38.12	68.3	11.6	H	155	0
17069.950	58.0	-23.0	41.6	39.36	68.3	10.3	H	155	22

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
4902.400	45.1	-33.4	34.2	44.34	68.3	23.2	H	155	242
5664.600	44.8	-32.8	34.8	42.85	68.3	23.5	V	155	88
14234.650	53.1	-25.4	39.3	39.18	68.3	15.2	H	155	44
15078.650	64.0	-24.6	39.9	48.73	68.3	4.3	V	155	132
16815.680	57.2	-23.0	41.6	38.64	68.3	11.1	V	155	242
17624.280	58.9	-22.1	41.2	39.71	68.3	9.4	V	155	66

Channel 52

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5159.000	51.3	-33.2	34.3	50.18	68.3	17.0	H	155	110
5351.600	50.2	-32.3	34.5	47.96	68.3	18.1	V	155	132
13158.350	52.6	-28.3	39.1	41.83	68.3	15.7	H	155	242
16939.050	57.1	-23.0	41.7	38.45	68.3	11.2	V	155	264
17507.250	56.9	-22.9	41.2	38.58	68.3	11.4	V	155	286
17627.650	56.9	-22.1	41.2	37.70	68.3	11.4	V	155	308

Channel 56

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5172.200	51.1	-33.2	34.3	50.00	68.3	17.2	H	155	22
5362.200	52.0	-32.3	34.5	49.81	68.3	16.3	H	155	44
14595.630	53.9	-25.2	39.6	39.48	68.3	14.4	V	155	88
15075.630	54.4	-24.6	39.9	39.17	68.3	13.9	V	155	0
16482.600	56.8	-23.1	41.4	38.53	68.3	11.5	H	155	110
17641.850	57.2	-22.0	41.2	38.04	68.3	11.1	H	155	132

Channel 64

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5351.906	64.4	-32.3	34.5	62.23	74.0	9.6	H	155	88
5354.417	65.0	-32.3	34.5	62.81	74.0	9.0	H	155	132
14853.670	54.1	-25.1	39.7	39.44	68.3	14.2	H	155	0
16476.580	56.7	-23.1	41.4	38.42	68.3	11.6	H	155	66
17002.860	57.1	-23.0	41.7	38.44	68.3	11.2	V	155	44
17645.850	57.3	-22.1	41.2	38.16	68.3	11.0	H	155	242

Channel 100

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5454.640	58.1	-32.7	34.6	56.28	74.0	15.9	H	155	132
5457.115	58.6	-32.7	34.6	56.71	74.0	15.4	V	155	154
13667.500	51.9	-27.0	38.9	39.98	68.3	16.4	H	155	88
16441.520	56.4	-23.1	41.3	38.15	68.3	11.9	V	155	110
17012.640	57.1	-23.0	41.7	38.42	68.3	11.2	V	155	110
17503.400	57.1	-22.9	41.2	38.76	68.3	11.2	V	155	88

Channel 120

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5535.200	55.5	-32.6	34.6	53.52	68.3	12.8	H	155	22
5685.000	55.1	-32.9	34.8	53.12	68.3	13.2	V	155	44
13652.800	51.8	-27.1	38.9	39.97	68.3	16.5	H	155	0
16483.700	56.4	-23.1	41.4	38.16	68.3	11.9	H	155	0
16945.280	57.3	-23.0	41.7	38.68	68.3	11.0	H	155	22
17052.600	58.1	-23.0	41.6	39.49	68.3	10.2	H	155	176

Channel 140

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5726.813	63.3	-33.0	34.9	61.36	68.3	5.0	H	155	88
5728.825	62.2	-33.0	34.9	60.30	68.3	6.1	H	155	22
13826.700	52.8	-26.6	39.0	40.41	68.3	15.5	V	155	220
16394.500	56.4	-23.1	41.3	38.23	68.3	11.9	V	155	242
16953.800	57.9	-23.0	41.7	39.26	68.3	10.4	V	155	44
17506.300	57.1	-22.9	41.2	38.74	68.3	11.2	V	155	66

802.11ac-HT40

Channel 38

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5147.228	60.7	-33.3	34.3	59.63	74.0	13.3	H	155	0
5149.450	61.5	-33.3	34.3	60.46	74.0	12.5	H	155	22
14352.680	53.1	-25.3	39.4	39.02	68.3	15.2	V	155	66
15325.670	54.1	-24.5	40.1	38.53	68.3	14.2	H	155	132
16228.650	57.1	-23.2	41.1	39.24	68.3	11.2	V	155	88
17635.460	57.9	-22.0	41.2	38.66	68.3	10.4	H	155	44

Channel 46

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5006.800	56.7	-33.7	34.2	56.17	68.3	11.6	H	155	220
5452.200	57.0	-32.7	34.6	55.14	68.3	11.3	H	155	88
14425.350	53.2	-25.1	39.5	38.82	68.3	15.1	H	155	66
15268.540	54.8	-24.6	40.0	39.45	68.3	13.5	H	155	0
16228.450	56.8	-23.2	41.1	38.91	68.3	11.5	V	155	44
17620.580	58.7	-22.1	41.2	39.55	68.3	9.6	H	155	242

Channel 54

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5046.200	55.9	-33.7	34.2	55.31	68.3	12.4	H	155	176
5493.000	57.2	-32.6	34.6	55.26	68.3	11.1	H	155	0
14597.380	54.2	-25.2	39.6	39.77	68.3	14.1	V	155	22
16512.700	56.9	-23.2	41.4	38.67	68.3	11.4	V	155	352
16945.680	57.6	-23.0	41.7	38.90	68.3	10.7	V	155	0
17635.720	57.5	-22.0	41.2	38.25	68.3	10.9	H	155	0

Channel 62

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.340	66.3	-32.3	34.5	64.06	74.0	7.8	H	155	248
5352.797	65.2	-32.3	34.5	62.96	74.0	8.8	H	155	268
15006.840	54.3	-24.6	39.8	39.15	68.3	14.0	V	155	352
16542.850	56.9	-23.2	41.4	38.70	68.3	11.4	V	155	352
17052.850	57.2	-23.0	41.6	38.57	68.3	11.1	V	155	176
17653.850	57.6	-22.1	41.2	38.40	68.3	10.7	H	155	132

Channel 102

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5449.810	59.3	-32.7	34.6	57.46	74.0	14.7	H	155	88
5458.330	60.5	-32.7	34.6	58.58	74.0	13.5	H	155	132
13665.800	52.0	-27.0	38.9	40.11	68.3	16.3	H	155	0
16445.870	56.4	-23.1	41.3	38.17	68.3	11.9	V	155	66
16897.560	57.1	-23.0	41.6	38.45	68.3	11.2	V	155	44
17582.600	57.1	-22.4	41.2	38.22	68.3	11.2	H	155	242

Channel 118

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5367.200	58.0	-32.3	34.5	55.75	68.3	10.3	H	155	110
5683.800	55.0	-32.9	34.8	53.02	68.3	13.3	H	155	22
14105.200	51.6	-25.3	39.1	37.84	68.3	16.7	V	155	44
16586.920	56.4	-23.3	41.5	38.28	68.3	11.9	V	155	66
17086.590	58.0	-23.0	41.6	39.46	68.3	10.3	V	155	0
17534.830	57.1	-22.7	41.2	38.51	68.3	11.3	H	155	22

Channel 134

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5726.913	61.2	-33.0	34.9	59.29	68.3	7.1	H	155	22
5732.838	60.8	-33.0	34.9	58.92	68.3	7.5	H	155	44
14325.680	51.6	-25.4	39.4	37.66	68.3	16.7	H	155	242
16525.820	55.4	-23.2	41.4	37.18	68.3	12.9	H	155	176
17103.560	58.1	-23.0	41.6	39.56	68.3	10.2	H	155	88
17600.850	57.4	-22.2	41.2	38.37	68.3	10.9	V	155	22

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Channel 42

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5138.758	58.9	-33.3	34.3	57.89	74.0	15.1	H	155	22
5143.378	60.1	-33.3	34.3	59.04	74.0	13.9	H	155	110
12941.100	50.7	-28.4	39.2	39.93	68.3	17.6	V	155	220
14669.250	54.0	-25.1	39.7	39.41	68.3	14.3	V	155	132
17022.050	57.2	-23.0	41.7	38.51	68.3	11.1	V	155	352
17699.150	57.4	-22.2	41.2	38.33	68.3	10.9	H	155	0

Channel 58

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5360.775	65.5	-32.3	34.5	63.34	74.0	8.5	H	155	22
5362.260	65.0	-32.3	34.5	62.84	74.0	9.0	H	155	44
12956.850	50.9	-28.4	39.2	40.11	68.3	17.4	H	155	88
17020.300	57.2	-23.0	41.7	38.57	68.3	11.1	V	155	110
14675.860	54.1	-25.1	39.7	39.52	68.3	14.2	H	155	132
17700.350	57.5	-22.2	41.2	38.42	68.3	10.8	H	155	246

Channel 106

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5450.080	61.3	-32.7	34.6	59.44	74.0	12.7	H	155	44
5450.845	61.3	-32.7	34.6	59.44	74.0	12.7	H	155	22
13145.700	51.5	-28.3	39.1	40.66	68.3	16.9	H	155	88
14759.400	54.2	-25.0	39.7	39.49	68.3	14.1	V	155	110
16919.250	57.6	-23.0	41.7	38.99	68.3	10.7	H	155	0
17067.750	57.0	-23.0	41.6	38.41	68.3	11.3	V	155	22

Sample calculation:

802.11ac 80MHz CH106–Peak, 5450.080 MHz

Result (dBμV/m) = PMea(59.44) + Cable Loss(-32.7) + Antenna Factor(34.6) = 61.3dBuV/m

A.7. AC Powerline Conducted Emission (150kHz- 30MHz)

est Condition:

Voltage（V）	Frequency（Hz）
110	60

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig.87	Fig.88	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig.87	Fig.88	P
0.5 to 5	46			
5 to 30	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Conclusion: PASS

Test graphs as below:

Result for Traffic:

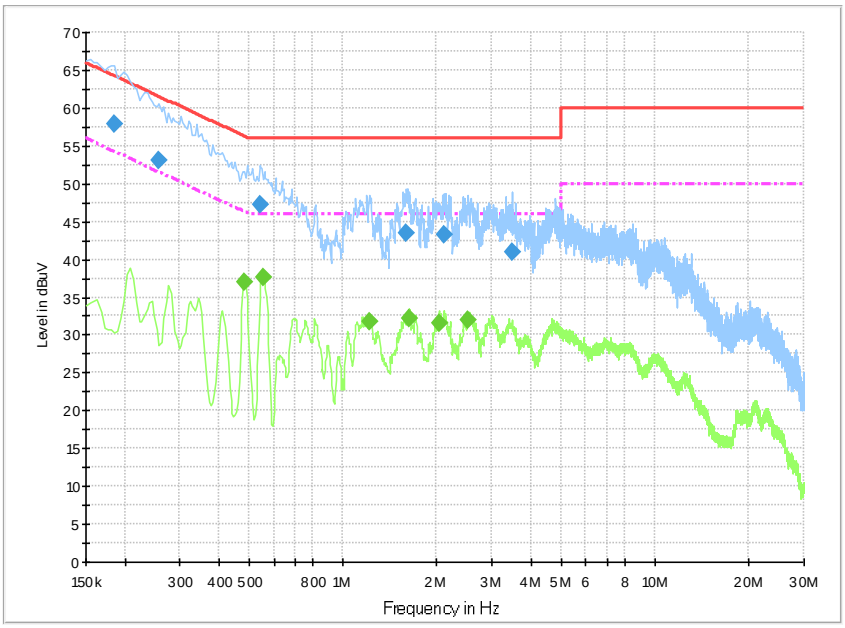


Fig.87 Conducted Emission (802.11a, Ch40, TX)

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.186000	57.9	10000.	9.000	On	N	19.9	6.3	64.2	
0.258000	53.0	10000.	9.000	On	N	19.9	8.5	61.5	
0.541500	47.2	10000.	9.000	On	L1	19.8	8.8	56.0	
1.599000	43.6	10000.	9.000	On	L1	19.7	12.4	56.0	
2.121000	43.3	10000.	9.000	On	L1	19.6	12.7	56.0	
3.484500	40.9	10000.	9.000	On	L1	19.6	15.1	56.0	

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.483000	37.1	10000.	9.000	On	L1	19.8	9.2	46.3	
0.555000	37.6	10000.	9.000	On	L1	19.8	8.4	46.0	
1.221000	31.8	10000.	9.000	On	L1	19.7	14.2	46.0	
1.626000	32.1	10000.	9.000	On	L1	19.7	13.9	46.0	
2.026500	31.5	10000.	9.000	On	L1	19.7	14.5	46.0	
2.503500	32.0	10000.	9.000	On	L1	19.6	14.0	46.0	

Result for Idle:

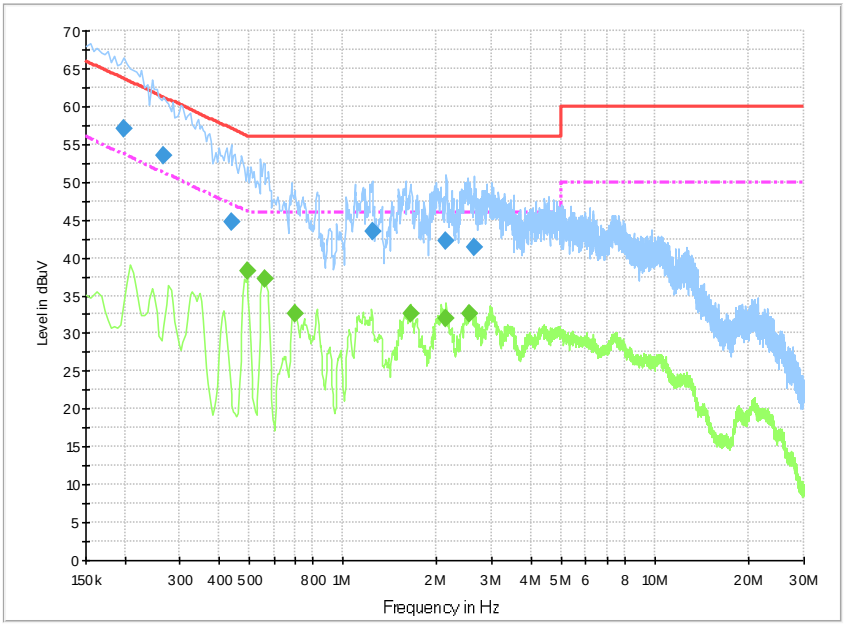


Fig.88 Conducted Emission (802.11a, IDLE)

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.199500	57.1	10000.	9.000	On	N	19.9	6.5	63.6	
0.267000	53.5	10000.	9.000	On	N	19.9	7.7	61.2	
0.438000	44.8	10000.	9.000	On	N	19.8	12.3	57.1	
1.239000	43.4	10000.	9.000	On	L1	19.7	12.6	56.0	
2.143500	42.3	10000.	9.000	On	L1	19.6	13.7	56.0	
2.634000	41.3	10000.	9.000	On	L1	19.6	14.7	56.0	

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.492000	38.2	10000.	9.000	On	L1	19.8	8.0	46.1	
0.559500	37.1	10000.	9.000	On	L1	19.8	8.9	46.0	
0.699000	32.6	10000.	9.000	On	L1	19.7	13.4	46.0	
1.653000	32.6	10000.	9.000	On	L1	19.7	13.4	46.0	
2.143500	31.9	10000.	9.000	On	L1	19.6	14.1	46.0	
2.539500	32.6	10000.	9.000	On	L1	19.6	13.4	46.0	

A.8. 99% Occupied bandwidth

Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.

a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
d) Step a) through step c) might require iteration to adjust within the specified range.
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% ofthe total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.89	17.13	P
	5200 MHz	Fig.90	17.11	P
	5240 MHz	Fig.91	17.17	P
802.11n HT20	5180 MHz	Fig.92	18.29	P
	5200 MHz	Fig.93	18.26	P
	5240 MHz	Fig.94	18.29	P
802.11ac HT20	5180 MHz	Fig.95	18.30	P
	5200 MHz	Fig.96	18.23	P
	5240 MHz	Fig.97	18.32	P
802.11n HT40	5190 MHz	Fig.98	36.37	P
	5230 MHz	Fig.99	36.35	P
802.11ac HT40	5190 MHz	Fig.100	36.34	P
	5230 MHz	Fig.101	36.32	P
802.11ac	5210 MHz	Fig.102	75.58	P

HT80				

Conclusion: PASS

Test graphs as below:

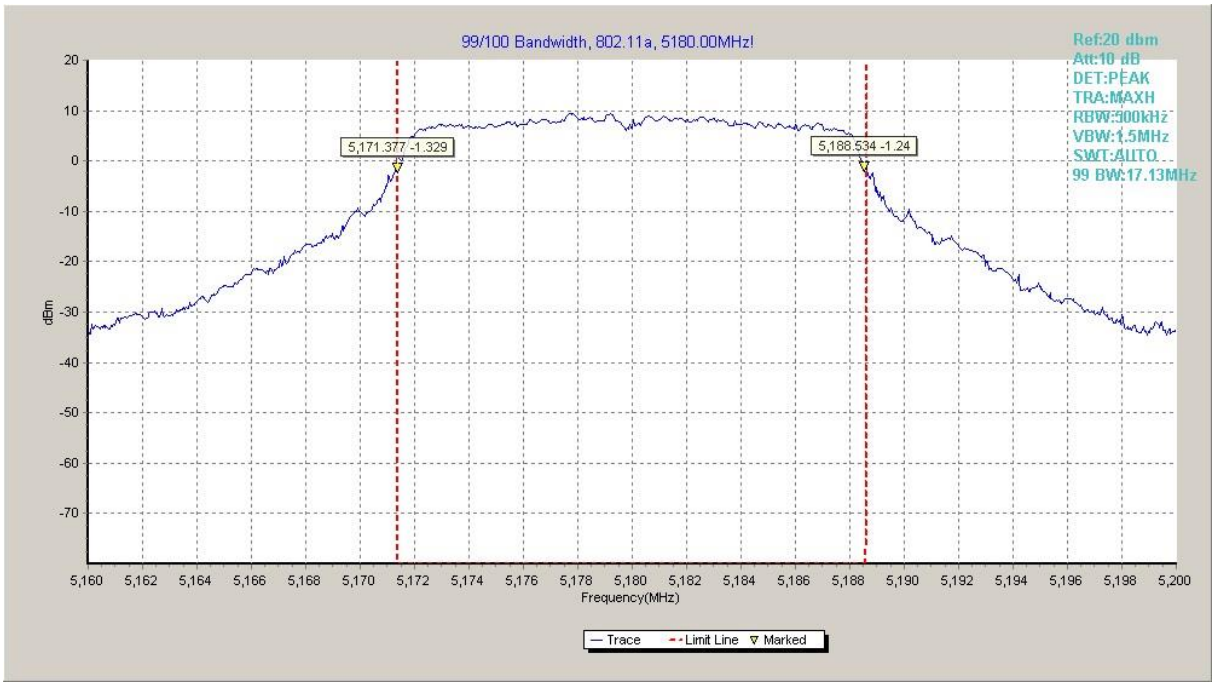


Fig.89 99% Occupied bandwidth (802.11a, 5180MHz)

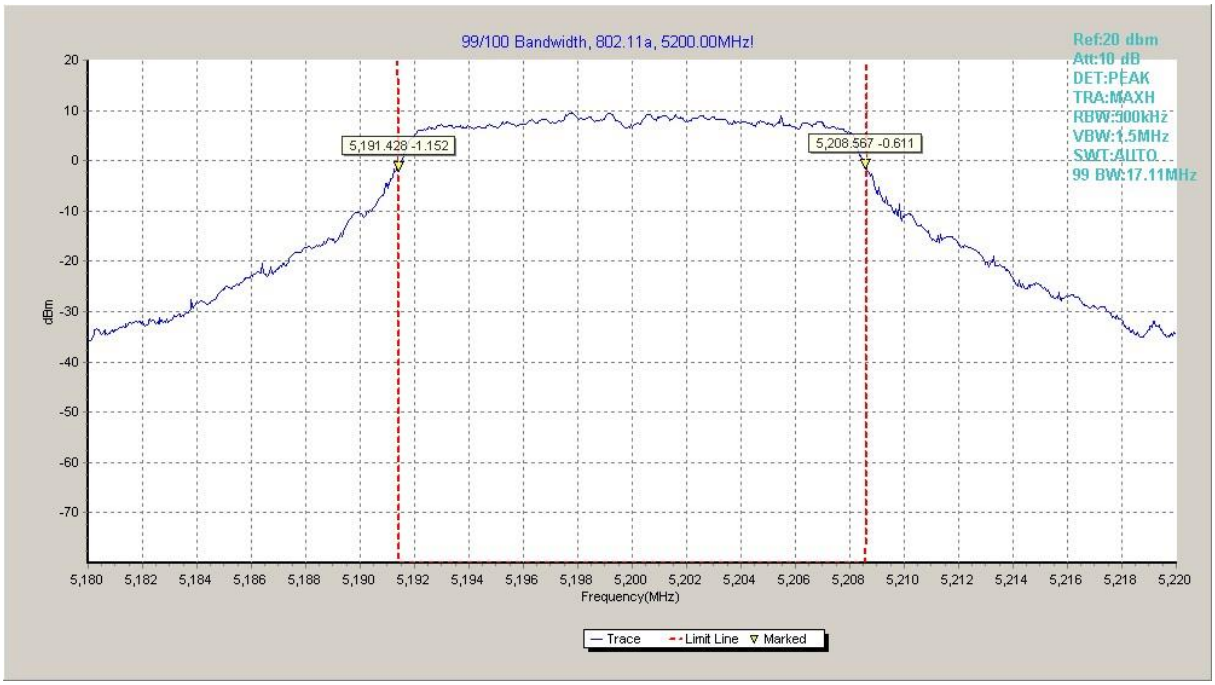


Fig.90 99% Occupied bandwidth (802.11a, 5200MHz)

Fig.91 99% Occupied bandwidth (802.11a, 5240MHz)

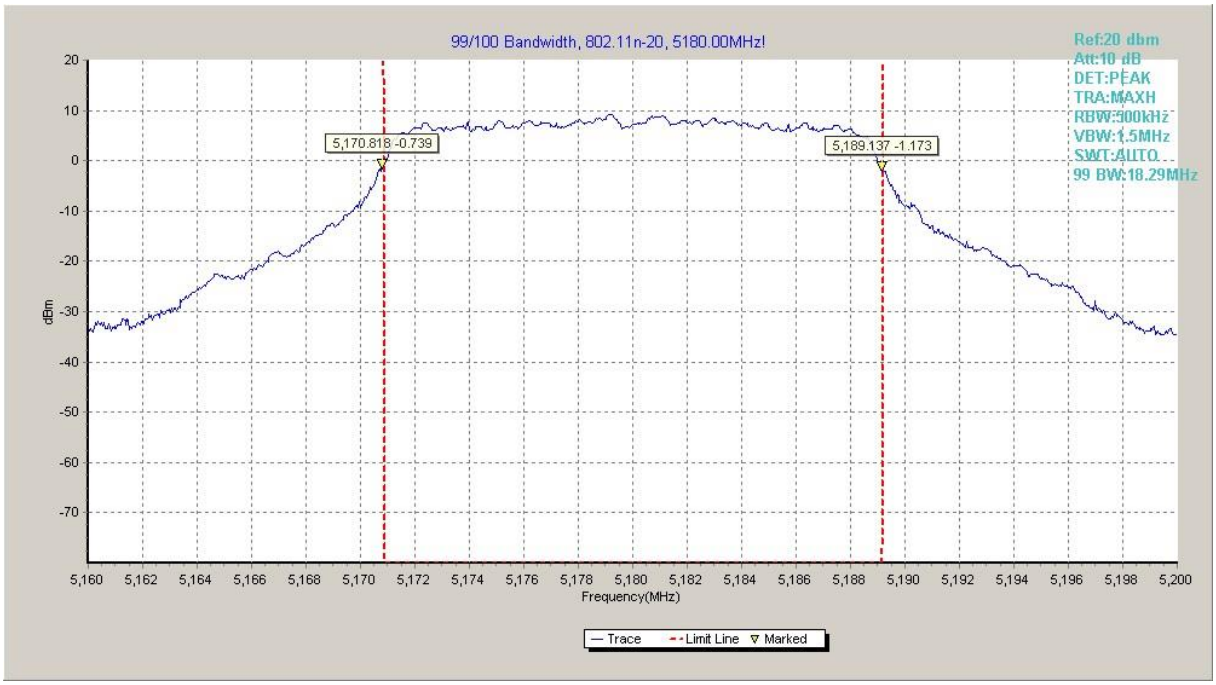


Fig.92 99% Occupied bandwidth (802.11n-HT20, 5180MHz)

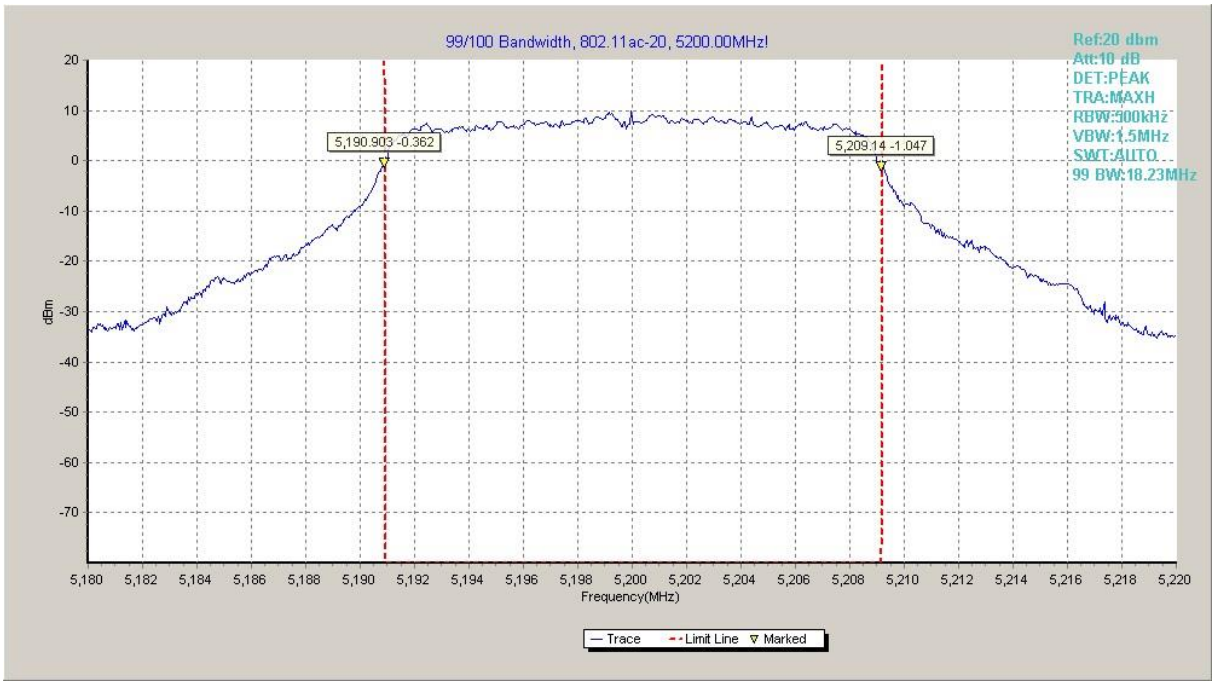


Fig.93 99% Occupied bandwidth (802.11n-HT20, 5200MHz)

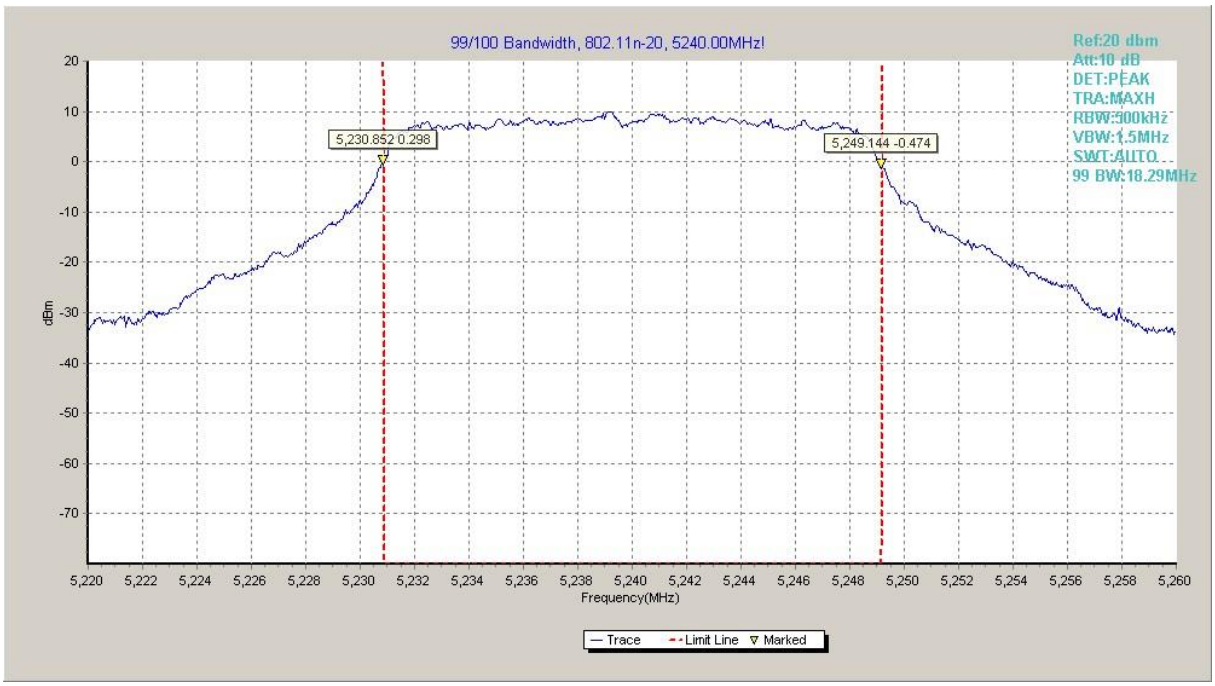


Fig.94 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

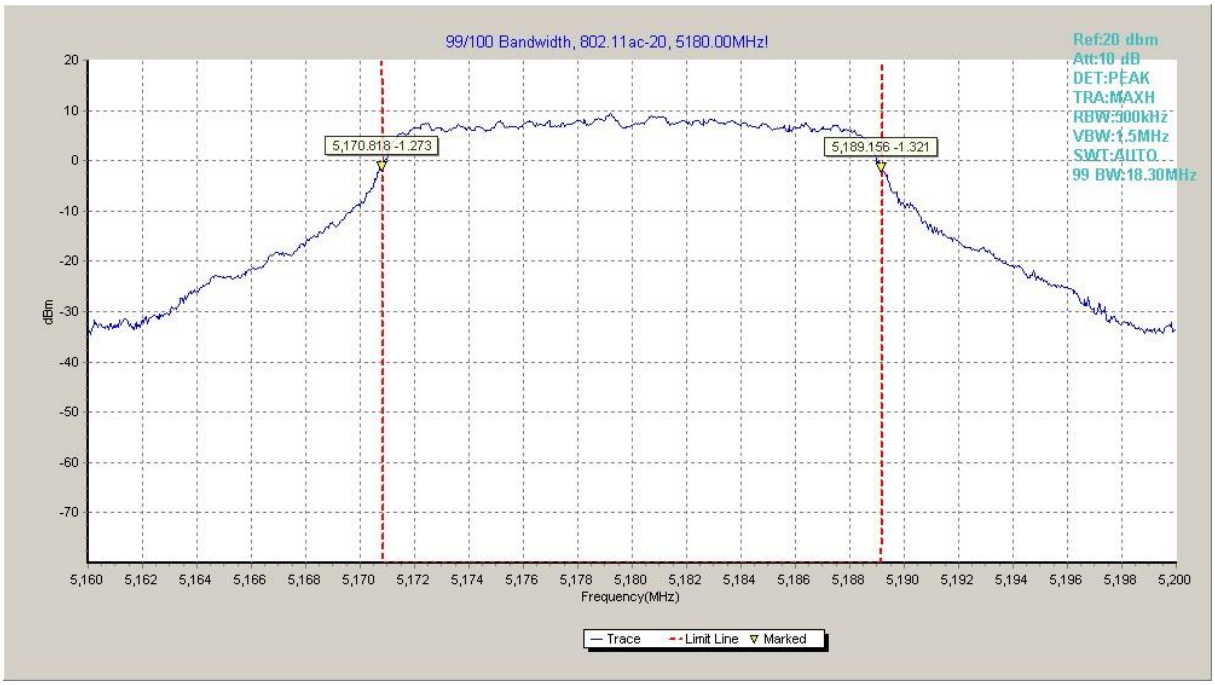


Fig.95 99% Occupied bandwidth (802.11ac-HT20, 5180MHz)

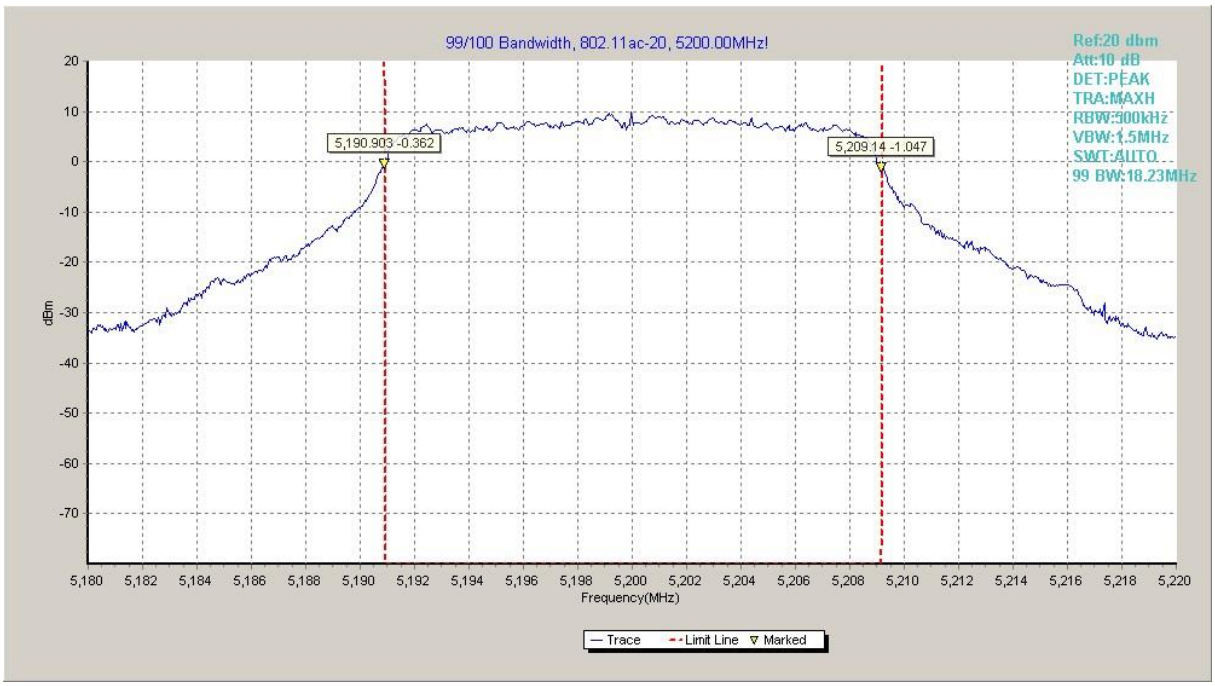


Fig.96 99% Occupied bandwidth (802.11ac-HT20, 5200MHz)

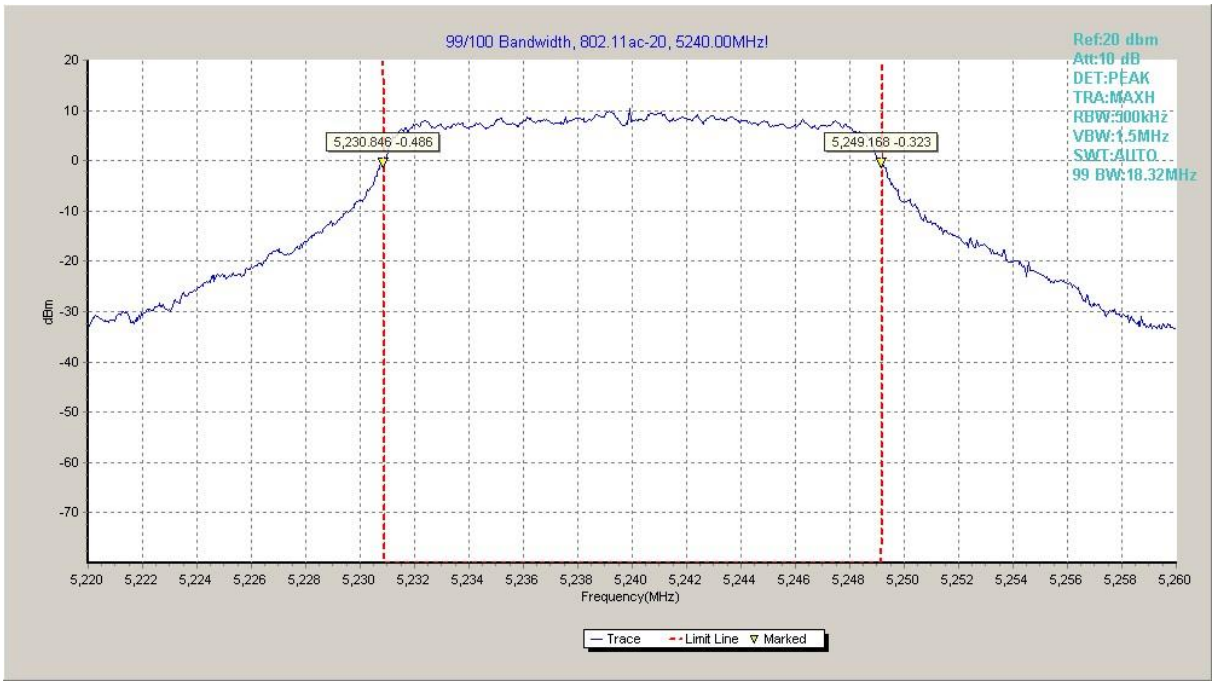


Fig.97 99% Occupied bandwidth (802.11ac-HT20, 5240MHz)

Fig.98 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

Fig.99 99% Occupied bandwidth (802.11n-HT40, 5230MHz)

Fig.100 99% Occupied bandwidth (802.11ac-HT40, 5190MHz)

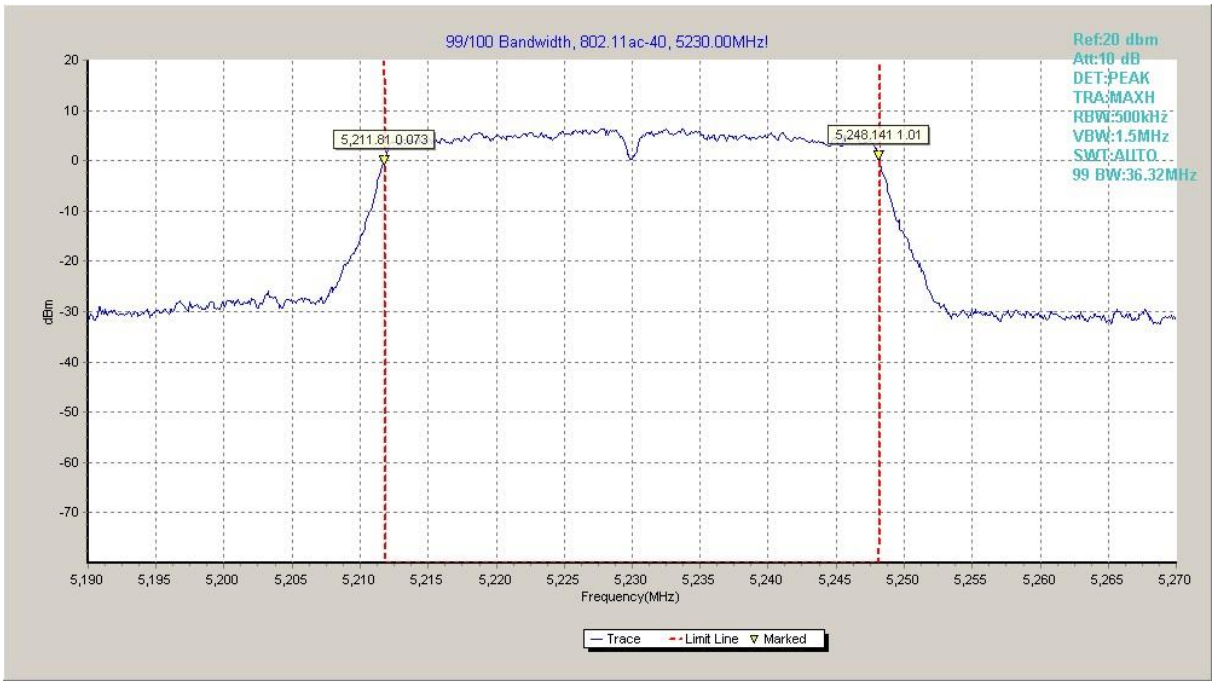


Fig.101 99% Occupied bandwidth (802.11ac-HT40, 5230MHz)

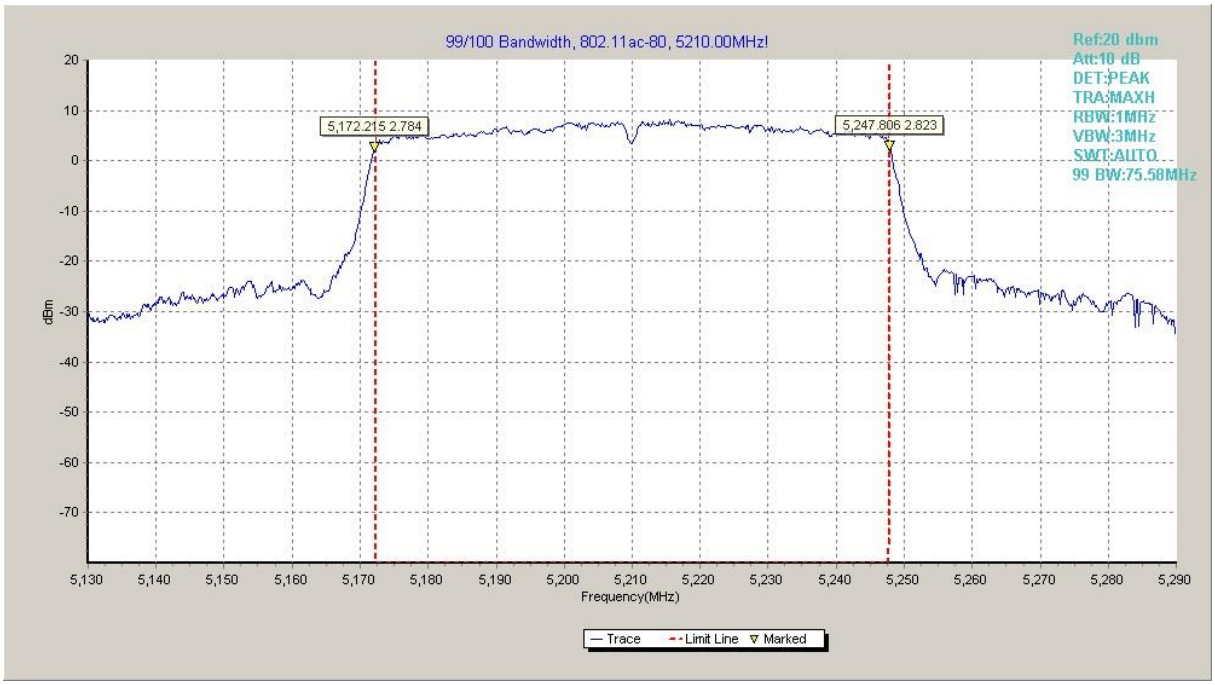
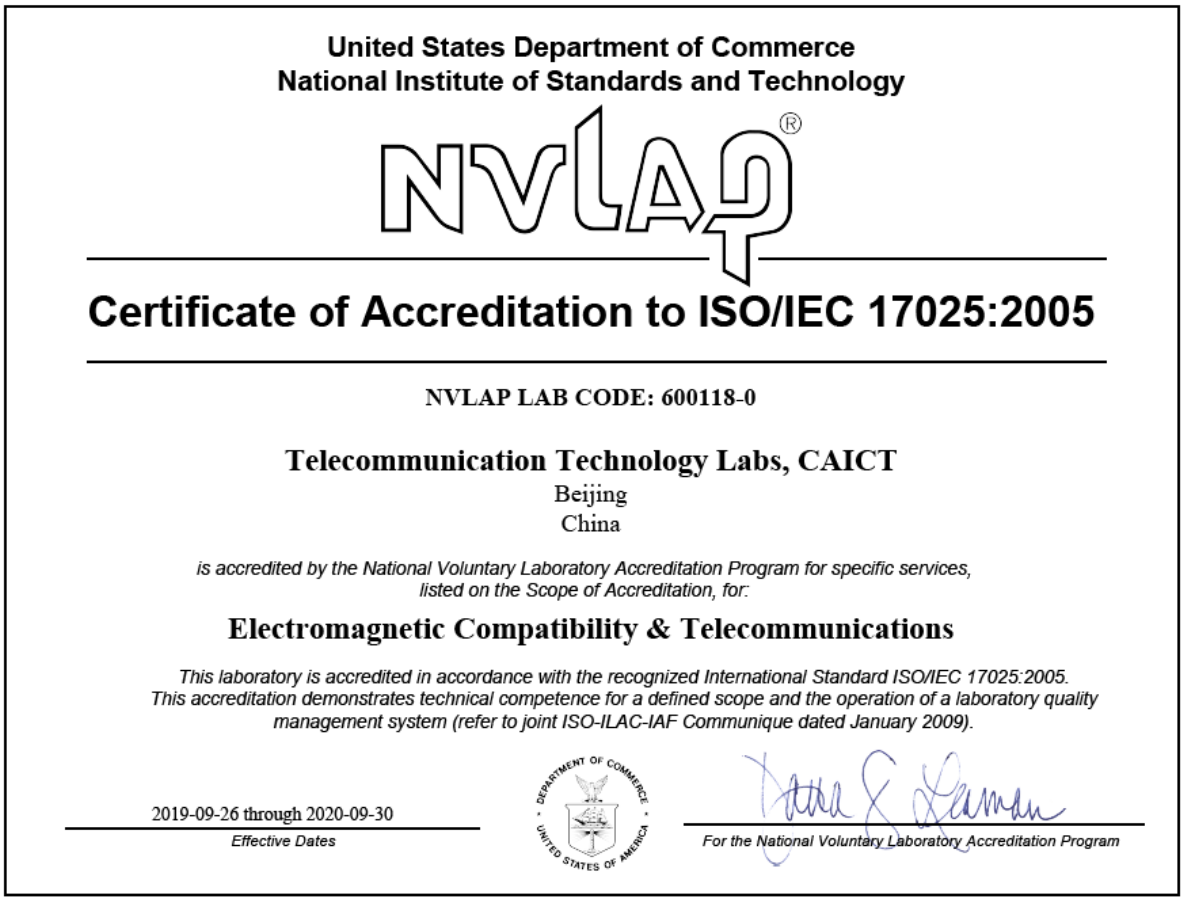


Fig.102 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

A.9. Power control

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500 mW).

ANNEX B: Accreditation Certificate



United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT
Beijing
China

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Electromagnetic Compatibility & Telecommunications

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2019-09-26 through 2020-09-30
Effective Dates

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

For the National Voluntary Laboratory Accreditation Program

***** END OF REPORT BODY *****