

Report No.: BLA-EMC-202502-A3803

Page 31 of 108

6.12.2 Test setup

Below 1GHz:



Blue Asia of technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481

Email: marketing@cblueasia.com www.cblueasia.com



6.12.3 Procedure

- a) For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h) Test the EUT in the lowest channel, the middle channel, the highest channel.
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j) Repeat above procedures until all frequencies measured was complete.

Note 1: Scan from 9 kHz to 40GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown. Note 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

Note 3: The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Level (dBuV) = Reading (dBuV) + Factor (dB/m)

Blue Asia of Technical Services (Shenzhen) Co., Ltd.

Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 33 of 108

1000.000

(C)

%RH

6.12.4 Test data

Below 1GHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	38.3462	0.50	19.24	19.74	40.00	-20.26	QP	P	
2	70.8315	1.52	16.66	18.18	40.00	-21.82	QP	P	
3	114.9167	-0.89	18.02	17.13	43.50	-26.37	QP	Ρ	
4	279.0436	10.42	19.19	29.61	46.00	-16.39	QP	Р	
5 *	501.1789	7.41	25.32	32.73	46.00	-13.27	QP	Ρ	
6	711.6734	1.88	28.61	30.49	46.00	-15.51	QP	Ρ	

*·Maximum data **v**:Over limit l:over margin

Test Result: Pass

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com

Mode: 5.8G TX

Note:



Page 34 of 108



*·Maximum data x·Over limit Lover margin

Blue Asia of technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 35 of 108

Above 1GHz:



No.	Mk	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4701.250	40.36	5.06	45.42	74.00	-28.58	peak	
2		5747.000	38.53	10.11	48.64	74.00	-25.36	peak	
3		6945.500	37.60	12.64	50.24	74.00	-23.76	peak	
4	*	8097.000	38.84	11.79	50.63	74.00	-23.37	peak	
5		10576.25	37.00	13.63	50.63	74.00	-23.37	peak	
6		11490.00	35.26	14.81	50.07	74.00	-23.93	peak	

*:Maximum	data	x:Over limit	!:over margin			(Reference Only
Receiver:	ESR_	_1		Spectrum Analyzer:	FSP40	
A mtamma.	F7 04	1000 40 400 000				

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 36 of 108



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4736.500	39.27	5.43	44.70	74.00	-29.30	peak	
2		6369.750	39.84	10.51	50.35	74.00	-23.65	peak	
3		8014.750	38.69	11.63	50.32	74.00	-23.68	peak	
4	*	9448.250	38.56	13.10	51.66	74.00	-22.34	peak	
5	1	10552.75	36.89	13.67	50.56	74.00	-23.44	peak	
6		11490.00	36.28	14.81	51.09	74.00	-22.91	peak	

*:Maximum da	ata x:Over limit	l:over margin			Reference Only
Receiver:	ESR_1		Spectrum Analyzer:	FSP40	
A	E7 0400D 40 400 0004				

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 37 of 108



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4724.750	40.86	5.31	46.17	74.00	-27.83	peak	
2		6358.000	40.39	10.30	50.69	74.00	-23.31	peak	
3		7004.250	42.11	9.52	51.63	74.00	-22.37	peak	
4		8003.000	39.49	11.61	51.10	74.00	-22.90	peak	
5		9753.750	37.53	13.80	51.33	74.00	-22.67	peak	
6	*	11570.00	37.11	14.80	51.91	74.00	-22.09	peak	

*:Maximum	data x:Over limit	!:over margin			<pre> Reference Only</pre>
Receiver:	ESR_1		Spectrum Analyzer:	FSP40	
A	E7 0400D 40 400 000				

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 38 of 108



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4066.750	40.54	3.32	43.86	74.00	-30.14	peak	
2		5829.250	38.69	9.97	48.66	74.00	-25.34	peak	
3	*	7004.250	41.83	9.52	51.35	74.00	-22.65	peak	
4		9013.500	39.16	12.15	51.31	74.00	-22.69	peak	
5		9753.750	37.45	13.80	51.25	74.00	-22.75	peak	
6		11570.00	36.19	14.80	50.99	74.00	-23.01	peak	

*:Maximum	data x:Over limit	!:over margin			(Reference Only
Receiver:	ESR_1		Spectrum Analyzer:	FSP40	
A	E7 0400D 40 400 000				

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 39 of 108



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5829.250	39.19	9.97	49.16	74.00	-24.84	peak	
2		6969.000	39.40	12.58	51.98	74.00	-22.02	peak	
3		8249.750	39.95	11.20	51.15	74.00	-22.85	peak	
4	*	9377.750	39.00	13.01	52.01	74.00	- <mark>21.9</mark> 9	peak	
5		10623.25	38.30	13.42	51.72	74.00	-22.28	peak	
6		11650.00	36.42	14.12	50.54	74.00	-23.46	peak	

*:Maximum	data	x:Over limit	l:over margin			(Reference Only
Receiver:	ESR	_1		Spectrum Analyzer:	FSP40	
A	F7 0	4000 40 400 0004				

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 40 of 108



No.	M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
_		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5711.750	38.69	11.17	49.86	74.00	-24.14	peak	
2	*	7004.250	41.94	9.52	51.46	74.00	-22.54	peak	
3		8202.750	39.49	11.48	50.97	74.00	-23.03	peak	
4		9695.000	37.68	13.51	51.19	74.00	-22.81	peak	
5		10552.75	37.62	13.67	51.29	74.00	-22.71	peak	
6		11650.00	36.30	14.12	50.42	74.00	-23.58	peak	

*:Maximum	data x:Over limit	l:over margin			Reference Only
Receiver:	ESR_1		Spectrum Analyzer:	FSP40	
A mtamma.	E7 0400D 40 400 00				

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



6.13 Radiated emissions which fall in the restricted bands

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 D02 II G
Test Mode (Pre-Scan)	ТХ
Test Mode (Final Test)	ТХ

6.13.1 Limit

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

Blue Asia of Technical Services (Shenzhen) Co., Ltd.



Report No.: BLA-EMC-202502-A3803

Page 42 of 108

6.13.2 Test setup

Below 1GHz:



Blue Asia of technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



6.13.3 Procedure

- a) For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h) Test the EUT in the lowest channel, the middle channel, the highest channel.
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j) Repeat above procedures until all frequencies measured was complete.

Note 1: Level (dBuV) = Reading (dBuV) + Factor (dB/m)

Note 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

Blue Asia of Technical Services (Shenzhen) Co., Ltd.



Report No.: BLA-EMC-202502-A3803

Page 44 of 108

6.13.4 Test data



*:Maximum	data	x:Over limit	!:over margin			(Reference Only
Receiver:	ESF	_1		Spectrum Analyzer:	FSP40	
Antonno	F7 (4000 40 400 000				

74.00 -25.10

74.00 -24.30

peak

peak

Test Result: Pass

3

4

*

5725.000

5850.000

42.54

42.94

6.36

6.76

48.90

49.70

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481



Page 45 of 108



No.	M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	44.40	5.21	49.61	74.00	-24.39	peak	
2		5460.000	43.40	5.91	49.31	74.00	-24.69	peak	
3		5725.000	42.91	6.36	49.27	74.00	-24.73	peak	
4	*	5850.000	43.07	6.76	49.83	74.00	-24.17	peak	

	*:Maximum c	lata	x:Over limit	!:over margin			(Reference Only
	Receiver:	ESR	_1		Spectrum Analyzer:	FSP40	
	A mtamma.	F7 0	1000 10 100 0004				
Test Res	ult: Pass						

Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 46 of 108



No.	М	k. Fre	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MH	z	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	5850.0	00	42.60	6.76	49.36	74.00	-24.64	peak		



Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



Page 47 of 108



No.	M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	5850.000	43.11	6.76	49.87	74.00	-24.13	peak		



Blue Asia of Technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481 Email: marketing@cblueasia.com www.cblueasia.com



6.14 DFS: Channel Closing Transmission Time

Test Standard	47 CFR Part 15, Subpart E 15.407(h)(2)
Test Method	KDB 905462 D02 Section 7.8.3
Test Mode (Pre-Scan)	ТХ
Test Mode (Final Test)	ТХ

6.14.1 Limit

200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period (should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. It is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions)

6.14.2 Test setup



6.14.3 Procedure

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

Blue Asia of Technical Services (Shenzhen) Co., Ltd.



Page 49 of 108

- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file i[°]iperf.exei± specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

6.14.4 Test data

N/A

Blue Asia of Technical Services (Shenzhen) Co., Ltd.



Page 50 of 108

6.15DFS: Non-occupancy period

Test Standard	47 CFR Part 15, Subpart E 15.407(h)(2)
Test Method	KDB 905462 D02 Section 7.8.3
Test Mode (Pre-Scan)	ТХ
Test Mode (Final Test)	ТХ

6.15.1 Limit

Minimum 30 minutes

6.15.2 Test setup



6.15.3 Procedure

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file i°iperf.exei± specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

Blue Asia of Technical Services (Shenzhen) Co., Ltd.



Page 51 of 108

- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

6.15.4 Test data

N/A

Blue Asia of Technical Services (Shenzhen) Co., Ltd.



Page 52 of 108

7 Appendix A

7.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	GFSK	5745	Ant1	100	0
NVNT	GFSK	5785	Ant1	100	0
NVNT	GFSK	5825	Ant1	100	0
NVNT	GFSK	5745	Ant2	100	0
NVNT	GFSK	5785	Ant2	100	0
NVNT	GFSK	5825	Ant2	100	0
NVNT	GFSK	5745	Ant1	100	0
NVNT	GFSK	5785	Ant1	100	0
NVNT	GFSK	5825	Ant1	100	0
NVNT	GFSK	5745	Ant2	100	0
NVNT	GFSK	5785	Ant2	100	0
NVNT	GFSK	5825	Ant2	100	0

Blue Asia of Technical Services (Shenzhen) Co., Ltd.



Page 53 of 108

RT	RF 50 Ω AC	S	ENSE:INT	ALIGN AUTO		04:43:14 PM Feb 25, 2025
enter F	req 5.74500000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Lo	g-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWWW DET P N N N N
dB/div	Ref Offset 2.98 dB Ref 20.00 dBm					
0.0						
.0						2
0						
0						
0						
0						
.0						
nter 5. s BW 1	.745000000 GHz 1.0 MHz	#VBV	V 3.0 MHz		Sweep	Span 0 Hz 100.0 ms (10001 pts
				STATUS	•	

Duty Cycle NVNT GFSK 5745MHz Ant1

Duty Cycle NVNT GFSK 5785MHz Ant1

Agilent Spect	rum Analyzer - Swept SA								
Center F	RF 50 Ω AC	0 GHz		ENSE:INT	AL	IGNAUTO Avg Type: I	Log-Pwr	04:38:13 TI	3 PM Feb 25, 2025 RACE 1 2 3 4 5 6
Contor I	100 0.10000000	PN IFG	10: Fast ↔ Gain:Low	Trig: Free F #Atten: 30 d	lun B	-	-		DET P N N N N N
10 dB/div	Ref Offset 3.16 dB Ref 20.00 dBm								
10.0									
0.00									
-10.0									
-20.0									
-30.0									
-40.0						2			
-50.0									
-60.0									
-70.0									
Center 5. Res BW	785000000 GHz 1.0 MHz		#VB\	W 3.0 MHz			Sweep	100.0 ms	Span 0 Hz (10001 pts)
MSG						STATUS			

Blue Asia of Technical Services (Shenzhen) Co., Ltd.



Page 54 of 108



Duty Cycle NVNT GFSK 5825MHz Ant1

Duty Cycle NVNT GFSK 5745MHz Ant2

Agilent Spec	trum Analyzer - Swept SA					
LXIR T	RF 50 Ω AC		SENSE:INT	ALIGNAUTO		05:04:38 PM Feb 25, 20
Center I	Freq 5.745000000	GHz PNO: Fast ↔ IFGain:Low	- Trig: Free Run #Atten: 30 dB	Avg Type: L	og-Pwr	TYPE WWWWWW DET P N N N
10 dB/div	Ref Offset 2.69 dB Ref 20.00 dBm					
10.0				an and decomposition of the local of the local decision of the loc		an an fair an an Anna a
0.00						
-10.0						
-20.0						
-30.0						
-40.0						
-50.0						
-60.0						
-70.0						
Center 5 Res BW	.745000000 GHz 1.0 MHz	#VE	SW 3.0 MHz		Sweep	Span 0 F 100.0 ms (10001 pt
MSG				STATUS		

Blue Asia of technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481



Page 55 of 108



Duty Cycle NVNT GFSK 5785MHz Ant2

Duty Cycle NVNT GFSK 5825MHz Ant2

Agilent Spectrum Analyzer - Swept SA			
UX/RT RF 50Ω AC	SENSE:INT	ALIGNAUTO	05:16:04 PM Feb 25, 2025
Center Freq 5.825000000 GHz	PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWWWW DET P N N N N
Ref Offset 3.14 dB 10 dB/div Ref 20.00 dBm			
0.00			
-10.0			
-20.0			
-30.0			
-40.0			
-50.0			
-60.0			
-70.0			
Center 5.825000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep	Span 0 Hz 100.0 ms (10001 pts
MSG		STATUS	

Blue Asia of technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481



Page 56 of 108



Duty Cycle NVNT GFSK 5745MHz Ant1

Duty Cycle NVNT GFSK 5785MHz Ant1

Agilent Spectrum Analyze	er - Swept SA						
LXI RT RF	50Ω AC		SENSE:INT	ALIGNAUTO	Dented under an an andre	04:52:15 PM Feb 25,	, 2025
Center Freq 5.7	85000000 GHz	PNO: Fast +++ IFGain:Low	. Trig: Free Run #Atten: 30 dB	Avg Type:	Log-Pwr	TYPE WWW DET P N N	1456
Ref Offs 10 dB/div Ref 20	set 3.16 dB .00 dBm						
10.0	ىكەرلەر بىلەت يۇلغا دىلەر ئىلۇ بىر ¹ ە دەكەر يەركەي <mark>بىلەر (دەسىل بىر</mark> دە) بەر بەر دۆرىي مەسىلىن						
0.00							
-10.0							
-20.0						с <u> </u>	
-30.0							
-40.0							
-50.0							
-60.0							
-70.0							
Center 5.7850000 Res BW 1.0 MHz	000 GHz	#VB	W 3.0 MHz		Sweep	Span (100.0 ms (10001	0 Hz pts
MSG				STATUS			

Blue Asia of technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481



Page 57 of 108



Duty Cycle NVNT GFSK 5825MHz Ant1

Duty Cycle NVNT GFSK 5745MHz Ant2

Agilent Spectrum Analyzer - Swept SA			
K R T RF 50Ω AC	SENSE:INT	ALIGNAUTO	05:19:39 PM Feb 25, 2025
Center Freq 5.745000000 C	FHZ PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr	DET P N N N N
Ref Offset 2.69 dB 10 dB/div Ref 20.00 dBm			
10.0			
10.0			
	and the new participation of the new participa	allevice & Accord (Allevice) (Allevice (Allevice)) allevice (Allevice (Allevice (Allevice)))	an a
-10.0			
-20.0			<u>.</u>
-30.0			
-40.0			
-50.0			
-60.0			
-70.0			
Center 5.745000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep	Span 0 Hz 100.0 ms (10001 pts
MSG		STATUS	

Blue Asia of technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481



Page 58 of 108



Duty Cycle NVNT GFSK 5785MHz Ant2

Duty Cycle NVNT GFSK 5825MHz Ant2

10 dB/div Log 10.0 -10.0	RF 50 @ AC eq 5.82500000 Ref Offset 3.14 dB Ref 20.00 dBm	OO GHz	PNO: Fast FGain:Low	SENSE:INT . Trig: Free R #Atten: 30 d	un B	GNAUTO Avg Type: L	og-Pwr	05:23:58 TF	8 PMFeb 25, 2025 RACE 1 2 3 4 5 6 TYPE WWWWWWW DET P N N N N N
10 dB/div Log 10.0	eq 5.82500000 Ref Offset 3.14 dB Ref 20.00 dBm	JO GHZ	PNO: Fast ++	. Trig: Free R #Atten: 30 d	un B	Avg Type: L	og-Pwr	TF	TYPE WWWWWWW DET P NNNN
10 dB/div 10.0	Ref Offset 3.14 dB Ref 20.00 dBm	3							
10.0 0.00 -10.0						(0)			
-10.0									
-10.0	and built of the second se								
-10.0		n an in the second s							
-20.0								-	
-30.0									
-40.0						2			
-50.0									
-60.0								-	
-70.0									
Center 5.82 Res BW 1.0	25000000 GHz		#\/P	W 2 0 ML-				-	Span 0 Hz
MSG	0 MHz		#VD	WV J.U WIHZ			Sweep	100.0 ms	(10001 pts)

Blue Asia of technical Services (Shenzhen) Co., Ltd. Tel: +86-755-23059481



Page 59 of 108

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	GFSK	5745	Ant1	12.178	30	Pass
NVNT	GFSK	5785	Ant1	13.267	30	Pass
NVNT	GFSK	5825	Ant1	13.502	30	Pass
NVNT	GFSK	5745	Ant2	12.699	30	Pass
NVNT	GFSK	5785	Ant2	12.915	30	Pass
NVNT	GFSK	5825	Ant2	13.762	30	Pass
NVNT	GFSK	5745	Ant1	12.31	30	Pass
NVNT	GFSK	5785	Ant1	12.947	30	Pass
NVNT	GFSK	5825	Ant1	13.574	30	Pass
NVNT	GFSK	5745	Ant2	12.429	30	Pass
NVNT	GFSK	5785	Ant2	12.95	30	Pass
NVNT	GFSK	5825	Ant2	13.745	30	Pass

7.2 Maximum Conducted Output Power

Blue Asia of technical Services (Shenzhen) Co., Ltd.



Page 60 of 108



Power NVNT GFSK 5745MHz Ant1

Power NVNT GFSK 5785MHz Ant1



Blue Asia of Technical Services (Shenzhen) Co., Ltd.

Tel: +86-755-23059481 Email: <u>marketing@cblueasia.com</u> www.cblueasia.com